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Nata

LumCAT: 3-1917-E
Luminaire: 92.76.323.00
Report No: GC2017031105
Test No: NT-0010
LampCAT: PHILIPS SLM 1205 G6 L13
Lamp flux(lm): 2757.0
Number of Lamps: 1
Length(mm): 84
Phm Type: C

Voltage(V): 36.5000
Current(A): 0.6000
Power (W): 21.9000
PF: 0.0000
Ballast type: DC
Width(mm): 84
Height(mm): 0

Photometric Results

Lumens(lm): 2564.78
Efficiency(%): 93.03%
Lumens(lm)/Power(W): 117.11
Central intensity(cd): 9481.813
Maximum intensity(cd): 9481.813
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=24.2
 [C90/270]Total=24.2
Field angle(10%Imax): [C0/180]Total=58.0
 [C90/270]Total=58.0
Maximum s/h(1/2): C0_180=0.41 C90_270=0.41
Maximum s/h(1/4): C0_180=0.41 C90_270=0.41
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.03%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.700%

Equipment: gms1980
Temperature(°C): 25.0

Date: 2017/3/11
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.42

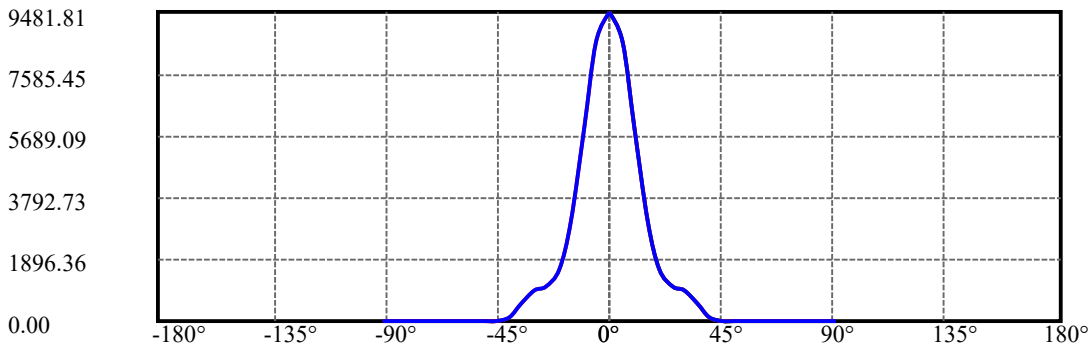
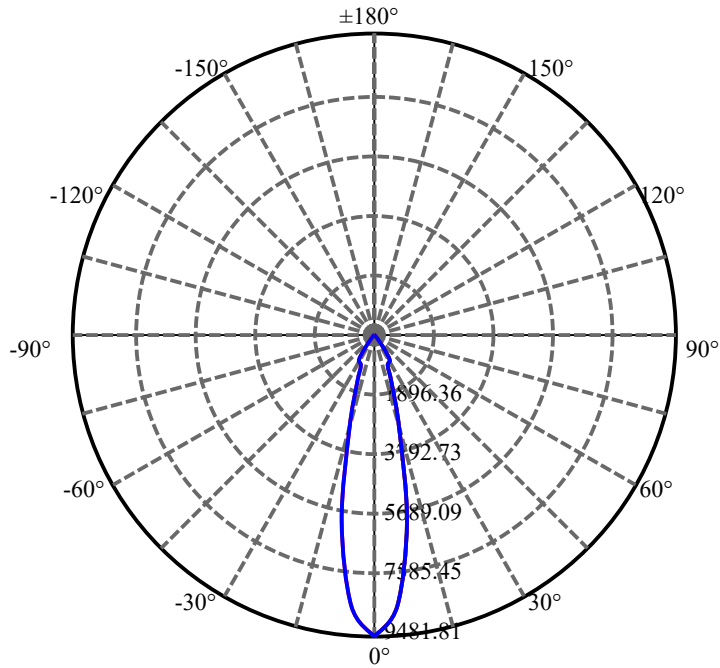
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9481.813	0.000	0	.000%	.000%
5.0	8563.954	215.732	215.732	7.825%	8.411%
10.0	5939.760	518.844	734.576	18.819%	28.641%
15.0	3054.254	533.519	1268.094	19.351%	49.443%
20.0	1591.681	382.890	1650.985	13.888%	64.371%
25.0	1064.956	278.632	1929.617	10.106%	75.235%
30.0	919.875	251.182	2180.799	9.111%	85.029%
35.0	509.850	210.537	2391.336	7.636%	93.238%
40.0	100.437	101.822	2493.158	3.693%	97.208%
45.0	16.290	21.613	2514.77	.784%	98.050%
50.0	12.801	5.878	2520.649	.213%	98.279%
55.0	11.961	5.384	2526.033	.195%	98.489%
60.0	11.417	5.404	2531.436	.196%	98.700%
65.0	11.011	5.452	2536.889	.198%	98.913%
70.0	10.736	5.507	2542.395	.200%	99.127%
75.0	10.516	5.555	2547.95	.201%	99.344%
80.0	10.426	5.604	2553.554	.203%	99.562%
85.0	10.302	5.632	2559.186	.204%	99.782%
90.0	10.117	5.591	2564.777	.203%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2180.80	79.10%	85.03%
0-40	2493.16	90.43%	97.21%
0-60	2531.44	91.82%	98.70%
0-90	2559.19	92.83%	99.78%
0-120	2559.19	92.83%	99.78%
0-180	2564.78	93.03%	100.00%
60-90	33.15	1.20%	1.29%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.43	2051.82	74.42%	80.00%

