



LumCAT:

Luminaire: TY-BUS-50-DW (Type 3)

Report No:

Voltage(V): 219.9200

Test No:

Current(A): 0.2220

LampCAT:

Power (W): 47.5800

Lamp flux(lm)

PF: 0.9737

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 5942.72

Lumens(lm)/Power(W): 124.90

Central intensity(cd): 1382.800

Maximum intensity(cd): 2538.017

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

Beam Angle(50%Imax): [C0/180]Total=151.3

[C90/270]Total=106.8

Field angle(10%Imax): [C0/180]Total=160.1

[C90/270]Total=139.9

Maximum s/h(1/2): C0_180=1.74 C90_270=2.07

Maximum s/h(1/4): C0_180=2.01 C90_270=1.86

Up flux rate of LUM(%): 0.40%

Down flux rate of LUM(%): 99.60%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 77.435%

Zonal flux distribution table

Page: 2 Total:24

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
0.0	1382.799	.000	.000	.000%	.000%	.000%
1.0	1386.208	1.325	1.325	.022%	.022%	.022%
2.0	1386.989	3.980	5.305	.067%	.089%	.089%
3.0	1388.262	6.637	11.943	.112%	.201%	.201%
4.0	1389.521	9.298	21.241	.156%	.357%	.357%
5.0	1390.904	11.961	33.202	.201%	.559%	.559%
6.0	1393.067	14.631	47.833	.246%	.805%	.805%
7.0	1396.175	17.313	65.145	.291%	1.096%	1.096%
8.0	1398.297	20.000	85.145	.337%	1.433%	1.433%
9.0	1401.021	22.687	107.832	.382%	1.815%	1.815%
10.0	1403.663	25.381	133.213	.427%	2.242%	2.242%
11.0	1407.496	28.089	161.303	.473%	2.714%	2.714%
12.0	1411.343	30.814	192.116	.519%	3.233%	3.233%
13.0	1415.396	33.546	225.663	.564%	3.797%	3.797%
14.0	1419.790	36.290	261.953	.611%	4.408%	4.408%
15.0	1424.677	39.050	301.003	.657%	5.065%	5.065%
16.0	1429.880	41.827	342.830	.704%	5.769%	5.769%
17.0	1435.958	44.629	387.459	.751%	6.520%	6.520%
18.0	1442.146	47.454	434.913	.799%	7.318%	7.318%
19.0	1448.868	50.298	485.210	.846%	8.165%	8.165%
20.0	1455.138	53.151	538.362	.894%	9.059%	9.059%
21.0	1461.298	56.001	594.363	.942%	10.002%	10.002%
22.0	1467.910	58.864	653.227	.991%	10.992%	10.992%
23.0	1474.235	61.734	714.961	1.039%	12.031%	12.031%
24.0	1481.039	64.613	779.574	1.087%	13.118%	13.118%
25.0	1488.048	67.511	847.084	1.136%	14.254%	14.254%
26.0	1494.469	70.403	917.487	1.185%	15.439%	15.439%
27.0	1500.492	73.272	990.760	1.233%	16.672%	16.672%
28.0	1506.598	76.133	1066.893	1.281%	17.953%	17.953%
29.0	1513.443	79.013	1145.905	1.330%	19.283%	19.283%
30.0	1519.015	81.876	1227.781	1.378%	20.660%	20.660%
31.0	1525.135	84.714	1312.495	1.426%	22.086%	22.086%
32.0	1530.939	87.553	1400.048	1.473%	23.559%	23.559%
33.0	1537.319	90.392	1490.440	1.521%	25.080%	25.080%
34.0	1543.780	93.243	1583.683	1.569%	26.649%	26.649%
35.0	1548.120	96.023	1679.706	1.616%	28.265%	28.265%
36.0	1552.638	98.729	1778.435	1.661%	29.926%	29.926%
37.0	1555.910	101.383	1879.818	1.706%	31.632%	31.632%

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

Date: 2018-9-13
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	1558.114	103.942	1983.760	1.749%	33.381%	33.381%
39.0	1560.701	106.454	2090.214	1.791%	35.173%	35.173%
40.0	1562.207	108.916	2199.130	1.833%	37.005%	37.005%
41.0	1563.220	111.295	2310.425	1.873%	38.878%	38.878%
42.0	1561.879	113.540	2423.965	1.911%	40.789%	40.789%
43.0	1560.865	115.676	2539.641	1.947%	42.735%	42.735%
44.0	1558.073	117.717	2657.358	1.981%	44.716%	44.716%
45.0	1551.789	119.516	2776.874	2.011%	46.727%	46.727%
46.0	1544.999	121.109	2897.982	2.038%	48.765%	48.765%
47.0	1534.649	122.486	3020.468	2.061%	50.826%	50.826%
48.0	1522.424	123.583	3144.051	2.080%	52.906%	52.906%
49.0	1511.746	124.600	3268.651	2.097%	55.003%	55.003%
50.0	1496.139	125.409	3394.060	2.110%	57.113%	57.113%
51.0	1477.041	125.791	3519.851	2.117%	59.230%	59.230%
52.0	1451.838	125.680	3645.531	2.115%	61.344%	61.344%
53.0	1428.497	125.294	3770.825	2.108%	63.453%	63.453%
54.0	1397.475	124.557	3895.383	2.096%	65.549%	65.549%
55.0	1366.426	123.376	4018.759	2.076%	67.625%	67.625%
56.0	1326.986	121.708	4140.466	2.048%	69.673%	69.673%
57.0	1284.067	119.383	4259.850	2.009%	71.682%	71.682%
58.0	1240.944	116.765	4376.615	1.965%	73.647%	73.647%
59.0	1198.560	114.048	4490.664	1.919%	75.566%	75.566%
60.0	1152.958	111.094	4601.757	1.869%	77.435%	77.435%
61.0	1107.425	107.870	4709.627	1.815%	79.250%	79.250%
62.0	1059.853	104.432	4814.060	1.757%	81.008%	81.008%
63.0	1013.964	100.861	4914.920	1.697%	82.705%	82.705%
64.0	968.636	97.285	5012.206	1.637%	84.342%	84.342%
65.0	924.376	93.684	5105.889	1.576%	85.918%	85.918%
66.0	880.212	90.037	5195.927	1.515%	87.433%	87.433%
67.0	828.423	85.915	5281.842	1.446%	88.879%	88.879%
68.0	771.610	81.052	5362.894	1.364%	90.243%	90.243%
69.0	717.890	75.987	5438.881	1.279%	91.522%	91.522%
70.0	660.282	70.780	5509.662	1.191%	92.713%	92.713%
71.0	595.953	64.929	5574.591	1.093%	93.805%	93.805%
72.0	531.186	58.608	5633.199	.986%	94.792%	94.792%
73.0	463.708	52.026	5685.225	.875%	95.667%	95.667%
74.0	399.584	45.385	5730.610	.764%	96.431%	96.431%
75.0	332.092	38.659	5769.269	.651%	97.081%	97.081%

Zonal flux distribution table

Page: 4 Total:24

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	265.819	31.739	5801.008	.534%	97.615%	97.615%
77.0	199.655	24.817	5825.825	.418%	98.033%	98.033%
78.0	155.601	19.017	5844.842	.320%	98.353%	98.353%
79.0	121.170	14.871	5859.713	.250%	98.603%	98.603%
80.0	95.611	11.687	5871.400	.197%	98.800%	98.800%
81.0	78.006	9.389	5880.789	.158%	98.958%	98.958%
82.0	65.602	7.788	5888.577	.131%	99.089%	99.089%
83.0	58.593	6.751	5895.328	.114%	99.203%	99.203%
84.0	47.942	5.804	5901.132	.098%	99.300%	99.300%
85.0	39.646	4.780	5905.912	.080%	99.381%	99.381%
86.0	32.254	3.930	5909.842	.066%	99.447%	99.447%
87.0	25.655	3.169	5913.012	.053%	99.500%	99.500%
88.0	20.152	2.509	5915.521	.042%	99.542%	99.542%
89.0	16.702	2.020	5917.541	.034%	99.576%	99.576%
90.0	14.128	1.690	5919.231	.028%	99.605%	99.605%
91.0	12.595	1.465	5920.697	.025%	99.629%	99.629%
92.0	11.691	1.331	5922.028	.022%	99.652%	99.652%
93.0	11.144	1.251	5923.279	.021%	99.673%	99.673%
94.0	10.432	1.181	5924.459	.020%	99.693%	99.693%
95.0	9.118	1.069	5925.528	.018%	99.711%	99.711%
96.0	7.776	.922	5926.450	.016%	99.726%	99.726%
97.0	6.599	.783	5927.233	.013%	99.739%	99.739%
98.0	5.832	.676	5927.909	.011%	99.751%	99.751%
99.0	5.120	.594	5928.502	.010%	99.761%	99.761%
100.0	4.655	.529	5929.031	.009%	99.770%	99.770%
101.0	4.189	.477	5929.508	.008%	99.778%	99.778%
102.0	3.833	.431	5929.939	.007%	99.785%	99.785%
103.0	3.505	.393	5930.332	.007%	99.792%	99.792%
104.0	3.176	.356	5930.688	.006%	99.798%	99.798%
105.0	2.984	.327	5931.015	.006%	99.803%	99.803%
106.0	2.779	.305	5931.319	.005%	99.808%	99.808%
107.0	2.642	.285	5931.604	.005%	99.813%	99.813%
108.0	2.533	.271	5931.875	.005%	99.818%	99.818%
109.0	2.423	.258	5932.133	.004%	99.822%	99.822%
110.0	2.314	.245	5932.377	.004%	99.826%	99.826%
111.0	2.231	.233	5932.611	.004%	99.830%	99.830%
112.0	2.177	.225	5932.836	.004%	99.834%	99.834%
113.0	2.095	.216	5933.052	.004%	99.837%	99.837%

