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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client: NT

LumCAT: 69-0020

Luminaire: 11-0161-S2-MB

Report No: 20241123-B001

Ballast type: AC

Test No: 20241123-C001

Voltage(V): 22.300

LampCAT: LIMILEDS 2835

Current(A): 0.482

Lamp flux(lm): 1206.4

Power (W): 10.748

Number of Lamps: 1

PF: 0.000

Length(mm): 280

Width(mm): 40

Phm Type: C

Height(mm): 20

Photometric Results

Lumens(lm): 1093.03, Efficiency(%): 90.60% , Luminous Efficacy(lm/W): 101.70

Central intensity(cd): 1224.349, Maximum intensity(cd): 1224.349

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=60.2

[C90/270]Total=61.8

Field angle(10%Imax): [C0/180]Total=78.2

[C90/270]Total=78.8

Maximum s/h(1/2): C0_180=0.97 C90_270=1.00

Maximum s/h(1/4): C0_180=0.88 C90_270=0.90

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.72%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.581%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/11/23
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1213.376	0.000	0	0.00%	0.00%
1.0	1212.828	1.161	1.161	0.10%	0.11%
2.0	1211.767	3.480	4.641	0.29%	0.42%
3.0	1210.706	5.794	10.435	0.48%	0.95%
4.0	1209.389	8.101	18.535	0.67%	1.70%
5.0	1207.487	10.397	28.933	0.86%	2.65%
6.0	1204.122	12.674	41.606	1.05%	3.81%
7.0	1200.392	14.925	56.531	1.24%	5.17%
8.0	1195.066	17.144	73.675	1.42%	6.74%
9.0	1191.116	19.339	93.014	1.60%	8.51%
10.0	1184.046	21.494	114.508	1.78%	10.48%
11.0	1178.372	23.605	138.113	1.96%	12.64%
12.0	1169.598	25.667	163.78	2.13%	14.98%
13.0	1161.529	27.665	191.445	2.29%	17.52%
14.0	1152.487	29.619	221.064	2.46%	20.22%
15.0	1141.218	31.489	252.553	2.61%	23.11%
16.0	1128.109	33.252	285.805	2.76%	26.15%
17.0	1113.347	34.905	320.71	2.89%	29.34%
18.0	1095.753	36.423	357.134	3.02%	32.67%
19.0	1076.960	37.801	394.935	3.13%	36.13%
20.0	1055.618	39.032	433.967	3.24%	39.70%
21.0	1031.609	40.079	474.046	3.32%	43.37%
22.0	1002.849	40.883	514.929	3.39%	47.11%
23.0	971.909	41.436	556.365	3.43%	50.90%
24.0	934.681	41.685	598.05	3.46%	54.71%
25.0	892.574	41.548	639.597	3.44%	58.52%
26.0	847.289	41.070	680.667	3.40%	62.27%
27.0	797.501	40.240	720.907	3.34%	65.96%
28.0	747.544	39.117	760.024	3.24%	69.53%
29.0	687.749	37.551	797.576	3.11%	72.97%
30.0	630.664	35.597	833.173	2.95%	76.23%
31.0	570.049	33.414	866.587	2.77%	79.28%
32.0	509.234	30.920	897.507	2.56%	82.11%
33.0	448.184	28.206	925.713	2.34%	84.69%
34.0	390.466	25.380	951.093	2.10%	87.01%
35.0	334.796	22.524	973.617	1.87%	89.08%
36.0	291.384	19.938	993.554	1.65%	90.90%
37.0	245.860	17.522	1011.076	1.45%	92.50%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	195.290	14.725	1025.801	1.22%	93.85%
39.0	152.861	11.883	1037.685	0.98%	94.94%
40.0	109.755	9.159	1046.844	0.76%	95.77%
41.0	80.212	6.765	1053.608	0.56%	96.39%
42.0	59.389	5.072	1058.68	0.42%	96.86%
43.0	42.213	3.764	1062.444	0.31%	97.20%
44.0	31.083	2.766	1065.21	0.23%	97.45%
45.0	23.230	2.087	1067.298	0.17%	97.65%
46.0	18.018	1.613	1068.911	0.13%	97.79%
47.0	14.740	1.303	1070.214	0.11%	97.91%
48.0	12.491	1.101	1071.315	0.09%	98.01%
49.0	10.816	0.957	1072.272	0.08%	98.10%
50.0	9.601	0.851	1073.123	0.07%	98.18%
51.0	8.614	0.771	1073.894	0.06%	98.25%
52.0	7.787	0.704	1074.597	0.06%	98.31%
53.0	7.136	0.649	1075.246	0.05%	98.37%
54.0	6.624	0.606	1075.853	0.05%	98.43%
55.0	6.163	0.571	1076.424	0.05%	98.48%
56.0	5.794	0.540	1076.964	0.04%	98.53%
57.0	5.483	0.516	1077.48	0.04%	98.58%
58.0	5.245	0.496	1077.976	0.04%	98.62%
59.0	5.059	0.482	1078.457	0.04%	98.67%
60.0	4.883	0.470	1078.927	0.04%	98.71%
61.0	4.755	0.460	1079.387	0.04%	98.75%
62.0	4.660	0.454	1079.841	0.04%	98.79%
63.0	4.598	0.450	1080.291	0.04%	98.83%
64.0	4.554	0.449	1080.74	0.04%	98.88%
65.0	4.514	0.449	1081.189	0.04%	98.92%
66.0	4.481	0.449	1081.637	0.04%	98.96%
67.0	4.473	0.450	1082.088	0.04%	99.00%
68.0	4.477	0.453	1082.541	0.04%	99.04%
69.0	4.462	0.456	1082.997	0.04%	99.08%
70.0	4.466	0.459	1083.456	0.04%	99.12%
71.0	4.466	0.462	1083.917	0.04%	99.17%
72.0	4.459	0.464	1084.381	0.04%	99.21%
73.0	4.466	0.467	1084.848	0.04%	99.25%
74.0	4.462	0.469	1085.317	0.04%	99.29%
75.0	4.455	0.471	1085.789	0.04%	99.34%