ZONAL LUMEN SUMMARY

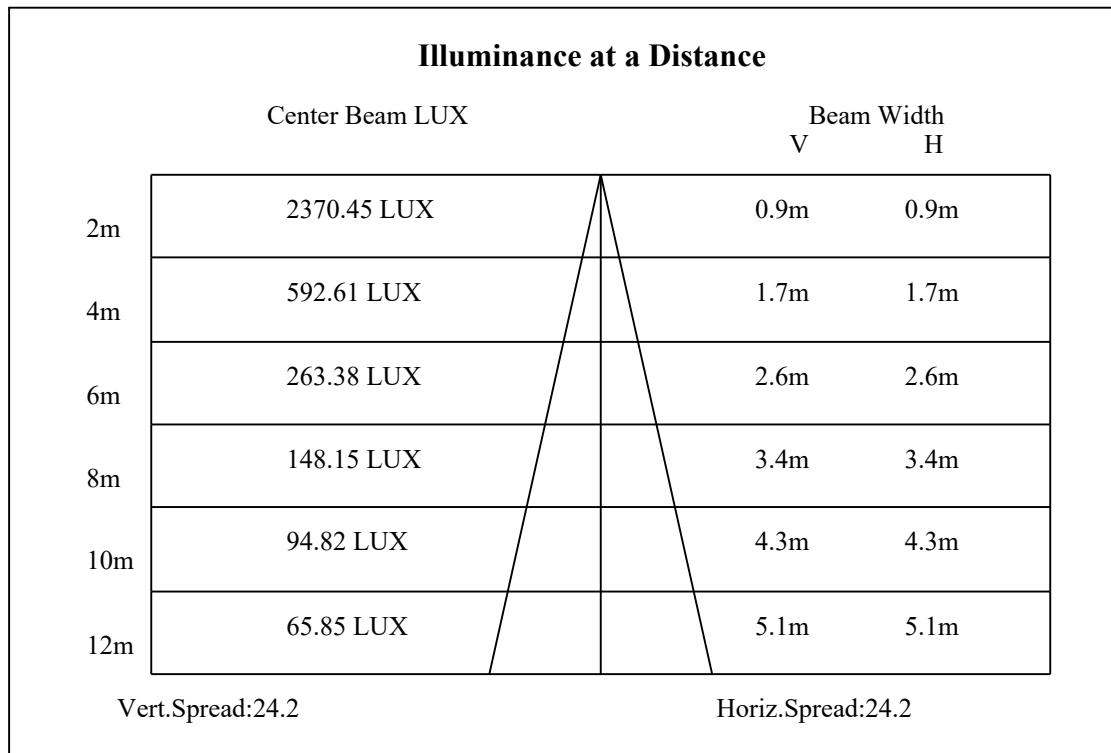
0-10	734.58
10-20	916.41
20-30	529.81
30-40	312.36
40-50	27.49
50-60	10.79
60-70	10.96
70-80	11.16
80-90	5.63
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

