

Nata

委托单位:

灯具名称: 2-2180-M

灯具描述: BJB 47.360.1010

报告编号: 200407-B003

电压(V): 33.1700

测试编号: 200407-C003

电流(A): 0.3490

光源规格型号: LUMINUS CXM-14-AC40

功率(W): 11.5760

每个光源光通量(lm): 1578.8

功率因数: 0.0000

光源数量: 1

镇流器型号: DC

发光面长度(mm): 0

发光面宽度(mm): 0

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1176.45, 灯具效率(%): 74.52% , 灯具效能(lm/w): 101.63

中心光强(cd): 7633.266, 最大光强(cd): 7633.266

最大光强角度: C=0.0 γ=0.0

半峰边角(50%Imax): [C0/180]Total=18.0

[C90/270]Total=18.0

光束扩散角(10%Imax): [C0/180]Total=42.2

[C90/270]Total=42.2

最大允许距高比(1/2): C0_180=0.31 C90_270=0.31

最大允许距高比(1/4): C0_180=0.35 C90_270=0.35

上射光通比(%): 0.00%

下射光通比(%): 74.52%

上射光通比(占灯具): - -

下射光通比(占灯具): 100.00%

CIE Type : 直接型

π立体角内输出光通量比: 98.127%

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
0.0	7633.266	0.000	0	.000%	.000%
1.0	7558.453	7.269	7.269	.460%	.618%
2.0	7327.125	21.365	28.634	1.353%	2.434%
3.0	6954.047	34.156	62.79	2.163%	5.337%
4.0	6486.117	44.989	107.779	2.850%	9.161%
5.0	5979.094	53.625	161.403	3.397%	13.719%
6.0	5371.031	59.648	221.051	3.778%	18.790%
7.0	4806.633	63.173	284.224	4.001%	24.159%
8.0	4305.445	65.213	349.437	4.131%	29.703%
9.0	3792.727	65.631	415.068	4.157%	35.281%
10.0	3324.305	64.407	479.475	4.080%	40.756%
11.0	2960.438	62.797	542.272	3.978%	46.094%
12.0	2633.836	61.153	603.426	3.873%	51.292%
13.0	2289.867	58.432	661.858	3.701%	56.259%
14.0	2038.570	55.404	717.261	3.509%	60.968%
15.0	1814.695	52.899	770.161	3.351%	65.465%
16.0	1593.070	49.933	820.094	3.163%	69.709%
17.0	1385.648	46.387	866.481	2.938%	73.652%
18.0	1221.363	42.984	909.465	2.723%	77.306%
19.0	1060.207	39.695	949.159	2.514%	80.680%
20.0	917.438	36.196	985.356	2.293%	83.756%
21.0	776.897	32.535	1017.89	2.061%	86.522%
22.0	635.555	28.384	1046.274	1.798%	88.935%
23.0	517.936	24.203	1070.478	1.533%	90.992%
24.0	396.977	20.003	1090.481	1.267%	92.692%
25.0	289.195	15.602	1106.083	.988%	94.018%
26.0	214.875	11.899	1117.982	.754%	95.030%
27.0	127.891	8.386	1126.367	.531%	95.743%
28.0	62.972	4.832	1131.2	.306%	96.153%
29.0	28.477	2.393	1133.592	.152%	96.357%
30.0	13.570	1.135	1134.727	.072%	96.453%
31.0	10.821	0.679	1135.406	.043%	96.511%
32.0	10.202	0.602	1136.009	.038%	96.562%
33.0	9.717	0.587	1136.595	.037%	96.612%
34.0	9.246	0.574	1137.169	.036%	96.661%
35.0	8.909	0.564	1137.733	.036%	96.709%
36.0	8.677	0.560	1138.293	.035%	96.756%
37.0	8.445	0.558	1138.851	.035%	96.804%

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
38.0	8.269	0.558	1139.409	.035%	96.851%
39.0	8.121	0.559	1139.969	.035%	96.899%
40.0	8.002	0.562	1140.531	.036%	96.947%
41.0	7.917	0.567	1141.098	.036%	96.995%
42.0	7.847	0.573	1141.671	.036%	97.043%
43.0	7.784	0.579	1142.25	.037%	97.093%
44.0	7.777	0.587	1142.837	.037%	97.143%
45.0	7.770	0.597	1143.434	.038%	97.193%
46.0	7.770	0.608	1144.042	.038%	97.245%
47.0	7.798	0.619	1144.661	.039%	97.298%
48.0	7.826	0.632	1145.293	.040%	97.351%
49.0	7.924	0.647	1145.939	.041%	97.406%
50.0	8.016	0.665	1146.604	.042%	97.463%
51.0	8.128	0.683	1147.287	.043%	97.521%
52.0	8.262	0.703	1147.99	.045%	97.581%
53.0	8.430	0.726	1148.717	.046%	97.642%
54.0	8.585	0.750	1149.466	.048%	97.706%
55.0	8.726	0.773	1150.239	.049%	97.772%
56.0	8.873	0.795	1151.034	.050%	97.839%
57.0	9.000	0.817	1151.852	.052%	97.909%
58.0	9.113	0.838	1152.689	.053%	97.980%
59.0	9.211	0.857	1153.546	.054%	98.053%
60.0	9.267	0.873	1154.419	.055%	98.127%
61.0	9.338	0.888	1155.307	.056%	98.203%
62.0	9.373	0.902	1156.208	.057%	98.279%
63.0	9.380	0.912	1157.12	.058%	98.357%
64.0	9.330	0.918	1158.038	.058%	98.435%
65.0	9.218	0.918	1158.956	.058%	98.513%
66.0	9.077	0.913	1159.869	.058%	98.590%
67.0	8.930	0.905	1160.775	.057%	98.667%
68.0	8.768	0.897	1161.671	.057%	98.744%
69.0	8.599	0.886	1162.557	.056%	98.819%
70.0	8.445	0.875	1163.432	.055%	98.893%
71.0	8.213	0.861	1164.293	.055%	98.966%
72.0	7.931	0.839	1165.133	.053%	99.038%
73.0	7.523	0.808	1165.941	.051%	99.106%
74.0	7.130	0.770	1166.711	.049%	99.172%
75.0	6.799	0.736	1167.447	.047%	99.235%

