



LumCAT:

Luminaire: TY-BUS-60-DW (Type 3)

Report No:

Voltage(V): 219.9700

Test No:

Current(A): 0.2630

LampCAT:

Power (W): 56.7500

Lamp flux(lm)

PF: 0.9806

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 7099.96

Lumens(lm)/Power(W): 125.11

Central intensity(cd): 1649.025

Maximum intensity(cd): 3244.500

Angle of maximum intensity: $C=22.5$ $\gamma=65.0$

Beam Angle(50%Imax): [C0/180]Total=148.1

[C90/270]Total=105.0

Field angle(10%Imax): [C0/180]Total=158.0

[C90/270]Total=142.6

Maximum s/h(1/2): C0_180=1.75 C90_270=2.08

Maximum s/h(1/4): C0_180=2.01 C90_270=1.85

Up flux rate of LUM(%): 0.36%

Down flux rate of LUM(%): 99.64%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 77.613%

Zonal flux distribution table

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$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
0.0	1649.025	.000	.000	.000%	.000%	.000%
1.0	1652.906	1.580	1.580	.022%	.022%	.022%
2.0	1653.862	4.746	6.326	.067%	.089%	.089%
3.0	1655.100	7.914	14.240	.111%	.201%	.201%
4.0	1658.011	11.090	25.330	.156%	.357%	.357%
5.0	1660.261	14.275	39.605	.201%	.558%	.558%
6.0	1663.988	17.470	57.075	.246%	.804%	.804%
7.0	1666.969	20.675	77.750	.291%	1.095%	1.095%
8.0	1670.681	23.887	101.637	.336%	1.432%	1.432%
9.0	1675.828	27.122	128.759	.382%	1.814%	1.814%
10.0	1680.651	30.375	159.134	.428%	2.241%	2.241%
11.0	1685.517	33.635	192.769	.474%	2.715%	2.715%
12.0	1690.875	36.909	229.677	.520%	3.235%	3.235%
13.0	1696.852	40.204	269.881	.566%	3.801%	3.801%
14.0	1704.234	43.534	313.415	.613%	4.414%	4.414%
15.0	1710.816	46.883	360.298	.660%	5.075%	5.075%
16.0	1719.295	50.261	410.559	.708%	5.783%	5.783%
17.0	1727.353	53.674	464.232	.756%	6.539%	6.539%
18.0	1735.973	57.103	521.335	.804%	7.343%	7.343%
19.0	1743.356	60.533	581.868	.853%	8.195%	8.195%
20.0	1751.414	63.964	645.832	.901%	9.096%	9.096%
21.0	1758.783	67.403	713.235	.949%	10.046%	10.046%
22.0	1766.644	70.845	784.080	.998%	11.043%	11.043%
23.0	1774.026	74.293	858.373	1.046%	12.090%	12.090%
24.0	1781.410	77.735	936.108	1.095%	13.185%	13.185%
25.0	1790.564	81.219	1017.326	1.144%	14.329%	14.329%
26.0	1798.524	84.721	1102.047	1.193%	15.522%	15.522%
27.0	1808.184	88.239	1190.286	1.243%	16.765%	16.765%
28.0	1815.497	91.744	1282.030	1.292%	18.057%	18.057%
29.0	1822.767	95.187	1377.217	1.341%	19.398%	19.398%
30.0	1831.064	98.653	1475.870	1.389%	20.787%	20.787%
31.0	1839.558	102.148	1578.018	1.439%	22.226%	22.226%
32.0	1847.728	105.636	1683.654	1.488%	23.714%	23.714%
33.0	1854.872	109.080	1792.734	1.536%	25.250%	25.250%
34.0	1861.383	112.465	1905.199	1.584%	26.834%	26.834%
35.0	1864.420	115.710	2020.909	1.630%	28.464%	28.464%
36.0	1865.559	118.763	2139.672	1.673%	30.136%	30.136%
37.0	1865.489	121.686	2261.358	1.714%	31.850%	31.850%

Equipment:
Temperature($^{\circ}\text{C}$): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	1866.122	124.556	2385.914	1.754%	33.605%	33.605%
39.0	1865.756	127.379	2513.293	1.794%	35.399%	35.399%
40.0	1865.644	130.138	2643.431	1.833%	37.232%	37.232%
41.0	1865.630	132.869	2776.300	1.871%	39.103%	39.103%
42.0	1863.689	135.493	2911.793	1.908%	41.011%	41.011%
43.0	1861.636	137.997	3049.790	1.944%	42.955%	42.955%
44.0	1857.516	140.371	3190.161	1.977%	44.932%	44.932%
45.0	1850.330	142.497	3332.658	2.007%	46.939%	46.939%
46.0	1839.769	144.312	3476.969	2.033%	48.972%	48.972%
47.0	1828.097	145.881	3622.850	2.055%	51.026%	51.026%
48.0	1815.638	147.299	3770.149	2.075%	53.101%	53.101%
49.0	1799.255	148.448	3918.596	2.091%	55.192%	55.192%
50.0	1779.216	149.199	4067.795	2.101%	57.293%	57.293%
51.0	1755.844	149.563	4217.358	2.107%	59.400%	59.400%
52.0	1732.036	149.668	4367.025	2.108%	61.508%	61.508%
53.0	1703.630	149.451	4516.477	2.105%	63.613%	63.613%
54.0	1666.589	148.545	4665.021	2.092%	65.705%	65.705%
55.0	1628.592	147.091	4812.113	2.072%	67.777%	67.777%
56.0	1588.303	145.363	4957.475	2.047%	69.824%	69.824%
57.0	1540.125	143.039	5100.514	2.015%	71.839%	71.839%
58.0	1486.772	139.974	5240.488	1.971%	73.810%	73.810%
59.0	1438.453	136.756	5377.245	1.926%	75.736%	75.736%
60.0	1382.245	133.260	5510.504	1.877%	77.613%	77.613%
61.0	1328.513	129.363	5639.867	1.822%	79.435%	79.435%
62.0	1272.038	125.310	5765.177	1.765%	81.200%	81.200%
63.0	1210.964	120.761	5885.938	1.701%	82.901%	82.901%
64.0	1155.459	116.120	6002.058	1.635%	84.537%	84.537%
65.0	1101.094	111.675	6113.733	1.573%	86.109%	86.109%
66.0	1044.394	107.046	6220.779	1.508%	87.617%	87.617%
67.0	985.500	102.069	6322.848	1.438%	89.055%	89.055%
68.0	914.428	96.244	6419.092	1.356%	90.410%	90.410%
69.0	842.105	89.610	6508.702	1.262%	91.672%	91.672%
70.0	772.706	82.934	6591.635	1.168%	92.840%	92.840%
71.0	696.600	75.942	6667.577	1.070%	93.910%	93.910%
72.0	620.522	68.486	6736.063	.965%	94.875%	94.875%
73.0	538.327	60.599	6796.663	.854%	95.728%	95.728%
74.0	457.706	52.364	6849.026	.738%	96.466%	96.466%
75.0	372.094	43.844	6892.870	.618%	97.083%	97.083%

Zonal flux distribution table

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$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	300.628	35.711	6928.581	.503%	97.586%	97.586%
77.0	235.856	28.603	6957.184	.403%	97.989%	97.989%
78.0	185.920	22.578	6979.762	.318%	98.307%	98.307%
79.0	149.780	18.037	6997.799	.254%	98.561%	98.561%
80.0	119.166	14.499	7012.299	.204%	98.765%	98.765%
81.0	99.548	11.828	7024.126	.167%	98.932%	98.932%
82.0	88.763	10.212	7034.338	.144%	99.076%	99.076%
83.0	75.656	8.938	7043.276	.126%	99.202%	99.202%
84.0	61.988	7.499	7050.775	.106%	99.307%	99.307%
85.0	51.272	6.181	7056.957	.087%	99.394%	99.394%
86.0	40.978	5.043	7061.999	.071%	99.465%	99.465%
87.0	33.216	4.060	7066.060	.057%	99.523%	99.523%
88.0	26.241	3.257	7069.316	.046%	99.568%	99.568%
89.0	21.347	2.608	7071.925	.037%	99.605%	99.605%
90.0	18.225	2.170	7074.094	.031%	99.636%	99.636%
91.0	15.919	1.872	7075.966	.026%	99.662%	99.662%
92.0	14.034	1.642	7077.608	.023%	99.685%	99.685%
93.0	11.475	1.397	7079.005	.020%	99.705%	99.705%
94.0	9.281	1.136	7080.141	.016%	99.721%	99.721%
95.0	8.100	.950	7081.091	.013%	99.734%	99.734%
96.0	7.116	.830	7081.922	.012%	99.746%	99.746%
97.0	6.356	.734	7082.656	.010%	99.756%	99.756%
98.0	5.513	.645	7083.301	.009%	99.765%	99.765%
99.0	4.922	.566	7083.867	.008%	99.773%	99.773%
100.0	4.388	.503	7084.370	.007%	99.780%	99.780%
101.0	4.050	.455	7084.825	.006%	99.787%	99.787%
102.0	3.684	.416	7085.241	.006%	99.793%	99.793%
103.0	3.403	.379	7085.620	.005%	99.798%	99.798%
104.0	3.220	.353	7085.973	.005%	99.803%	99.803%
105.0	2.953	.328	7086.301	.005%	99.808%	99.808%
106.0	2.813	.305	7086.605	.004%	99.812%	99.812%
107.0	2.588	.284	7086.889	.004%	99.816%	99.816%
108.0	2.447	.263	7087.152	.004%	99.820%	99.820%
109.0	2.433	.254	7087.406	.004%	99.823%	99.823%
110.0	2.363	.248	7087.654	.003%	99.827%	99.827%
111.0	2.377	.243	7087.897	.003%	99.830%	99.830%
112.0	2.334	.240	7088.138	.003%	99.834%	99.834%
113.0	2.363	.238	7088.375	.003%	99.837%	99.837%