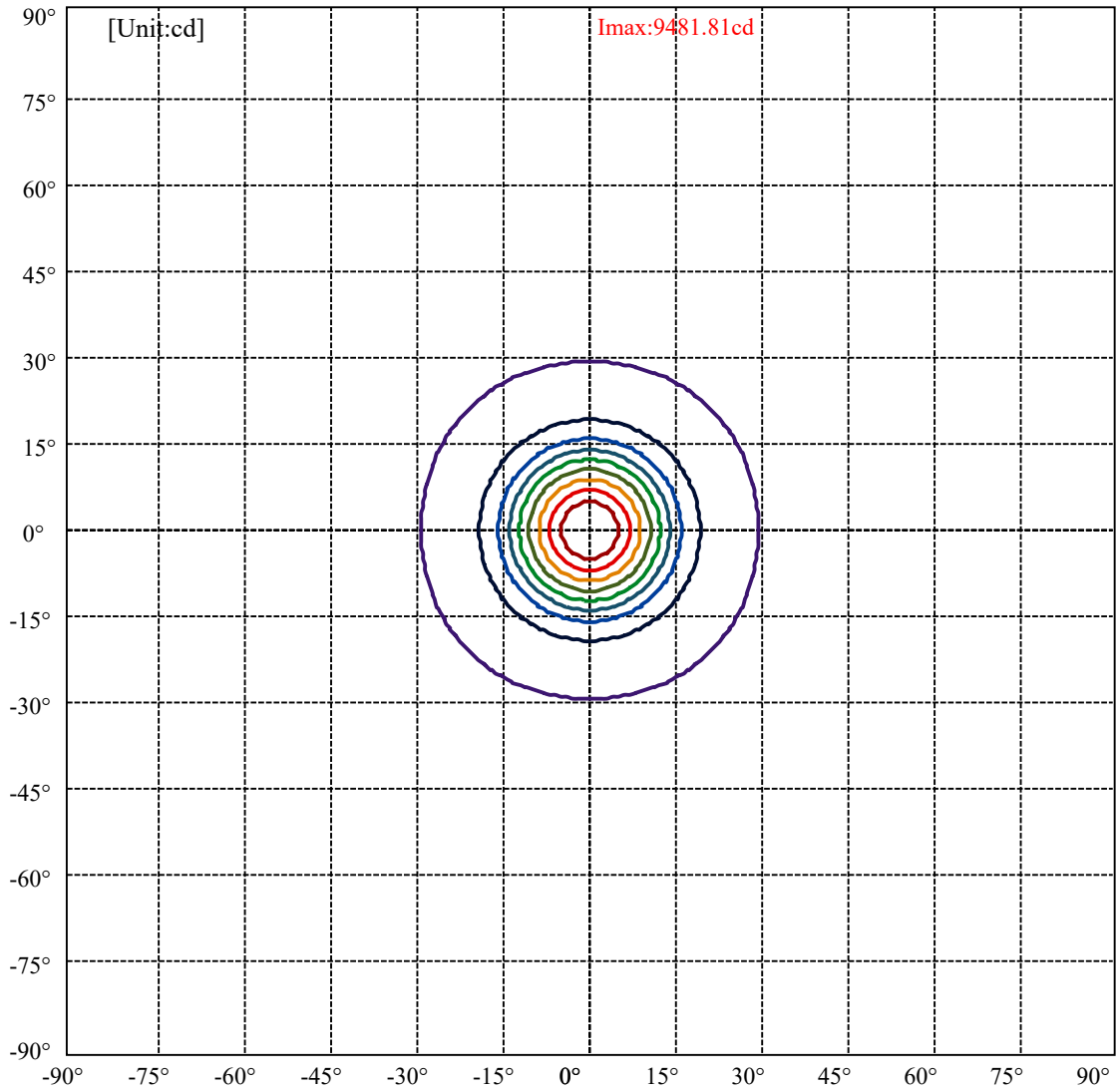


C0(Max): ———
C0/C180: ———
C90/C270: ———

