

浙大三色

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ROLED

灯具名称: 地埋灯

灯具描述: G1034A-18-UN(15-OL-18WN-AA, P1)

报告编号:

电压(V): 220.3000

测试编号: 20210323007

电流(A): 0.0980

光源规格型号: OL

功率(W): 20.4000

每个光源光通量(lm)

功率因数: 0.9400

光源数量: 18

镇流器型号:

发光面长度(mm): 162

发光面宽度(mm): 162

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1934.16

灯具效能(lm/w): 94.81

中心光强(cd): 15249.300

最大光强(cd): 15289.200

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=14.5

[C90/270]Total=14.9

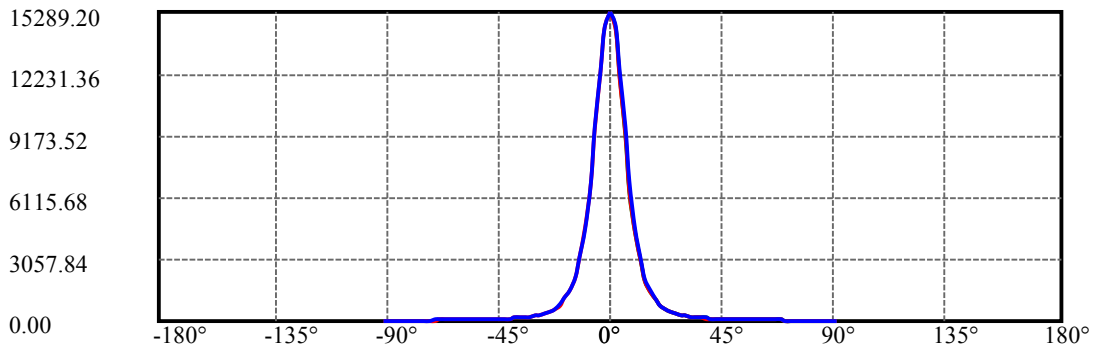
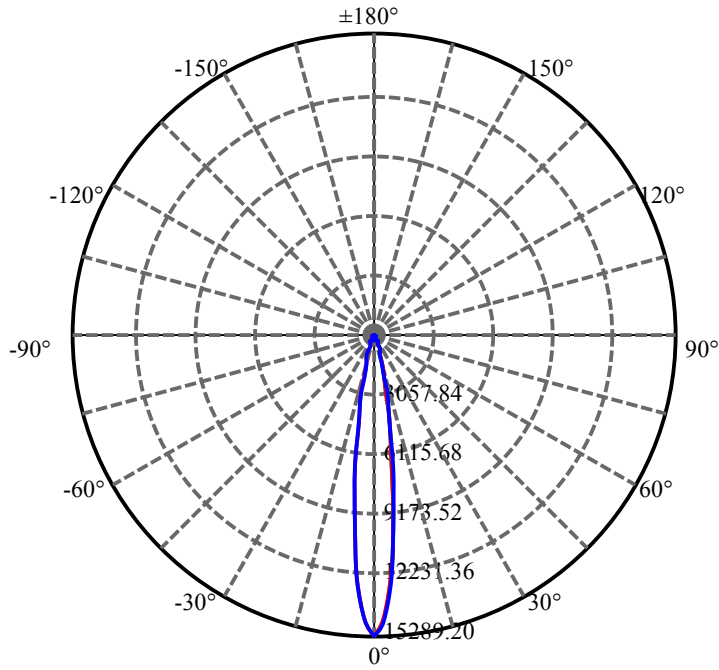
光束扩散角(10%Imax): [C0/180]Total=31.6