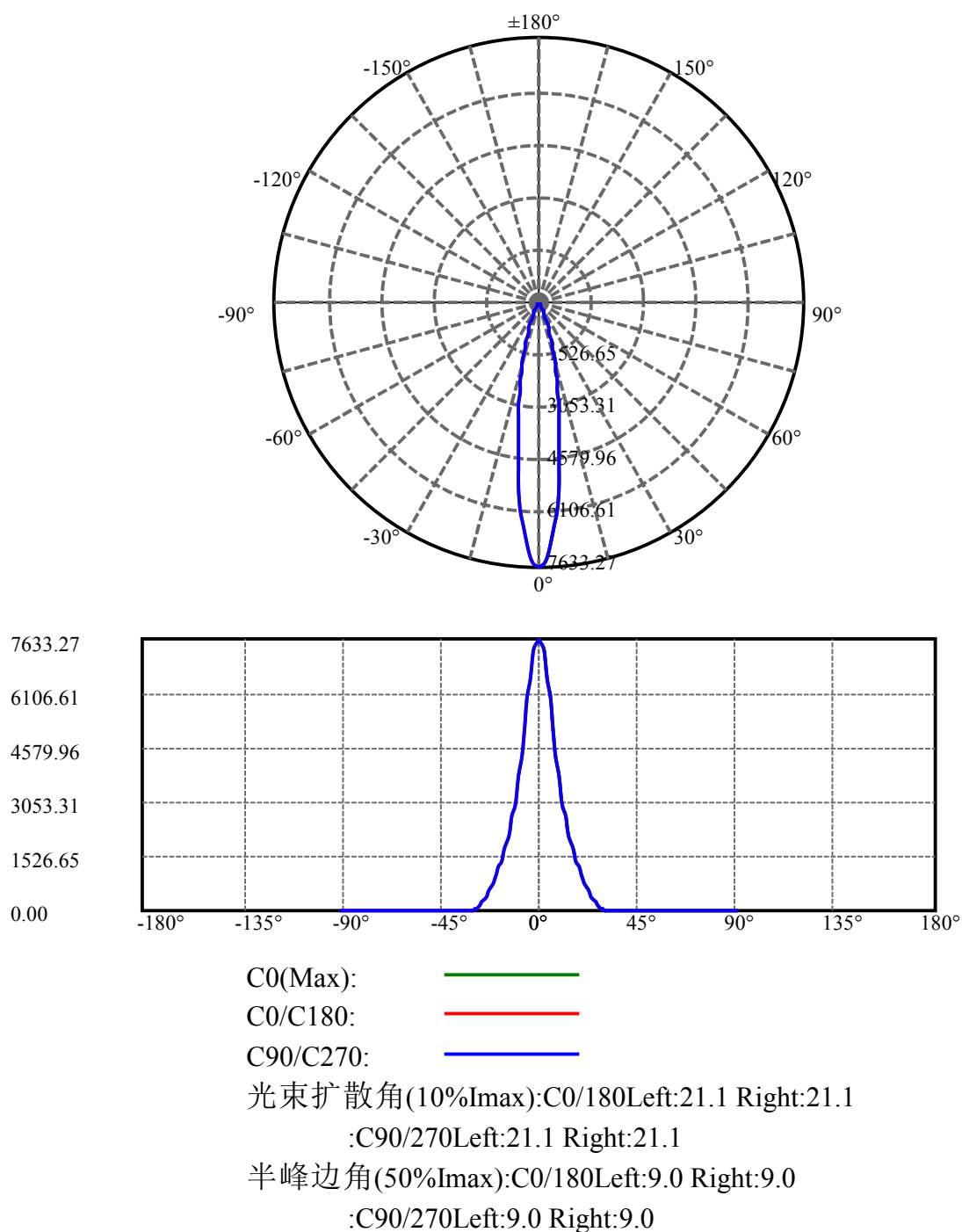
$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
76.0	6.441	0.703	1168.15	.045%	99.294%
77.0	6.223	0.675	1168.825	.043%	99.352%
78.0	6.040	0.656	1169.482	.042%	99.407%
79.0	5.815	0.637	1170.119	.040%	99.462%
80.0	5.667	0.619	1170.738	.039%	99.514%
81.0	5.541	0.606	1171.344	.038%	99.566%
82.0	5.442	0.596	1171.939	.038%	99.616%
83.0	5.372	0.588	1172.527	.037%	99.666%
84.0	5.330	0.583	1173.11	.037%	99.716%
85.0	5.295	0.580	1173.69	.037%	99.765%
86.0	5.210	0.574	1174.264	.036%	99.814%
87.0	5.091	0.564	1174.828	.036%	99.862%
88.0	4.971	0.551	1175.379	.035%	99.909%
89.0	4.873	0.540	1175.919	.034%	99.955%
90.0	4.873	0.534	1176.453	.034%	100.000%