Equipment:
Temperature($^{\circ}\text{C}$): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	2.306	.235	7088.610	.003%	99.840%	99.840%
115.0	2.348	.232	7088.843	.003%	99.843%	99.843%
116.0	2.363	.233	7089.076	.003%	99.847%	99.847%
117.0	2.461	.237	7089.313	.003%	99.850%	99.850%
118.0	2.517	.242	7089.555	.003%	99.853%	99.853%
119.0	2.517	.243	7089.797	.003%	99.857%	99.857%
120.0	2.630	.246	7090.043	.003%	99.860%	99.860%
121.0	2.658	.250	7090.293	.004%	99.864%	99.864%
122.0	2.700	.250	7090.543	.004%	99.867%	99.867%
123.0	2.798	.254	7090.798	.004%	99.871%	99.871%
124.0	2.855	.258	7091.056	.004%	99.875%	99.875%
125.0	2.827	.257	7091.313	.004%	99.878%	99.878%
126.0	2.939	.257	7091.570	.004%	99.882%	99.882%
127.0	2.995	.262	7091.832	.004%	99.886%	99.886%
128.0	3.066	.264	7092.096	.004%	99.889%	99.889%
129.0	3.150	.267	7092.362	.004%	99.893%	99.893%
130.0	3.192	.268	7092.631	.004%	99.897%	99.897%
131.0	3.164	.265	7092.896	.004%	99.901%	99.901%
132.0	3.263	.264	7093.160	.004%	99.904%	99.904%
133.0	3.291	.265	7093.425	.004%	99.908%	99.908%
134.0	3.291	.262	7093.687	.004%	99.912%	99.912%
135.0	3.347	.260	7093.946	.004%	99.915%	99.915%
136.0	3.263	.254	7094.200	.004%	99.919%	99.919%
137.0	3.361	.250	7094.450	.004%	99.922%	99.922%
138.0	3.319	.247	7094.698	.003%	99.926%	99.926%
139.0	3.389	.244	7094.941	.003%	99.929%	99.929%
140.0	3.361	.240	7095.182	.003%	99.933%	99.933%
141.0	3.291	.232	7095.414	.003%	99.936%	99.936%
142.0	3.347	.227	7095.640	.003%	99.939%	99.939%
143.0	3.319	.222	7095.863	.003%	99.942%	99.942%
144.0	3.375	.218	7096.081	.003%	99.945%	99.945%
145.0	3.319	.213	7096.294	.003%	99.948%	99.948%
146.0	3.389	.208	7096.502	.003%	99.951%	99.951%
147.0	3.375	.205	7096.707	.003%	99.954%	99.954%
148.0	3.347	.198	7096.905	.003%	99.957%	99.957%
149.0	3.389	.193	7097.098	.003%	99.960%	99.960%
150.0	3.389	.189	7097.287	.003%	99.962%	99.962%
151.0	3.319	.181	7097.468	.003%	99.965%	99.965%

Zonal flux distribution table

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$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	3.347	.174	7097.642	.002%	99.967%	99.967%
153.0	3.319	.169	7097.811	.002%	99.970%	99.970%
154.0	3.291	.162	7097.973	.002%	99.972%	99.972%
155.0	3.291	.155	7098.128	.002%	99.974%	99.974%
156.0	3.263	.149	7098.277	.002%	99.976%	99.976%
157.0	3.206	.141	7098.418	.002%	99.978%	99.978%
158.0	3.192	.134	7098.553	.002%	99.980%	99.980%
159.0	3.206	.129	7098.681	.002%	99.982%	99.982%
160.0	3.178	.123	7098.804	.002%	99.984%	99.984%
161.0	3.164	.116	7098.920	.002%	99.985%	99.985%
162.0	3.192	.111	7099.030	.002%	99.987%	99.987%
163.0	3.108	.104	7099.134	.001%	99.988%	99.988%
164.0	3.136	.097	7099.231	.001%	99.990%	99.990%
165.0	3.094	.091	7099.323	.001%	99.991%	99.991%
166.0	3.038	.084	7099.407	.001%	99.992%	99.992%
167.0	3.023	.078	7099.484	.001%	99.993%	99.993%
168.0	3.038	.072	7099.556	.001%	99.994%	99.994%
169.0	2.981	.066	7099.622	.001%	99.995%	99.995%
170.0	3.009	.060	7099.682	.001%	99.996%	99.996%
171.0	2.953	.054	7099.736	.001%	99.997%	99.997%
172.0	2.911	.048	7099.784	.001%	99.998%	99.998%
173.0	2.995	.042	7099.826	.001%	99.998%	99.998%
174.0	2.911	.037	7099.863	.001%	99.999%	99.999%
175.0	2.883	.030	7099.893	.000%	99.999%	99.999%
176.0	2.939	.025	7099.918	.000%	99.999%	99.999%
177.0	3.009	.020	7099.938	.000%	100.000%	100.000%
178.0	3.052	.014	7099.953	.000%	100.000%	100.000%
179.0	2.953	.009	7099.961	.000%	100.000%	100.000%
180.0	2.925	.003	7099.964	.000%	100.000%	100.000%

Equipment:
Temperature($^{\circ}\text{C}$): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

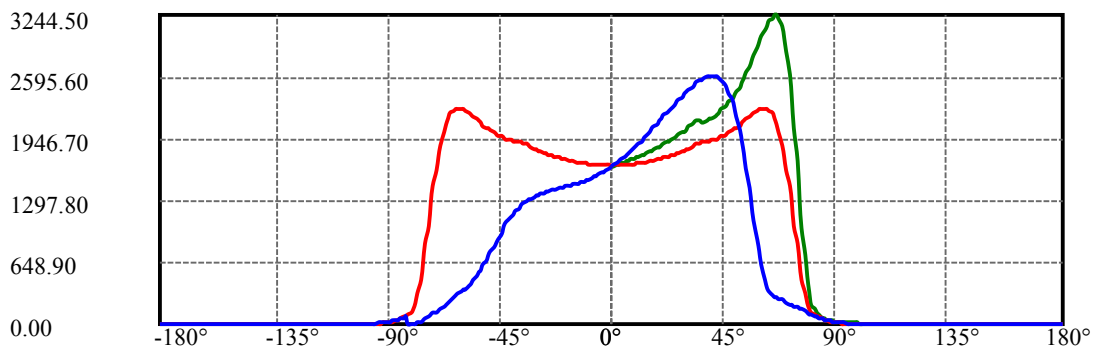
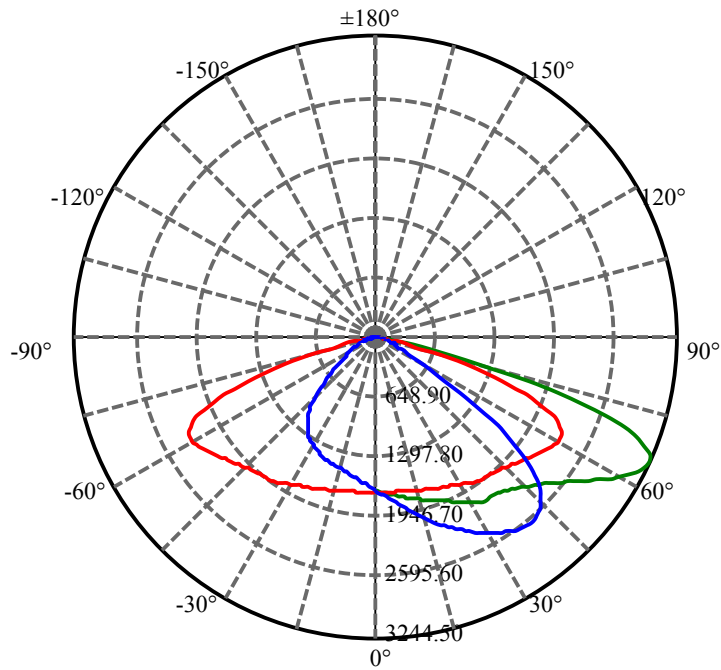
Operator: Dick
Distance(m): 14.38

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	1475.87	20.79%
0-40	2643.43	37.23%
0-60	5510.50	77.61%
0-90	7074.09	99.64%
0-120	7090.04	99.86%
0-180	7099.96	100.00%
60-90	1696.85	23.90%
90-120	18.12	0.26%
90-130	20.71	0.29%
90-150	25.36	0.36%
90-180	28.04	0.39%
0-61.32	5679.97	80.00%

ZONAL LUMEN SUMMARY

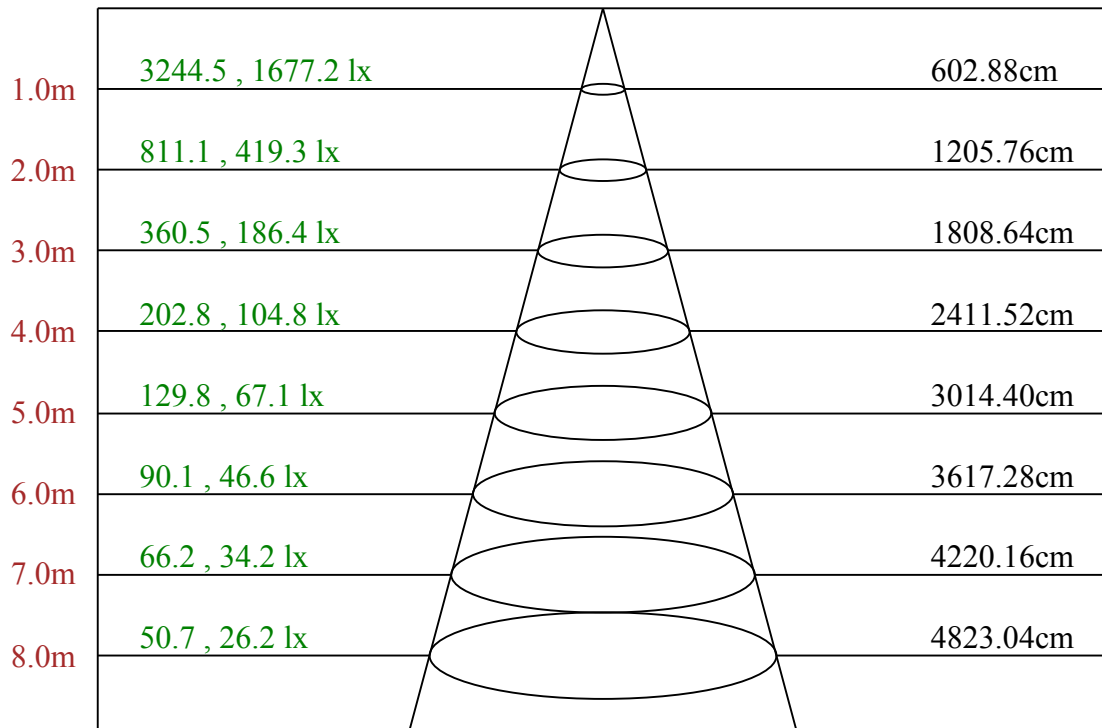
0-10	159.13
10-20	486.70
20-30	830.04
30-40	1167.56
40-50	1424.36
50-60	1442.71
60-70	1081.13
70-80	420.66
80-90	61.80
90-100	10.28
100-110	3.28
110-120	2.39
120-130	2.59
130-140	2.55
140-150	2.11
150-160	1.52
160-170	0.88
170-180	0.28