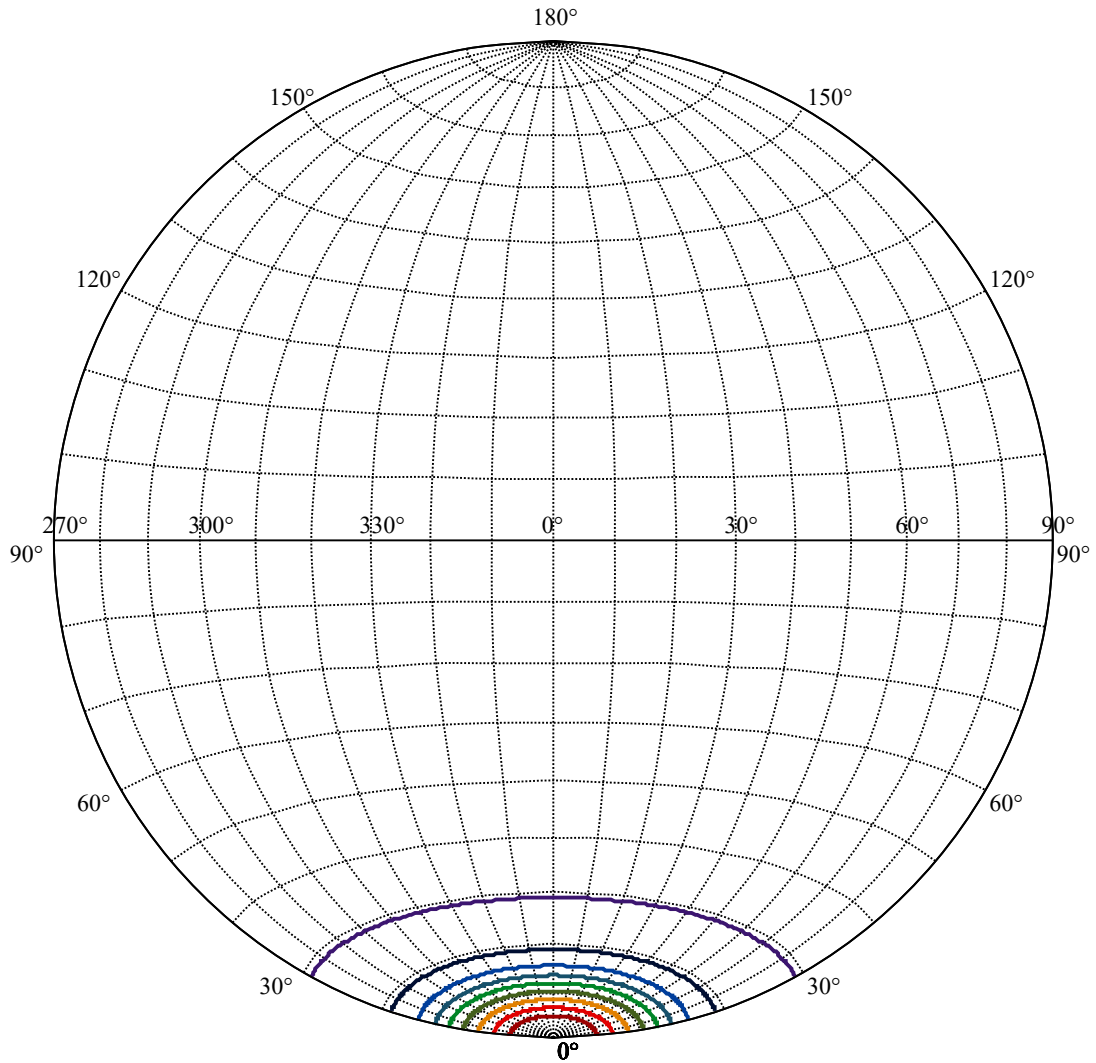
Field angle(10%Imax):C0/180Left:29.0 Right:29.0
:C90/270Left:29.0 Right:29.0