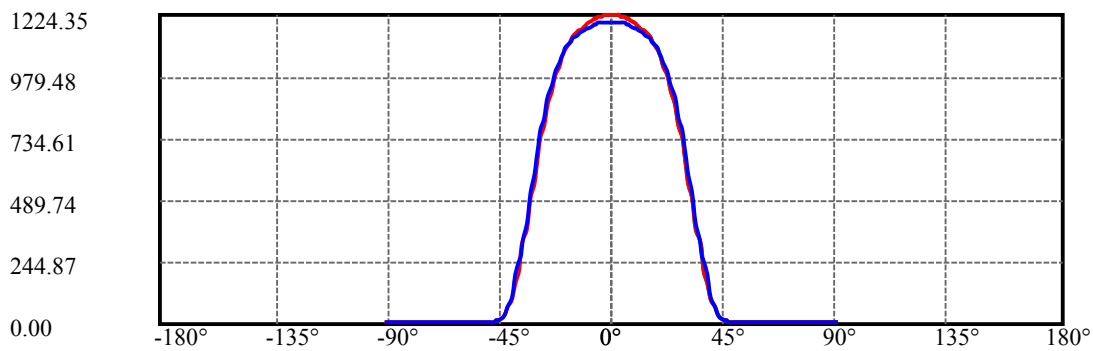
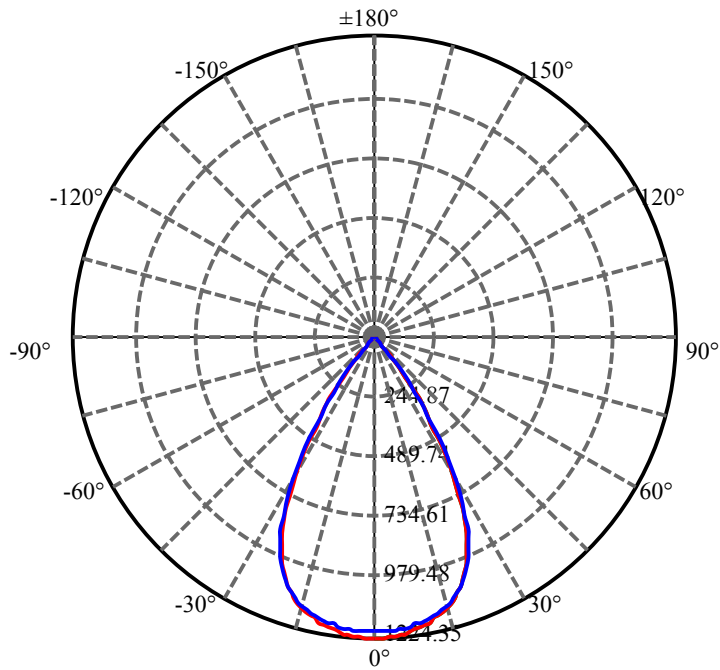
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.455	0.473	1086.262	0.04%	99.38%
77.0	4.459	0.475	1086.737	0.04%	99.42%
78.0	4.451	0.477	1087.214	0.04%	99.47%
79.0	4.455	0.479	1087.692	0.04%	99.51%
80.0	4.455	0.480	1088.173	0.04%	99.56%
81.0	4.455	0.482	1088.655	0.04%	99.60%
82.0	4.448	0.483	1089.137	0.04%	99.64%
83.0	4.448	0.484	1089.621	0.04%	99.69%
84.0	4.448	0.485	1090.106	0.04%	99.73%
85.0	4.444	0.485	1090.591	0.04%	99.78%
86.0	4.451	0.486	1091.077	0.04%	99.82%
87.0	4.448	0.487	1091.564	0.04%	99.87%
88.0	4.455	0.488	1092.052	0.04%	99.91%
89.0	4.459	0.489	1092.54	0.04%	99.96%
90.0	4.448	0.488	1093.029	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	833.17	69.06%	76.23%
0-40	1046.84	86.77%	95.77%
0-60	1078.93	89.43%	98.71%
0-90	1092.54	90.56%	99.96%
0-120	1092.54	90.56%	99.96%
0-180	1093.03	90.60%	100.00%
60-90	13.61	1.13%	1.25%
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%
0-31.25	874.42	72.48%	80.00%

ZONAL LUMEN SUMMARY

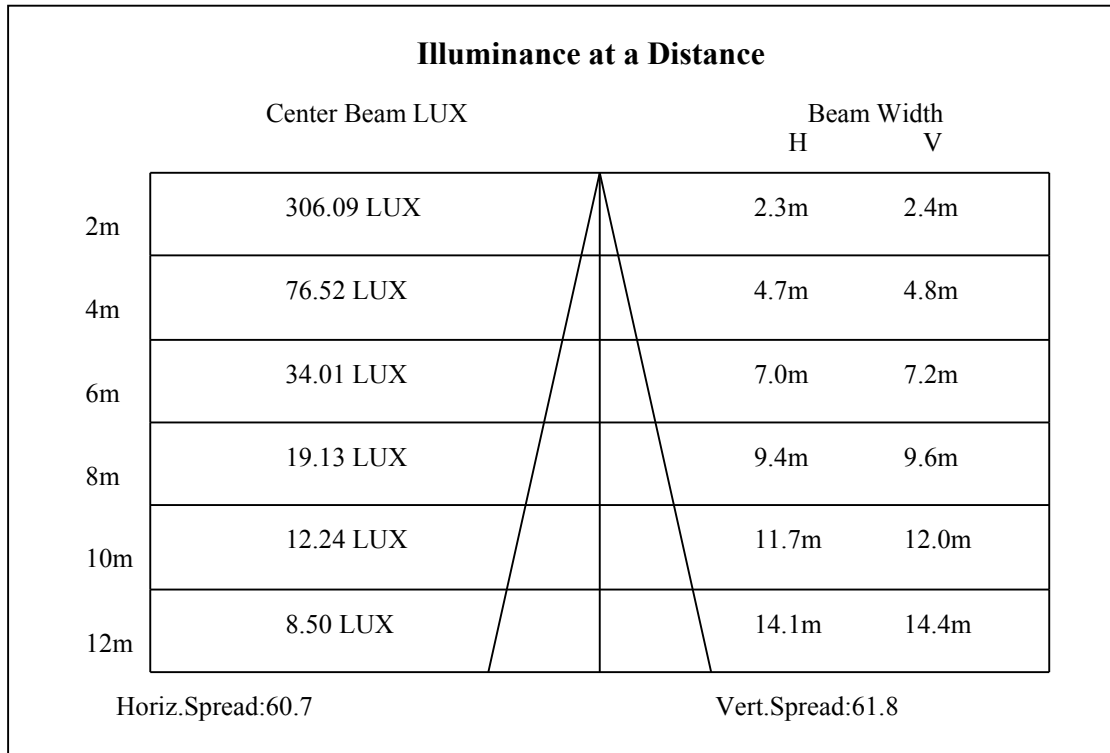
0-10	114.51
10-20	319.46
20-30	399.21
30-40	213.67
40-50	26.28
50-60	5.80
60-70	4.53
70-80	4.72
80-90	4.37
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