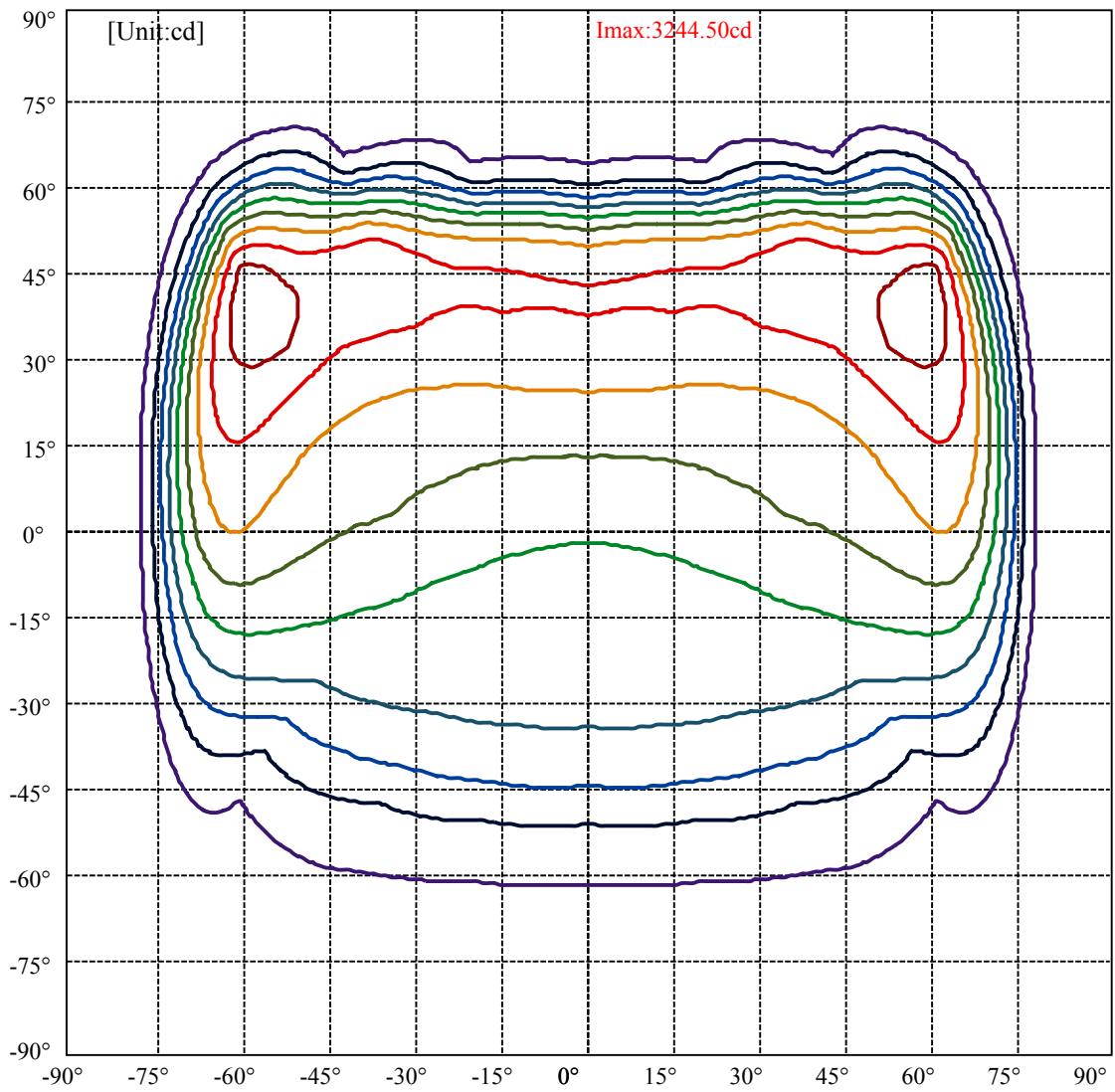
C22.5(Max): —
 C0/C180: —
 C90/C270: —

Field angle(10%Imax):C0/180Left:79.0 Right:79.0
 :C90/270Left:67.9 Right:74.6

Beam Angle(50%Imax):C0/180Left:74.1 Right:74.1
 :C90/270Left:46.6 Right:58.5



Max , Ave Beam angle of C22.5plane137.78

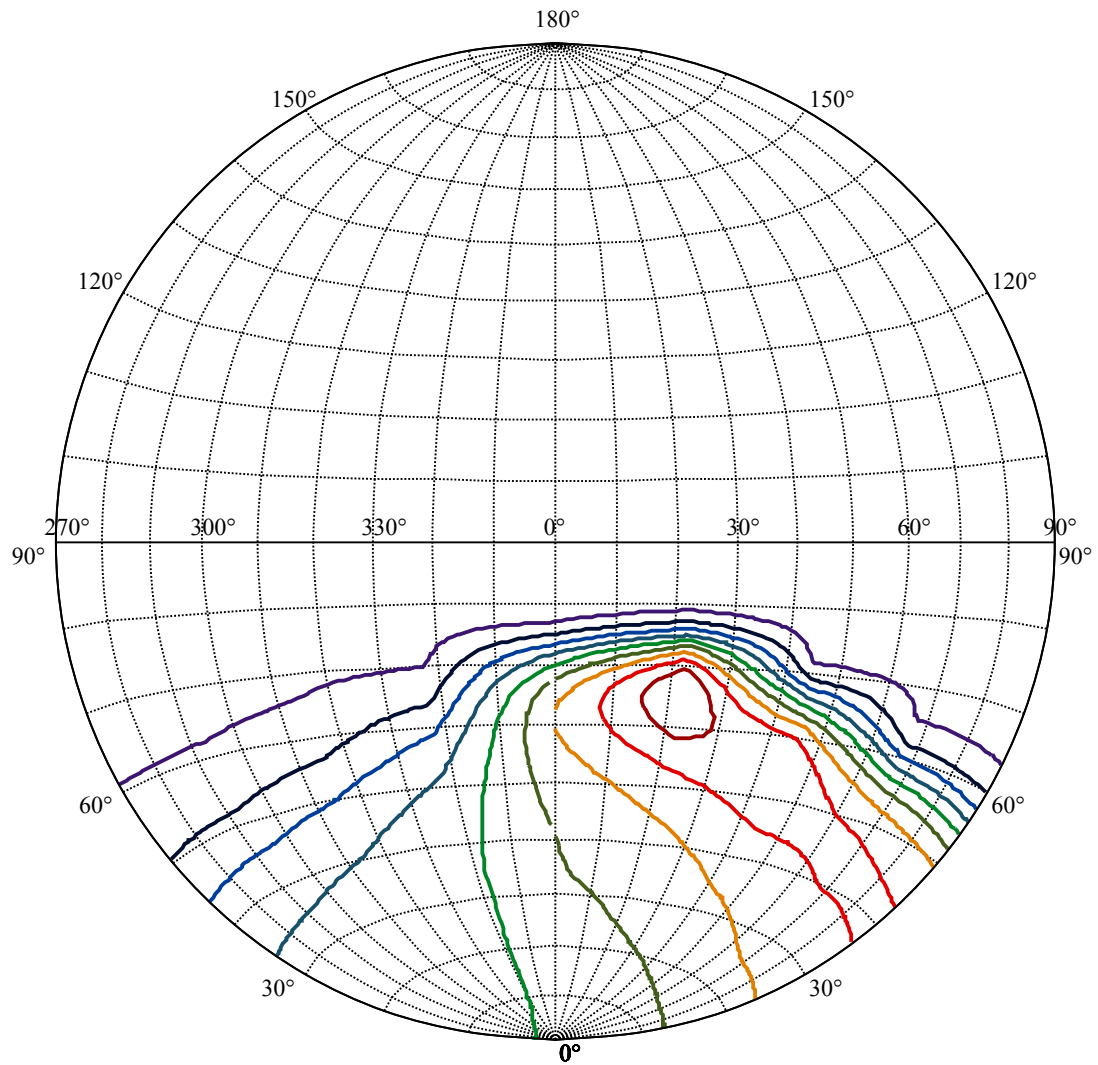


(10%I _{max}) 323.237	—
(20%I _{max}) 646.474	—
(30%I _{max}) 969.711	—
(40%I _{max}) 1292.95	—
(50%I _{max}) 1616.18	—
(60%I _{max}) 1939.42	—
(70%I _{max}) 2262.66	—
(80%I _{max}) 2585.9	—
(90%I _{max}) 2909.13	—