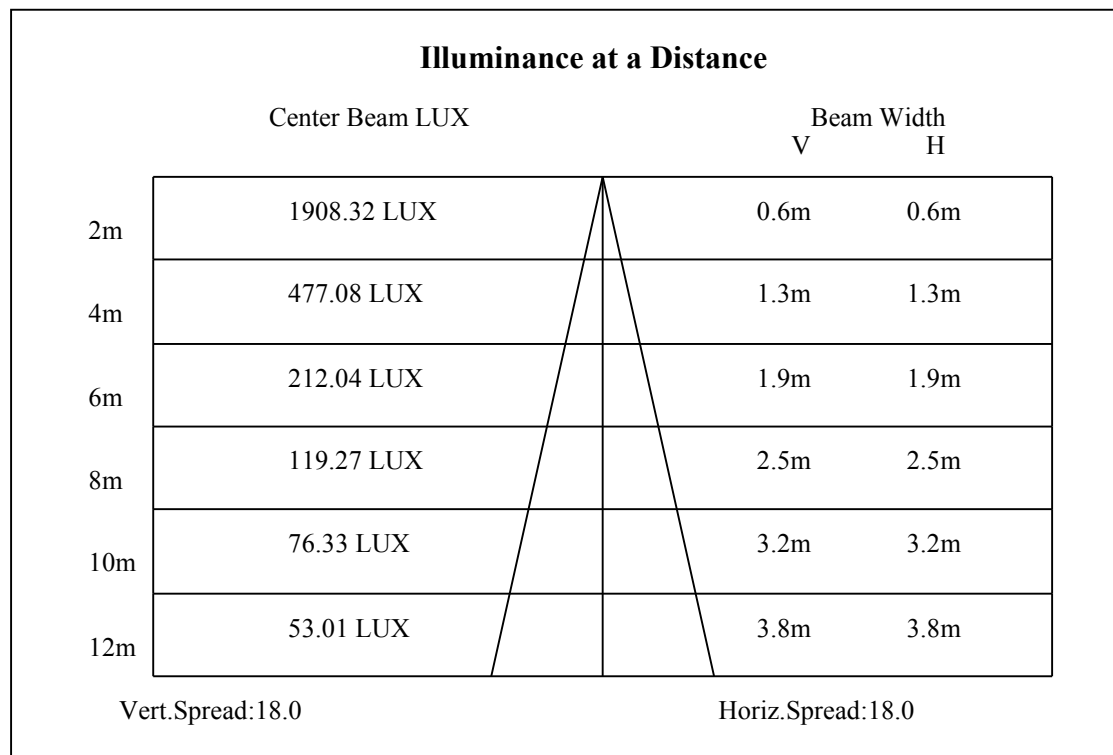
ZONAL LUMEN SUMMARY

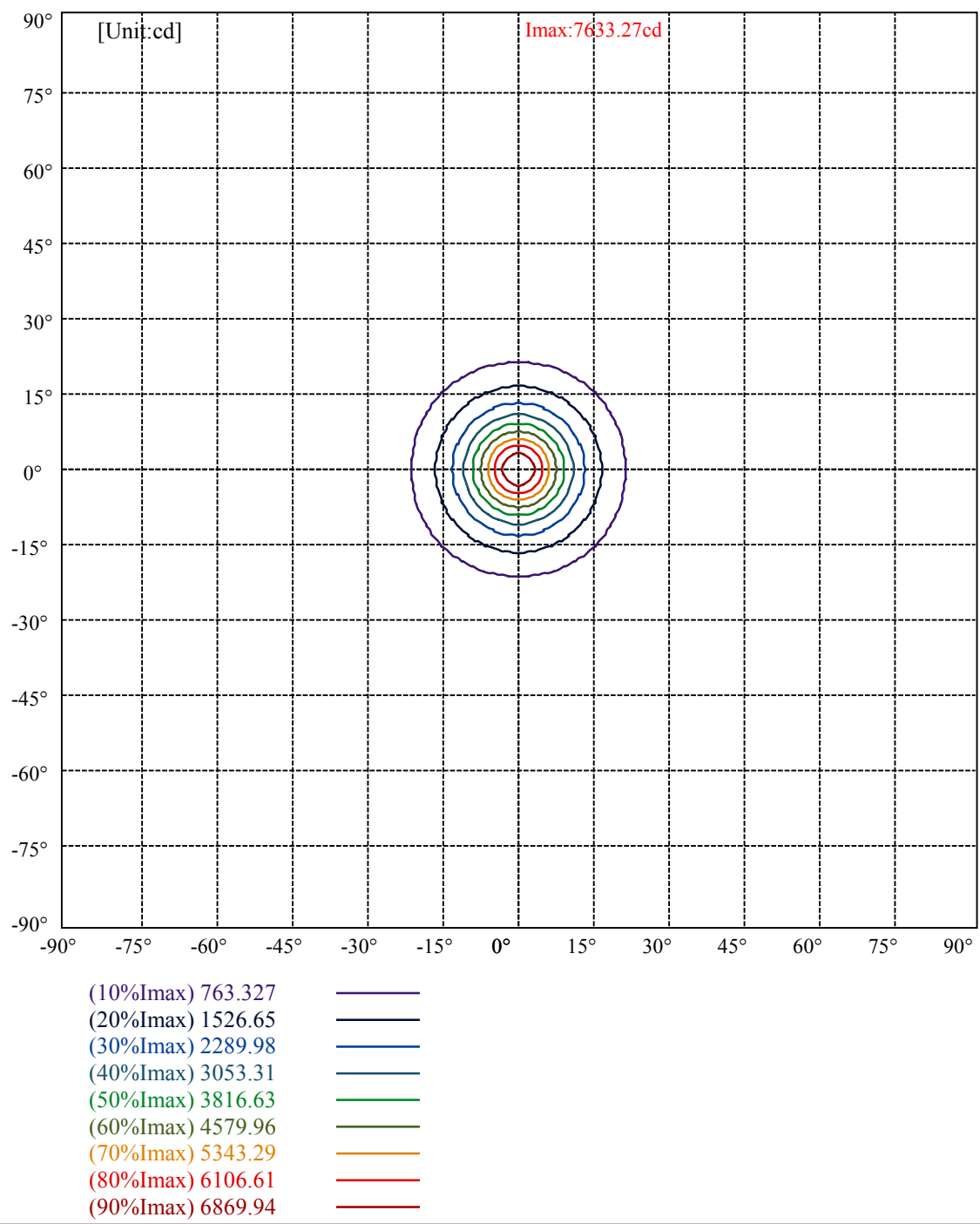
Zone	Lumens	%Lamp	%Fixt
0-30	1134.73	71.87%	96.45%
0-40	1140.53	72.24%	96.95%
0-60	1154.42	73.12%	98.13%
0-90	1175.92	74.48%	99.95%
0-120	1175.92	74.48%	99.95%
0-180	1176.45	74.52%	100.00%
60-90	22.37	1.42%	1.90%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-18.80	941.16	59.61%	80.00%