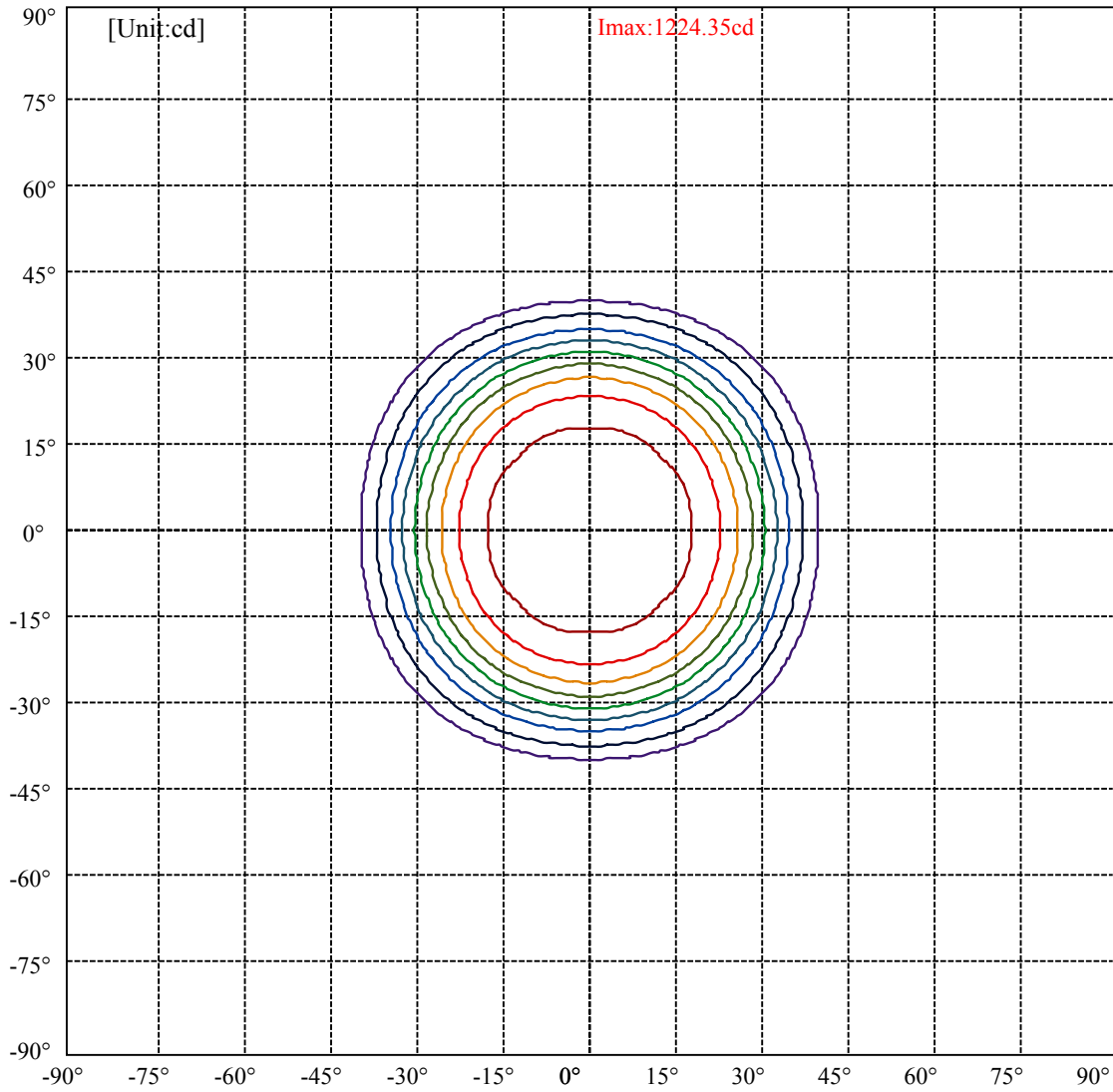


C0(Max): —————
C0/C180: —————
C90/C270: —————

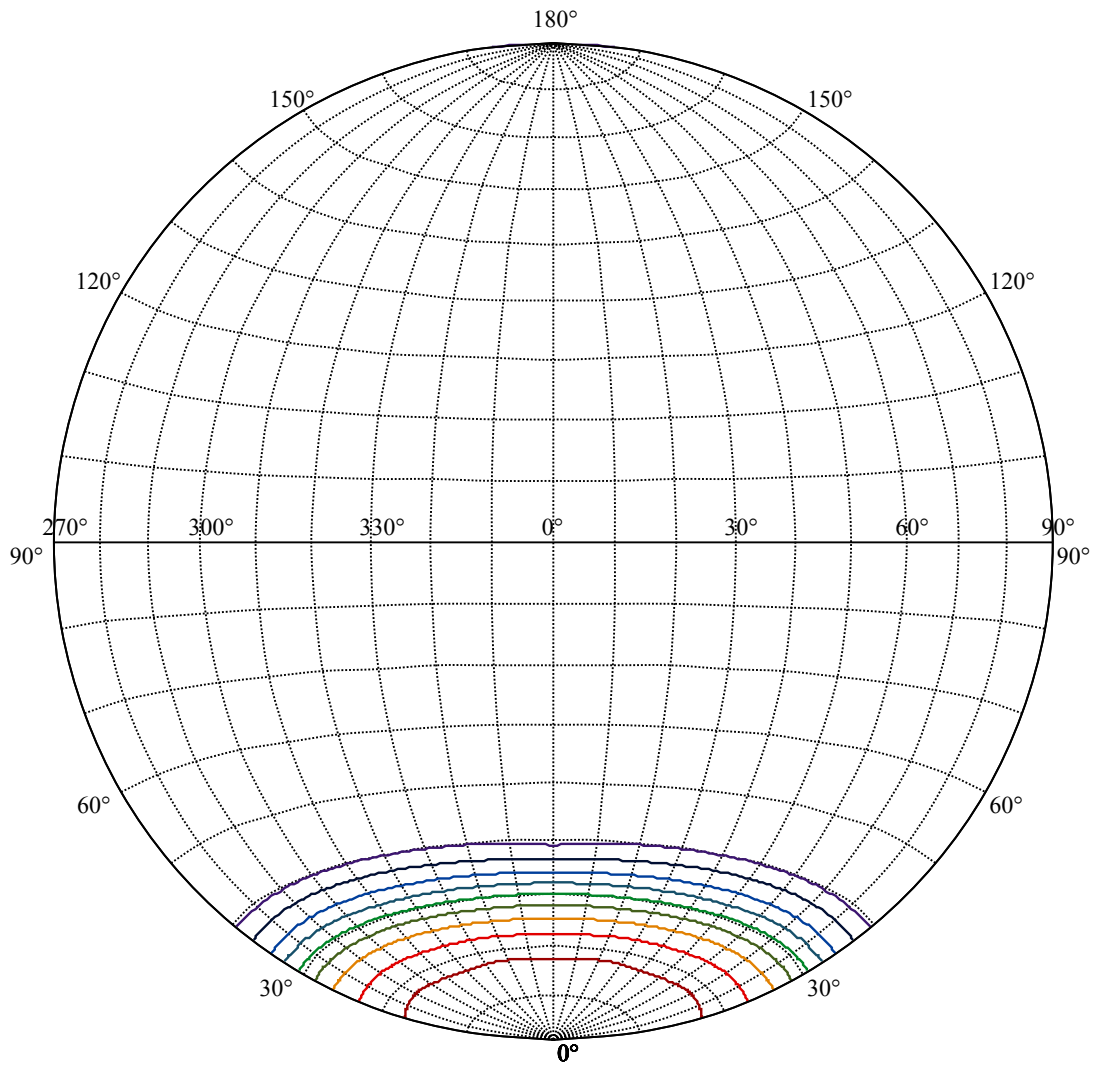
Field angle(10%Imax):C0/180Left:42.0 Right:36.0
:C90/270Left:44.4 Right:34.4

Beam Angle(50%Imax):C0/180Left:33.1 Right:27.1
:C90/270Left:35.9 Right:25.9





(10%Imax) 122.347	—
(20%Imax) 244.694	—
(30%Imax) 367.041	—
(40%Imax) 489.389	—
(50%Imax) 611.736	—
(60%Imax) 734.083	—
(70%Imax) 856.43	—
(80%Imax) 978.777	—
(90%Imax) 1101.12	—