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38



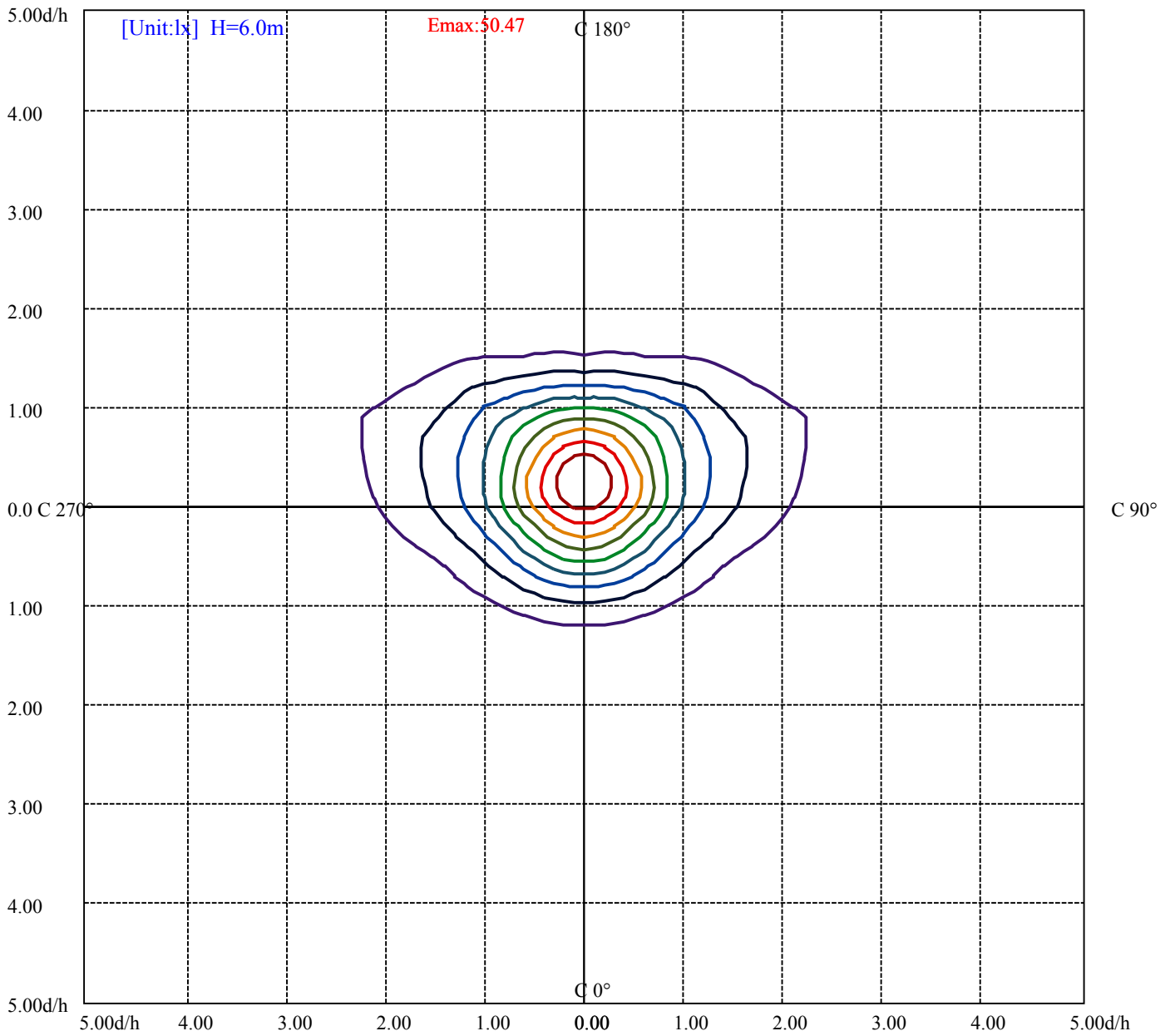
House

[Unit:cd]

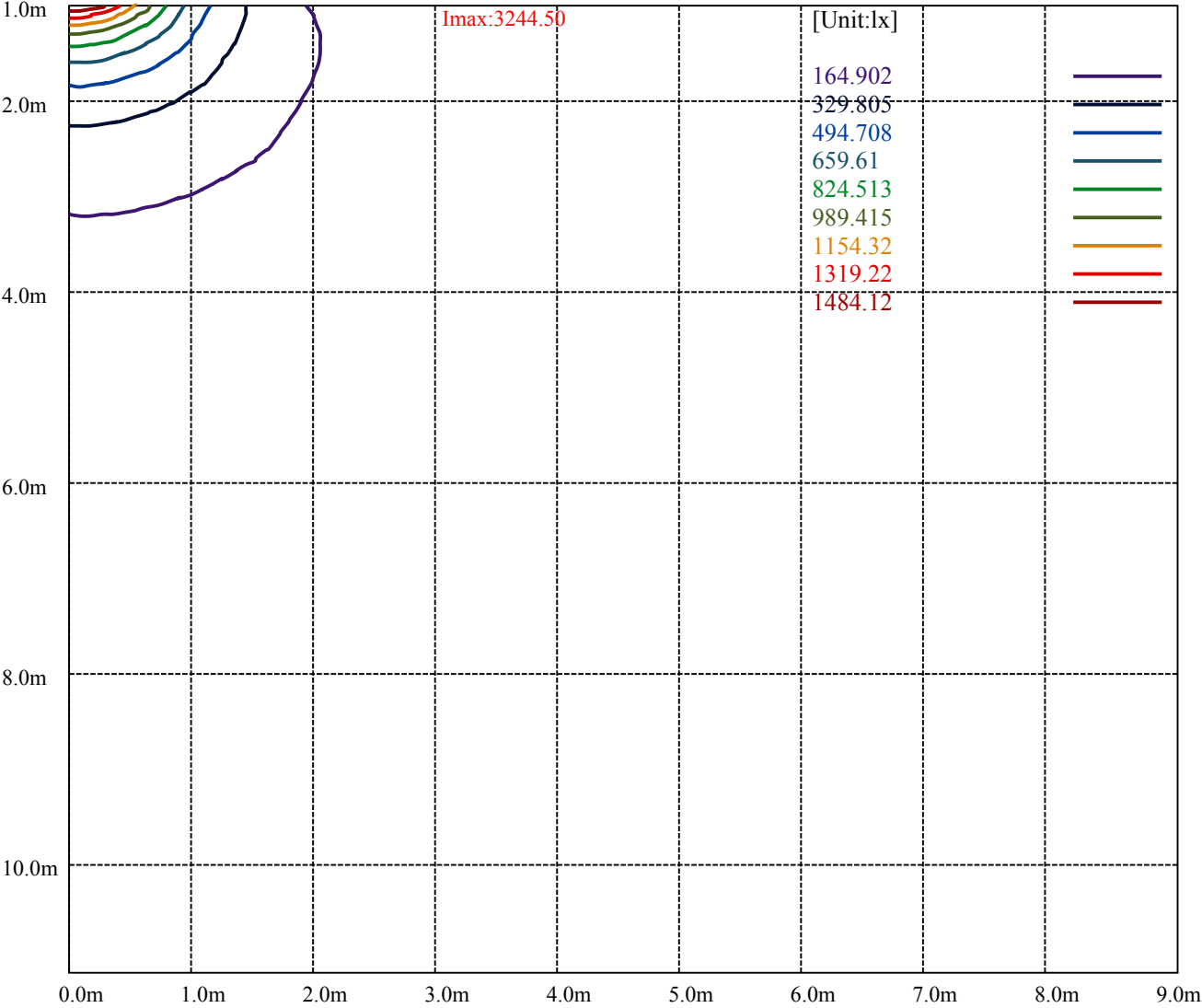
Road

Imax:3244.50

(10%Imax) 322.034	—
(20%Imax) 644.067	—
(30%Imax) 966.1	—
(40%Imax) 1288.13	—
(50%Imax) 1610.17	—
(60%Imax) 1932.2	—
(70%Imax) 2254.23	—
(80%Imax) 2576.27	—
(90%Imax) 2898.3	—



- (10%Emax) 5.047167
- (20%Emax) 10.09433
- (30%Emax) 15.1415
- (40%Emax) 20.18867
- (50%Emax) 25.23583
- (60%Emax) 30.28305
- (70%Emax) 35.33028
- (80%Emax) 40.37722
- (90%Emax) 45.42445



Luminance Table

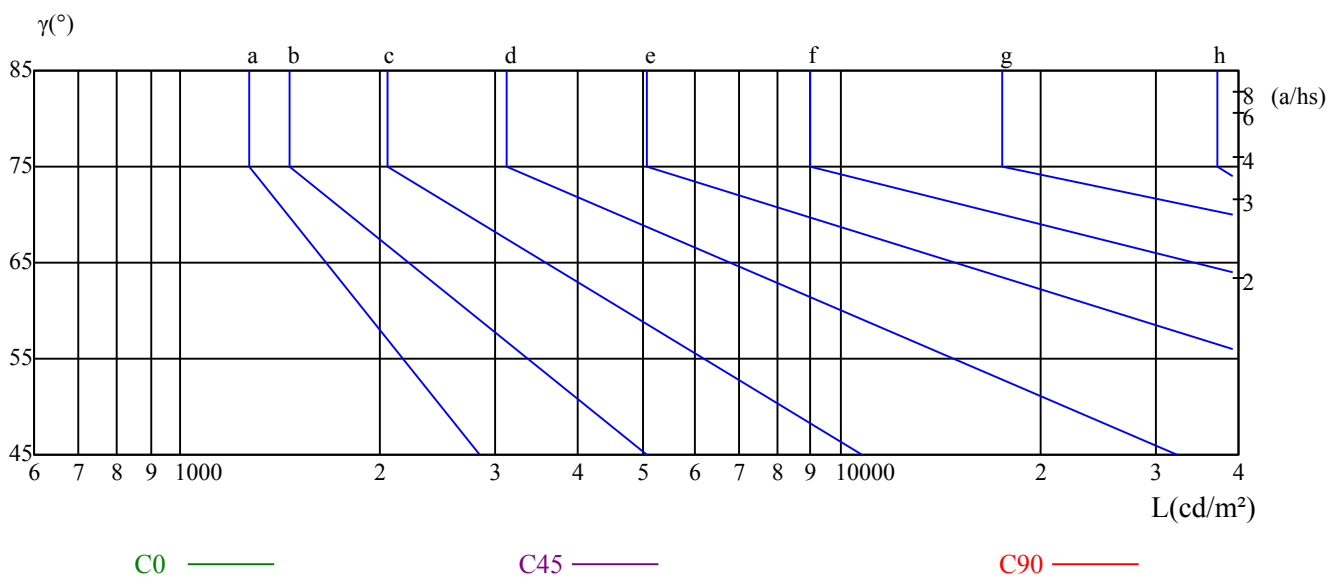
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