[C90/270]Total=31.9

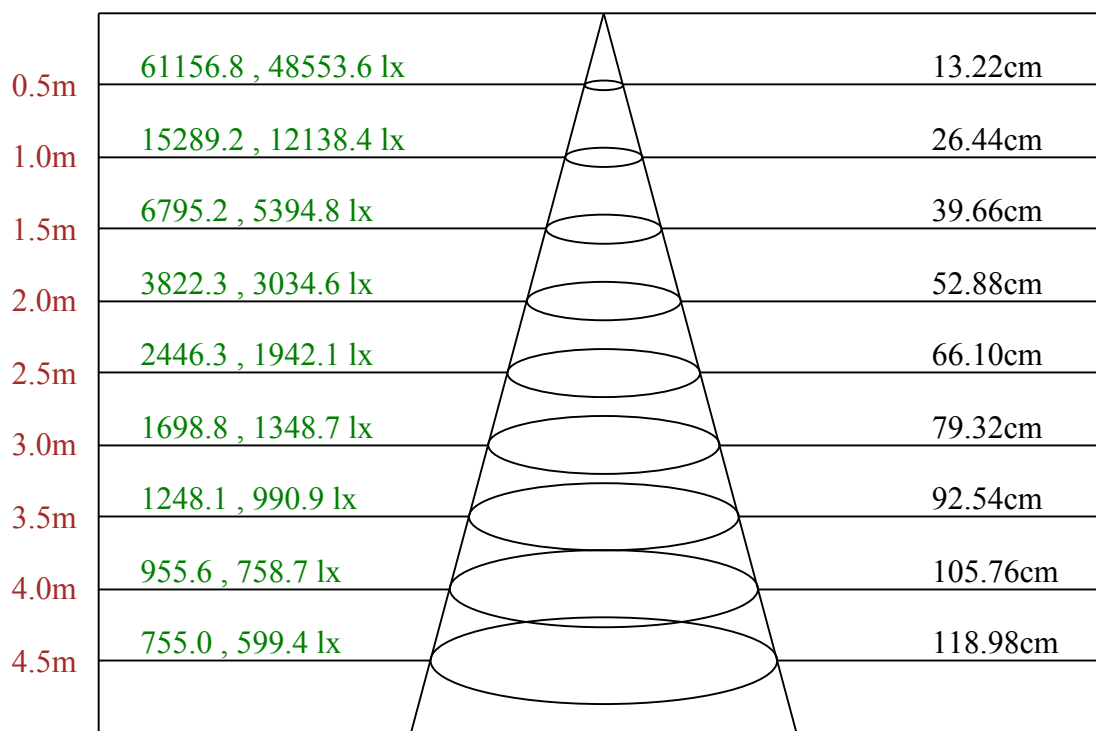
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/23
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