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

Date: 2018-9-13
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	2.067	.209	5933.262	.004%	99.841%	99.841%
115.0	2.081	.207	5933.469	.003%	99.844%	99.844%
116.0	2.095	.207	5933.675	.003%	99.848%	99.848%
117.0	2.067	.204	5933.879	.003%	99.851%	99.851%
118.0	2.122	.204	5934.083	.003%	99.855%	99.855%
119.0	2.204	.208	5934.292	.004%	99.858%	99.858%
120.0	2.204	.210	5934.502	.004%	99.862%	99.862%
121.0	2.273	.211	5934.713	.004%	99.865%	99.865%
122.0	2.286	.213	5934.926	.004%	99.869%	99.869%
123.0	2.355	.215	5935.141	.004%	99.872%	99.872%
124.0	2.396	.217	5935.358	.004%	99.876%	99.876%
125.0	2.355	.215	5935.573	.004%	99.880%	99.880%
126.0	2.464	.215	5935.789	.004%	99.883%	99.883%
127.0	2.478	.218	5936.006	.004%	99.887%	99.887%
128.0	2.560	.219	5936.226	.004%	99.891%	99.891%
129.0	2.601	.221	5936.447	.004%	99.894%	99.894%
130.0	2.574	.219	5936.666	.004%	99.898%	99.898%
131.0	2.697	.220	5936.886	.004%	99.902%	99.902%
132.0	2.656	.220	5937.105	.004%	99.906%	99.906%
133.0	2.724	.217	5937.323	.004%	99.909%	99.909%
134.0	2.697	.216	5937.539	.004%	99.913%	99.913%
135.0	2.765	.214	5937.752	.004%	99.916%	99.916%
136.0	2.752	.212	5937.964	.004%	99.920%	99.920%
137.0	2.765	.208	5938.172	.004%	99.923%	99.923%
138.0	2.806	.206	5938.378	.003%	99.927%	99.927%
139.0	2.820	.204	5938.583	.003%	99.930%	99.930%
140.0	2.765	.199	5938.782	.003%	99.934%	99.934%
141.0	2.806	.194	5938.976	.003%	99.937%	99.937%
142.0	2.806	.192	5939.167	.003%	99.940%	99.940%
143.0	2.820	.188	5939.355	.003%	99.943%	99.943%
144.0	2.779	.183	5939.538	.003%	99.946%	99.946%
145.0	2.779	.177	5939.715	.003%	99.949%	99.949%
146.0	2.752	.172	5939.887	.003%	99.952%	99.952%
147.0	2.697	.165	5940.052	.003%	99.955%	99.955%
148.0	2.765	.161	5940.213	.003%	99.958%	99.958%
149.0	2.724	.157	5940.370	.003%	99.960%	99.960%
150.0	2.697	.151	5940.521	.003%	99.963%	99.963%
151.0	2.738	.147	5940.668	.002%	99.965%	99.965%

Zonal flux distribution table

Page: 6 Total:24

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	2.793	.145	5940.813	.002%	99.968%	99.968%
153.0	2.724	.140	5940.952	.002%	99.970%	99.970%
154.0	2.711	.133	5941.085	.002%	99.972%	99.972%
155.0	2.697	.128	5941.212	.002%	99.975%	99.975%
156.0	2.724	.123	5941.335	.002%	99.977%	99.977%
157.0	2.683	.118	5941.454	.002%	99.979%	99.979%
158.0	2.642	.112	5941.565	.002%	99.981%	99.981%
159.0	2.615	.106	5941.671	.002%	99.982%	99.982%
160.0	2.560	.099	5941.771	.002%	99.984%	99.984%
161.0	2.587	.094	5941.865	.002%	99.986%	99.986%
162.0	2.560	.090	5941.954	.002%	99.987%	99.987%
163.0	2.560	.084	5942.039	.001%	99.989%	99.989%
164.0	2.560	.080	5942.118	.001%	99.990%	99.990%
165.0	2.533	.075	5942.193	.001%	99.991%	99.991%
166.0	2.519	.069	5942.262	.001%	99.992%	99.992%
167.0	2.492	.064	5942.326	.001%	99.993%	99.993%
168.0	2.478	.059	5942.385	.001%	99.994%	99.994%
169.0	2.451	.054	5942.439	.001%	99.995%	99.995%
170.0	2.396	.048	5942.487	.001%	99.996%	99.996%
171.0	2.382	.043	5942.531	.001%	99.997%	99.997%
172.0	2.355	.038	5942.569	.001%	99.997%	99.997%
173.0	2.409	.034	5942.604	.001%	99.998%	99.998%
174.0	2.341	.029	5942.633	.000%	99.999%	99.999%
175.0	2.382	.025	5942.658	.000%	99.999%	99.999%
176.0	2.423	.021	5942.678	.000%	99.999%	99.999%
177.0	2.409	.016	5942.694	.000%	100.000%	100.000%
178.0	2.409	.012	5942.706	.000%	100.000%	100.000%
179.0	2.423	.007	5942.713	.000%	100.000%	100.000%
180.0	2.409	.002	5942.715	.000%	100.000%	100.000%

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

Date: 2018-9-13
Humidity(%): 57.0%

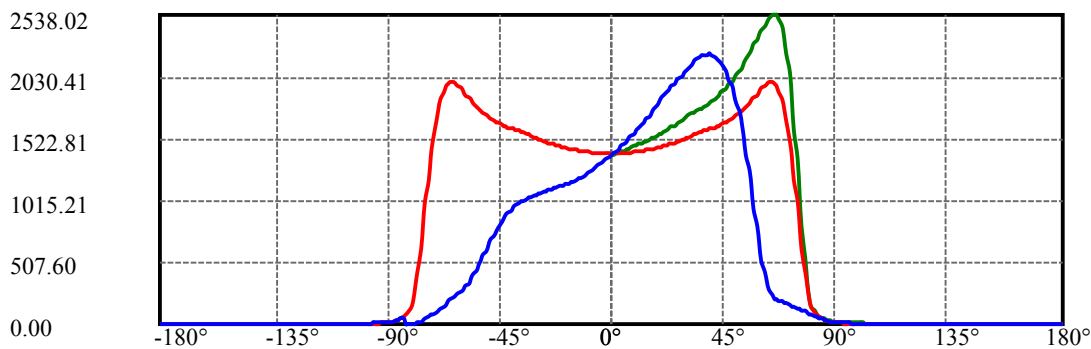
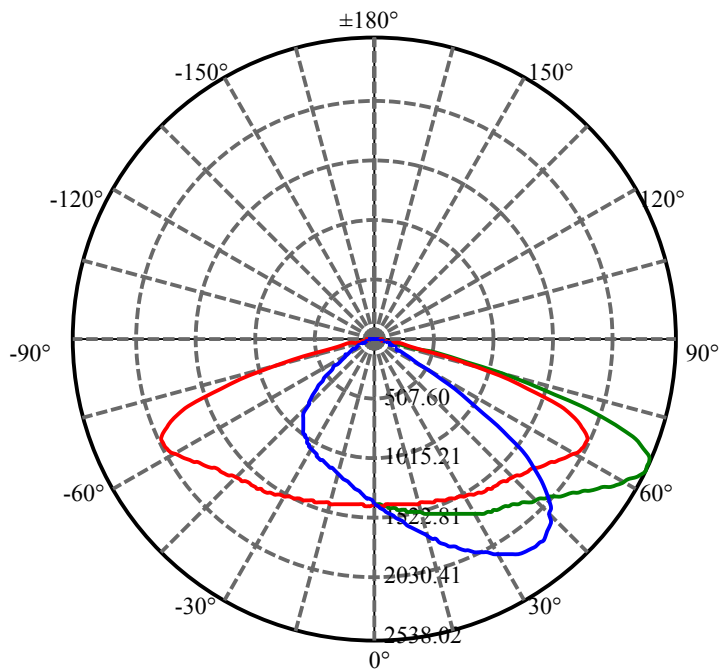
Operator: Dick
Distance(m): 14.38

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	1227.78	20.66%
0-40	2199.13	37.01%
0-60	4601.76	77.44%
0-90	5919.23	99.60%
0-120	5934.50	99.86%
0-180	5942.72	100.00%
60-90	1428.57	24.04%
90-120	16.96	0.29%
90-130	19.12	0.32%
90-150	22.98	0.39%
90-180	25.17	0.42%
0-61.43	4754.17	80.00%

ZONAL LUMEN SUMMARY

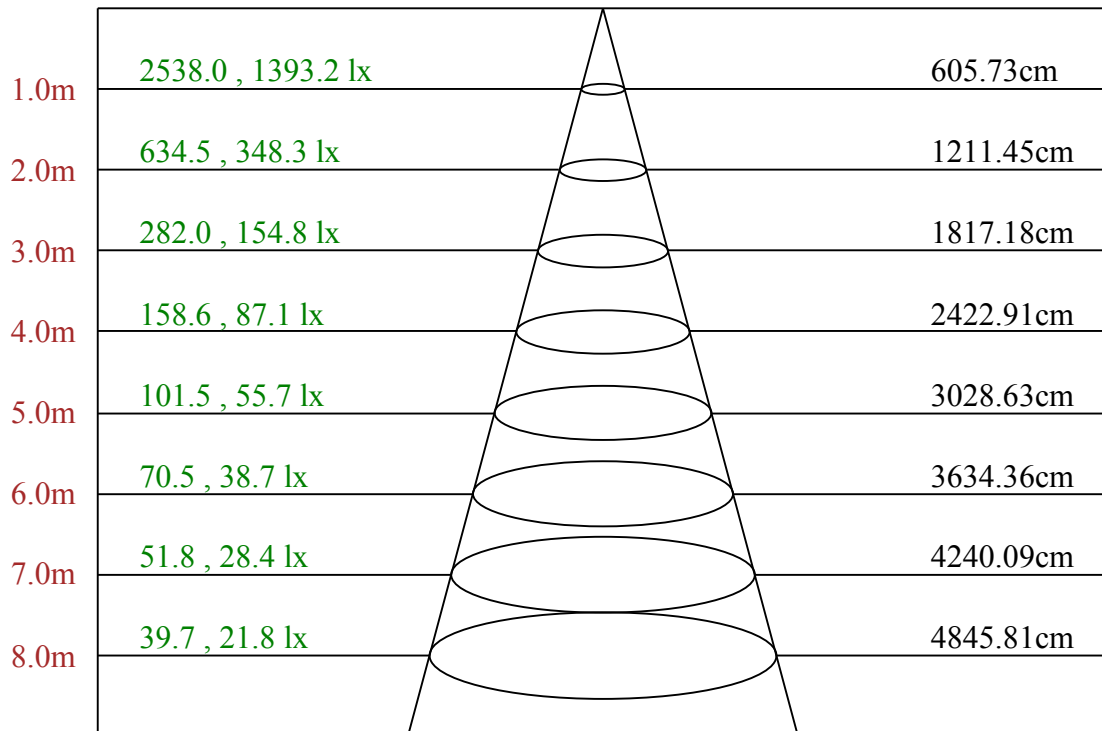
0-10	133.21
10-20	405.15
20-30	689.42
30-40	971.35
40-50	1194.93
50-60	1207.70
60-70	907.90
70-80	361.74
80-90	47.83
90-100	9.80
100-110	3.35
110-120	2.12
120-130	2.16
130-140	2.12
140-150	1.74
150-160	1.25
160-170	0.72
170-180	0.23