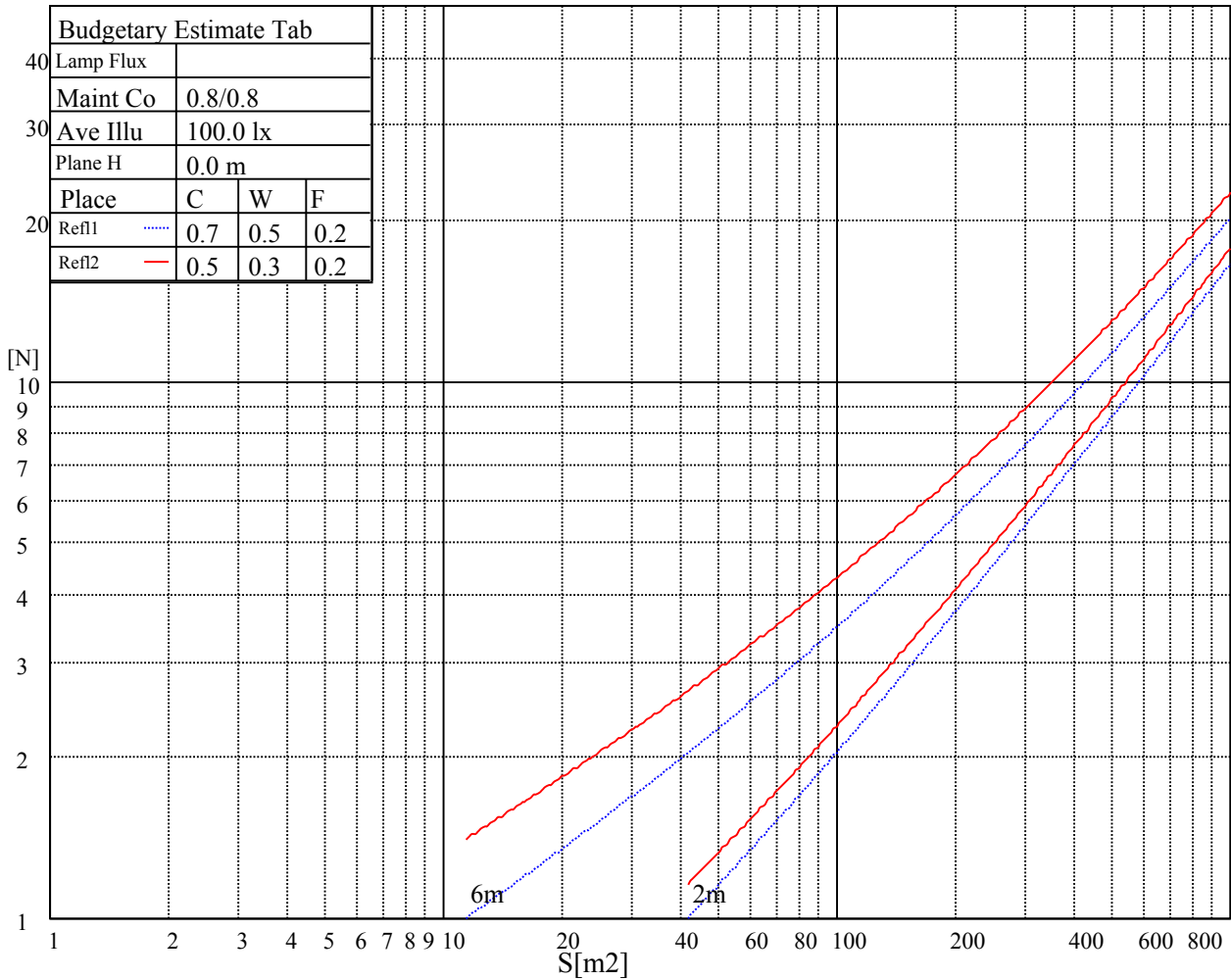
L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

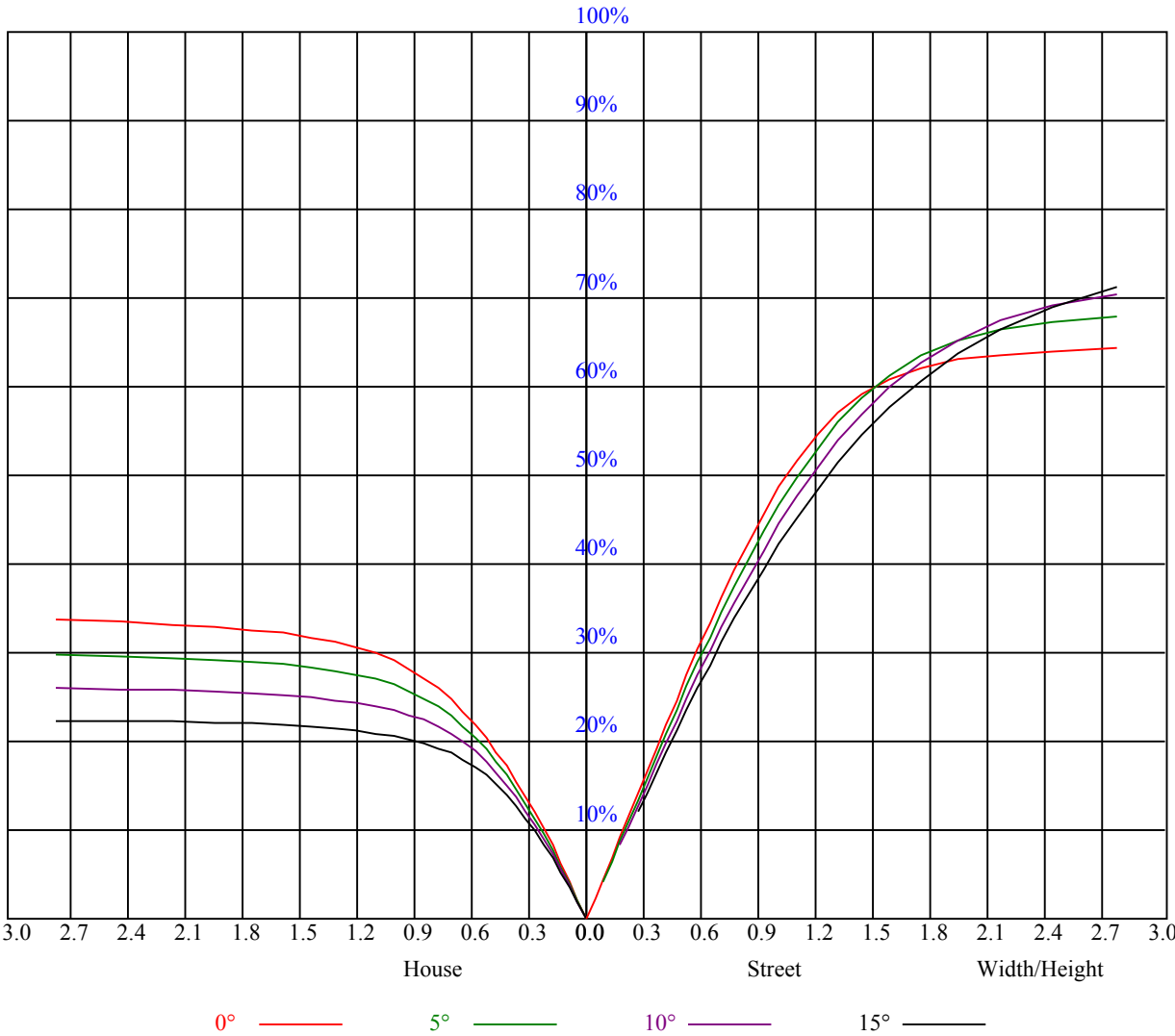
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve





RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOF=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.04	0.99	0.96	1.01	0.98	0.94	0.97	0.94	0.91	0.93	0.91	0.88	0.89	0.87	0.85	0.83
2	0.90	0.83	0.77	0.88	0.81	0.76	0.84	0.79	0.74	0.81	0.76	0.72	0.78	0.74	0.70	0.68
3	0.78	0.69	0.62	0.76	0.68	0.62	0.73	0.66	0.61	0.70	0.64	0.60	0.68	0.63	0.58	0.56
4	0.68	0.59	0.52	0.67	0.58	0.51	0.64	0.57	0.51	0.62	0.55	0.50	0.59	0.54	0.49	0.47
5	0.60	0.51	0.44	0.59	0.50	0.43	0.57	0.49	0.43	0.55	0.48	0.42	0.53	0.47	0.42	0.40
6	0.53	0.44	0.37	0.52	0.44	0.37	0.51	0.43	0.37	0.49	0.42	0.36	0.47	0.41	0.36	0.34
7	0.48	0.39	0.32	0.47	0.38	0.32	0.46	0.38	0.32	0.44	0.37	0.32	0.43	0.36	0.31	0.29
8	0.43	0.34	0.28	0.43	0.34	0.28	0.41	0.34	0.28	0.40	0.33	0.28	0.39	0.32	0.28	0.26
9	0.40	0.31	0.25	0.39	0.31	0.25	0.38	0.30	0.25	0.37	0.30	0.25	0.35	0.29	0.25	0.23
10	0.36	0.28	0.22	0.36	0.28	0.22	0.35	0.27	0.22	0.34	0.27	0.22	0.33	0.26	0.22	0.20



Intensity data(cd)

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C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	1649.03	1666.58	1667.03	1668.15	1670.40	1672.65	1673.78	1676.93	1678.95
22.5	1649.03	1657.35	1667.48	1675.80	1684.80	1692.45	1704.38	1712.70	1723.05
45.0	1649.03	1664.33	1674.68	1693.13	1710.45	1724.18	1738.80	1755.23	1770.75
67.5	1649.03	1664.78	1685.48	1706.18	1724.85	1741.28	1763.78	1785.60	1805.85
90.0	1649.03	1671.75	1689.30	1706.18	1728.00	1750.05	1775.48	1792.80	1814.18
112.5	1649.03	1664.78	1685.48	1706.18	1724.85	1741.28	1763.78	1785.60	1805.85
135.0	1649.03	1664.33	1674.68	1693.13	1710.45	1724.18	1738.80	1755.23	1770.75
157.5	1649.03	1657.35	1667.48	1675.80	1684.80	1692.45	1704.38	1712.70	1723.05
180.0	1649.03	1666.58	1667.03	1668.15	1670.40	1672.65	1673.78	1676.93	1678.95
202.5	1649.03	1644.53	1638.23	1632.15	1625.63	1621.58	1616.40	1611.00	1608.08
225.0	1649.03	1637.55	1626.98	1612.58	1603.80	1594.13	1585.35	1573.88	1565.78
247.5	1649.03	1635.08	1617.75	1601.33	1588.73	1575.90	1563.30	1551.60	1540.13
270.0	1649.03	1634.40	1617.30	1596.83	1582.88	1569.83	1556.78	1544.85	1531.58
292.5	1649.03	1635.08	1617.75	1601.33	1588.73	1575.90	1563.30	1551.60	1540.13
315.0	1649.03	1637.55	1626.98	1612.58	1603.80	1594.13	1585.35	1573.88	1565.78
337.5	1649.03	1644.53	1638.23	1632.15	1625.63	1621.58	1616.40	1611.00	1608.08
360.0	1649.03	1666.58	1667.03	1668.15	1670.40	1672.65	1673.78	1676.93	1678.95
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1681.43	1684.35	1686.83	1691.78	1694.25	1700.55	1707.08	1712.48	1718.33
22.5	1734.30	1746.90	1758.60	1768.73	1781.33	1792.58	1803.83	1816.88	1831.28
45.0	1791.00	1807.20	1821.83	1839.38	1857.38	1875.38	1892.03	1911.38	1932.30
67.5	1826.33	1848.38	1871.10	1891.58	1918.35	1944.90	1970.55	2001.83	2030.85
90.0	1844.10	1865.70	1892.25	1915.20	1946.03	1975.73	2008.80	2045.70	2077.20
112.5	1826.33	1848.38	1871.10	1891.58	1918.35	1944.90	1970.55	2001.83	2030.85
135.0	1791.00	1807.20	1821.83	1839.38	1857.38	1875.38	1892.03	1911.38	1932.30
157.5	1734.30	1746.90	1758.60	1768.73	1781.33	1792.58	1803.83	1816.88	1831.28
180.0	1681.43	1684.35	1686.83	1691.78	1694.25	1700.55	1707.08	1712.48	1718.33
202.5	1603.13	1603.13	1598.85	1595.48	1591.43	1589.40	1586.03	1584.45	1582.43
225.0	1559.03	1550.70	1543.50	1537.43	1529.78	1523.25	1515.38	1508.85	1501.65
247.5	1530.68	1518.53	1509.30	1501.20	1490.18	1485.23	1476.00	1467.45	1458.90
270.0	1517.40	1506.38	1496.03	1487.70	1478.25	1469.48	1462.50	1456.43	1449.00
292.5	1530.68	1518.53	1509.30	1501.20	1490.18	1485.23	1476.00	1467.45	1458.90
315.0	1559.03	1550.70	1543.50	1537.43	1529.78	1523.25	1515.38	1508.85	1501.65
337.5	1603.13	1603.13	1598.85	1595.48	1591.43	1589.40	1586.03	1584.45	1582.43
360.0	1681.43	1684.35	1686.83	1691.78	1694.25	1700.55	1707.08	1712.48	1718.33
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1725.30	1731.60	1738.80	1746.90	1755.00	1762.65	1768.28	1778.85	1786.28
22.5	1844.10	1858.50	1873.80	1887.30	1904.63	1918.35	1933.88	1949.85	1969.65
45.0	1953.45	1969.20	1989.45	2010.38	2032.20	2049.98	2067.98	2088.00	2107.35
67.5	2061.90	2088.68	2111.63	2137.28	2157.75	2183.40	2209.73	2236.73	2259.90
90.0	2103.75	2131.65	2162.70	2186.78	2211.08	2237.63	2262.60	2299.05	2328.98
112.5	2061.90	2088.68	2111.63	2137.28	2157.75	2183.40	2209.73	2236.73	2259.90
135.0	1953.45	1969.20	1989.45	2010.38	2032.20	2049.98	2067.98	2088.00	2107.35
157.5	1844.10	1858.50	1873.80	1887.30	1904.63	1918.35	1933.88	1949.85	1969.65
180.0	1725.30	1731.60	1738.80	1746.90	1755.00	1762.65	1768.28	1778.85	1786.28
202.5	1581.30	1580.63	1578.83	1576.13	1573.88	1572.08	1569.15	1566.68	1563.30
225.0	1495.13	1487.93	1482.30	1474.43	1467.90	1460.48	1455.53	1449.45	1442.93
247.5	1453.95	1446.53	1440.00	1432.35	1428.30	1422.23	1415.03	1408.50	1400.85
270.0	1441.58	1435.95	1430.33	1424.25	1415.93	1408.50	1400.85	1393.88	1386.90
292.5	1453.95	1446.53	1440.00	1432.35	1428.30	1422.23	1415.03	1408.50	1400.85
315.0	1495.13	1487.93	1482.30	1474.43	1467.90	1460.48	1455.53	1449.45	1442.93
337.5	1581.30	1580.63	1578.83	1576.13	1573.88	1572.08	1569.15	1566.68	1563.30
360.0	1725.30	1731.60	1738.80	1746.90	1755.00	1762.65	1768.28	1778.85	1786.28