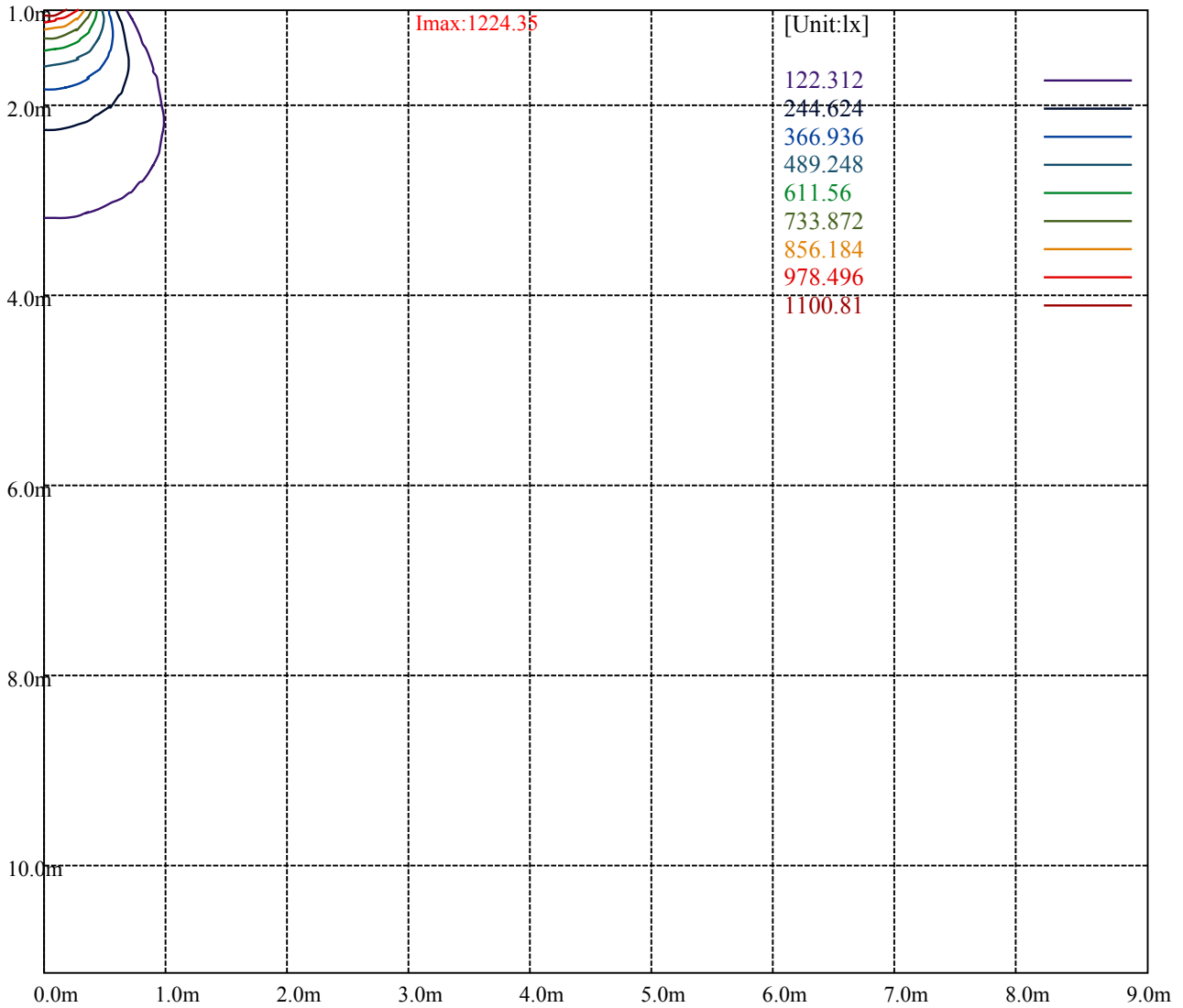
House

[Unit:cd]

Road

Imax:1224.35

(10%Imax)	122.404	—
(20%Imax)	244.807	—
(30%Imax)	367.211	—
(40%Imax)	489.614	—
(50%Imax)	612.018	—
(60%Imax)	734.422	—
(70%Imax)	856.825	—
(80%Imax)	979.229	—
(90%Imax)	1101.63	—



Luminance Table

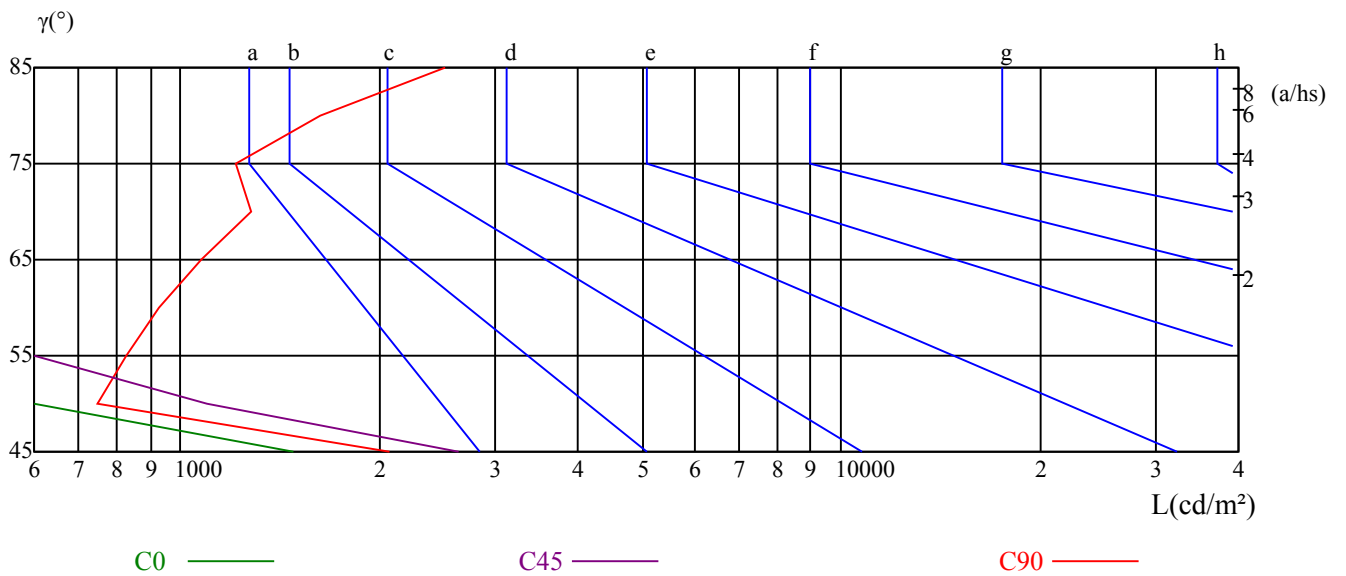
γ	45	50	55	60	65	70	75	80	85
C0	1478	509	531	560	459	644	704	785	679
C45	2632	1097	578	615	662	724	805	914	1067
C90	2069	749	827	930	1072	1277	1211	1628	2508

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
952	1236	1236	2019	1534	1777	4556	4556	5995