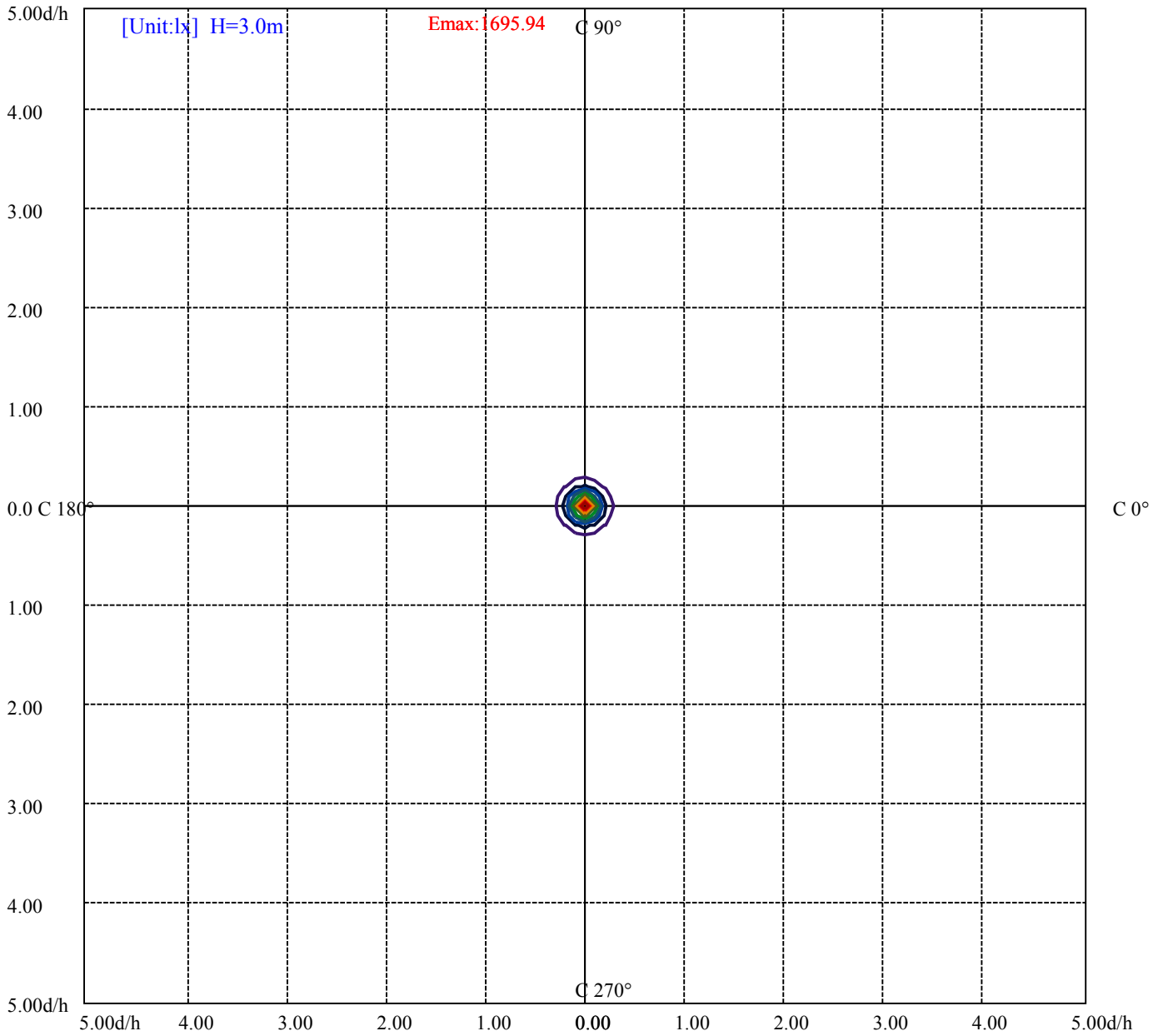


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角15.06

ROLED 地埋灯
平面等照度曲线



- (10%Emax) 169.5933
- (20%Emax) 339.1866
- (30%Emax) 508.78
- (40%Emax) 678.3733
- (50%Emax) 847.9678
- (60%Emax) 1017.561
- (70%Emax) 1187.156
- (80%Emax) 1356.745
- (90%Emax) 1526.344

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环境温度(°C): 25.0

测试日期: 2021/3/23
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

ROLED 地埋灯

灯具的亮度限制曲线(灯具无发光侧边)