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

Page: 19 Total:24

C/ γ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1795.73	1804.95	1815.98	1827.68	1842.75	1858.73	1880.33	1893.83	1903.28
22.5	1988.33	2006.33	2022.08	2042.33	2065.73	2087.55	2109.15	2127.15	2129.63
45.0	2131.43	2148.75	2166.30	2186.10	2207.25	2229.08	2247.30	2268.23	2287.35
67.5	2292.08	2315.70	2338.88	2363.85	2386.13	2408.40	2426.85	2451.60	2475.45
90.0	2356.43	2383.65	2410.88	2440.13	2466.00	2487.83	2508.08	2529.45	2551.95
112.5	2292.08	2315.70	2338.88	2363.85	2386.13	2408.40	2426.85	2451.60	2475.45
135.0	2131.43	2148.75	2166.30	2186.10	2207.25	2229.08	2247.30	2268.23	2287.35
157.5	1988.33	2006.33	2022.08	2042.33	2065.73	2087.55	2109.15	2127.15	2129.63
180.0	1795.73	1804.95	1815.98	1827.68	1842.75	1858.73	1880.33	1893.83	1903.28
202.5	1560.60	1556.10	1552.50	1549.80	1546.88	1544.63	1541.48	1538.55	1534.28
225.0	1438.20	1433.03	1427.18	1420.88	1415.25	1407.60	1398.83	1390.05	1380.60
247.5	1393.43	1383.98	1375.43	1367.33	1355.18	1343.93	1330.20	1313.78	1297.35
270.0	1374.98	1366.65	1356.75	1341.00	1328.63	1316.03	1301.63	1286.33	1262.93
292.5	1393.43	1383.98	1375.43	1367.33	1355.18	1343.93	1330.20	1313.78	1297.35
315.0	1438.20	1433.03	1427.18	1420.88	1415.25	1407.60	1398.83	1390.05	1380.60
337.5	1560.60	1556.10	1552.50	1549.80	1546.88	1544.63	1541.48	1538.55	1534.28
360.0	1795.73	1804.95	1815.98	1827.68	1842.75	1858.73	1880.33	1893.83	1903.28
C/ γ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1911.38	1917.00	1922.18	1923.53	1926.23	1934.33	1943.55	1955.70	1967.40
22.5	2123.78	2124.90	2133.00	2146.28	2165.40	2181.83	2200.05	2222.10	2250.45
45.0	2312.55	2333.03	2354.40	2383.88	2411.78	2441.25	2470.50	2507.18	2544.98
67.5	2494.35	2522.70	2544.53	2564.55	2584.80	2605.05	2619.90	2630.25	2634.75
90.0	2568.60	2583.23	2599.65	2606.40	2607.98	2605.05	2597.63	2573.78	2550.83
112.5	2494.35	2522.70	2544.53	2564.55	2584.80	2605.05	2619.90	2630.25	2634.75
135.0	2312.55	2333.03	2354.40	2383.88	2411.78	2441.25	2470.50	2507.18	2544.98
157.5	2123.78	2124.90	2133.00	2146.28	2165.40	2181.83	2200.05	2222.10	2250.45
180.0	1911.38	1917.00	1922.18	1923.53	1926.23	1934.33	1943.55	1955.70	1967.40
202.5	1528.88	1521.68	1514.93	1509.75	1501.20	1492.65	1481.18	1471.73	1460.25
225.0	1369.13	1352.48	1338.08	1321.65	1302.30	1279.58	1256.85	1232.10	1206.45
247.5	1279.58	1257.30	1232.33	1198.58	1168.43	1142.10	1108.80	1077.98	1044.00
270.0	1241.10	1206.45	1179.45	1149.30	1122.08	1091.48	1059.75	1018.35	952.88
292.5	1279.58	1257.30	1232.33	1198.58	1168.43	1142.10	1108.80	1077.98	1044.00
315.0	1369.13	1352.48	1338.08	1321.65	1302.30	1279.58	1256.85	1232.10	1206.45
337.5	1528.88	1521.68	1514.93	1509.75	1501.20	1492.65	1481.18	1471.73	1460.25
360.0	1911.38	1917.00	1922.18	1923.53	1926.23	1934.33	1943.55	1955.70	1967.40
C/ γ (°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	1980.68	1998.23	2013.75	2027.25	2047.73	2063.93	2083.28	2107.58	2128.95
22.5	2277.90	2305.80	2335.05	2366.33	2402.55	2441.03	2481.75	2539.35	2586.15
45.0	2587.95	2622.60	2665.80	2703.15	2737.80	2775.38	2800.58	2827.58	2848.05
67.5	2632.05	2623.73	2600.78	2576.03	2537.78	2473.43	2406.15	2322.45	2223.00
90.0	2515.05	2472.75	2423.70	2350.58	2274.98	2181.60	2040.75	1919.25	1783.80
112.5	2632.05	2623.73	2600.78	2576.03	2537.78	2473.43	2406.15	2322.45	2223.00
135.0	2587.95	2622.60	2665.80	2703.15	2737.80	2775.38	2800.58	2827.58	2848.05
157.5	2277.90	2305.80	2335.05	2366.33	2402.55	2441.03	2481.75	2539.35	2586.15
180.0	1980.68	1998.23	2013.75	2027.25	2047.73	2063.93	2083.28	2107.58	2128.95
202.5	1445.85	1432.13	1414.13	1394.55	1370.70	1339.88	1313.10	1279.80	1246.73
225.0	1172.48	1133.78	1094.40	1059.75	1012.73	972.68	931.28	884.25	835.88
247.5	1001.03	937.80	888.75	843.53	789.08	745.20	702.90	649.35	599.63
270.0	894.38	855.45	800.55	758.48	716.40	662.85	614.70	572.63	537.53
292.5	1001.03	937.80	888.75	843.53	789.08	745.20	702.90	649.35	599.63
315.0	1172.48	1133.78	1094.40	1059.75	1012.73	972.68	931.28	884.25	835.88
337.5	1445.85	1432.13	1414.13	1394.55	1370.70	1339.88	1313.10	1279.80	1246.73
360.0	1980.68	1998.23	2013.75	2027.25	2047.73	2063.93	2083.28	2107.58	2128.95