Glare Table

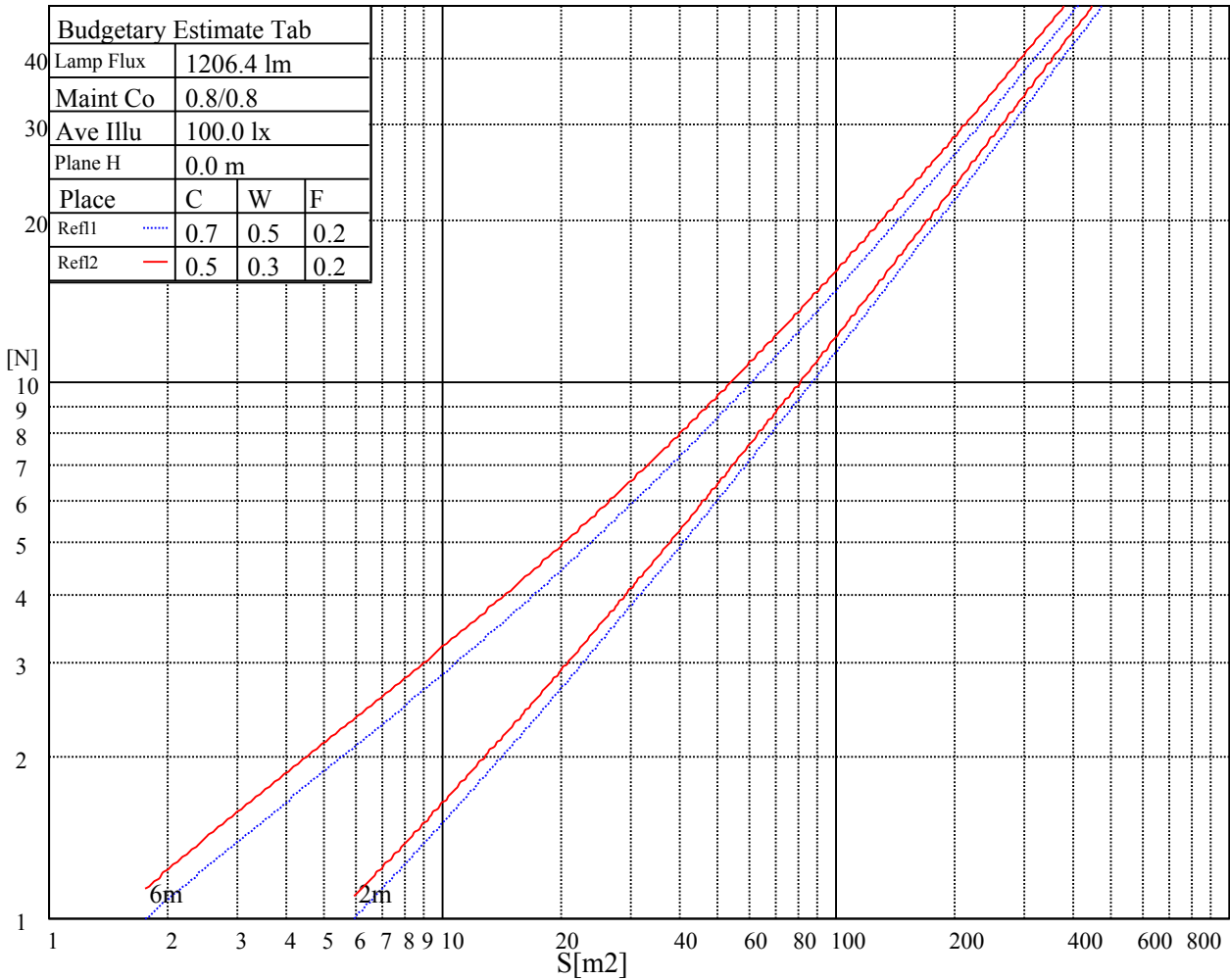
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