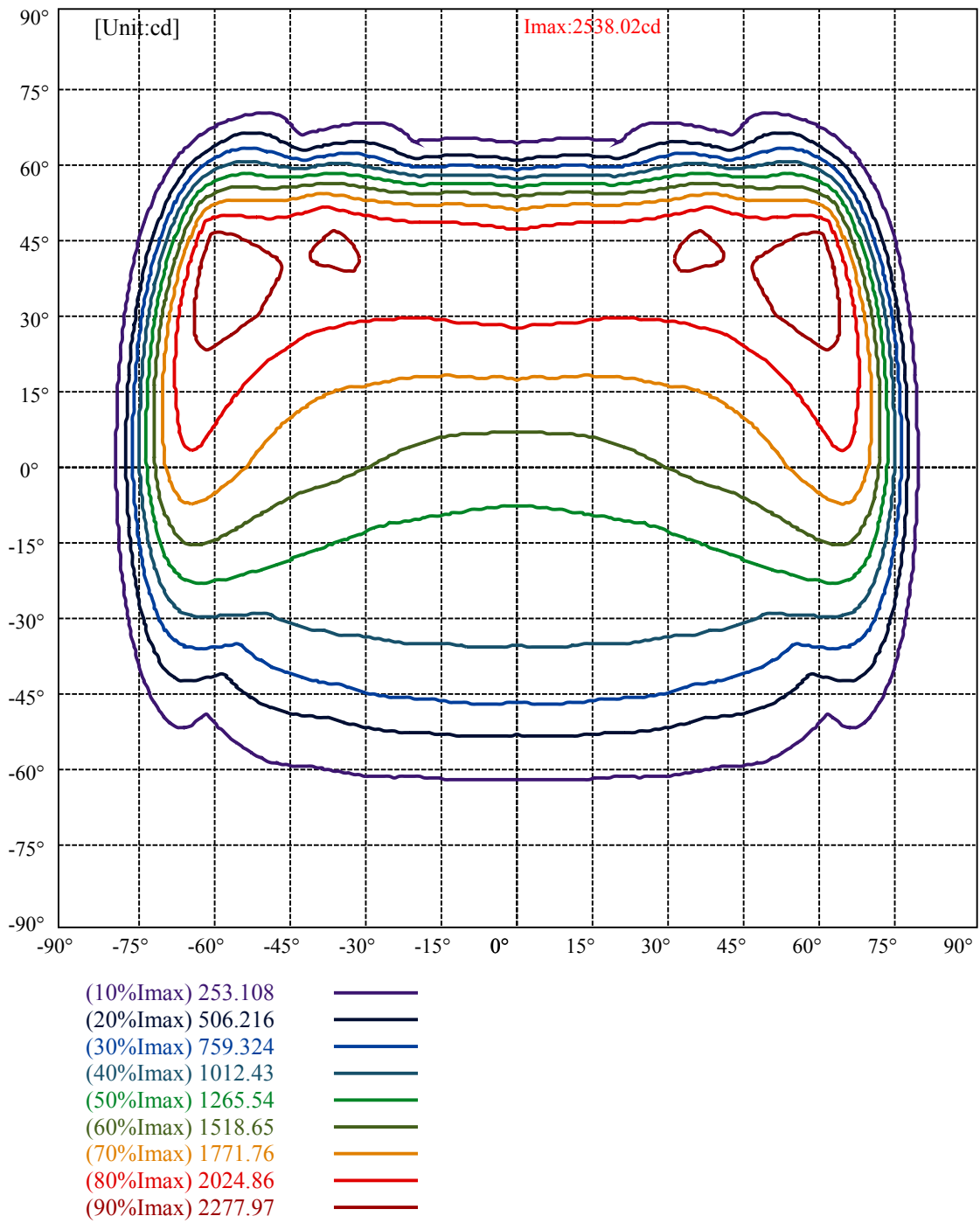
C22.5(Max): —
 C0/C180: —
 C90/C270: —

Field angle(10%Imax):C0/180Left:80.0 Right:80.0
 :C90/270Left:67.3 Right:72.6

Beam Angle(50%Imax):C0/180Left:75.6 Right:75.6
 :C90/270Left:47.9 Right:58.8



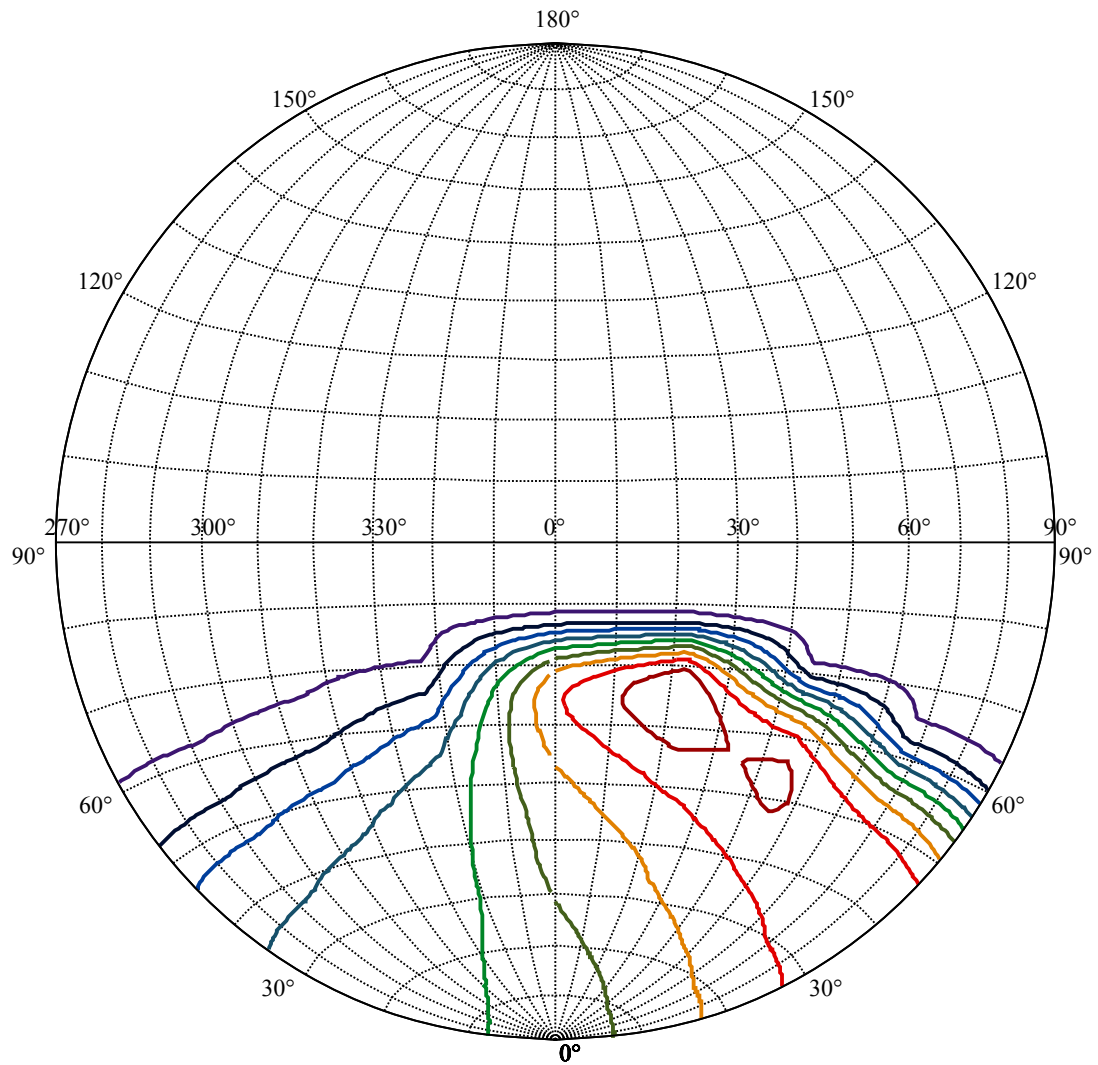
Max , Ave Beam angle of C22.5plane138.83