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亮度值表

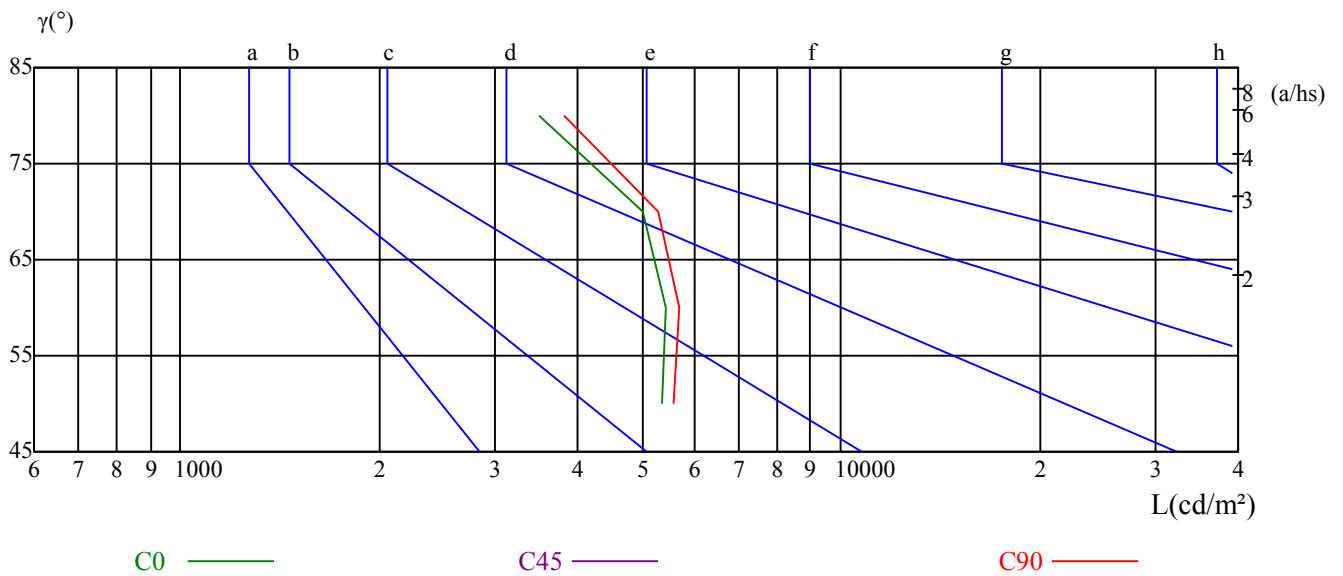
γ	45	50	55	60	65	70	75	80	85
C0	0	5345	0	5427	0	5001	0	3502	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5586	0	5678	0	5275	0	3806	0

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



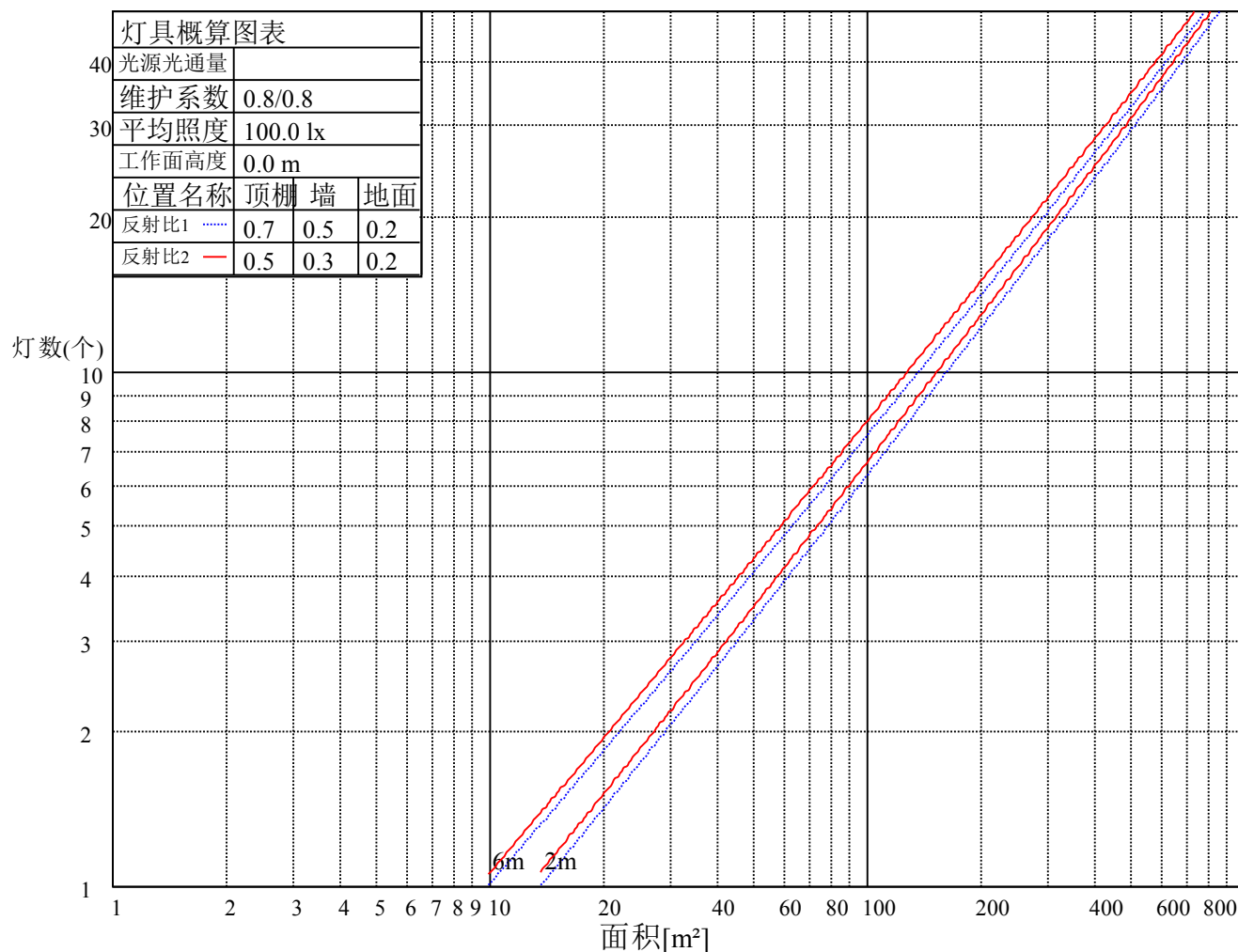
测试设备: GMS1800
环境温度($^{\circ}\text{C}$): 25.0