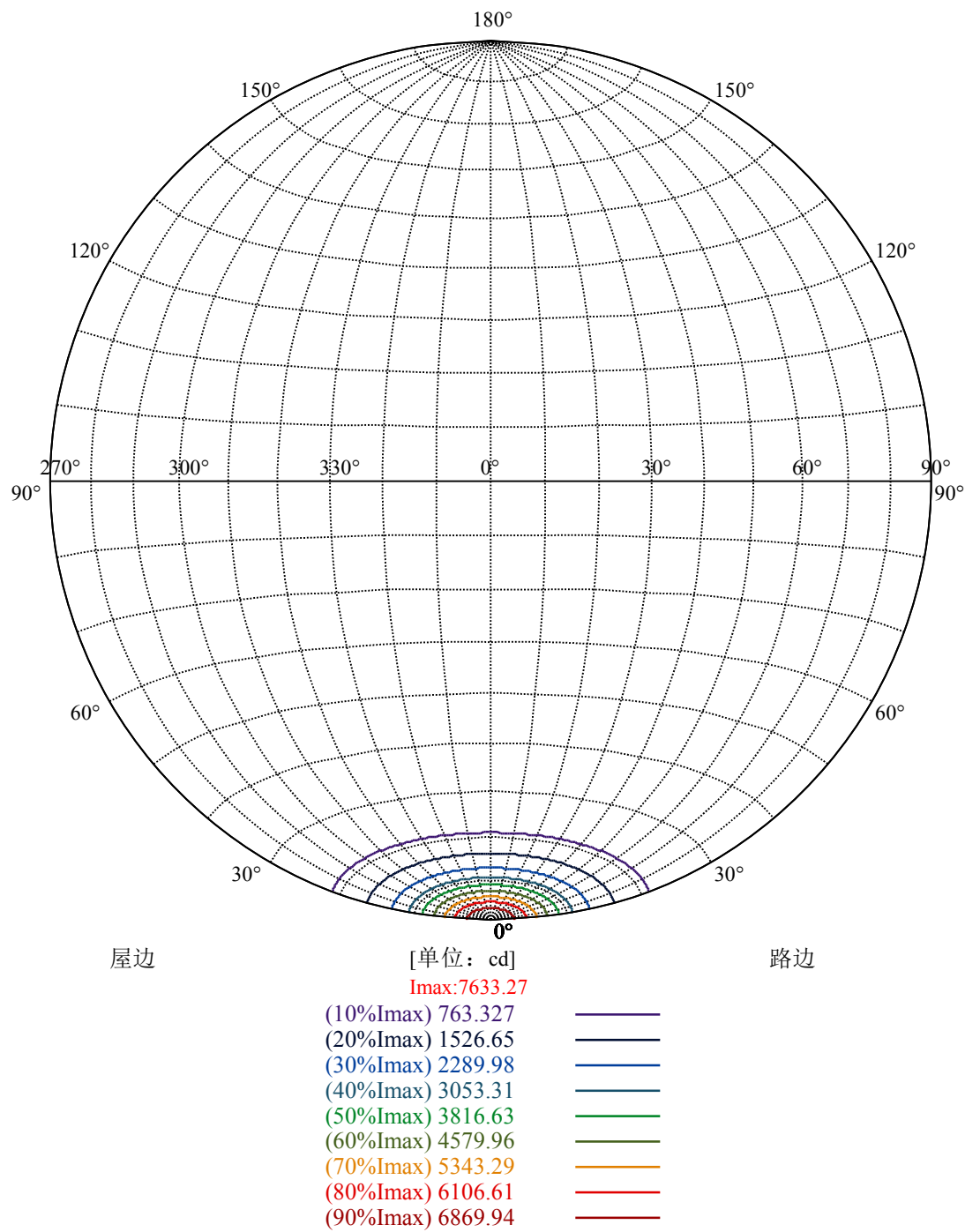
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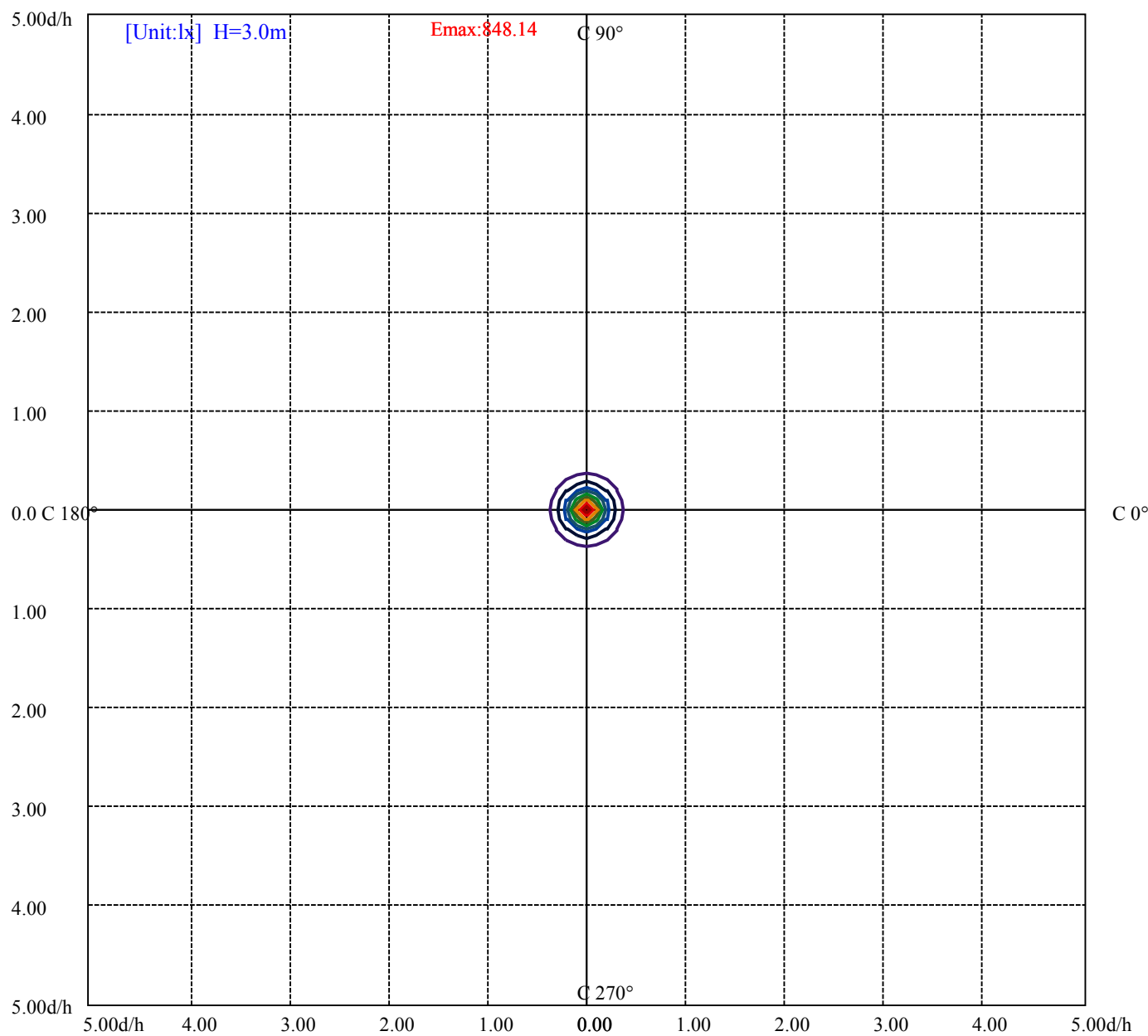
0-10	479.47
10-20	505.88
20-30	149.37
30-40	5.80
40-50	6.07
50-60	7.81
60-70	9.01
70-80	7.31
80-90	5.18
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