Beam Angle(50%Imax):C0/180Left:12.1 Right:12.1
:C90/270Left:12.1 Right:12.1



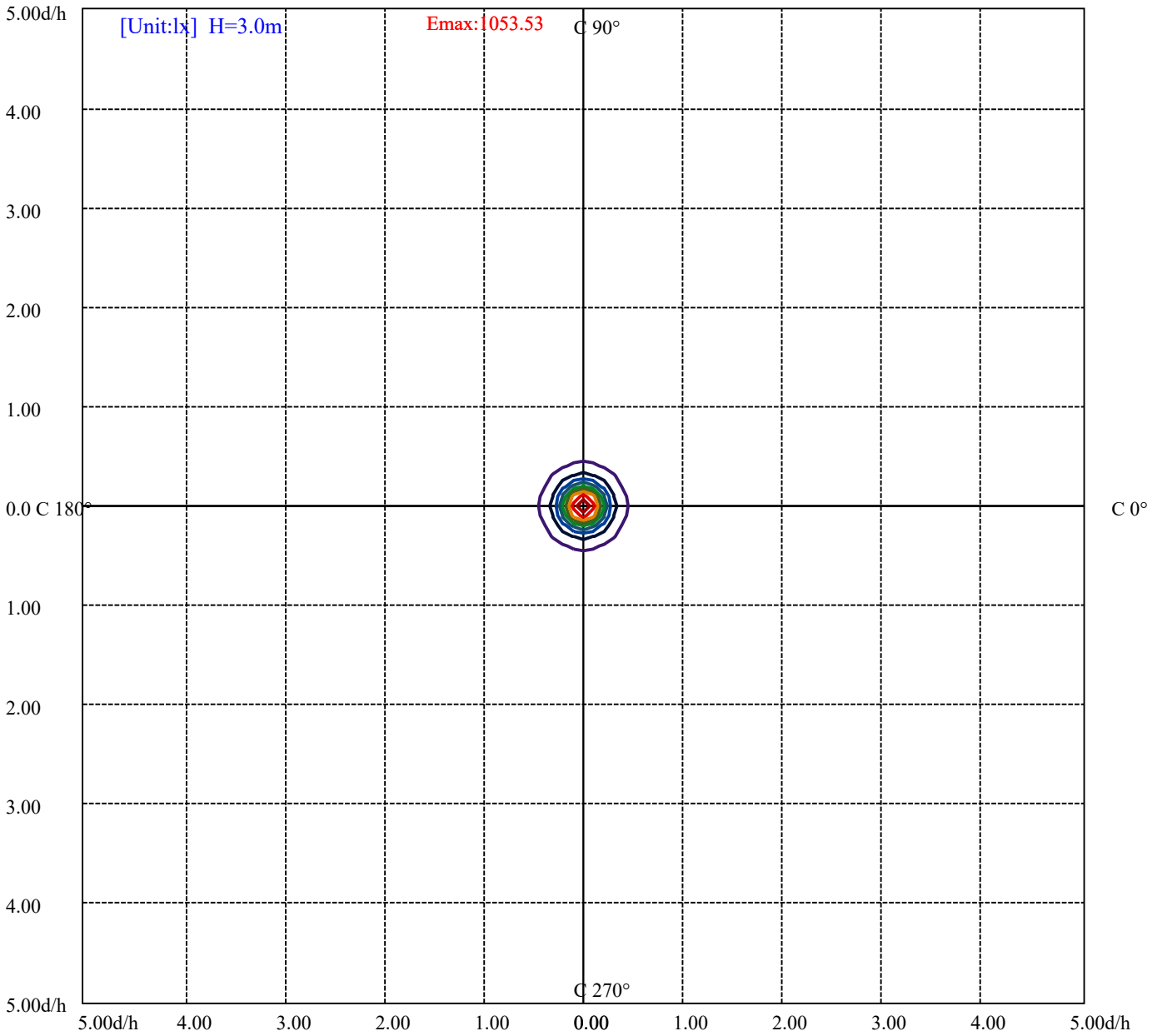


(10%Imax) 948.181	—
(20%Imax) 1896.36	—
(30%Imax) 2844.54	—
(40%Imax) 3792.73	—
(50%Imax) 4740.91	—
(60%Imax) 5689.09	—
(70%Imax) 6637.27	—
(80%Imax) 7585.45	—
(90%Imax) 8533.63	—