测试日期: 2021/3/23
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

参照UGR的照射评估											
天花板反射率	70	70	50	50	30	70	70	50	50	30	
墙壁反射率	50	30	50	30	30	50	30	50	30	30	
地板反射率	20	20	20	20	20	20	20	20	20	20	
空间尺寸	Viewed crosswise					Viewed endwise					
X	Y										
2H	2H	11.67	12.73	12.03	13.04	13.36	11.49	12.56	11.86	12.87	13.18
	3H	13.64	14.58	14.02	14.91	15.28	13.31	14.26	13.70	14.59	14.96
	4H	14.29	15.16	14.69	15.52	15.90	13.93	14.81	14.34	15.16	15.55
	6H	14.68	15.48	15.10	15.85	16.25	14.32	15.12	14.74	15.49	15.89
	8H	14.75	15.51	15.19	15.90	16.31	14.39	15.15	14.82	15.54	15.95
	12H	14.79	15.51	15.22	15.89	16.33	14.42	15.14	14.86	15.53	15.96
4H	2H	12.28	13.15	12.68	13.51	13.90	12.14	13.02	12.55	13.37	13.76
	3H	14.40	15.12	14.82	15.53	15.94	14.13	14.84	14.54	15.25	15.66
	4H	15.15	15.79	15.59	16.22	16.66	14.84	15.48	15.28	15.91	16.35
	6H	15.56	16.11	16.02	16.56	17.03	15.24	15.79	15.71	16.24	16.71
	8H	15.65	16.17	16.13	16.62	17.09	15.33	15.85	15.81	16.30	16.77
	12H	15.69	16.13	16.18	16.62	17.10	15.36	15.81	15.85	16.29	16.77
8H	4H	15.35	15.86	15.82	16.31	16.78	15.07	15.59	15.55	16.04	16.51
	6H	15.86	16.27	16.37	16.77	17.26	15.59	15.99	16.09	16.50	16.98
	8H	16.01	16.37	16.54	16.89	17.39	15.73	16.09	16.26	16.61	17.11
	12H	16.61	16.92	17.13	17.42	17.99	16.33	16.64	16.85	17.14	17.72
12H	4H	15.33	15.78	15.82	16.27	16.74	15.07	15.51	15.56	16.00	16.47
	6H	16.21	16.23	16.41	16.70	17.25	15.94	15.96	16.14	16.44	16.98
	8H	16.05	16.36	16.57	16.86	17.44	15.78	16.09	16.30	16.59	17.17
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.6					0.2/-0.6					
S = 1.5H	0.8/-0.6					0.8/-0.6					
S = 2.0H	1.0/-0.6					1.0/-0.7					
标准表格	BK3					BK3					
更正系数	-0.7					-0.9					