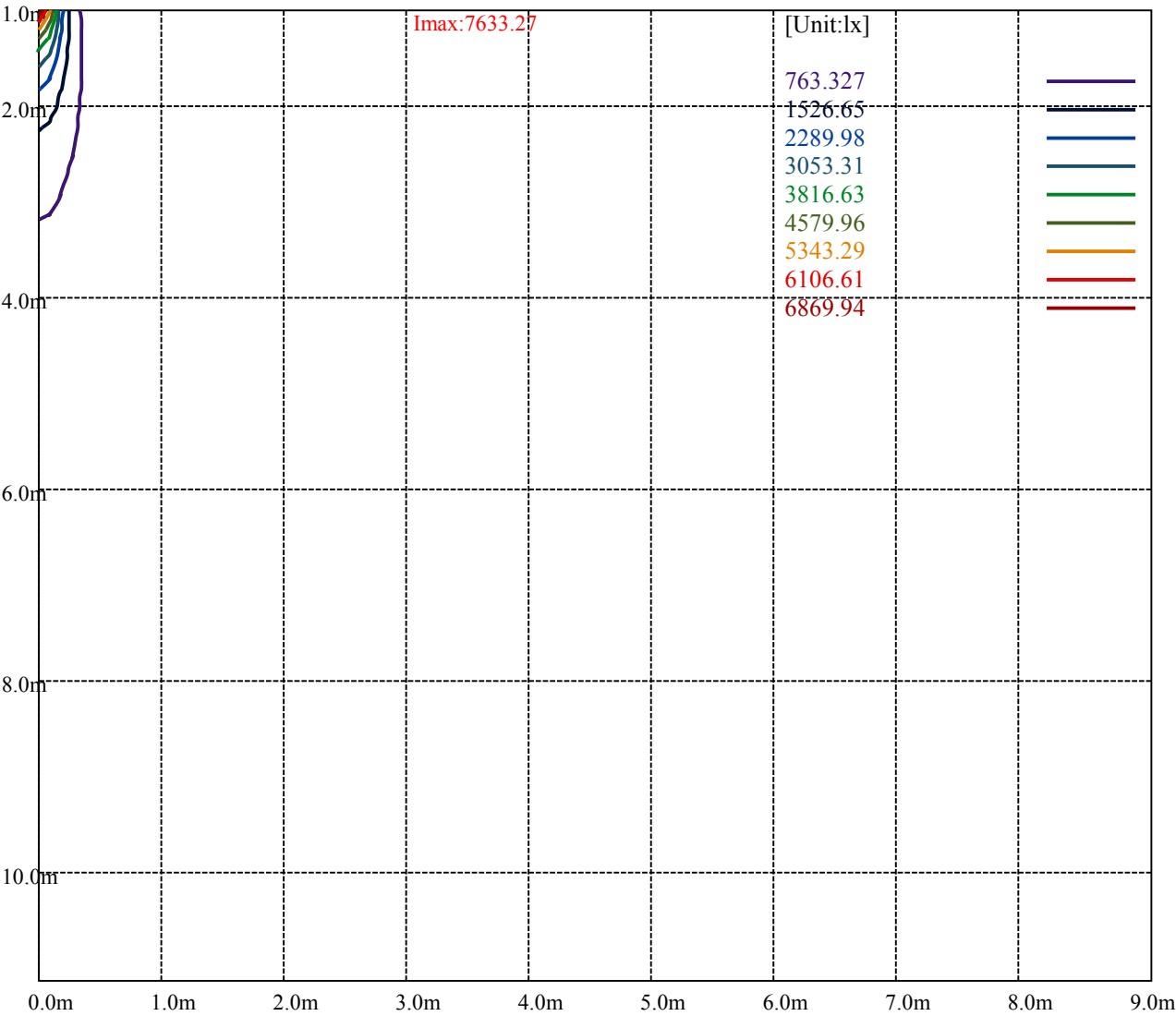












亮度值表

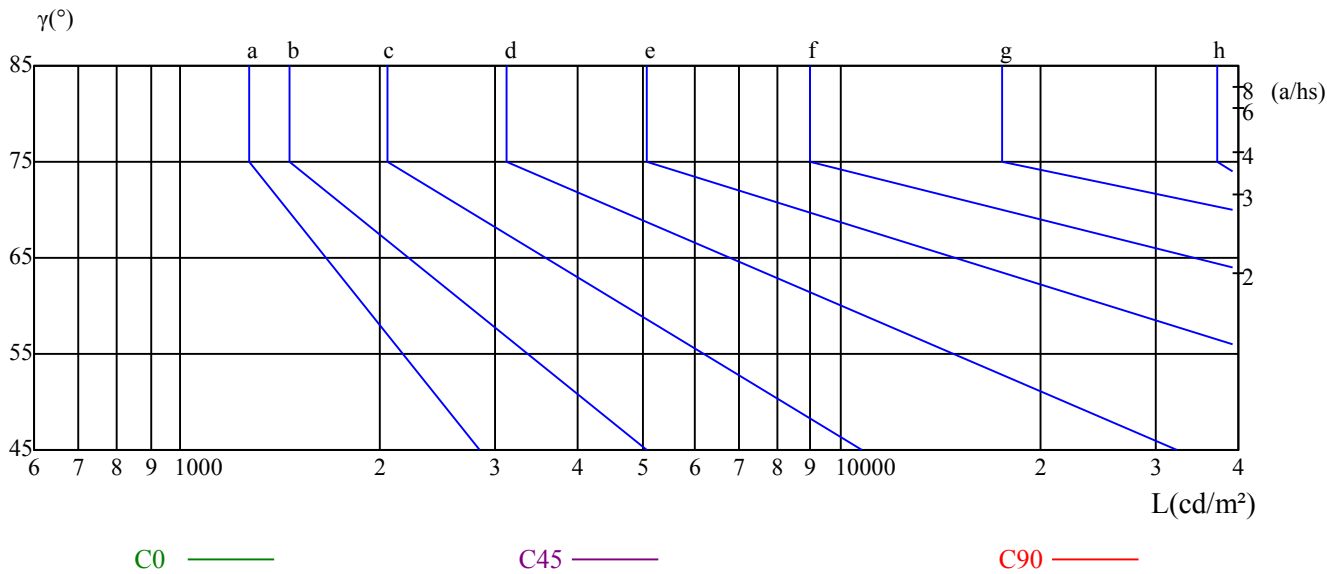
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

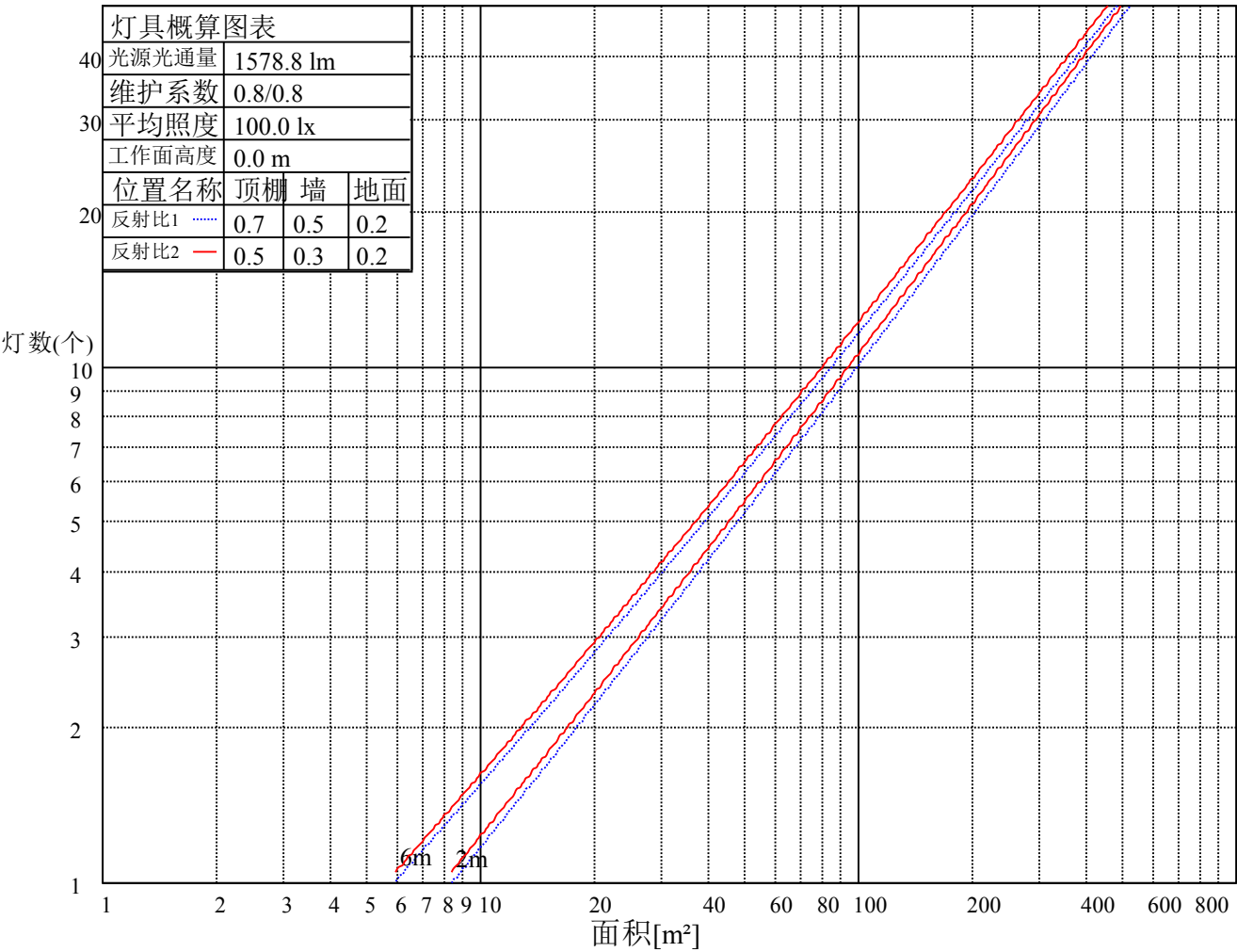
L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