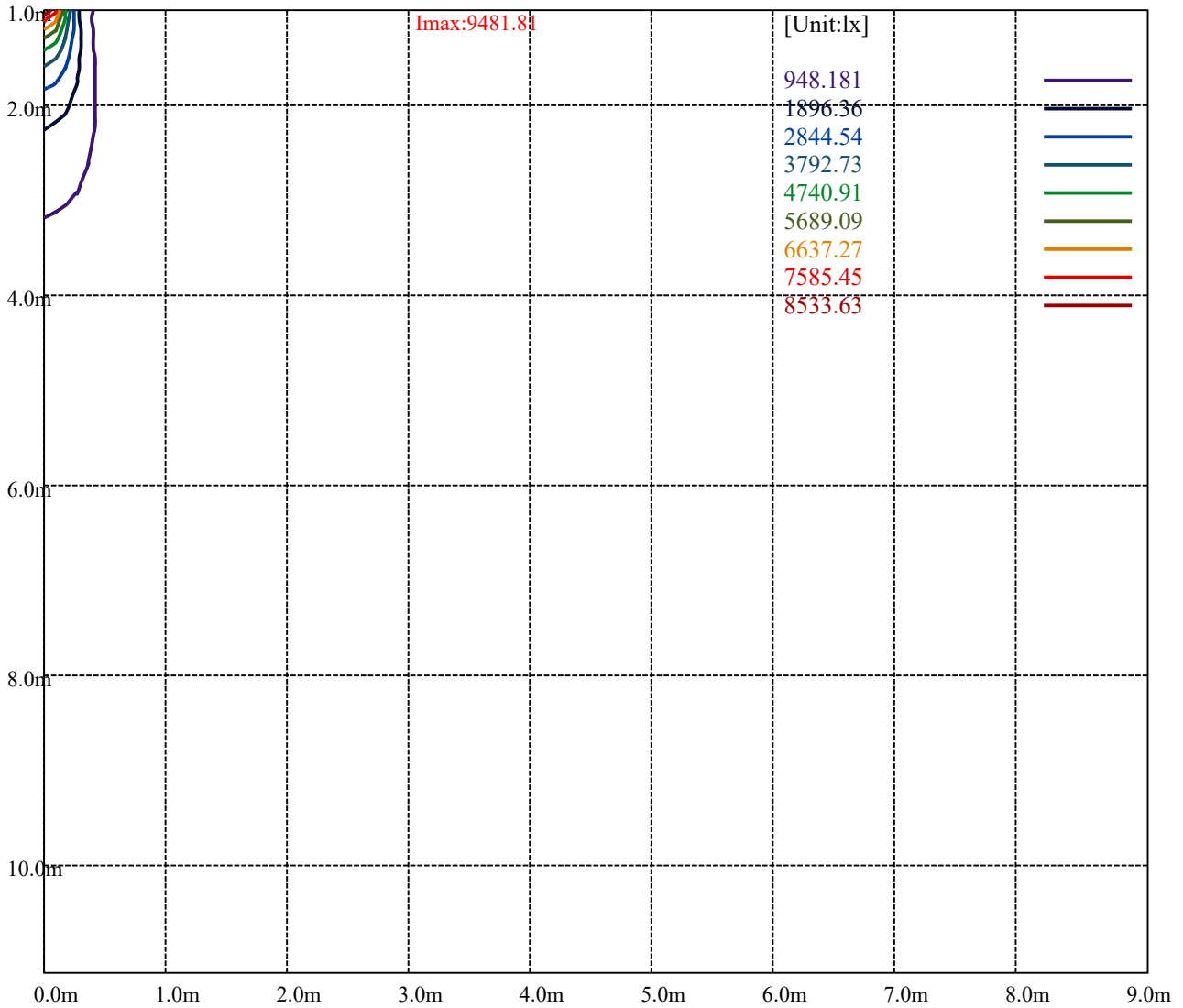


I_{max}:9481.81

(10%I _{max}) 948.181	—
(20%I _{max}) 1896.36	—
(30%I _{max}) 2844.54	—
(40%I _{max}) 3792.73	—
(50%I _{max}) 4740.91	—
(60%I _{max}) 5689.09	—
(70%I _{max}) 6637.27	—
(80%I _{max}) 7585.45	—
(90%I _{max}) 8533.63	—



- (10%Emax) 105.3532
- (20%Emax) 210.7067
- (30%Emax) 316.06
- (40%Emax) 421.4122
- (50%Emax) 526.7656
- (60%Emax) 632.1189
- (70%Emax) 737.4722
- (80%Emax) 842.8256
- (90%Emax) 948.179



Luminance Table

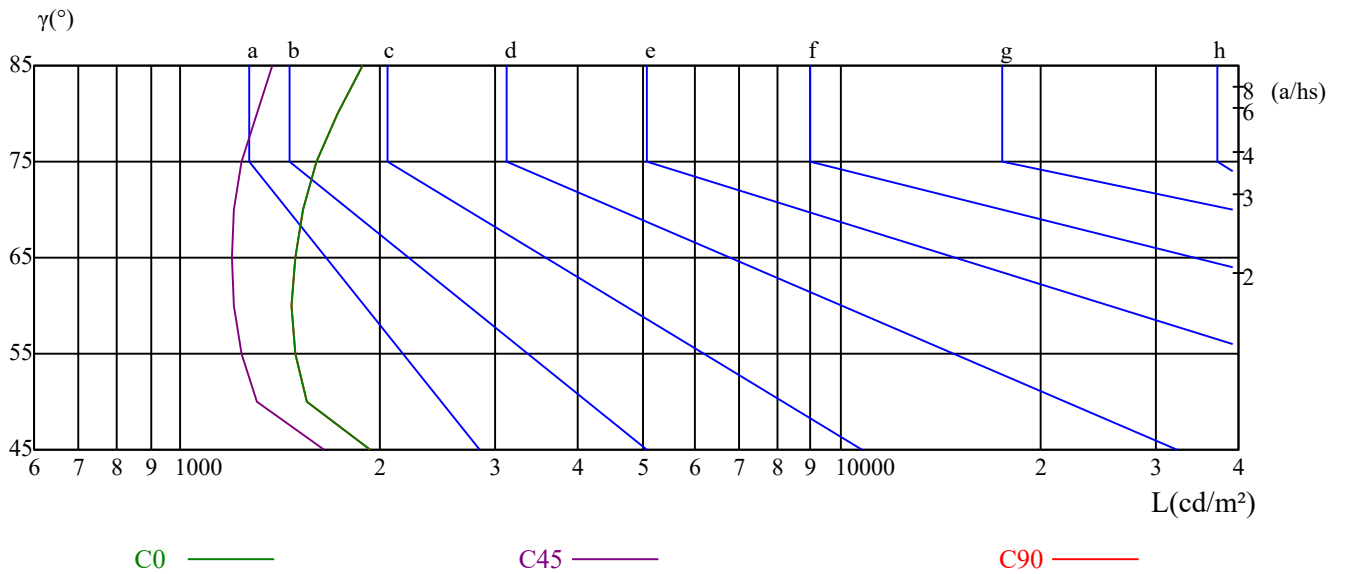
γ	45	50	55	60	65	70	75	80	85
C0	1931	1548	1488	1474	1489	1536	1610	1731	1884
C45	1652	1304	1234	1202	1193	1208	1240	1302	1378
C90	1931	1548	1488	1474	1489	1536	1610	1731	1884