ROLED 地埋灯 灯具的概算曲线



ROLED 地埋灯

灯具的利用系数表

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 RHOFC=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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95
2	1.05	1.01	0.98	1.03	1.00	0.97	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.93	0.91	0.90
3	0.99	0.95	0.92	0.98	0.94	0.91	0.96	0.92	0.90	0.93	0.90	0.88	0.91	0.89	0.87	0.85
4	0.95	0.90	0.87	0.94	0.89	0.86	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.82
5	0.91	0.86	0.83	0.90	0.86	0.82	0.88	0.84	0.82	0.87	0.83	0.81	0.85	0.82	0.80	0.79
6	0.87	0.83	0.79	0.87	0.82	0.79	0.85	0.81	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.76
7	0.85	0.80	0.76	0.84	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.75	0.74
8	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.80	0.76	0.73	0.79	0.76	0.73	0.72
9	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.70
10	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.69

ROLED 地埋灯

光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	15249.30	14332.28	12004.06	9168.61	6472.82	4328.77	2909.89	2007.46	1415.04
30.0	15289.20	14412.86	12068.52	9160.93	6406.82	4360.23	2909.89	1994.41	1428.85
60.0	15237.79	14065.23	11756.20	8886.21	6150.52	4107.00	2807.06	1921.51	1387.80
90.0	15250.06	14527.20	12373.94	9560.74	6906.38	4532.12	3077.18	2094.17	1488.71
120.0	15239.32	14326.14	12083.87	9409.56	6616.32	4446.18	3036.51	2063.47	1481.34
150.0	15222.44	14699.09	12667.08	9879.97	7195.68	4865.16	3266.72	2233.83	1593.84
180.0	15249.30	14441.25	12334.80	9500.88	6830.41	4632.65	3131.66	2154.02	1508.97
210.0	15289.20	14555.59	12471.39	9606.01	6857.27	4737.01	3205.33	2226.93	1526.92
240.0	15237.79	14752.80	12905.73	10062.60	7295.44	4989.48	3410.22	2375.03	1679.02
270.0	15250.06	14447.39	12384.68	9554.60	6821.21	4594.28	3160.05	2187.02	1519.79
300.0	15239.32	14523.36	12538.92	9672.01	7069.84	4796.10	3175.40	2189.32	1562.38
330.0	15222.44	14155.79	11729.34	8853.22	6309.37	4191.41	2859.24	1971.39	1391.94
360.0	15249.30	14332.28	12004.06	9168.61	6472.82	4328.77	2909.89	2007.46	1415.04
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1000.66	740.52	558.65	436.64	345.78	284.77	237.58	205.66	178.80
30.0	1022.14	741.29	559.42	441.24	349.92	286.23	241.72	206.42	181.02
60.0	991.83	721.26	547.45	433.72	344.55	282.47	239.42	205.35	180.26
90.0	1058.21	775.05	573.23	452.75	365.73	293.83	247.86	212.03	185.78
120.0	1038.34	760.62	574.53	453.52	357.90	291.53	245.64	209.72	181.94
150.0	1137.25	818.02	620.04	479.61	387.52	306.95	254.69	215.56	188.24
180.0	1115.15	800.76	609.22	469.63	371.33	297.97	250.32	212.72	184.25
210.0	1149.53	830.99	626.64	483.06	378.55	305.65	257.30	218.40	188.39
240.0	1210.15	874.81	651.50	497.26	393.66	316.39	264.51	224.99	193.76
270.0	1121.60	811.42	614.36	469.86	372.94	301.89	255.08	217.17	188.08
300.0	1101.18	799.61	608.53	468.87	390.59	301.58	253.23	216.09	186.70
330.0	994.06	735.15	554.43	434.18	349.77	285.62	241.65	206.65	179.26
360.0	1000.66	740.52	558.65	436.64	345.78	284.77	237.58	205.66	178.80
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	157.70	142.12	128.61	117.49	108.74	101.68	95.23	90.17	85.49
30.0	159.69	142.50	128.69	118.10	109.20	101.83	96.00	90.78	86.18
60.0	158.08	142.27	128.84	118.41	109.81	102.67	97.15	91.85	87.33
90.0	164.37	147.41	133.75	122.93	113.57	105.90	99.76	94.23	89.32
120.0	160.30	144.34	130.61	119.79	110.89	103.44	97.23	92.24	87.63
150.0	165.68	147.34	133.52	122.40	113.19	104.90	98.84	93.24	88.63
180.0	163.30	145.72	132.14	120.55	111.50	103.14	97.00	91.47	86.79
210.0	166.21	147.87	133.75	121.25	112.65	104.59	98.45	92.85	88.32
240.0	169.82	151.17	135.52	123.55	115.03	106.82	100.45	94.85	90.17
270.0	166.67	149.10	134.67	123.24	114.57	106.51	100.07	94.69	89.86
300.0	164.68	146.88	132.37	120.86	112.42	104.67	98.38	92.85	88.17
330.0	158.46	142.81	129.07	118.71	110.04	102.75	97.23	91.24	87.17
360.0	157.70	142.12	128.61	117.49	108.74	101.68	95.23	90.17	85.49
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	81.34	77.97	74.51	71.21	67.15	62.31	57.09	51.26	44.89
30.0	81.88	78.04	74.21	70.83	66.84	62.16	57.25	51.18	45.43
60.0	83.11	79.19	75.36	71.75	67.84	63.00	57.86	51.80	45.66
90.0	84.87	81.03	77.66	74.51	70.60	65.84	60.47	54.02	47.35
120.0	83.26	79.12	75.20	71.29	67.15	62.92	57.86	52.03	46.04
150.0	84.26	80.19	76.74	72.90	69.06	64.61	56.40	48.88	41.21
180.0	82.88	78.66	73.51	68.91	65.30	62.00	52.95	49.11	42.13
210.0	84.33	80.50	76.66	73.13	69.14	64.77	59.78	54.56	48.11
240.0	85.87	82.34	78.58	74.97	71.14	66.61	61.62	55.86	49.88
270.0	86.10	82.26	78.96	75.59	71.90	67.07	61.70	55.79	49.11
300.0	83.80	79.88	75.97	72.21	68.45	63.85	59.16	53.56	47.35
330.0	83.03	79.04	75.28	71.60	67.99	63.23	58.17	52.03	46.20
360.0	81.34	77.97	74.51	71.21	67.15	62.31	57.09	51.26	44.89