眩光等级表

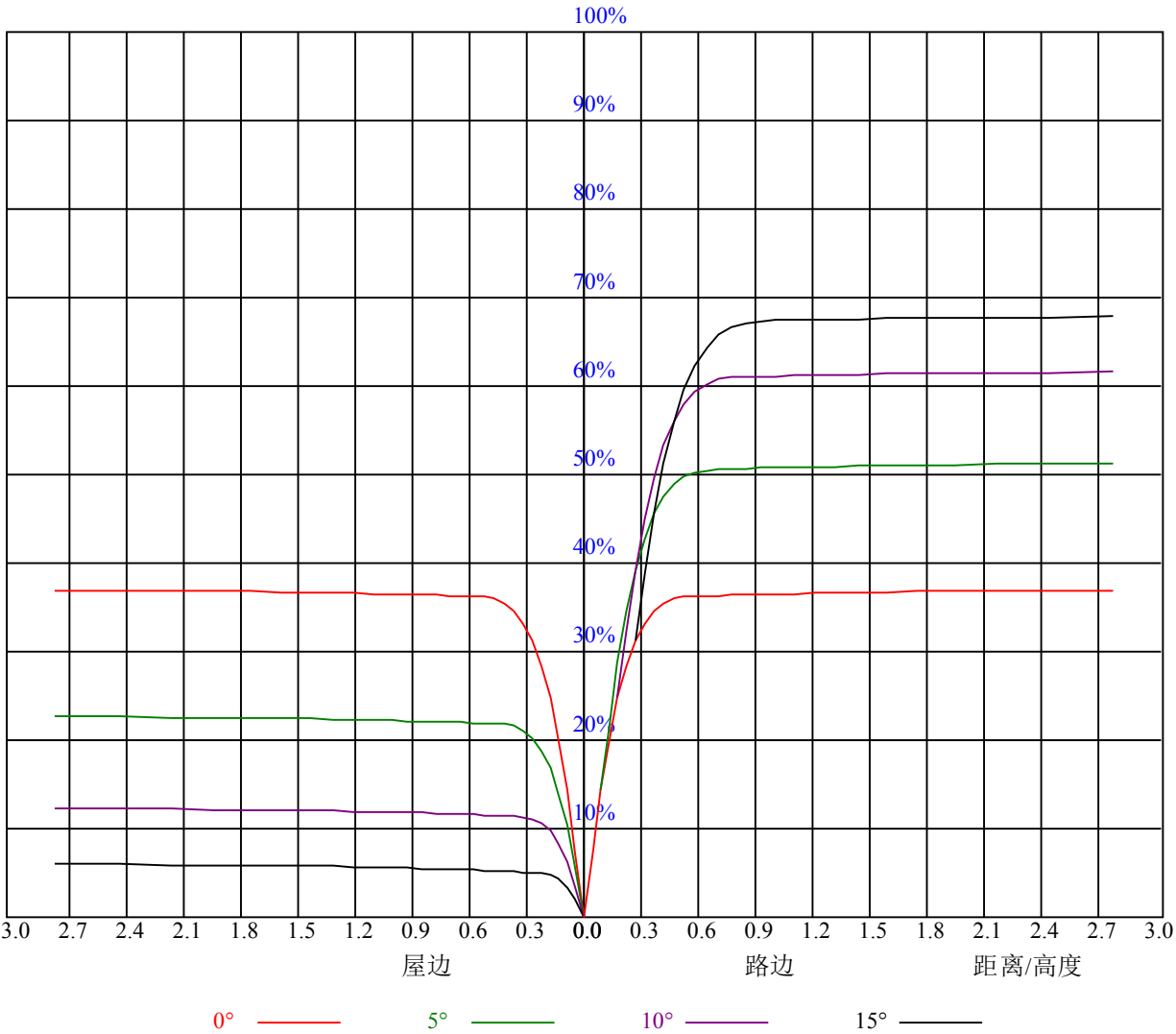
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