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

Page: 20 Total:24

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	2147.40	2169.90	2195.55	2214.23	2233.58	2251.80	2260.35	2262.83	2260.35
22.5	2640.83	2695.50	2763.00	2823.53	2892.38	2956.73	3018.15	3075.98	3131.10
45.0	2859.75	2859.08	2840.85	2812.28	2762.55	2686.28	2565.23	2439.45	2299.95
67.5	2083.28	1943.78	1786.28	1587.60	1370.03	1178.78	992.48	829.35	631.58
90.0	1632.15	1435.28	1258.43	1082.48	888.08	757.13	616.28	466.65	391.50
112.5	2083.28	1943.78	1786.28	1587.60	1370.03	1178.78	992.48	829.35	631.58
135.0	2859.75	2859.08	2840.85	2812.28	2762.55	2686.28	2565.23	2439.45	2299.95
157.5	2640.83	2695.50	2763.00	2823.53	2892.38	2956.73	3018.15	3075.98	3131.10
180.0	2147.40	2169.90	2195.55	2214.23	2233.58	2251.80	2260.35	2262.83	2260.35
202.5	1207.80	1164.38	1120.73	1070.55	1010.25	954.23	891.23	830.70	764.55
225.0	766.58	717.08	664.65	621.68	572.18	527.18	483.53	451.80	418.05
247.5	562.95	531.00	493.65	450.45	423.00	396.00	369.45	346.05	326.70
270.0	496.13	460.80	425.03	398.93	372.38	356.18	338.85	317.25	296.55
292.5	562.95	531.00	493.65	450.45	423.00	396.00	369.45	346.05	326.70
315.0	766.58	717.08	664.65	621.68	572.18	527.18	483.53	451.80	418.05
337.5	1207.80	1164.38	1120.73	1070.55	1010.25	954.23	891.23	830.70	764.55
360.0	2147.40	2169.90	2195.55	2214.23	2233.58	2251.80	2260.35	2262.83	2260.35
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2243.93	2217.38	2157.08	2092.50	2006.55	1881.68	1754.10	1606.05	1440.90
22.5	3177.23	3214.13	3244.50	3243.83	3213.23	3123.90	3005.78	2853.00	2613.38
45.0	2054.93	1845.68	1619.33	1388.48	1155.38	909.00	672.08	508.95	386.55
67.5	503.10	410.18	347.18	300.83	274.50	260.55	251.10	243.45	236.48
90.0	339.53	305.78	281.48	274.05	267.30	256.28	240.75	225.23	210.38
112.5	503.10	410.18	347.18	300.83	274.50	260.55	251.10	243.45	236.48
135.0	2054.93	1845.68	1619.33	1388.48	1155.38	909.00	672.08	508.95	386.55
157.5	3177.23	3214.13	3244.50	3243.83	3213.23	3123.90	3005.78	2853.00	2613.38
180.0	2243.93	2217.38	2157.08	2092.50	2006.55	1881.68	1754.10	1606.05	1440.90
202.5	699.53	623.48	567.45	502.43	451.13	401.18	359.33	317.48	285.30
225.0	393.75	366.98	347.63	330.30	314.55	297.90	286.20	275.63	263.03
247.5	308.25	288.68	272.48	257.85	244.80	231.08	213.53	199.35	184.95
270.0	274.50	248.63	224.78	203.85	180.45	164.03	148.73	130.28	114.08
292.5	308.25	288.68	272.48	257.85	244.80	231.08	213.53	199.35	184.95
315.0	393.75	366.98	347.63	330.30	314.55	297.90	286.20	275.63	263.03
337.5	699.53	623.48	567.45	502.43	451.13	401.18	359.33	317.48	285.30
360.0	2243.93	2217.38	2157.08	2092.50	2006.55	1881.68	1754.10	1606.05	1440.90
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1260.45	1024.20	837.23	637.88	470.93	317.03	225.90	165.38	125.55
22.5	2355.08	2060.10	1710.90	1318.28	1005.08	725.63	497.25	339.98	207.45
45.0	295.43	241.88	207.00	185.85	168.53	156.83	142.88	129.83	115.20
67.5	228.15	216.23	200.93	181.80	162.90	145.35	129.15	117.68	104.18
90.0	193.28	180.68	171.68	160.88	151.20	133.20	121.05	110.48	100.35
112.5	228.15	216.23	200.93	181.80	162.90	145.35	129.15	117.68	104.18
135.0	295.43	241.88	207.00	185.85	168.53	156.83	142.88	129.83	115.20
157.5	2355.08	2060.10	1710.90	1318.28	1005.08	725.63	497.25	339.98	207.45
180.0	1260.45	1024.20	837.23	637.88	470.93	317.03	225.90	165.38	125.55
202.5	260.78	241.43	222.75	207.90	195.30	183.83	170.33	158.18	144.90
225.0	251.33	238.73	225.23	213.53	199.58	185.63	172.58	154.35	139.50
247.5	168.98	153.90	140.85	128.48	114.98	99.68	85.28	75.83	65.70
270.0	94.73	79.65	61.88	45.23	24.30	12.60	6.98	3.60	1.35
292.5	168.98	153.90	140.85	128.48	114.98	99.68	85.28	75.83	65.70
315.0	251.33	238.73	225.23	213.53	199.58	185.63	172.58	154.35	139.50
337.5	260.78	241.43	222.75	207.90	195.30	183.83	170.33	158.18	144.90
360.0	1260.45	1024.20	837.23	637.88	470.93	317.03	225.90	165.38	125.55

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

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C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	101.25	85.28	71.55	58.50	46.13	37.58	28.35	21.15	15.53
22.5	151.65	115.65	92.93	69.98	56.93	46.58	38.48	30.60	25.65
45.0	102.83	89.10	76.05	64.13	52.20	43.20	36.00	29.70	25.43
67.5	89.55	75.60	65.70	55.58	47.25	38.93	32.18	26.55	24.08
90.0	88.88	78.75	68.18	54.68	47.03	37.80	30.60	23.40	21.38
112.5	89.55	75.60	65.70	55.58	47.25	38.93	32.18	26.55	24.08
135.0	102.83	89.10	76.05	64.13	52.20	43.20	36.00	29.70	25.43
157.5	151.65	115.65	92.93	69.98	56.93	46.58	38.48	30.60	25.65
180.0	101.25	85.28	71.55	58.50	46.13	37.58	28.35	21.15	15.53
202.5	126.00	108.23	95.63	83.25	72.00	54.00	42.98	33.30	24.98
225.0	124.88	110.48	94.95	78.08	62.55	48.83	40.50	31.95	24.53
247.5	55.58	47.03	40.28	31.73	26.10	20.93	16.65	13.28	9.23
270.0	0.45	78.75	68.18	54.68	47.03	37.80	30.60	23.40	21.38
292.5	55.58	47.03	40.28	31.73	26.10	20.93	16.65	13.28	9.23
315.0	124.88	110.48	94.95	78.08	62.55	48.83	40.50	31.95	24.53
337.5	126.00	108.23	95.63	83.25	72.00	54.00	42.98	33.30	24.98
360.0	101.25	85.28	71.55	58.50	46.13	37.58	28.35	21.15	15.53
C/ γ (°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	11.70	10.13	8.78	7.65	6.98	6.30	5.85	5.63	5.40
22.5	22.95	20.25	18.45	17.10	15.53	14.18	12.83	11.48	10.13
45.0	23.40	21.15	19.13	17.10	15.53	13.73	12.15	10.80	9.23
67.5	22.73	20.70	18.00	14.40	11.25	8.78	6.98	5.85	4.50
90.0	20.70	21.15	19.80	11.70	3.60	2.03	1.13	0.68	0.23
112.5	22.73	20.70	18.00	14.40	11.25	8.78	6.98	5.85	4.50
135.0	23.40	21.15	19.13	17.10	15.53	13.73	12.15	10.80	9.23
157.5	22.95	20.25	18.45	17.10	15.53	14.18	12.83	11.48	10.13
180.0	11.70	10.13	8.78	7.65	6.98	6.30	5.85	5.63	5.40
202.5	19.80	15.75	13.73	12.15	10.80	9.90	8.78	7.88	7.43
225.0	17.78	13.28	10.80	9.00	8.10	7.65	7.20	6.75	5.85
247.5	6.75	4.95	3.60	2.70	2.48	2.25	2.03	1.80	1.35
270.0	20.70	21.15	19.80	11.70	3.60	2.03	1.13	0.68	0.23
292.5	6.75	4.95	3.60	2.70	2.48	2.25	2.03	1.80	1.35
315.0	17.78	13.28	10.80	9.00	8.10	7.65	7.20	6.75	5.85
337.5	19.80	15.75	13.73	12.15	10.80	9.90	8.78	7.88	7.43
360.0	11.70	10.13	8.78	7.65	6.98	6.30	5.85	5.63	5.40
C/ γ (°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	4.95	4.73	4.50	4.50	4.28	4.28	4.28	4.05	3.83
22.5	9.23	8.33	7.65	6.98	6.53	6.30	5.18	4.73	4.05
45.0	8.10	7.20	6.53	5.63	4.95	4.28	3.83	3.38	2.93
67.5	3.60	2.93	2.25	2.03	1.58	1.58	1.13	1.13	0.90
90.0	0.45	0.23	0.23	0.23	0.23	0.00	0.23	0.23	0.23
112.5	3.60	2.93	2.25	2.03	1.58	1.58	1.13	1.13	0.90
135.0	8.10	7.20	6.53	5.63	4.95	4.28	3.83	3.38	2.93
157.5	9.23	8.33	7.65	6.98	6.53	6.30	5.18	4.73	4.05
180.0	4.95	4.73	4.50	4.50	4.28	4.28	4.28	4.05	3.83
202.5	6.75	6.30	6.08	5.63	5.63	5.18	5.18	5.18	4.73
225.0	5.18	4.50	4.28	3.83	3.60	3.38	3.15	3.15	3.15
247.5	1.13	0.90	0.90	0.68	0.45	0.68	0.68	0.68	0.90
270.0	0.45	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
292.5	1.13	0.90	0.90	0.68	0.45	0.68	0.68	0.68	0.90
315.0	5.18	4.50	4.28	3.83	3.60	3.38	3.15	3.15	3.15
337.5	6.75	6.30	6.08	5.63	5.63	5.18	5.18	5.18	4.73
360.0	4.95	4.73	4.50	4.50	4.28	4.28	4.28	4.05	3.83