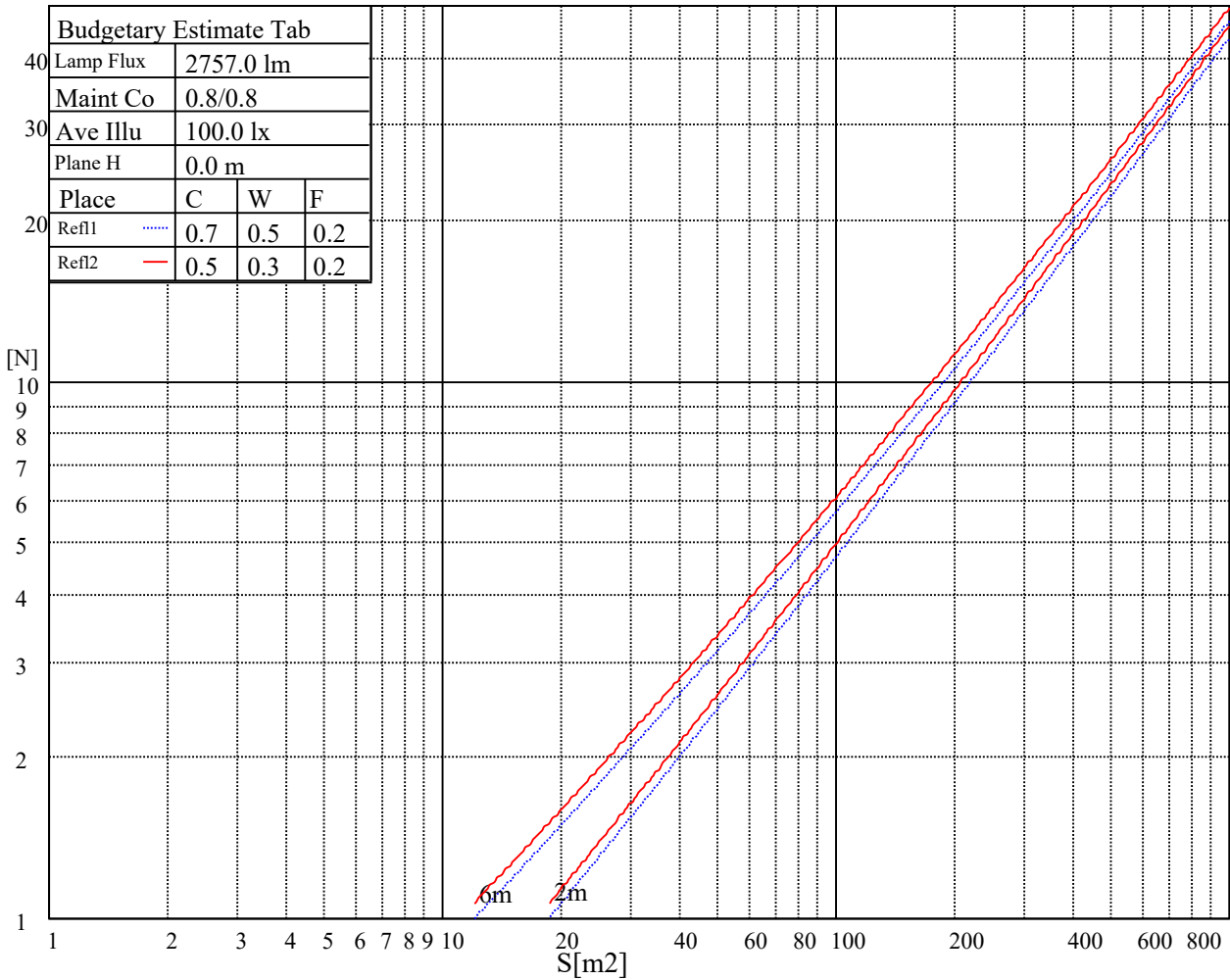
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3693	3693	3693	5758	5758	5758	16753	16753	16753