Equipment:
Temperature(°C): 25.3

Date: 2018-9-13
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38



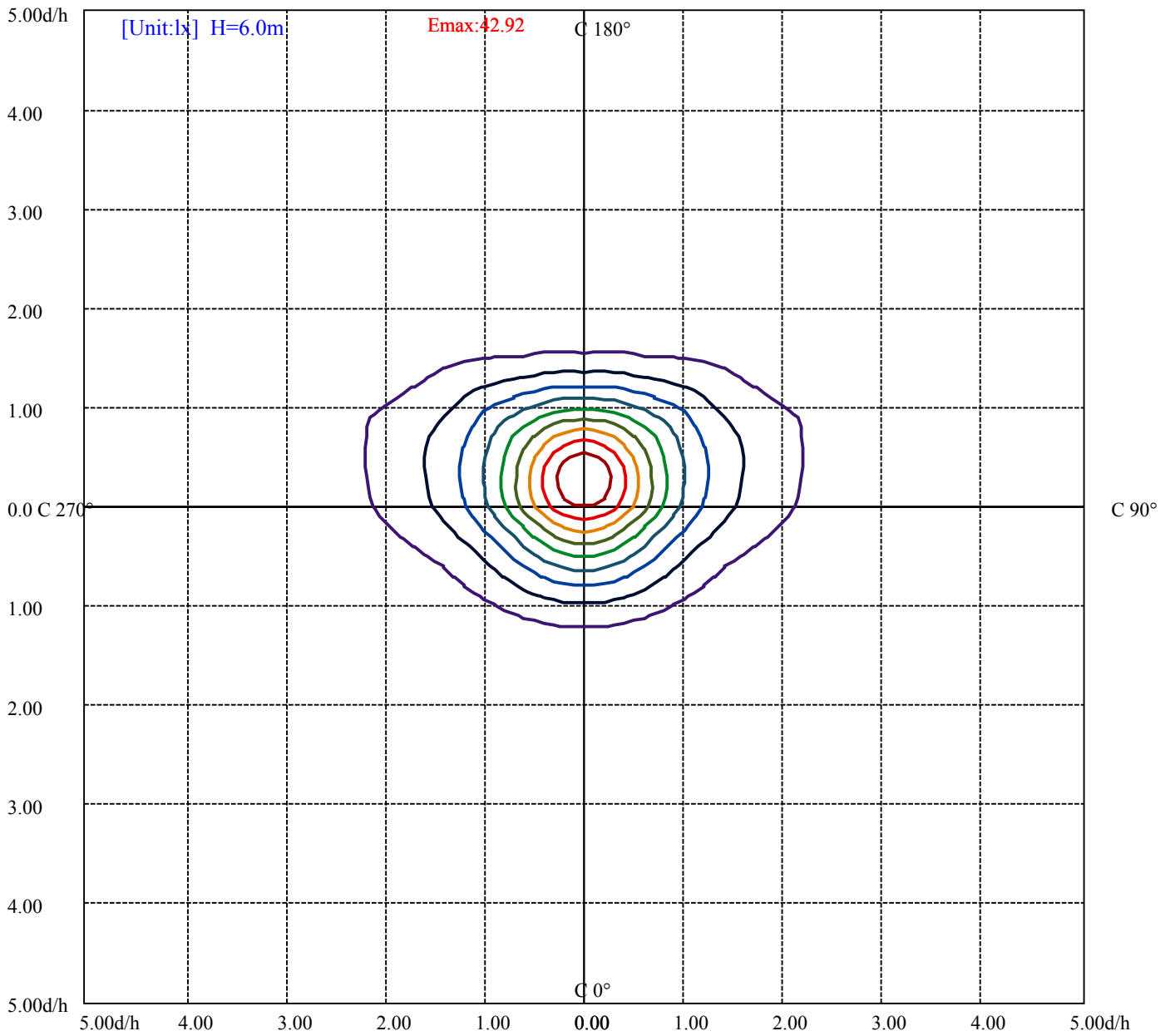
House

[Unit:cd]

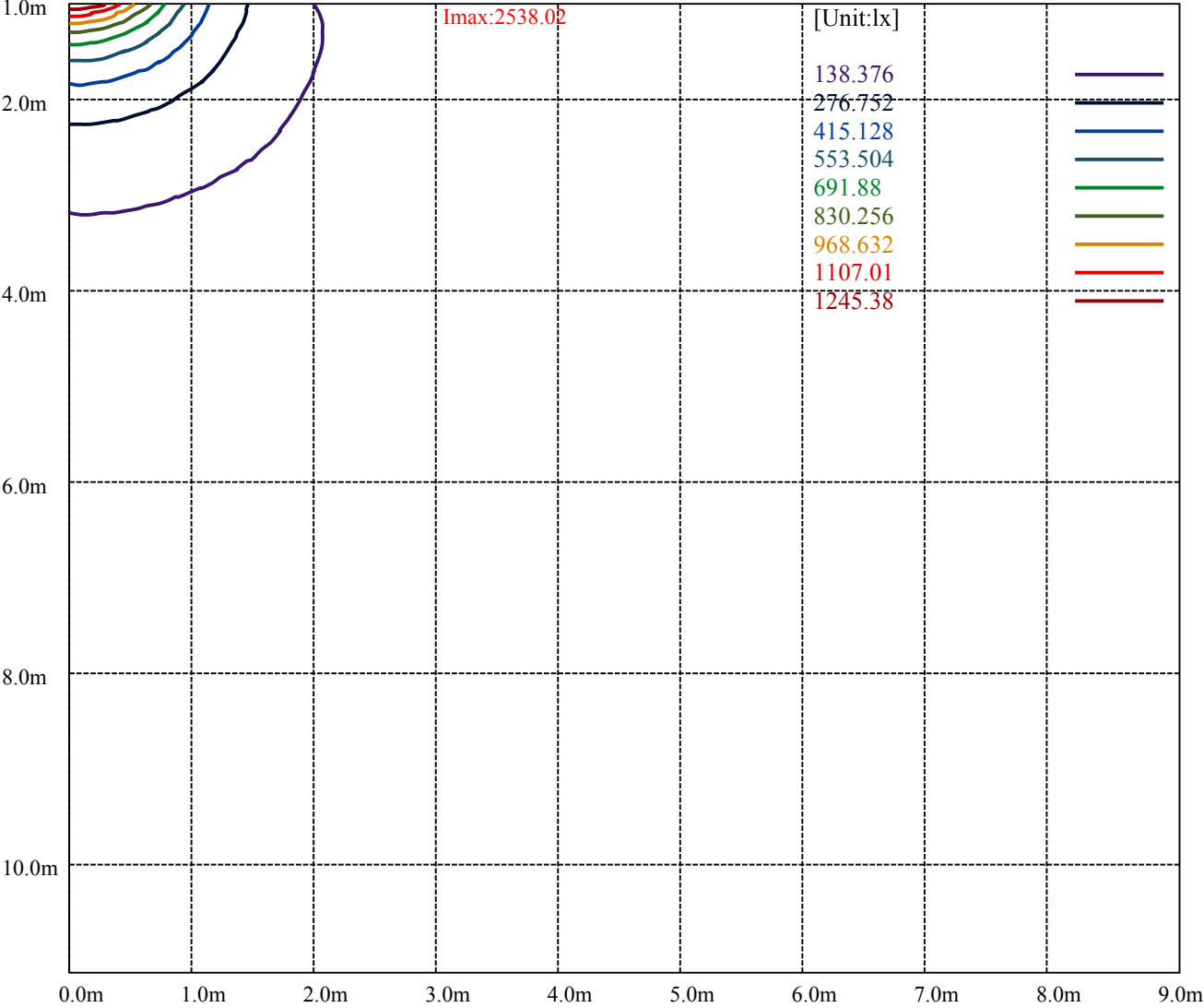
Road

Imax:2538.02

(10%Imax) 252.558	—
(20%Imax) 505.116	—
(30%Imax) 757.674	—
(40%Imax) 1010.23	—
(50%Imax) 1262.79	—
(60%Imax) 1515.35	—
(70%Imax) 1767.91	—
(80%Imax) 2020.46	—
(90%Imax) 2273.02	—



- (10%Emax) 4.292361 —
- (20%Emax) 8.584722 —
- (30%Emax) 12.87708 —
- (40%Emax) 17.16944 —
- (50%Emax) 21.46181 —
- (60%Emax) 25.75417 —
- (70%Emax) 30.04667 —
- (80%Emax) 34.33889 —
- (90%Emax) 38.63139 —



Luminance Limiting Curve(no luminous side)

Luminance Table

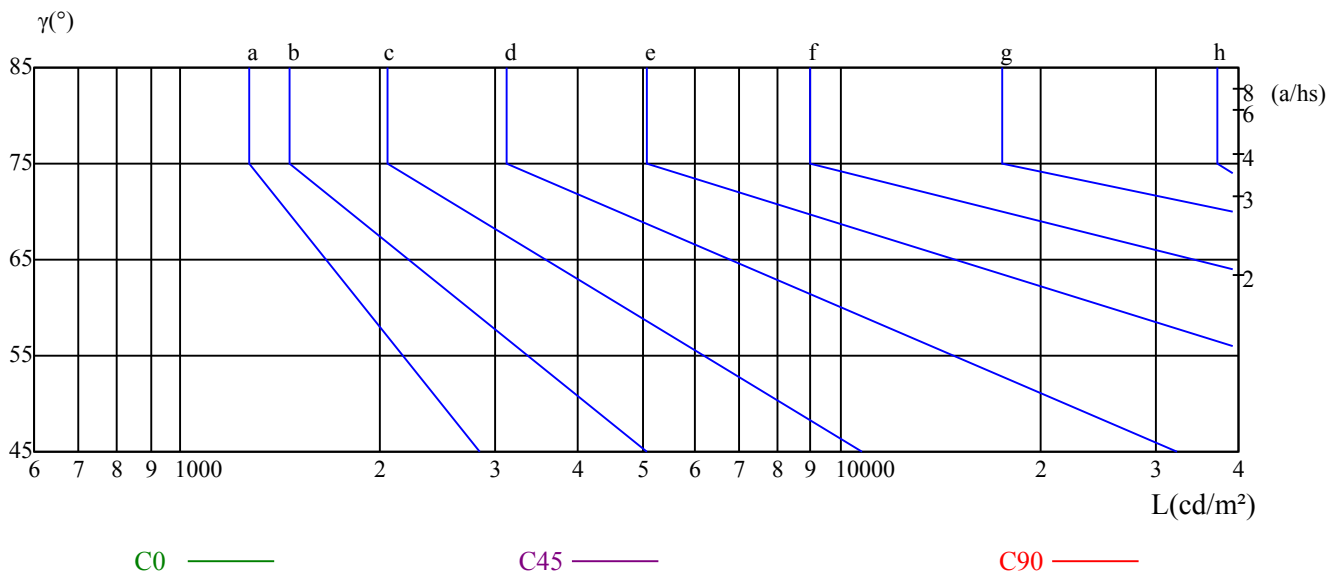
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