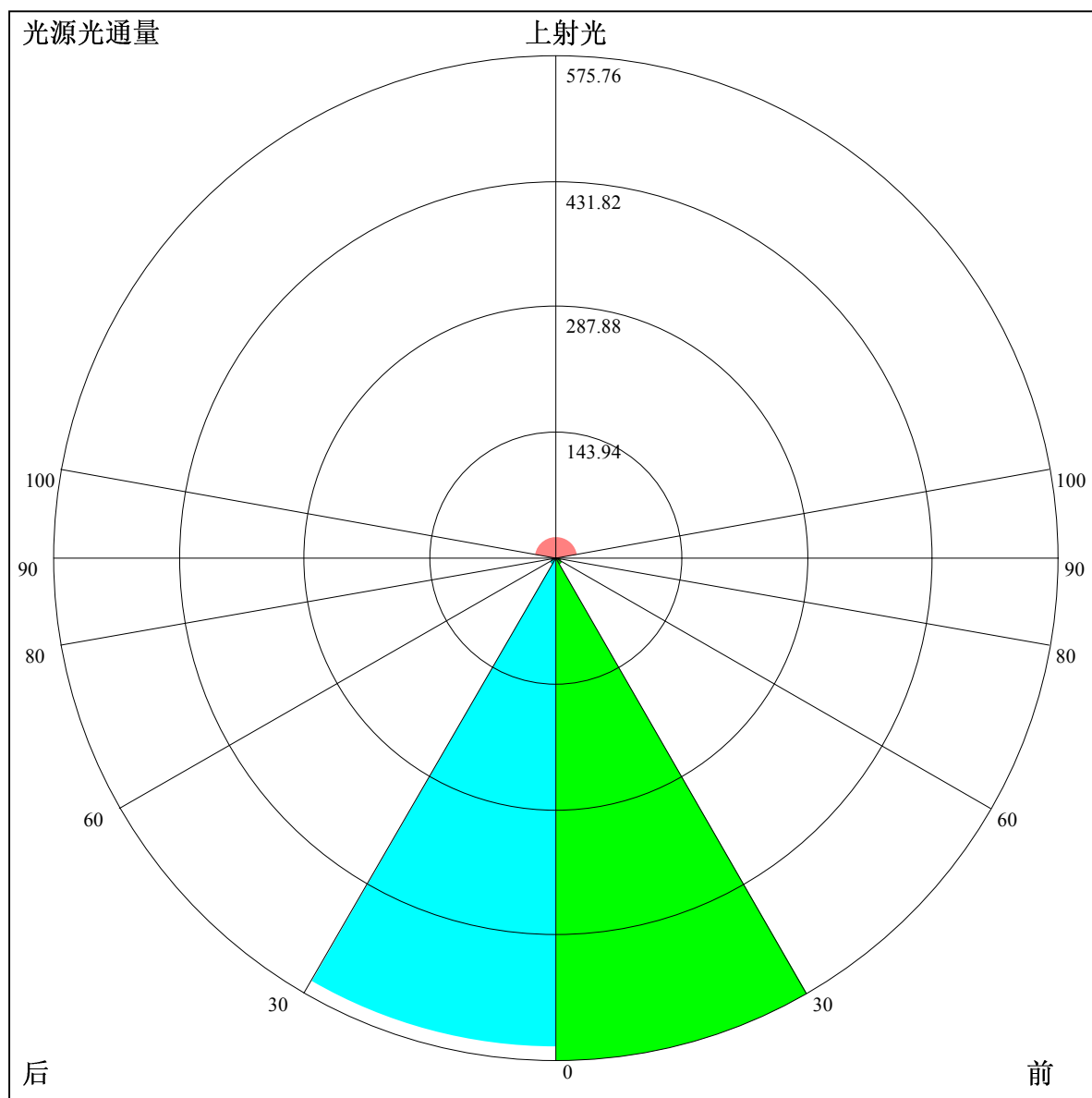
亮度限制曲线





RHOC	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 RHOFC=20 CU															
0	0.89	0.89	0.89	0.87	0.87	0.87	0.83	0.83	0.83	0.79	0.79	0.79	0.76	0.76	0.76	0.75
1	0.84	0.82	0.81	0.82	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.75	0.74	0.74	0.73	0.72
2	0.80	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.73	0.74	0.73	0.72	0.72	0.71	0.70	0.69
3	0.77	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.72	0.71	0.69	0.71	0.69	0.68	0.67
4	0.74	0.71	0.69	0.73	0.71	0.69	0.72	0.70	0.68	0.70	0.69	0.67	0.69	0.68	0.66	0.65
5	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.66	0.69	0.67	0.65	0.68	0.66	0.64	0.64
6	0.69	0.66	0.64	0.69	0.66	0.64	0.68	0.65	0.64	0.67	0.65	0.63	0.66	0.64	0.63	0.62
7	0.67	0.64	0.62	0.67	0.64	0.62	0.66	0.64	0.62	0.65	0.63	0.62	0.65	0.63	0.61	0.61
8	0.66	0.63	0.61	0.65	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.63	0.61	0.60	0.59
9	0.64	0.61	0.59	0.64	0.61	0.59	0.63	0.61	0.59	0.62	0.60	0.59	0.62	0.60	0.58	0.58
10	0.62	0.59	0.58	0.62	0.59	0.58	0.62	0.59	0.57	0.61	0.59	0.57	0.61	0.59	0.57	0.57





光源光通量:

FL=575.76,FM=9.57,FH=8.06,FVH=2.86

BL=561.39,BM=9.35,BH=7.73,BVH=2.84

UL=5.32,UH=25.3

BUG评价:B2-U2-G0

光强数据表(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	7629.75	7619.63	7446.94	7112.25	6689.25	6130.13	5539.50	5015.25	4506.75
45.0	7622.44	7646.63	7489.13	7219.69	6792.19	6338.25	5770.13	5176.13	4658.06
90.0	7651.69	7596.00	7377.19	7061.06	6597.00	6118.88	5539.50	4947.19	4433.63
135.0	7629.19	7627.50	7470.00	7162.31	6775.31	6310.13	5670.56	5140.69	4627.69
180.0	7629.75	7487.44	7229.25	6810.75	6282.56	5768.44	5234.06	4575.38	4079.25
225.0	7622.44	7455.94	7161.75	6654.38	6158.81	5628.38	4957.31	4445.44	3965.63
270.0	7651.69	7558.31	7292.81	6868.69	6392.25	5862.38	5185.13	4660.31	4164.75
315.0	7629.19	7476.19	7149.94	6743.25	6201.56	5676.19	5072.06	4492.69	4007.81
360.0	7629.75	7619.63	7446.94	7112.25	6689.25	6130.13	5539.50	5015.25	4506.75
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3913.31	3489.75	3111.19	2736.00	2403.56	2142.56	1882.13	1650.94	1464.19
45.0	4110.75	3609.56	3214.13	2905.31	2486.81	2221.88	2012.63	1749.38	1540.69
90.0	3957.75	3432.94	3066.19	2745.00	2387.81	2136.38	1907.44	1681.31	1473.75
135.0	4029.75	3591.56	3196.69	2806.31	2466.00	2198.25	1931.06	1724.06	1515.38
180.0	3630.38	3137.63	2795.06	2493.00	2193.75	1929.38	1721.81	1512.00	1341.56
225.0	3530.25	3046.50	2708.44	2408.06	2080.13	1852.88	1653.19	1447.31	1208.25
270.0	3604.50	3208.50	2855.25	2541.94	2196.00	1952.44	1738.13	1519.31	1323.56
315.0	3565.13	3078.00	2736.56	2435.06	2104.88	1874.81	1671.19	1460.25	1217.81
360.0	3913.31	3489.75	3111.19	2736.00	2403.56	2142.56	1882.13	1650.94	1464.19
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1275.75	1124.44	965.25	817.31	689.06	554.63	428.06	324.00	288.00
45.0	1384.88	1184.06	1025.44	900.56	734.63	610.88	495.56	359.44	286.88
90.0	1305.00	1108.97	983.36	833.79	689.91	569.76	442.46	324.96	232.31
135.0	1315.13	1158.75	1004.06	848.25	717.19	594.00	453.94	349.88	288.56
180.0	1104.02	995.85	860.18	718.48	581.63	467.61	362.81	246.32	168.30
225.0	1106.27	948.88	820.01	680.68	545.63	432.62	315.39	215.55	143.04
270.0	1165.50	1004.63	855.56	730.69	592.88	478.69	357.75	284.63	166.84
315.0	1114.37	956.08	825.64	685.41	533.53	435.32	319.84	208.80	145.07
360.0	1275.75	1124.44	965.25	817.31	689.06	554.63	428.06	324.00	288.00
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	142.82	77.74	34.93	14.74	12.38	11.64	11.14	10.63	10.29
45.0	176.29	97.99	51.69	19.18	11.64	11.08	10.58	10.07	9.68
90.0	157.28	82.13	36.96	12.60	9.84	9.11	8.55	7.99	7.59
135.0	171.00	92.25	44.49	16.59	10.74	10.13	9.62	9.06	8.66
180.0	105.41	50.40	17.94	12.38	11.53	10.91	10.52	10.18	9.90
225.0	84.38	32.63	13.44	11.64	10.80	10.24	9.79	9.39	9.11
270.0	101.64	42.13	15.41	10.58	9.56	8.94	8.44	7.93	7.59
315.0	84.32	28.52	12.94	10.86	10.07	9.56	9.11	8.72	8.44
360.0	142.82	77.74	34.93	14.74	12.38	11.64	11.14	10.63	10.29
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	10.01	9.84	9.62	9.51	9.39	9.34	9.28	9.28	9.39
45.0	9.45	9.23	9.00	8.83	8.78	8.66	8.55	8.49	8.44
90.0	7.31	6.98	6.81	6.64	6.47	6.36	6.30	6.19	6.13
135.0	8.44	8.16	7.99	7.76	7.59	7.48	7.37	7.31	7.26
180.0	9.68	9.45	9.28	9.17	9.06	9.00	8.94	8.89	8.89
225.0	8.89	8.72	8.61	8.49	8.38	8.33	8.27	8.21	8.21
270.0	7.37	7.09	6.92	6.81	6.64	6.58	6.53	6.41	6.41
315.0	8.27	8.10	7.93	7.76	7.71	7.59	7.54	7.48	7.48
360.0	10.01	9.84	9.62	9.51	9.39	9.34	9.28	9.28	9.39