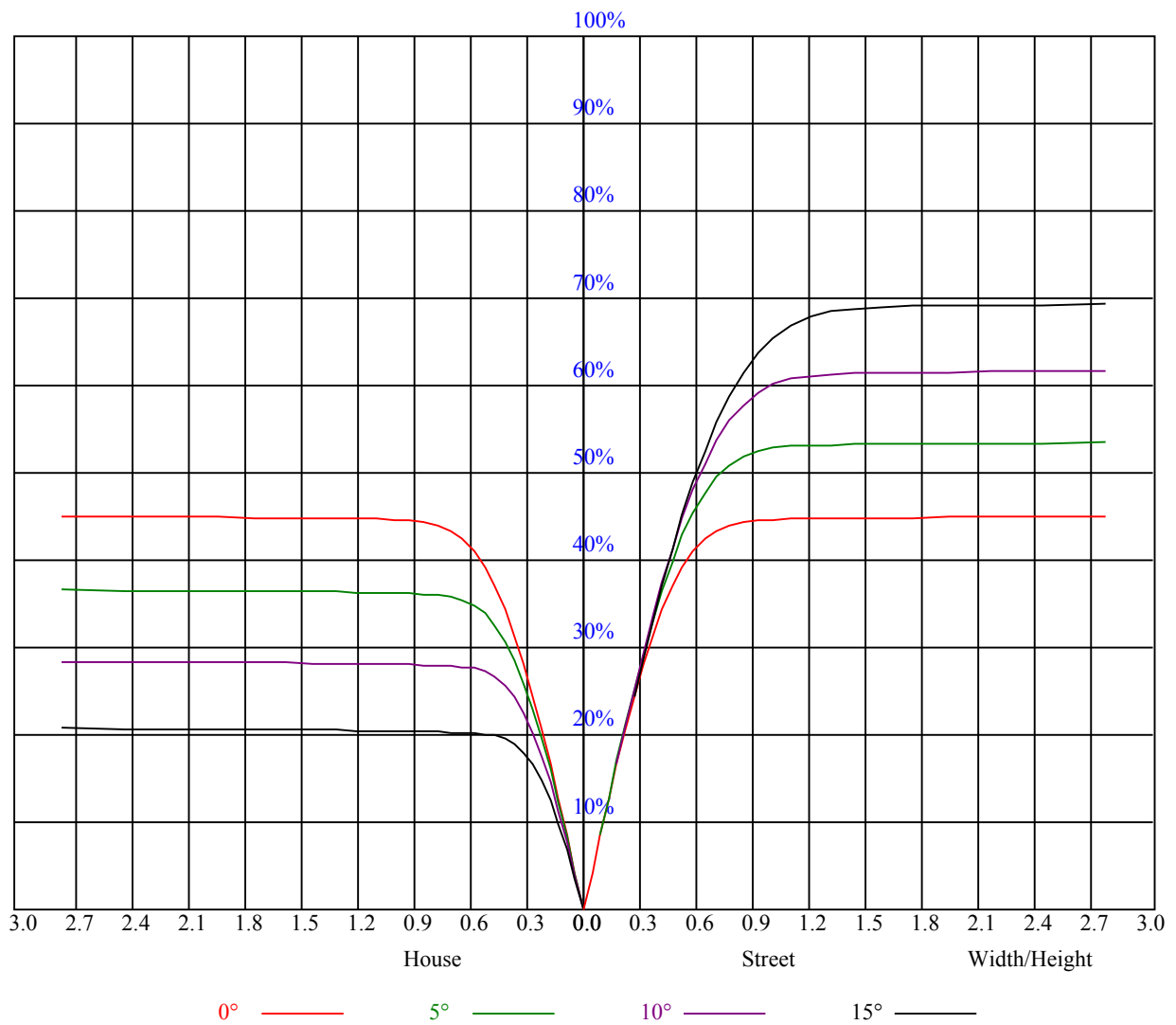


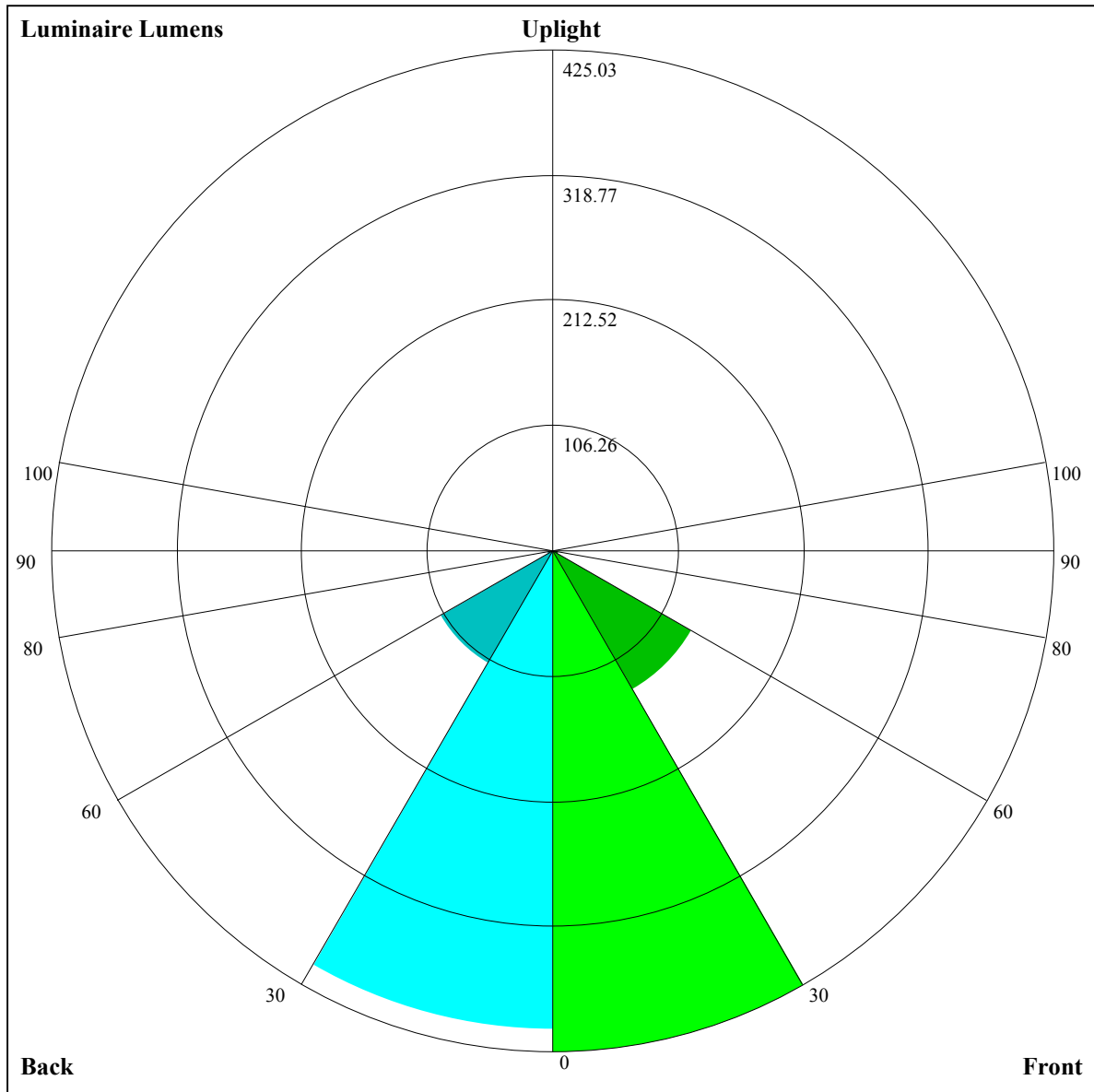
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	15.41	16.35	15.78	16.67	16.98	14.96	15.90	15.32	16.21	16.53
	3H	15.23	16.06	15.61	16.40	16.75	14.79	15.62	15.17	15.96	16.30
	4H	15.15	15.92	15.55	16.27	16.64	14.72	15.50	15.13	15.85	16.22
	6H	15.10	15.80	15.52	16.18	16.58	14.72	15.43	15.14	15.81	16.21
	8H	15.05	15.73	15.48	16.11	16.52	14.72	15.40	15.15	15.78	16.19
	12H	15.02	15.66	15.45	16.06	16.48	14.76	15.40	15.19	15.80	16.21
4H	2H	15.10	15.87	15.50	16.23	16.59	14.65	15.42	15.05	15.77	16.14
	3H	14.89	15.54	15.31	15.93	16.35	14.45	15.10	14.88	15.50	15.92
	4H	14.85	15.41	15.29	15.84	16.29	14.45	15.01	14.89	15.43	15.88
	6H	14.79	15.28	15.26	15.74	16.19	14.46	14.95	14.93	15.40	15.86
	8H	14.79	15.25	15.27	15.71	16.18	14.53	14.98	15.01	15.44	15.92
	12H	14.81	15.24	15.30	15.69	16.21	14.67	15.09	15.16	15.54	16.06
8H	4H	14.68	15.14	15.16	15.60	16.07	14.28	14.74	14.77	15.20	15.67
	6H	14.64	15.02	15.15	15.50	16.01	14.33	14.70	14.84	15.18	15.70
	8H	14.72	15.03	15.26	15.56	16.06	14.50	14.82	15.04	15.34	15.84
	12H	14.80	15.04	15.34	15.56	16.08	14.74	14.98	15.28	15.49	16.02
12H	4H	14.63	15.06	15.13	15.51	16.03	14.24	14.66	14.73	15.11	15.63
	6H	14.65	14.96	15.19	15.49	15.99	14.34	14.65	14.88	15.18	15.68
	8H	14.71	14.95	15.26	15.47	15.99	14.50	14.74	15.04	15.26	15.78
Variation with the observer position at spacings:											
S = 1.0H	5.7/-10.1					5.6/-10.5					
S = 1.5H	8.3/-8.1					8.3/-8.6					
S = 2.0H	10.0/-6.9					10.1/-7.5					
Standard tables:	BK1					BK1					
Uncorrected UGR	-3.9					-4.4					

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.08	1.08	1.08	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.00	0.98	0.96	0.98	0.96	0.94	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85
2	0.94	0.90	0.87	0.92	0.89	0.86	0.89	0.86	0.84	0.86	0.84	0.82	0.84	0.82	0.80	0.79
3	0.87	0.83	0.79	0.86	0.82	0.79	0.84	0.80	0.78	0.82	0.79	0.76	0.80	0.77	0.75	0.74
4	0.82	0.77	0.73	0.81	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.70	0.69
5	0.77	0.72	0.68	0.76	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.65
6	0.72	0.67	0.63	0.72	0.67	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.64	0.62	0.61
7	0.68	0.63	0.59	0.68	0.63	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.57
8	0.64	0.59	0.55	0.64	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.53
9	0.61	0.56	0.52	0.60	0.56	0.52	0.60	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.50
10	0.58	0.53	0.49	0.57	0.52	0.49	0.57	0.52	0.49	0.56	0.52	0.49	0.55	0.51	0.49	0.48





Luminaire Lumens:

FL=425.03,FM=135.86,FH=4.64,FVH=2.43

BL=406.9,BM=110.8,BH=4.61,BVH=2.43

UL=0,UH=0

BUG Rating:B1-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	1224.35	1225.52	1225.52	1225.52	1224.35	1222.59	1219.67	1213.82	1207.96
22.5	1219.67	1220.84	1220.25	1219.08	1217.33	1216.16	1214.99	1213.23	1210.89
45.0	1219.08	1218.50	1217.91	1217.91	1219.67	1220.25	1217.91	1214.40	1209.13
67.5	1204.45	1203.87	1203.28	1202.11	1201.53	1201.53	1198.60	1195.09	1192.16
90.0	1193.92	1192.16	1192.16	1192.16	1192.16	1190.99	1188.07	1185.14	1166.65
112.5	1205.04	1202.70	1199.77	1195.67	1195.09	1196.26	1195.09	1194.50	1193.33
135.0	1212.06	1213.82	1214.40	1213.82	1212.64	1210.30	1204.45	1199.77	1194.50
157.5	1228.45	1226.10	1223.76	1222.59	1219.67	1217.33	1213.23	1206.21	1197.43
180.0	1224.35	1221.42	1219.08	1217.33	1214.40	1211.47	1204.45	1198.01	1190.41
202.5	1219.67	1218.50	1215.57	1212.64	1210.30	1207.38	1204.45	1200.35	1193.92
225.0	1219.08	1218.50	1216.16	1213.23	1208.55	1200.94	1194.50	1190.41	1188.07
247.5	1204.45	1205.62	1206.21	1206.21	1206.79	1204.45	1200.94	1197.43	1193.33
270.0	1193.92	1194.50	1194.50	1195.09	1193.92	1192.75	1190.99	1188.65	1184.55
292.5	1205.04	1205.04	1203.87	1202.70	1200.94	1198.60	1194.50	1190.41	1186.31
315.0	1212.06	1210.30	1210.30	1212.06	1212.06	1209.72	1208.55	1206.79	1203.28
337.5	1228.45	1227.86	1225.52	1223.18	1220.84	1219.08	1215.57	1212.06	1209.13
360.0	1224.35	1225.52	1225.52	1225.52	1224.35	1222.59	1219.67	1213.82	1207.96
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1200.35	1193.92	1189.24	1167.11	1167.11	1160.74	1151.02	1137.50	1118.77
22.5	1207.96	1201.53	1196.84	1190.99	1183.97	1177.53	1169.34	1156.46	1144.17
45.0	1202.70	1197.43	1192.16	1166.29	1166.29	1158.69	1144.11	1132.00	1119.48
67.5	1188.65	1184.55	1178.12	1171.68	1164.07	1155.29	1147.68	1138.32	1127.79
90.0	1166.65	1161.50	1153.54	1145.58	1137.09	1127.49	1119.54	1110.17	1093.84
112.5	1190.99	1186.89	1179.87	1172.26	1161.73	1154.12	1144.76	1130.13	1114.33
135.0	1187.48	1165.89	1165.89	1156.93	1146.34	1135.04	1118.89	1103.56	1086.12
157.5	1192.16	1185.14	1179.29	1170.51	1163.49	1156.46	1145.34	1133.64	1119.01
180.0	1183.97	1179.29	1172.85	1162.90	1155.29	1145.34	1130.71	1117.25	1101.45
202.5	1188.07	1167.00	1167.00	1158.34	1148.33	1131.83	1116.43	1099.58	1082.08
225.0	1188.07	1185.72	1181.63	1174.02	1165.83	1156.46	1145.34	1128.37	1111.99
247.5	1190.41	1166.65	1166.65	1161.85	1153.89	1142.18	1131.18	1116.26	1101.04
270.0	1182.21	1179.29	1175.19	1168.75	1161.14	1152.37	1141.83	1131.30	1119.59
292.5	1182.80	1193.33	1166.70	1166.70	1160.91	1152.48	1144.76	1134.87	1123.34
315.0	1200.94	1198.01	1195.09	1189.82	1181.63	1166.41	1150.61	1134.81	1123.11
337.5	1204.45	1198.60	1193.92	1189.82	1167.35	1167.35	1157.93	1145.52	1127.44
360.0	1200.35	1193.92	1189.24	1167.11	1167.11	1160.74	1151.02	1137.50	1118.77
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1103.21	1083.02	1064.35	1043.63	1014.60	989.85	959.65	922.78	872.22
22.5	1131.88	1118.42	1099.70	1080.38	1059.32	1035.32	1001.96	968.61	924.13
45.0	1100.87	1085.30	1066.34	1045.21	1013.61	984.82	953.10	914.71	864.14
67.5	1119.01	1107.30	1089.16	1071.61	1049.95	1024.20	993.77	949.29	912.42
90.0	1080.38	1060.49	1038.48	1013.96	978.55	947.77	912.83	872.92	830.84
112.5	1096.77	1079.21	1055.80	1035.32	1012.50	981.48	939.34	901.89	859.75
135.0	1062.18	1041.29	1015.78	985.93	944.08	905.93	863.73	820.95	761.38
157.5	1098.53	1079.21	1051.12	1021.86	992.01	958.07	909.50	864.44	817.03
180.0	1077.46	1054.63	1029.47	994.94	966.26	932.32	887.84	832.83	784.26
202.5	1055.75	1030.52	1002.31	971.06	928.46	888.02	844.60	785.20	733.46
225.0	1094.43	1071.02	1049.95	1016.59	987.33	955.73	918.86	868.53	826.98
247.5	1082.02	1062.30	1036.73	1008.64	979.73	932.15	891.18	852.38	812.70
270.0	1104.38	1090.33	1071.02	1052.88	1032.40	1006.06	975.63	937.59	900.72
292.5	1105.84	1089.45	1069.85	1047.08	1014.84	985.17	940.69	904.00	864.32
315.0	1107.89	1088.58	1079.80	1069.26	1056.39	1036.49	1006.65	969.19	931.15
337.5	1111.46	1090.27	1070.03	1047.38	1015.54	987.16	955.56	915.88	861.10
360.0	1103.21	1083.02	1064.35	1043.63	1014.60	989.85	959.65	922.78	872.22

Intensity data(cd)

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	828.74	784.20	737.79	672.48	616.36	559.77	487.43	428.44	369.75
22.5	879.65	832.25	769.63	719.30	666.04	611.03	541.39	484.62	429.61
45.0	819.08	768.81	699.99	642.64	586.86	520.62	467.42	414.22	347.80
67.5	869.12	810.01	760.85	698.23	642.64	587.04	517.98	462.39	405.62
90.0	772.61	723.10	672.60	619.40	547.42	488.31	416.15	358.51	303.50
112.5	805.91	760.85	698.23	642.64	587.04	530.27	461.22	405.03	347.10
135.0	709.64	655.86	586.63	530.16	476.90	413.11	362.61	314.68	257.15
157.5	765.53	711.69	643.22	589.97	533.78	465.90	410.30	345.93	297.94
180.0	736.86	686.53	620.40	566.56	497.50	439.56	381.04	313.15	299.69
202.5	668.33	615.83	561.29	505.63	437.16	383.61	333.17	286.99	231.28
225.0	775.48	726.91	656.10	595.23	540.22	472.92	416.15	368.17	309.64
247.5	753.30	701.22	645.15	588.27	515.12	455.83	401.46	333.87	281.26
270.0	859.17	809.42	744.46	690.04	631.52	563.63	503.35	425.52	372.26
292.5	809.25	760.91	708.82	651.12	578.55	519.27	461.68	407.14	337.56
315.0	894.28	848.63	785.43	731.00	671.31	599.91	541.98	488.14	421.42
337.5	813.05	764.48	713.39	647.96	592.36	536.94	467.59	410.65	345.17
360.0	828.74	784.20	737.79	672.48	616.36	559.77	487.43	428.44	369.75
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	300.40	248.08	190.32	149.93	116.99	87.61	63.50	40.67	28.09
22.5	374.02	307.89	295.01	295.01	168.43	124.01	95.45	66.07	49.04
45.0	297.29	250.01	204.42	154.56	121.79	93.64	70.29	49.69	38.92
67.5	350.02	306.13	306.13	181.30	142.85	102.65	76.90	56.88	38.16
90.0	240.23	196.17	154.85	106.39	77.60	55.48	38.62	24.40	17.56
112.5	306.72	306.72	188.56	149.12	116.75	83.80	63.44	43.66	32.42
135.0	212.32	172.76	137.53	101.54	79.53	62.33	48.98	36.99	30.84
157.5	297.94	242.69	154.09	121.84	94.92	66.13	48.69	36.17	26.51
180.0	299.69	170.42	127.99	98.61	72.98	52.32	33.36	23.17	16.62
202.5	190.49	152.92	121.90	89.01	67.65	45.94	33.65	24.52	17.44
225.0	296.77	296.77	178.08	133.43	106.45	82.46	60.22	47.52	37.69
247.5	233.21	180.72	144.43	114.06	80.59	59.28	43.54	29.90	22.59
270.0	313.74	298.52	241.00	160.12	122.02	80.06	59.58	39.85	27.80
292.5	284.71	237.19	183.47	145.08	104.81	77.66	56.77	40.91	27.56
315.0	368.17	319.59	296.18	296.18	165.09	121.02	91.70	71.16	53.78
337.5	296.42	247.20	200.67	149.58	117.63	89.01	65.55	43.83	32.30
360.0	300.40	248.08	190.32	149.93	116.99	87.61	63.50	40.67	28.09
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	19.43	14.57	11.41	10.12	9.01	8.31	7.67	7.08	6.67
22.5	35.23	23.76	18.14	14.51	12.00	9.95	8.95	8.13	7.43
45.0	31.25	24.46	20.60	17.09	14.86	12.87	10.83	9.48	8.43
67.5	27.45	20.60	15.63	13.11	11.12	10.01	9.13	8.43	7.78
90.0	14.05	12.06	10.48	9.60	8.90	8.13	7.61	6.96	6.50
112.5	24.40	17.91	14.51	12.23	10.42	9.31	8.54	7.90	7.32
135.0	25.93	20.60	17.50	14.22	12.11	10.36	9.01	7.72	7.08
157.5	18.73	14.81	12.23	10.07	9.01	8.13	7.37	6.91	6.38
180.0	12.35	10.65	9.48	8.49	7.84	7.20	6.73	6.32	5.91
202.5	13.87	11.47	9.54	8.60	7.78	7.26	6.67	6.32	5.97
225.0	31.25	24.87	20.89	17.73	14.40	12.29	10.42	8.72	7.72
247.5	17.62	14.40	11.70	10.30	9.36	8.54	7.78	7.26	6.73
270.0	17.91	14.10	12.00	10.59	9.48	8.78	8.02	7.49	6.96
292.5	20.72	16.15	13.34	11.12	10.01	9.07	8.37	7.67	7.20
315.0	38.27	30.43	25.11	20.95	17.26	14.86	12.87	11.06	9.36
337.5	23.23	17.44	13.28	11.12	9.48	8.54	7.84	7.14	6.73
360.0	19.43	14.57	11.41	10.12	9.01	8.31	7.67	7.08	6.67