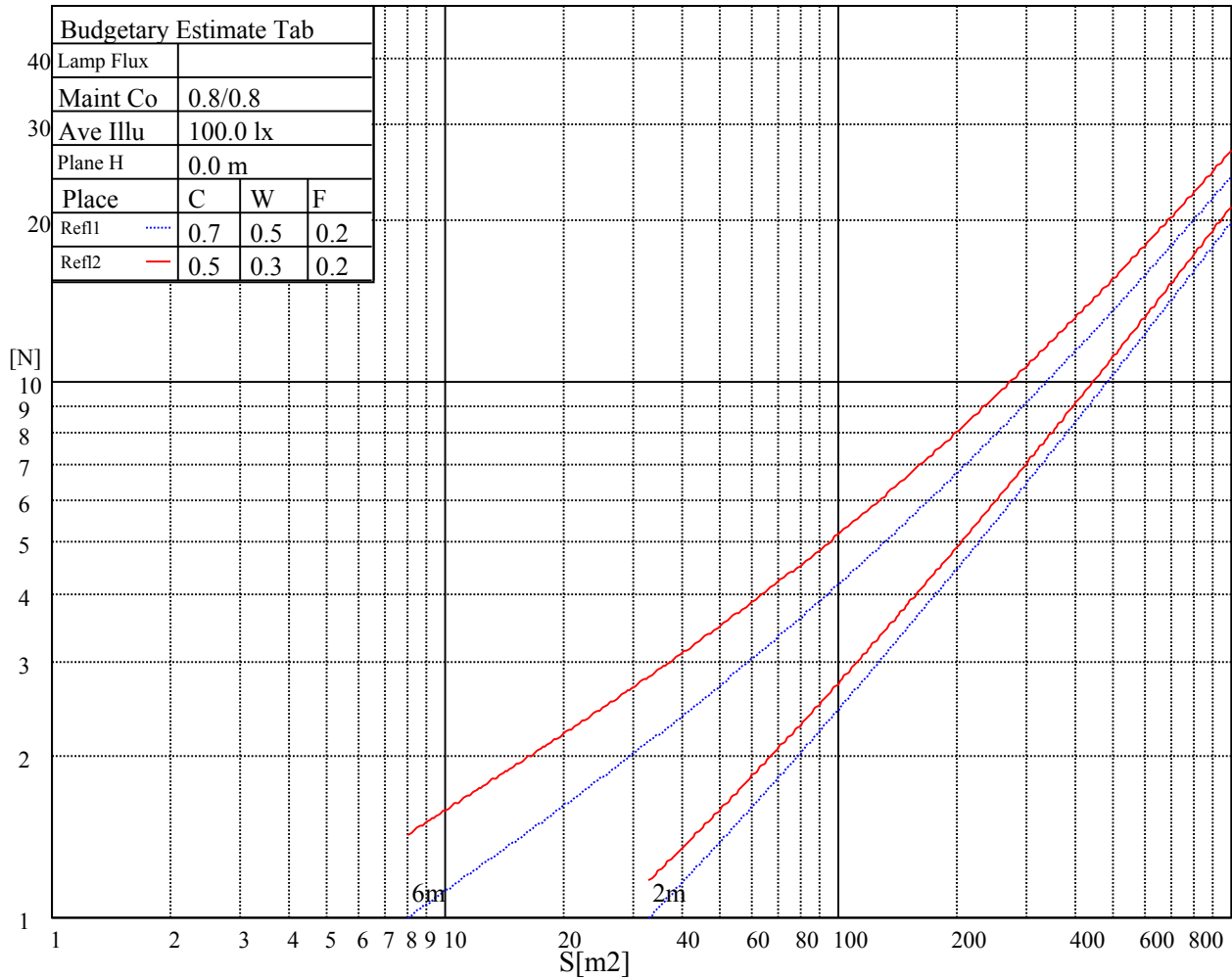
L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

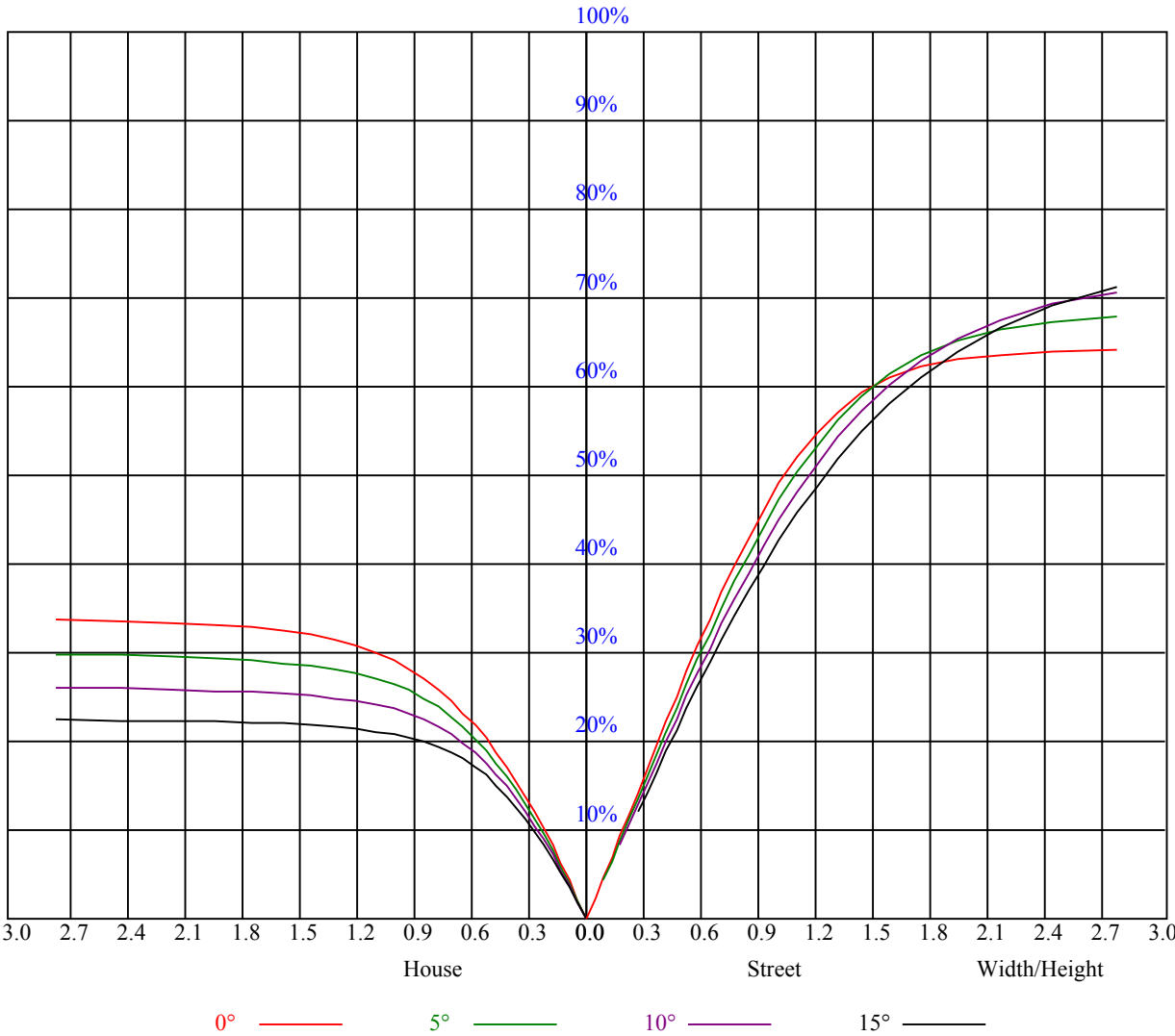
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	0.97	0.94	0.97	0.94	0.91	0.93	0.90	0.88	0.89	0.87	0.85	0.83
2	0.90	0.82	0.77	0.88	0.81	0.76	0.84	0.78	0.74	0.81	0.76	0.72	0.77	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	0.59	0.67	0.63	0.58	0.56
4	0.68	0.59	0.52	0.67	0.58	0.51	0.64	0.56	0.50	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	0.54	0.48	0.42	0.53	0.47	0.42	0.39
6	0.53	0.44	0.37	0.52	0.43	0.37	0.50	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	0.45	0.38	0.32	0.44	0.37	0.32	0.42	0.36	0.31	0.29
8	0.43	0.34	0.28	0.43	0.34	0.28	0.41	0.33	0.28	0.40	0.33	0.28	0.39	0.32	0.28	0.26
9	0.39	0.31	0.25	0.39	0.31	0.25	0.38	0.30	0.25	0.36	0.30	0.25	0.35	0.29	0.24	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)

Page: 18 Total:24

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	1382.80	1400.54	1401.42	1401.20	1401.42	1403.17	1405.14	1406.46	1408.21
22.5	1382.80	1390.47	1396.38	1405.80	1415.00	1421.79	1431.65	1439.53	1449.17
45.0	1382.80	1399.23	1412.81	1426.83	1439.09	1454.43	1468.44	1486.19	1500.86
67.5	1382.80	1399.67	1418.28	1435.59	1452.24	1469.76	1488.60	1510.94	1529.34
90.0	1382.80	1403.39	1422.88	1440.85	1458.59	1480.27	1499.11	1522.33	1541.82
112.5	1382.80	1399.67	1418.28	1435.59	1452.24	1469.76	1488.60	1510.94	1529.34
135.0	1382.80	1399.23	1412.81	1426.83	1439.09	1454.43	1468.44	1486.19	1500.86
157.5	1382.80	1390.47	1396.38	1405.80	1415.00	1421.79	1431.65	1439.53	1449.17
180.0	1382.80	1400.54	1401.42	1401.20	1401.42	1403.17	1405.14	1406.46	1408.21
202.5	1382.80	1372.29	1365.06	1357.61	1353.01	1347.32	1342.93	1339.21	1333.52
225.0	1382.80	1376.45	1363.74	1353.23	1342.28	1331.54	1318.84	1308.33	1297.16
247.5	1382.80	1366.81	1351.92	1337.46	1323.66	1307.89	1295.18	1281.38	1267.59
270.0	1382.80	1365.06	1349.73	1335.93	1320.37	1302.41	1288.39	1272.40	1259.26
292.5	1382.80	1366.81	1351.92	1337.46	1323.66	1307.89	1295.18	1281.38	1267.59
315.0	1382.80	1376.45	1363.74	1353.23	1342.28	1331.54	1318.84	1308.33	1297.16
337.5	1382.80	1372.29	1365.06	1357.61	1353.01	1347.32	1342.93	1339.21	1333.52
360.0	1382.80	1400.54	1401.42	1401.20	1401.42	1403.17	1405.14	1406.46	1408.21
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1411.49	1413.47	1418.50	1422.23	1425.73	1428.36	1431.87	1435.15	1441.50
22.5	1460.34	1468.44	1476.33	1487.06	1495.17	1505.02	1514.22	1524.30	1535.69
45.0	1515.32	1527.59	1544.45	1558.03	1573.36	1588.92	1606.44	1620.68	1637.98
67.5	1545.55	1563.73	1586.95	1607.10	1628.34	1650.69	1678.07	1700.63	1724.50
90.0	1559.57	1587.38	1608.63	1633.38	1657.70	1680.48	1705.01	1741.81	1765.68
112.5	1545.55	1563.73	1586.95	1607.10	1628.34	1650.69	1678.07	1700.63	1724.50
135.0	1515.32	1527.59	1544.45	1558.03	1573.36	1588.92	1606.44	1620.68	1637.98
157.5	1460.34	1468.44	1476.33	1487.06	1495.17	1505.02	1514.22	1524.30	1535.69
180.0	1411.49	1413.47	1418.50	1422.23	1425.73	1428.36	1431.87	1435.15	1441.50
202.5	1329.79	1325.63	1321.91	1317.09	1314.02	1311.39	1307.67	1303.95	1300.88
225.0	1288.83	1279.63	1270.65	1262.11	1253.35	1246.34	1236.26	1228.16	1220.49
247.5	1255.10	1241.30	1228.81	1217.64	1207.57	1196.40	1184.35	1173.62	1165.73
270.0	1243.93	1231.66	1216.11	1205.60	1193.55	1181.94	1172.08	1163.32	1156.09
292.5	1255.10	1241.30	1228.81	1217.64	1207.57	1196.40	1184.35	1173.62	1165.73
315.0	1288.83	1279.63	1270.65	1262.11	1253.35	1246.34	1236.26	1228.16	1220.49
337.5	1329.79	1325.63	1321.91	1317.09	1314.02	1311.39	1307.67	1303.95	1300.88
360.0	1411.49	1413.47	1418.50	1422.23	1425.73	1428.36	1431.87	1435.15	1441.50
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1446.32	1451.36	1456.62	1461.87	1468.44	1474.58	1480.93	1488.16	1495.17
22.5	1547.08	1556.50	1568.11	1579.94	1591.55	1603.37	1616.08	1630.53	1641.27
45.0	1657.04	1675.22	1689.46	1710.05	1726.91	1744.00	1765.24	1783.86	1801.60
67.5	1748.82	1779.48	1804.67	1824.38	1848.48	1874.33	1897.32	1923.17	1946.17
90.0	1795.69	1823.29	1852.86	1877.39	1904.55	1929.96	1954.93	1977.06	2000.49
112.5	1748.82	1779.48	1804.67	1824.38	1848.48	1874.33	1897.32	1923.17	1946.17
135.0	1657.04	1675.22	1689.46	1710.05	1726.91	1744.00	1765.24	1783.86	1801.60
157.5	1547.08	1556.50	1568.11	1579.94	1591.55	1603.37	1616.08	1630.53	1641.27
180.0	1446.32	1451.36	1456.62	1461.87	1468.44	1474.58	1480.93	1488.16	1495.17
202.5	1296.28	1292.77	1289.71	1286.86	1283.36	1279.63	1275.69	1271.75	1268.46
225.0	1212.61	1204.72	1196.40	1188.29	1181.72	1173.62	1166.61	1158.72	1151.93
247.5	1157.63	1148.65	1142.08	1135.94	1130.03	1122.80	1115.57	1109.44	1103.96
270.0	1147.11	1141.20	1135.28	1128.71	1121.05	1113.16	1106.81	1100.46	1093.89
292.5	1157.63	1148.65	1142.08	1135.94	1130.03	1122.80	1115.57	1109.44	1103.96
315.0	1212.61	1204.72	1196.40	1188.29	1181.72	1173.62	1166.61	1158.72	1151.93
337.5	1296.28	1292.77	1289.71	1286.86	1283.36	1279.63	1275.69	1271.75	1268.46
360.0	1446.32	1451.36	1456.62	1461.87	1468.44	1474.58	1480.93	1488.16	1495.17