ROLED 地埋灯

光强数据表(cd)

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C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	38.91	33.15	27.55	22.02	15.96	10.36	4.83	0.77	0.38
30.0	39.14	33.30	27.63	22.02	16.50	10.28	4.91	0.84	0.38
60.0	39.21	33.30	27.32	21.87	15.65	9.98	4.60	0.77	0.31
90.0	40.75	34.76	28.93	23.25	17.34	11.28	5.45	0.77	0.46
120.0	39.67	33.46	27.70	22.48	16.27	10.44	4.91	0.77	0.38
150.0	34.69	29.24	25.71	21.18	17.11	11.36	5.91	1.00	0.38
180.0	36.30	32.00	27.78	22.41	16.58	10.82	5.22	0.92	0.38
210.0	41.90	35.15	29.31	23.79	17.88	11.51	5.91	1.15	0.46
240.0	43.20	36.76	30.70	24.79	18.80	12.66	6.22	1.61	0.54
270.0	42.28	35.53	29.77	23.71	17.42	11.36	5.99	1.07	0.54
300.0	40.82	34.69	29.08	23.33	17.80	11.43	5.37	1.07	0.54
330.0	39.83	33.53	28.09	22.64	16.73	10.36	4.76	0.77	0.46
360.0	38.91	33.15	27.55	22.02	15.96	10.36	4.83	0.77	0.38

C/γ(°)	90.0
0.0	0.00
30.0	0.08
60.0	0.00
90.0	0.00
120.0	0.00
150.0	0.08
180.0	0.08
210.0	0.15
240.0	0.15
270.0	0.15
300.0	0.08
330.0	0.08
360.0	0.00