Intensity data(cd)

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	6.26	5.79	5.44	5.21	5.03	4.80	4.68	4.56	4.56
22.5	6.96	6.55	6.20	5.79	5.56	5.33	5.09	4.92	4.74
45.0	7.61	6.91	6.50	6.14	5.91	5.68	5.44	5.33	5.09
67.5	7.26	6.85	6.44	5.91	5.56	5.27	5.03	4.74	4.62
90.0	6.03	5.62	5.21	4.97	4.74	4.62	4.56	4.51	4.51
112.5	6.85	6.50	6.09	5.68	5.38	5.09	4.86	4.68	4.51
135.0	6.61	6.26	5.91	5.68	5.50	5.33	5.09	4.97	4.80
157.5	6.09	5.74	5.44	5.21	4.97	4.86	4.68	4.56	4.56
180.0	5.56	5.27	5.03	4.86	4.68	4.62	4.56	4.51	4.51
202.5	5.68	5.33	5.15	4.92	4.80	4.68	4.56	4.51	4.51
225.0	7.02	6.44	6.09	5.79	5.62	5.44	5.21	5.09	4.92
247.5	6.32	5.91	5.44	5.21	4.97	4.80	4.62	4.56	4.51
270.0	6.44	5.91	5.50	5.15	4.92	4.74	4.62	4.56	4.51
292.5	6.67	6.26	5.85	5.44	5.15	4.97	4.74	4.56	4.51
315.0	8.31	7.32	6.79	6.44	6.03	5.79	5.62	5.38	5.15
337.5	6.32	5.97	5.62	5.33	5.09	4.92	4.74	4.62	4.56
360.0	6.26	5.79	5.44	5.21	5.03	4.80	4.68	4.56	4.56
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	4.56	4.56	4.51	4.51	4.51	4.51	4.51	4.51	4.51
22.5	4.62	4.51	4.56	4.51	4.51	4.51	4.45	4.51	4.51
45.0	4.97	4.80	4.62	4.51	4.51	4.45	4.45	4.45	4.45
67.5	4.51	4.51	4.51	4.51	4.51	4.51	4.45	4.45	4.45
90.0	4.51	4.45	4.45	4.45	4.45	4.51	4.45	4.45	4.45
112.5	4.51	4.51	4.51	4.45	4.45	4.51	4.51	4.51	4.45
135.0	4.62	4.56	4.51	4.45	4.45	4.45	4.45	4.45	4.45
157.5	4.51	4.51	4.51	4.51	4.45	4.51	4.51	4.45	4.51
180.0	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.51
202.5	4.51	4.51	4.45	4.45	4.51	4.45	4.45	4.45	4.51
225.0	4.74	4.62	4.56	4.51	4.45	4.45	4.45	4.45	4.45
247.5	4.51	4.51	4.45	4.45	4.45	4.45	4.45	4.45	4.45
270.0	4.51	4.51	4.45	4.45	4.45	4.45	4.45	4.51	4.45
292.5	4.51	4.51	4.45	4.45	4.45	4.45	4.45	4.45	4.45
315.0	4.97	4.80	4.68	4.56	4.51	4.45	4.45	4.45	4.45
337.5	4.51	4.51	4.51	4.45	4.45	4.51	4.45	4.45	4.45
360.0	4.56	4.56	4.51	4.51	4.51	4.51	4.51	4.51	4.51
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.51	4.51	4.45	4.45	4.51	4.51	4.51	4.45	4.45
22.5	4.51	4.45	4.51	4.51	4.45	4.51	4.45	4.45	4.51
45.0	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
67.5	4.45	4.51	4.45	4.45	4.45	4.45	4.45	4.45	4.45
90.0	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
112.5	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
135.0	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
157.5	4.45	4.45	4.45	4.45	4.51	4.45	4.45	4.45	4.45
180.0	4.51	4.51	4.51	4.45	4.45	4.51	4.45	4.51	4.51
202.5	4.45	4.51	4.51	4.45	4.45	4.45	4.45	4.45	4.45
225.0	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
247.5	4.45	4.45	4.51	4.45	4.45	4.45	4.45	4.45	4.45
270.0	4.45	4.51	4.45	4.45	4.45	4.45	4.45	4.45	4.45
292.5	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
315.0	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
337.5	4.45	4.45	4.45	4.51	4.45	4.45	4.45	4.51	4.45
360.0	4.51	4.51	4.45	4.45	4.51	4.51	4.51	4.45	4.45

Intensity data(cd)

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.45	4.45	4.51	4.51	4.45	4.45	4.45	4.51	4.51
22.5	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
45.0	4.45	4.45	4.45	4.45	4.45	4.51	4.45	4.45	4.51
67.5	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
90.0	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
112.5	4.45	4.45	4.45	4.39	4.45	4.45	4.45	4.45	4.45
135.0	4.45	4.45	4.45	4.45	4.39	4.45	4.39	4.45	4.45
157.5	4.51	4.45	4.39	4.45	4.45	4.45	4.45	4.45	4.45
180.0	4.51	4.45	4.45	4.45	4.45	4.45	4.51	4.51	4.45
202.5	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
225.0	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.51
247.5	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
270.0	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
292.5	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
315.0	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
337.5	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
360.0	4.45	4.45	4.51	4.51	4.45	4.45	4.45	4.51	4.51

C/γ(°)	90.0
0.0	4.45
22.5	4.45
45.0	4.51
67.5	4.45
90.0	4.45
112.5	4.39
135.0	4.45
157.5	4.45
180.0	4.45
202.5	4.45
225.0	4.45
247.5	4.45
270.0	4.45
292.5	4.45
315.0	4.45
337.5	4.45
360.0	4.45