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

Page: 22 Total:24

C/ γ (°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	3.83	3.83	3.60	3.83	3.60	3.60	3.60	3.60	3.60
22.5	3.83	3.60	3.38	3.15	3.15	2.93	2.70	2.70	2.48
45.0	2.48	2.25	2.03	2.03	1.80	1.80	1.58	1.35	1.35
67.5	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
90.0	0.23	0.00	0.23	0.00	0.45	0.23	0.23	0.23	0.45
112.5	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
135.0	2.48	2.25	2.03	2.03	1.80	1.80	1.58	1.35	1.35
157.5	3.83	3.60	3.38	3.15	3.15	2.93	2.70	2.70	2.48
180.0	3.83	3.83	3.60	3.83	3.60	3.60	3.60	3.60	3.60
202.5	4.73	4.50	4.50	4.50	4.50	4.50	4.28	4.50	4.28
225.0	2.93	3.15	3.15	3.15	2.93	3.15	3.15	3.38	3.38
247.5	0.90	1.13	1.13	1.35	1.35	1.58	1.80	1.80	2.25
270.0	0.23	0.68	0.68	0.68	0.90	1.13	1.13	1.35	1.35
292.5	0.90	1.13	1.13	1.35	1.35	1.58	1.80	1.80	2.25
315.0	2.93	3.15	3.15	3.15	2.93	3.15	3.15	3.38	3.38
337.5	4.73	4.50	4.50	4.50	4.50	4.50	4.28	4.50	4.28
360.0	3.83	3.83	3.60	3.83	3.60	3.60	3.60	3.60	3.60
C/ γ (°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	3.38	3.38	3.38	3.60	3.60	3.60	3.60	3.60	3.38
22.5	2.70	2.70	2.48	2.70	2.48	2.48	2.48	2.48	2.48
45.0	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.80	1.58
67.5	0.90	0.90	0.90	0.90	0.90	1.13	1.13	1.13	1.13
90.0	0.45	0.45	0.45	0.45	0.68	0.68	0.90	0.90	0.90
112.5	0.90	0.90	0.90	0.90	0.90	1.13	1.13	1.13	1.13
135.0	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.80	1.58
157.5	2.70	2.70	2.48	2.70	2.48	2.48	2.48	2.48	2.48
180.0	3.38	3.38	3.38	3.60	3.60	3.60	3.60	3.60	3.38
202.5	4.50	4.50	4.50	4.50	4.50	4.50	4.73	4.73	4.73
225.0	3.60	3.60	3.60	3.83	3.83	3.83	4.05	4.05	4.05
247.5	2.03	2.25	2.48	2.70	2.93	2.93	3.15	3.15	3.38
270.0	1.58	2.03	2.03	2.03	2.25	2.48	2.48	2.93	2.93
292.5	2.03	2.25	2.48	2.70	2.93	2.93	3.15	3.15	3.38
315.0	3.60	3.60	3.60	3.83	3.83	3.83	4.05	4.05	4.05
337.5	4.50	4.50	4.50	4.50	4.50	4.50	4.73	4.73	4.73
360.0	3.38	3.38	3.38	3.60	3.60	3.60	3.60	3.60	3.38
C/ γ (°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	3.60	3.60	3.60	3.60	3.60	3.60	3.83	3.60	3.60
22.5	2.48	2.48	2.70	2.70	2.70	2.70	2.93	2.93	2.93
45.0	1.80	1.80	1.80	2.03	2.03	2.03	2.03	2.03	2.03
67.5	1.35	1.58	1.58	1.58	1.58	1.58	1.80	1.80	1.80
90.0	1.13	0.90	0.90	1.35	1.35	1.35	1.35	1.58	1.80
112.5	1.35	1.58	1.58	1.58	1.58	1.58	1.80	1.80	1.80
135.0	1.80	1.80	1.80	2.03	2.03	2.03	2.03	2.03	2.03
157.5	2.48	2.48	2.70	2.70	2.70	2.70	2.93	2.93	2.93
180.0	3.60	3.60	3.60	3.60	3.60	3.60	3.83	3.60	3.60
202.5	4.50	4.73	4.50	4.73	4.73	4.50	4.50	4.50	4.50
225.0	4.28	4.05	4.28	4.28	4.28	4.50	4.28	4.50	4.50
247.5	3.38	3.60	3.83	3.83	4.05	3.83	4.05	4.05	4.05
270.0	3.15	3.38	3.60	3.60	3.83	3.83	4.05	4.28	4.05
292.5	3.38	3.60	3.83	3.83	4.05	3.83	4.05	4.05	4.05
315.0	4.28	4.05	4.28	4.28	4.28	4.50	4.28	4.50	4.50
337.5	4.50	4.73	4.50	4.73	4.73	4.50	4.50	4.50	4.50
360.0	3.60	3.60	3.60	3.60	3.60	3.60	3.83	3.60	3.60

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

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C/ γ (°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	3.60	3.38	3.60	3.38	3.60	3.38	3.38	3.38	3.38
22.5	2.93	2.70	2.93	2.93	2.93	2.93	2.93	2.93	2.93
45.0	2.25	2.03	2.25	2.25	2.25	2.48	2.25	2.48	2.48
67.5	1.80	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
90.0	1.58	1.58	1.80	1.80	2.03	2.03	2.03	2.25	2.03
112.5	1.80	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
135.0	2.25	2.03	2.25	2.25	2.25	2.48	2.25	2.48	2.48
157.5	2.93	2.70	2.93	2.93	2.93	2.93	2.93	2.93	2.93
180.0	3.60	3.38	3.60	3.38	3.60	3.38	3.38	3.38	3.38
202.5	4.50	4.28	4.28	4.28	4.28	4.05	4.05	4.05	3.83
225.0	4.50	4.50	4.50	4.28	4.50	4.50	4.28	4.28	4.50
247.5	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
270.0	4.28	4.28	4.28	4.50	4.50	4.50	4.28	4.50	4.28
292.5	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
315.0	4.50	4.50	4.50	4.28	4.50	4.50	4.28	4.28	4.50
337.5	4.50	4.28	4.28	4.28	4.28	4.05	4.05	4.05	3.83
360.0	3.60	3.38	3.60	3.38	3.60	3.38	3.38	3.38	3.38
C/ γ (°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	3.38	3.15	3.38	3.38	3.38	3.38	3.38	3.38	3.38
22.5	3.15	3.15	2.93	2.93	2.93	2.93	3.15	3.15	3.15
45.0	2.48	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.48
67.5	2.25	2.03	2.25	2.25	2.25	2.48	2.48	2.25	2.25
90.0	2.25	2.25	2.25	2.25	2.25	2.48	2.48	2.48	2.48
112.5	2.25	2.03	2.25	2.25	2.25	2.48	2.48	2.25	2.25
135.0	2.48	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.48
157.5	3.15	3.15	2.93	2.93	2.93	2.93	3.15	3.15	3.15
180.0	3.38	3.15	3.38	3.38	3.38	3.38	3.38	3.38	3.38
202.5	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83
225.0	4.28	4.05	4.28	4.28	4.05	4.05	4.05	3.83	4.05
247.5	4.28	4.28	4.50	4.28	4.28	4.28	4.05	4.05	4.28
270.0	4.50	4.50	4.28	4.50	4.50	4.50	4.50	4.28	4.28
292.5	4.28	4.28	4.50	4.28	4.28	4.28	4.05	4.05	4.28
315.0	4.28	4.05	4.28	4.28	4.05	4.05	4.05	3.83	4.05
337.5	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83
360.0	3.38	3.15	3.38	3.38	3.38	3.38	3.38	3.38	3.38
C/ γ (°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
22.5	2.93	2.93	3.15	3.15	2.93	2.93	2.93	2.93	2.93
45.0	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
67.5	2.48	2.48	2.48	2.48	2.48	2.48	2.70	2.70	2.70
90.0	2.48	2.70	2.70	2.70	2.70	2.48	2.70	2.70	2.70
112.5	2.48	2.48	2.48	2.48	2.48	2.48	2.70	2.70	2.70
135.0	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
157.5	2.93	2.93	3.15	3.15	2.93	2.93	2.93	2.93	2.93
180.0	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
202.5	3.83	3.60	3.60	3.60	3.60	3.38	3.38	3.38	3.38
225.0	4.05	3.83	3.83	3.83	3.60	3.83	3.60	3.38	3.60
247.5	4.05	4.05	4.05	3.83	3.83	3.83	3.83	3.83	3.60
270.0	4.28	4.50	4.05	4.05	4.05	4.05	4.05	4.05	3.83
292.5	4.05	4.05	4.05	3.83	3.83	3.83	3.83	3.83	3.60
315.0	4.05	3.83	3.83	3.83	3.60	3.83	3.60	3.38	3.60
337.5	3.83	3.60	3.60	3.60	3.60	3.38	3.38	3.38	3.38
360.0	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

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C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	3.15	2.93	2.93	3.15	2.93	2.93	2.93	2.93	2.93
22.5	3.15	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
45.0	2.93	2.70	2.93	2.70	2.70	2.70	2.70	2.70	2.70
67.5	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
90.0	2.70	2.70	2.70	2.70	2.70	2.70	2.93	2.93	2.93
112.5	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
135.0	2.93	2.70	2.93	2.70	2.70	2.70	2.70	2.70	2.70
157.5	3.15	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
180.0	3.15	2.93	2.93	3.15	2.93	2.93	2.93	2.93	2.93
202.5	3.38	3.38	3.38	3.15	3.15	3.15	3.15	2.93	3.15
225.0	3.38	3.38	3.38	3.38	3.15	3.38	3.38	3.15	3.15
247.5	3.60	3.60	3.60	3.60	3.60	3.38	3.38	3.38	3.38
270.0	3.83	3.83	3.83	3.60	3.60	3.38	3.38	3.38	3.38
292.5	3.60	3.60	3.60	3.60	3.60	3.38	3.38	3.38	3.38
315.0	3.38	3.38	3.38	3.38	3.15	3.38	3.38	3.15	3.15
337.5	3.38	3.38	3.38	3.15	3.15	3.15	3.15	2.93	3.15
360.0	3.15	2.93	2.93	3.15	2.93	2.93	2.93	2.93	2.93
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	2.93	2.93	2.93	2.93	2.70	2.93	3.15	3.15	2.93
22.5	2.93	2.93	2.93	2.93	2.93	2.93	2.93	3.15	3.15
45.0	2.70	2.70	2.93	2.70	2.70	2.70	2.93	2.93	2.93
67.5	2.70	2.70	2.70	2.70	2.70	2.93	2.93	2.93	2.93
90.0	2.93	2.93	2.93	2.70	2.93	2.93	2.93	2.93	2.93
112.5	2.70	2.70	2.70	2.70	2.70	2.93	2.93	2.93	2.93
135.0	2.70	2.70	2.93	2.70	2.70	2.70	2.93	2.93	2.93
157.5	2.93	2.93	2.93	2.93	2.93	2.93	2.93	3.15	3.15
180.0	2.93	2.93	2.93	2.93	2.70	2.93	3.15	3.15	2.93
202.5	3.15	2.93	3.15	2.93	3.15	3.15	3.15	3.15	2.93
225.0	2.93	2.93	3.15	3.15	2.93	2.93	3.15	2.93	2.93
247.5	3.15	3.15	3.15	2.93	2.93	2.93	2.93	3.15	2.93
270.0	3.38	3.15	3.15	3.38	3.15	3.15	2.93	3.15	2.93
292.5	3.15	3.15	3.15	2.93	2.93	2.93	2.93	3.15	2.93
315.0	2.93	2.93	3.15	3.15	2.93	2.93	3.15	2.93	2.93
337.5	3.15	2.93	3.15	2.93	3.15	3.15	3.15	3.15	2.93
360.0	2.93	2.93	2.93	2.93	2.70	2.93	3.15	3.15	2.93
C/γ(°)	180.0								
0.0	2.93								
22.5	2.93								
45.0	2.93								
67.5	2.93								
90.0	2.93								
112.5	2.93								
135.0	2.93								
157.5	2.93								
180.0	2.93								
202.5	2.93								
225.0	2.93								
247.5	2.93								
270.0	2.93								
292.5	2.93								
315.0	2.93								
337.5	2.93								
360.0	2.93								

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38