Equipment:
Temperature(°C): 25.3

Date: 2018-9-13
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	1502.18	1509.84	1518.17	1524.30	1535.03	1543.36	1552.78	1562.41	1572.93
22.5	1655.29	1669.74	1684.42	1700.19	1712.46	1726.25	1738.30	1754.73	1761.08
45.0	1818.47	1838.18	1858.34	1876.30	1898.64	1912.00	1931.50	1948.80	1967.64
67.5	1967.64	1986.91	2006.63	2023.05	2039.48	2062.26	2081.98	2104.10	2123.37
90.0	2021.08	2039.04	2065.33	2085.26	2104.32	2127.54	2151.85	2174.85	2189.96
112.5	1967.64	1986.91	2006.63	2023.05	2039.48	2062.26	2081.98	2104.10	2123.37
135.0	1818.47	1838.18	1858.34	1876.30	1898.64	1912.00	1931.50	1948.80	1967.64
157.5	1655.29	1669.74	1684.42	1700.19	1712.46	1726.25	1738.30	1754.73	1761.08
180.0	1502.18	1509.84	1518.17	1524.30	1535.03	1543.36	1552.78	1562.41	1572.93
202.5	1263.42	1259.70	1255.10	1251.60	1247.65	1243.27	1241.30	1238.23	1234.07
225.0	1146.02	1140.76	1134.85	1127.40	1121.27	1115.35	1109.44	1102.21	1094.98
247.5	1097.39	1088.63	1082.06	1075.27	1067.82	1058.84	1049.86	1041.32	1030.15
270.0	1086.00	1078.99	1070.67	1062.78	1053.14	1044.82	1034.96	1022.04	1011.53
292.5	1097.39	1088.63	1082.06	1075.27	1067.82	1058.84	1049.86	1041.32	1030.15
315.0	1146.02	1140.76	1134.85	1127.40	1121.27	1115.35	1109.44	1102.21	1094.98
337.5	1263.42	1259.70	1255.10	1251.60	1247.65	1243.27	1241.30	1238.23	1234.07
360.0	1502.18	1509.84	1518.17	1524.30	1535.03	1543.36	1552.78	1562.41	1572.93
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1581.69	1588.26	1595.27	1600.74	1606.00	1611.70	1617.17	1626.59	1638.86
22.5	1768.97	1778.82	1790.65	1806.20	1820.88	1841.25	1859.21	1879.58	1902.36
45.0	1988.45	2007.28	2027.22	2045.40	2070.15	2096.43	2121.84	2149.22	2176.60
67.5	2142.65	2161.93	2177.48	2193.03	2205.08	2212.30	2216.25	2217.56	2210.77
90.0	2202.89	2207.70	2214.49	2215.15	2209.68	2196.97	2180.76	2161.05	2136.74
112.5	2142.65	2161.93	2177.48	2193.03	2205.08	2212.30	2216.25	2217.56	2210.77
135.0	1988.45	2007.28	2027.22	2045.40	2070.15	2096.43	2121.84	2149.22	2176.60
157.5	1768.97	1778.82	1790.65	1806.20	1820.88	1841.25	1859.21	1879.58	1902.36
180.0	1581.69	1588.26	1595.27	1600.74	1606.00	1611.70	1617.17	1626.59	1638.86
202.5	1228.60	1222.46	1217.64	1212.83	1206.25	1201.00	1194.21	1187.64	1178.44
225.0	1088.19	1079.65	1070.89	1061.91	1050.52	1038.25	1025.33	1009.99	990.94
247.5	1020.07	1009.99	992.03	980.64	965.53	947.13	925.23	902.66	883.61
270.0	1002.11	990.06	972.98	954.58	936.83	918.43	890.84	866.30	829.29
292.5	1020.07	1009.99	992.03	980.64	965.53	947.13	925.23	902.66	883.61
315.0	1088.19	1079.65	1070.89	1061.91	1050.52	1038.25	1025.33	1009.99	990.94
337.5	1228.60	1222.46	1217.64	1212.83	1206.25	1201.00	1194.21	1187.64	1178.44
360.0	1581.69	1588.26	1595.27	1600.74	1606.00	1611.70	1617.17	1626.59	1638.86
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	1650.47	1660.98	1673.03	1689.89	1703.47	1718.59	1732.83	1749.91	1772.47
22.5	1920.54	1942.23	1966.32	1989.98	2025.03	2052.84	2082.41	2103.22	2146.59
45.0	2205.51	2227.86	2249.76	2271.45	2294.66	2311.97	2320.07	2329.05	2331.24
67.5	2199.38	2181.20	2154.70	2124.91	2088.98	2036.20	1974.87	1908.50	1825.26
90.0	2089.42	2058.54	2002.03	1951.65	1879.36	1807.08	1726.69	1631.85	1531.97
112.5	2199.38	2181.20	2154.70	2124.91	2088.98	2036.20	1974.87	1908.50	1825.26
135.0	2205.51	2227.86	2249.76	2271.45	2294.66	2311.97	2320.07	2329.05	2331.24
157.5	1920.54	1942.23	1966.32	1989.98	2025.03	2052.84	2082.41	2103.22	2146.59
180.0	1650.47	1660.98	1673.03	1689.89	1703.47	1718.59	1732.83	1749.91	1772.47
202.5	1169.02	1162.45	1153.25	1139.67	1127.18	1112.94	1097.83	1077.02	1059.06
225.0	970.35	954.36	932.67	894.12	877.47	851.63	820.74	780.44	740.57
247.5	862.36	823.15	781.32	749.12	711.22	679.46	642.66	589.00	544.53
270.0	783.94	757.00	730.28	688.88	652.52	603.89	563.15	523.29	484.52
292.5	862.36	823.15	781.32	749.12	711.22	679.46	642.66	589.00	544.53
315.0	970.35	954.36	932.67	894.12	877.47	851.63	820.74	780.44	740.57
337.5	1169.02	1162.45	1153.25	1139.67	1127.18	1112.94	1097.83	1077.02	1059.06
360.0	1650.47	1660.98	1673.03	1689.89	1703.47	1718.59	1732.83	1749.91	1772.47