光强数据表(cd)

附页 第 18页 共19页

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	9.56	9.79	10.01	10.18	10.69	10.97	11.31	11.76	12.21
45.0	8.44	8.38	8.38	8.38	8.38	8.44	8.49	8.61	8.78
90.0	6.13	6.08	6.08	6.08	6.02	6.02	6.02	6.02	6.02
135.0	7.20	7.20	7.14	7.14	7.09	7.09	7.03	7.03	7.03
180.0	8.89	8.94	9.06	9.28	9.62	10.13	10.63	11.25	11.98
225.0	8.16	8.16	8.10	8.04	8.04	7.99	8.04	7.99	8.04
270.0	6.36	6.30	6.30	6.24	6.30	6.30	6.30	6.30	6.30
315.0	7.43	7.31	7.31	7.26	7.26	7.20	7.20	7.14	7.09
360.0	9.56	9.79	10.01	10.18	10.69	10.97	11.31	11.76	12.21
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	12.60	13.05	13.44	13.73	14.12	14.40	14.63	14.85	15.02
45.0	8.89	9.00	9.11	9.23	9.28	9.39	9.39	9.45	9.56
90.0	6.02	6.02	6.08	6.08	6.08	6.08	6.08	6.08	6.13
135.0	7.03	6.98	6.92	6.92	6.92	6.92	6.86	6.86	6.81
180.0	12.66	13.16	13.78	14.18	14.51	14.79	15.02	15.19	15.24
225.0	8.16	8.27	8.38	8.55	8.72	8.83	8.89	8.94	8.94
270.0	6.30	6.30	6.30	6.36	6.30	6.30	6.36	6.41	6.36
315.0	7.03	7.03	6.98	6.98	6.98	6.98	6.92	6.92	6.92
360.0	12.60	13.05	13.44	13.73	14.12	14.40	14.63	14.85	15.02
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.19	15.24	15.08	14.63	13.95	13.28	12.49	11.59	10.74
45.0	9.68	9.73	9.73	9.68	9.56	9.39	9.28	9.23	9.11
90.0	6.13	6.13	6.13	6.13	6.24	6.41	6.64	6.98	7.26
135.0	6.81	6.81	6.75	6.75	6.69	6.69	6.58	6.53	6.47
180.0	15.08	14.63	13.89	13.16	12.38	11.48	10.58	9.73	8.78
225.0	8.89	8.78	8.66	8.61	8.61	8.66	8.66	8.66	8.49
270.0	6.41	6.47	6.64	6.86	7.20	7.54	7.93	8.27	8.33
315.0	6.86	6.86	6.86	6.81	6.81	6.69	6.64	6.58	6.53
360.0	15.19	15.24	15.08	14.63	13.95	13.28	12.49	11.59	10.74
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.84	8.27	7.03	6.69	6.41	6.24	6.02	5.85	5.74
45.0	9.00	8.72	8.38	8.04	7.48	7.03	6.81	6.41	6.19
90.0	7.43	7.43	7.43	7.03	6.47	6.13	5.85	5.57	5.40
135.0	6.41	6.36	6.30	6.24	6.08	6.02	5.91	5.74	5.63
180.0	7.71	6.81	6.41	6.19	5.96	5.79	5.68	5.51	5.40
225.0	8.33	7.99	7.71	7.48	6.98	6.64	6.36	6.08	5.85
270.0	8.27	8.21	7.48	6.53	6.02	5.85	5.74	5.51	5.40
315.0	6.47	6.41	6.30	6.19	6.13	6.08	5.96	5.85	5.74
360.0	9.84	8.27	7.03	6.69	6.41	6.24	6.02	5.85	5.74
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.63	5.51	5.40	5.34	5.29	5.23	5.18	5.12	4.84
45.0	5.91	5.63	5.57	5.46	5.40	5.34	5.46	5.18	4.89
90.0	5.29	5.29	5.18	5.18	5.12	5.12	4.95	4.89	4.84
135.0	5.57	5.46	5.34	5.29	5.23	5.18	5.12	4.95	4.95
180.0	5.29	5.29	5.23	5.23	5.23	5.12	4.89	4.78	4.84
225.0	5.63	5.57	5.63	5.63	5.74	5.29	5.01	4.95	4.89
270.0	5.34	5.29	5.23	5.23	5.18	5.23	5.01	4.95	4.84
315.0	5.68	5.51	5.40	5.29	5.18	5.18	5.12	4.95	4.89
360.0	5.63	5.51	5.40	5.34	5.29	5.23	5.18	5.12	4.84

光强数据表(cd)

C/ γ (°)	90.0
0.0	4.84
45.0	4.89
90.0	4.89
135.0	4.89
180.0	4.78
225.0	4.89
270.0	4.84
315.0	4.95
360.0	4.84