Glare Table

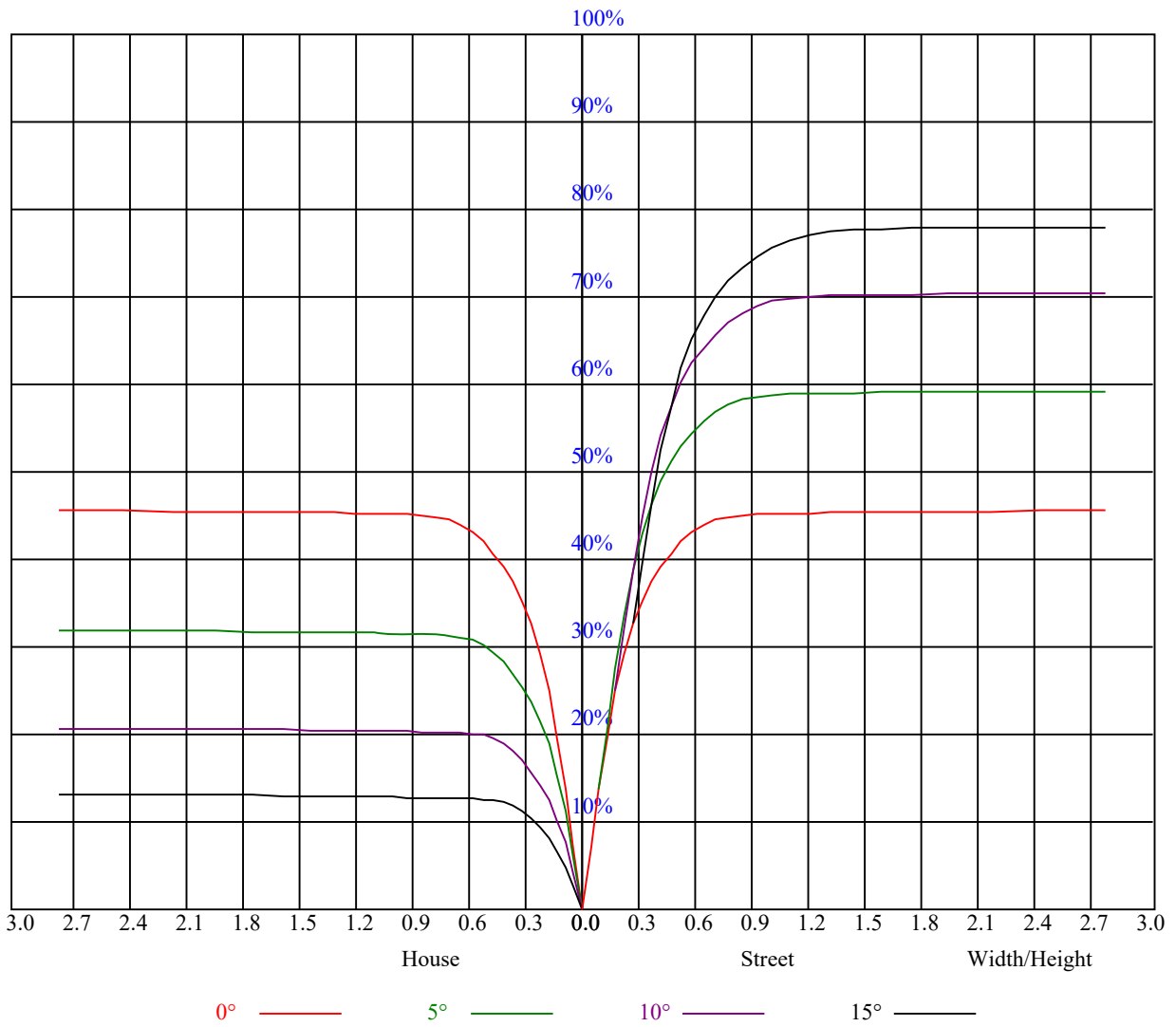
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.95	0.92	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.88	0.89	0.87	0.86	0.84
3	0.93	0.89	0.86	0.92	0.89	0.86	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.81
4	0.89	0.85	0.81	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.83	0.80	0.78	0.77
5	0.85	0.80	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.81	0.77	0.74	0.81	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
7	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
8	0.75	0.71	0.67	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66
9	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.70	0.66	0.64	0.63
10	0.70	0.65	0.63	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61



Intensity data(cd)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	9520.35	8749.01	6291.85	3190.52	1700.14	1079.11	930.45	619.38	44.32
45.0	9431.16	9073.85	6853.42	3775.77	1881.83	1133.61	953.03	676.09	286.29
90.0	9518.70	8796.91	6462.52	3345.23	1700.14	1091.27	938.16	569.83	53.46
135.0	9457.04	8928.50	6755.97	3617.21	1811.36	1145.72	961.28	646.36	291.80
180.0	9520.35	8455.01	5576.66	2646.01	1494.23	1040.29	891.69	443.42	33.75
225.0	9431.16	8052.55	5076.20	2430.19	1352.74	1010.51	888.39	348.40	30.78
270.0	9518.70	8351.51	5515.00	2776.49	1432.02	1013.04	899.62	423.93	30.61
315.0	9457.04	8104.30	4986.46	2652.62	1360.99	1006.10	896.37	351.37	32.48
360.0	9520.35	8749.01	6291.85	3190.52	1700.14	1079.11	930.45	619.38	44.32

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	17.29	12.99	12.00	11.45	11.01	10.74	10.46	10.46	10.24
45.0	18.22	13.05	12.17	11.56	11.18	10.85	10.63	10.46	10.35
90.0	18.06	12.88	12.00	11.45	11.01	10.68	10.46	10.35	10.30
135.0	18.94	13.10	12.17	11.51	11.01	10.74	10.52	10.46	10.35
180.0	14.59	12.50	11.73	11.23	10.85	10.57	10.35	10.24	10.13
225.0	13.76	12.44	11.84	11.34	11.01	10.85	10.57	10.35	10.30
270.0	15.25	12.77	11.95	11.45	11.07	10.85	10.79	10.85	10.57
315.0	14.20	12.66	11.84	11.34	10.96	10.63	10.35	10.24	10.19
360.0	17.29	12.99	12.00	11.45	11.01	10.74	10.46	10.46	10.24

C/γ(°)	90.0
0.0	10.08
45.0	10.19
90.0	10.13
135.0	10.08
180.0	10.08
225.0	10.19
270.0	10.13
315.0	10.08
360.0	10.08