Equipment:
Temperature(°C): 25.3

Date: 2018-9-13
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	1788.68	1812.56	1838.62	1858.34	1878.49	1904.55	1931.71	1951.43	1970.05
22.5	2175.51	2217.56	2252.39	2294.66	2336.06	2376.15	2410.97	2443.61	2481.94
45.0	2323.14	2311.09	2281.52	2246.91	2189.96	2129.29	2051.97	1956.68	1832.71
67.5	1721.87	1611.48	1482.46	1333.95	1174.27	1018.76	864.99	716.70	572.35
90.0	1392.88	1260.58	1119.73	948.22	806.29	668.73	526.79	422.31	339.29
112.5	1721.87	1611.48	1482.46	1333.95	1174.27	1018.76	864.99	716.70	572.35
135.0	2323.14	2311.09	2281.52	2246.91	2189.96	2129.29	2051.97	1956.68	1832.71
157.5	2175.51	2217.56	2252.39	2294.66	2336.06	2376.15	2410.97	2443.61	2481.94
180.0	1788.68	1812.56	1838.62	1858.34	1878.49	1904.55	1931.71	1951.43	1970.05
202.5	1036.06	1007.15	974.51	942.97	908.36	867.40	821.18	771.68	702.46
225.0	705.53	662.82	608.93	568.19	524.38	481.45	440.93	403.91	370.83
247.5	509.05	474.22	430.85	388.14	358.57	331.41	303.15	277.09	259.34
270.0	447.06	408.51	373.46	330.53	308.63	290.23	270.73	254.31	238.97
292.5	509.05	474.22	430.85	388.14	358.57	331.41	303.15	277.09	259.34
315.0	705.53	662.82	608.93	568.19	524.38	481.45	440.93	403.91	370.83
337.5	1036.06	1007.15	974.51	942.97	908.36	867.40	821.18	771.68	702.46
360.0	1788.68	1812.56	1838.62	1858.34	1878.49	1904.55	1931.71	1951.43	1970.05
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	1981.66	1986.47	1978.37	1955.15	1904.55	1846.07	1765.68	1663.61	1503.71
22.5	2512.61	2532.98	2538.02	2532.76	2505.16	2440.33	2349.86	2225.45	2066.86
45.0	1699.97	1532.19	1360.02	1177.56	958.96	748.46	581.33	436.33	315.20
67.5	428.66	340.61	278.62	239.41	215.10	198.67	188.37	179.61	172.38
90.0	281.25	233.93	212.03	199.11	196.04	189.69	178.96	167.78	157.05
112.5	428.66	340.61	278.62	239.41	215.10	198.67	188.37	179.61	172.38
135.0	1699.97	1532.19	1360.02	1177.56	958.96	748.46	581.33	436.33	315.20
157.5	2512.61	2532.98	2538.02	2532.76	2505.16	2440.33	2349.86	2225.45	2066.86
180.0	1981.66	1986.47	1978.37	1955.15	1904.55	1846.07	1765.68	1663.61	1503.71
202.5	661.50	607.84	547.38	492.62	440.05	380.47	334.69	288.26	253.87
225.0	332.72	303.59	281.03	262.19	243.13	225.61	213.56	202.83	193.19
247.5	243.13	227.80	214.88	201.74	190.56	174.79	163.62	152.45	141.28
270.0	221.67	201.30	181.37	161.43	143.69	127.26	113.02	99.66	85.21
292.5	243.13	227.80	214.88	201.74	190.56	174.79	163.62	152.45	141.28
315.0	332.72	303.59	281.03	262.19	243.13	225.61	213.56	202.83	193.19
337.5	661.50	607.84	547.38	492.62	440.05	380.47	334.69	288.26	253.87
360.0	1981.66	1986.47	1978.37	1955.15	1904.55	1846.07	1765.68	1663.61	1503.71
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1367.69	1180.63	1002.11	816.80	619.88	424.28	308.19	209.40	140.40
22.5	1838.84	1595.27	1349.07	1067.60	804.10	532.92	353.53	228.02	145.66
45.0	229.55	183.12	157.05	143.25	131.42	121.79	112.37	102.07	90.03
67.5	167.57	162.97	152.23	135.15	120.47	106.89	96.38	88.27	80.61
90.0	143.47	134.27	125.73	120.47	112.37	103.17	92.43	84.11	77.10
112.5	167.57	162.97	152.23	135.15	120.47	106.89	96.38	88.27	80.61
135.0	229.55	183.12	157.05	143.25	131.42	121.79	112.37	102.07	90.03
157.5	1838.84	1595.27	1349.07	1067.60	804.10	532.92	353.53	228.02	145.66
180.0	1367.69	1180.63	1002.11	816.80	619.88	424.28	308.19	209.40	140.40
202.5	224.74	198.45	178.30	163.40	149.60	138.00	129.01	120.91	109.52
225.0	184.21	175.89	166.69	158.59	149.39	140.62	130.11	119.38	108.64
247.5	128.80	117.62	106.67	96.38	85.43	75.79	65.93	57.39	50.38
270.0	72.72	57.17	43.37	30.67	20.15	10.73	6.13	3.72	2.19
292.5	128.80	117.62	106.67	96.38	85.43	75.79	65.93	57.39	50.38
315.0	184.21	175.89	166.69	158.59	149.39	140.62	130.11	119.38	108.64
337.5	224.74	198.45	178.30	163.40	149.60	138.00	129.01	120.91	109.52
360.0	1367.69	1180.63	1002.11	816.80	619.88	424.28	308.19	209.40	140.40

Equipment:
Temperature(°C): 25.3

Date: 2018-9-13
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

Page: 21 Total:24

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	93.97	72.50	59.14	46.22	37.24	30.23	23.00	17.74	13.80
22.5	104.26	81.04	64.18	49.72	40.52	32.42	26.72	21.47	18.84
45.0	80.39	69.87	59.58	49.50	41.84	35.05	28.26	22.78	19.93
67.5	70.75	60.02	51.04	43.15	36.58	31.54	26.28	20.59	17.96
90.0	70.09	61.55	53.88	44.90	36.36	28.91	22.78	17.52	15.11
112.5	70.75	60.02	51.04	43.15	36.58	31.54	26.28	20.59	17.96
135.0	80.39	69.87	59.58	49.50	41.84	35.05	28.26	22.78	19.93
157.5	104.26	81.04	64.18	49.72	40.52	32.42	26.72	21.47	18.84
180.0	93.97	72.50	59.14	46.22	37.24	30.23	23.00	17.74	13.80
202.5	97.03	86.52	74.25	62.43	52.79	41.40	32.20	24.53	18.84
225.0	97.69	86.30	74.25	60.46	49.06	40.30	31.32	25.19	20.59
247.5	44.47	37.67	32.42	27.16	22.78	18.18	14.68	11.39	8.54
270.0	0.88	0.22	53.88	44.90	36.36	28.91	22.78	17.52	15.11
292.5	44.47	37.67	32.42	27.16	22.78	18.18	14.68	11.39	8.54
315.0	97.69	86.30	74.25	60.46	49.06	40.30	31.32	25.19	20.59
337.5	97.03	86.52	74.25	62.43	52.79	41.40	32.20	24.53	18.84
360.0	93.97	72.50	59.14	46.22	37.24	30.23	23.00	17.74	13.80
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	10.73	9.20	8.32	7.45	7.01	6.57	5.91	5.70	5.48
22.5	16.87	15.55	14.46	13.80	12.92	12.49	11.61	10.95	10.08
45.0	18.18	16.87	15.55	14.68	13.58	12.27	11.39	10.29	9.20
67.5	16.65	15.55	14.89	14.68	13.80	12.27	8.98	6.35	5.26
90.0	14.02	14.02	14.24	14.46	13.58	8.10	4.60	1.97	0.66
112.5	16.65	15.55	14.89	14.68	13.80	12.27	8.98	6.35	5.26
135.0	18.18	16.87	15.55	14.68	13.58	12.27	11.39	10.29	9.20
157.5	16.87	15.55	14.46	13.80	12.92	12.49	11.61	10.95	10.08
180.0	10.73	9.20	8.32	7.45	7.01	6.57	5.91	5.70	5.48
202.5	15.11	12.92	11.83	10.73	10.29	9.64	9.20	8.54	8.32
225.0	15.33	12.49	10.95	10.51	9.64	8.98	8.32	7.01	6.13
247.5	6.13	4.16	3.29	2.85	2.63	2.63	2.19	1.97	1.53
270.0	14.02	14.02	14.24	14.46	13.58	8.10	4.60	1.97	0.66
292.5	6.13	4.16	3.29	2.85	2.63	2.63	2.19	1.97	1.53
315.0	15.33	12.49	10.95	10.51	9.64	8.98	8.32	7.01	6.13
337.5	15.11	12.92	11.83	10.73	10.29	9.64	9.20	8.54	8.32
360.0	10.73	9.20	8.32	7.45	7.01	6.57	5.91	5.70	5.48
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	5.04	5.04	4.60	4.38	4.16	3.94	3.94	3.72	3.72
22.5	9.20	8.32	7.45	7.01	6.13	5.48	5.26	4.82	4.38
45.0	8.32	7.45	6.57	5.91	5.48	4.82	4.60	3.94	3.50
67.5	4.38	3.50	3.07	2.41	2.19	1.75	1.53	1.10	1.10
90.0	0.22	0.22	0.22	0.00	0.22	0.00	0.00	0.00	0.00
112.5	4.38	3.50	3.07	2.41	2.19	1.75	1.53	1.10	1.10
135.0	8.32	7.45	6.57	5.91	5.48	4.82	4.60	3.94	3.50
157.5	9.20	8.32	7.45	7.01	6.13	5.48	5.26	4.82	4.38
180.0	5.04	5.04	4.60	4.38	4.16	3.94	3.94	3.72	3.72
202.5	7.45	7.01	6.57	6.13	5.70	5.48	5.04	4.82	4.82
225.0	5.26	4.82	4.38	4.16	3.72	3.50	3.07	3.07	2.85
247.5	1.10	0.88	0.66	0.66	0.44	0.44	0.44	0.66	0.66
270.0	0.22	0.22	0.22	0.00	0.22	0.00	0.00	0.22	0.22
292.5	1.10	0.88	0.66	0.66	0.44	0.44	0.44	0.66	0.66
315.0	5.26	4.82	4.38	4.16	3.72	3.50	3.07	3.07	2.85
337.5	7.45	7.01	6.57	6.13	5.70	5.48	5.04	4.82	4.82
360.0	5.04	5.04	4.60	4.38	4.16	3.94	3.94	3.72	3.72

Equipment:
Temperature(°C): 25.3

Date: 2018-9-13
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	3.50	3.50	3.29	3.29	3.29	3.07	3.07	3.07	3.07
22.5	3.94	3.50	3.50	3.07	2.85	2.63	2.63	2.41	2.41
45.0	3.29	2.85	2.63	2.41	2.19	1.97	1.75	1.75	1.53
67.5	0.88	0.88	0.88	0.66	0.66	0.66	0.44	0.66	0.66
90.0	0.22	0.22	0.00	0.00	0.22	0.22	0.22	0.22	0.44
112.5	0.88	0.88	0.88	0.66	0.66	0.66	0.44	0.66	0.66
135.0	3.29	2.85	2.63	2.41	2.19	1.97	1.75	1.75	1.53
157.5	3.94	3.50	3.50	3.07	2.85	2.63	2.63	2.41	2.41
180.0	3.50	3.50	3.29	3.29	3.29	3.07	3.07	3.07	3.07
202.5	4.60	4.60	4.16	4.16	3.94	3.72	3.94	3.72	3.72
225.0	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	3.07
247.5	0.88	0.88	0.88	1.10	1.10	1.31	1.31	1.53	1.53
270.0	0.44	0.44	0.66	0.66	0.88	0.88	0.88	1.10	1.10
292.5	0.88	0.88	0.88	1.10	1.10	1.31	1.31	1.53	1.53
315.0	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	3.07
337.5	4.60	4.60	4.16	4.16	3.94	3.72	3.94	3.72	3.72
360.0	3.50	3.50	3.29	3.29	3.29	3.07	3.07	3.07	3.07
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	2.85	2.85	3.07	3.07	3.07	3.07	2.85	3.07	3.07
22.5	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	1.97
45.0	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53
67.5	0.66	0.66	0.88	0.66	0.88	0.88	0.88	0.88	0.88
90.0	0.22	0.44	0.66	0.66	0.44	0.44	0.88	0.88	0.66
112.5	0.66	0.66	0.88	0.66	0.88	0.88	0.88	0.88	0.88
135.0	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53
157.5	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	1.97
180.0	2.85	2.85	3.07	3.07	3.07	3.07	2.85	3.07	3.07
202.5	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72
225.0	3.07	3.07	3.07	3.07	3.29	3.29	3.50	3.50	3.50
247.5	1.75	1.97	1.97	2.19	2.41	2.41	2.63	2.63	2.63
270.0	1.31	1.53	1.75	1.75	1.75	1.97	2.19	2.41	2.41
292.5	1.75	1.97	1.97	2.19	2.41	2.41	2.63	2.63	2.63
315.0	3.07	3.07	3.07	3.07	3.29	3.29	3.50	3.50	3.50
337.5	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72
360.0	2.85	2.85	3.07	3.07	3.07	3.07	2.85	3.07	3.07
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	3.07	3.07	3.29	3.07	3.07	3.07	3.07	3.07	3.07
22.5	2.19	2.19	1.97	2.19	2.19	2.41	2.19	2.41	2.41
45.0	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
67.5	0.88	0.88	1.10	1.10	1.10	1.31	1.31	1.31	1.31
90.0	0.88	0.88	0.88	0.88	0.88	1.10	1.10	1.10	1.31
112.5	0.88	0.88	1.10	1.10	1.10	1.31	1.31	1.31	1.31
135.0	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
157.5	2.19	2.19	1.97	2.19	2.19	2.41	2.19	2.41	2.41
180.0	3.07	3.07	3.29	3.07	3.07	3.07	3.07	3.07	3.07
202.5	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72
225.0	3.50	3.50	3.72	3.72	3.72	3.72	3.72	3.72	3.72
247.5	2.85	2.85	3.07	3.29	3.07	3.29	3.29	3.50	3.29
270.0	2.63	2.85	2.85	3.07	3.07	3.50	3.29	3.50	3.29
292.5	2.85	2.85	3.07	3.29	3.07	3.29	3.29	3.50	3.29
315.0	3.50	3.50	3.72	3.72	3.72	3.72	3.72	3.72	3.72
337.5	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72
360.0	3.07	3.07	3.29	3.07	3.07	3.07	3.07	3.07	3.07

Equipment:
Temperature(°C): 25.3

Date: 2018-9-13
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

Page: 23 Total:24

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	3.07	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
22.5	2.41	2.19	2.41	2.41	2.41	2.19	2.41	2.41	2.41
45.0	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97
67.5	1.31	1.53	1.53	1.53	1.75	1.75	1.75	1.75	1.75
90.0	1.31	1.31	1.53	1.53	1.53	1.53	1.75	1.75	1.75
112.5	1.31	1.53	1.53	1.53	1.75	1.75	1.75	1.75	1.75
135.0	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97
157.5	2.41	2.19	2.41	2.41	2.41	2.19	2.41	2.41	2.41
180.0	3.07	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
202.5	3.50	3.50	3.50	3.50	3.50	3.29	3.29	3.29	3.29
225.0	3.94	3.94	3.72	3.94	3.72	3.72	3.72	3.72	3.72
247.5	3.50	3.50	3.50	3.50	3.72	3.72	3.72	3.72	3.72
270.0	3.50	3.72	3.72	3.94	3.72	3.72	3.72	3.72	3.94
292.5	3.50	3.50	3.50	3.50	3.72	3.72	3.72	3.72	3.72
315.0	3.94	3.94	3.72	3.94	3.72	3.72	3.72	3.72	3.72
337.5	3.50	3.50	3.50	3.50	3.50	3.29	3.29	3.29	3.29
360.0	3.07	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	2.63	2.85	2.63	2.63	2.85	2.63	2.63	2.63	2.63
22.5	2.19	2.41	2.19	2.41	2.41	2.41	2.41	2.41	2.41
45.0	2.19	2.19	2.19	1.97	2.19	2.19	2.19	2.19	2.41
67.5	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.97	1.97
90.0	1.75	1.75	1.97	1.75	1.97	1.75	1.97	1.97	1.97
112.5	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.97	1.97
135.0	2.19	2.19	2.19	1.97	2.19	2.19	2.19	2.19	2.41
157.5	2.19	2.41	2.19	2.41	2.41	2.41	2.41	2.41	2.41
180.0	2.63	2.85	2.63	2.63	2.85	2.63	2.63	2.63	2.63
202.5	3.29	3.07	3.07	3.07	3.07	3.07	2.85	3.07	2.85
225.0	3.72	3.50	3.50	3.50	3.50	3.50	3.50	3.29	3.50
247.5	3.72	3.72	3.72	3.50	3.50	3.50	3.50	3.50	3.72
270.0	3.72	3.72	3.72	3.94	3.72	3.72	3.50	3.72	3.72
292.5	3.72	3.72	3.72	3.50	3.50	3.50	3.50	3.50	3.72
315.0	3.72	3.50	3.50	3.50	3.50	3.50	3.50	3.29	3.50
337.5	3.29	3.07	3.07	3.07	3.07	3.07	2.85	3.07	2.85
360.0	2.63	2.85	2.63	2.63	2.85	2.63	2.63	2.63	2.63
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	2.63	2.63	2.63	2.63	2.63	2.63	2.41	2.63	2.41
22.5	2.41	2.41	2.41	2.41	2.19	2.41	2.19	2.19	2.41
45.0	2.19	2.19	2.19	2.41	2.19	2.19	2.41	2.19	2.41
67.5	1.97	1.97	1.97	1.97	2.19	1.97	1.97	1.97	1.97
90.0	1.97	1.97	1.97	1.97	1.97	1.97	2.19	2.19	2.19
112.5	1.97	1.97	1.97	1.97	2.19	1.97	1.97	1.97	1.97
135.0	2.19	2.19	2.19	2.41	2.19	2.19	2.41	2.19	2.41
157.5	2.41	2.41	2.41	2.41	2.19	2.41	2.19	2.19	2.41
180.0	2.63	2.63	2.63	2.63	2.63	2.63	2.41	2.63	2.41
202.5	2.85	2.85	2.85	2.85	2.85	2.63	2.85	2.63	2.63
225.0	3.50	3.29	3.29	3.29	3.29	3.29	3.07	3.07	3.07
247.5	3.50	3.50	3.50	3.50	3.29	3.29	3.29	3.07	3.07
270.0	3.50	3.72	3.50	3.50	3.72	3.50	3.29	3.29	3.29
292.5	3.50	3.50	3.50	3.50	3.29	3.29	3.29	3.07	3.07
315.0	3.50	3.29	3.29	3.29	3.29	3.29	3.07	3.07	3.07
337.5	2.85	2.85	2.85	2.85	2.85	2.63	2.85	2.63	2.63
360.0	2.63	2.63	2.63	2.63	2.63	2.63	2.41	2.63	2.41

Equipment:
Temperature(°C): 25.3

Date: 2018-9-13
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

Page: 24 Total:24

C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
22.5	2.19	2.41	2.19	2.19	2.41	2.41	2.41	2.19	2.19
45.0	2.19	2.19	2.41	2.41	2.41	2.41	2.41	2.41	2.19
67.5	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19
90.0	2.19	2.19	2.19	2.41	2.19	2.41	2.19	2.19	2.19
112.5	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19
135.0	2.19	2.19	2.41	2.41	2.41	2.41	2.41	2.41	2.19
157.5	2.19	2.41	2.19	2.19	2.41	2.41	2.41	2.19	2.19
180.0	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
202.5	2.63	2.41	2.63	2.63	2.41	2.41	2.41	2.41	2.41
225.0	3.07	3.07	2.85	2.85	2.85	2.85	2.63	2.85	2.63
247.5	3.07	3.07	3.07	2.85	2.85	2.63	2.85	2.63	2.63
270.0	3.29	3.29	3.29	3.07	3.07	2.85	2.85	2.85	2.85
292.5	3.07	3.07	3.07	2.85	2.85	2.63	2.85	2.63	2.63
315.0	3.07	3.07	2.85	2.85	2.85	2.85	2.63	2.85	2.63
337.5	2.63	2.41	2.63	2.63	2.41	2.41	2.41	2.41	2.41
360.0	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
22.5	2.19	2.19	2.19	2.19	2.19	2.41	2.41	2.41	2.41
45.0	2.19	2.19	2.41	2.19	2.41	2.41	2.41	2.63	2.41
67.5	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.41
90.0	2.19	2.19	2.19	2.19	2.19	2.41	2.19	2.63	2.41
112.5	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.41
135.0	2.19	2.19	2.41	2.19	2.41	2.41	2.41	2.63	2.41
157.5	2.19	2.19	2.19	2.19	2.19	2.41	2.41	2.41	2.41
180.0	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
202.5	2.41	2.41	2.41	2.19	2.41	2.41	2.41	2.19	2.41
225.0	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.41	2.41
247.5	2.63	2.41	2.63	2.41	2.41	2.41	2.41	2.41	2.41
270.0	2.63	2.63	2.63	2.85	2.63	2.63	2.63	2.63	2.63
292.5	2.63	2.41	2.63	2.41	2.41	2.41	2.41	2.41	2.41
315.0	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.41	2.41
337.5	2.41	2.41	2.41	2.19	2.41	2.41	2.41	2.19	2.41
360.0	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
C/γ(°)	180.0								
0.0	2.41								
22.5	2.41								
45.0	2.41								
67.5	2.41								
90.0	2.41								
112.5	2.41								
135.0	2.41								
157.5	2.41								
180.0	2.41								
202.5	2.41								
225.0	2.41								
247.5	2.41								
270.0	2.41								
292.5	2.41								
315.0	2.41								
337.5	2.41								
360.0	2.41								

Equipment:
Temperature(°C): 25.3

Date: 2018-9-13
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38