

浙大三色

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ROLED

灯具名称: 地埋灯

灯具描述: G1034A-18-UN(10-OL-18WN-AA, P1)

报告编号:

电压(V): 220.3000

测试编号: 20210323006

电流(A): 0.0980

光源规格型号: OL

功率(W): 20.5000

每个光源光通量(lm)

功率因数: 0.9440

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): 1905.81

灯具效能(lm/w): 92.97

中心光强(cd): 20304.770

最大光强(cd): 20350.810

最大光强角度: $C=150.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=10.6

[C90/270]Total=10.5

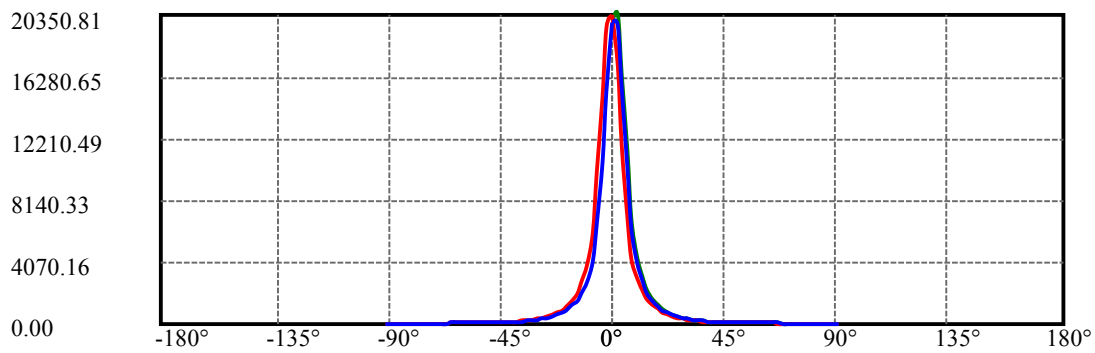
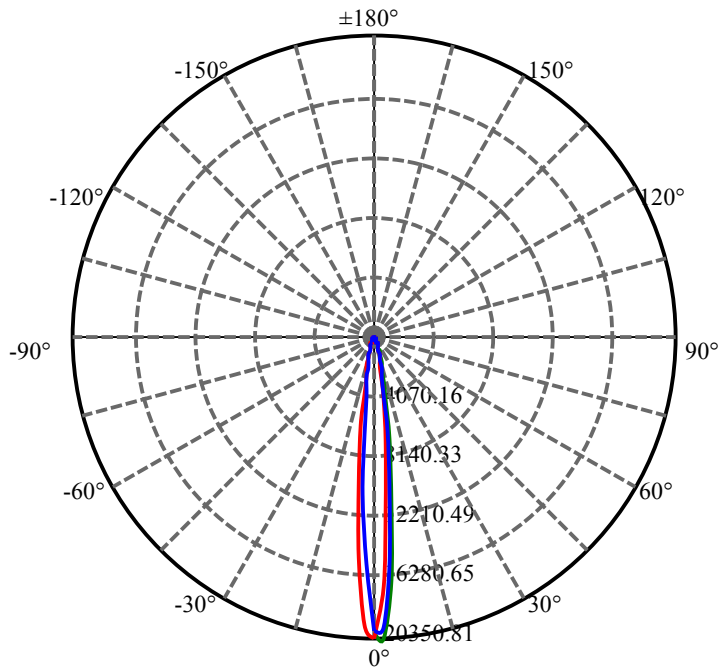
光束扩散角(10%Imax): [C0/180]Total=26.4

[C90/270]Total=26.7

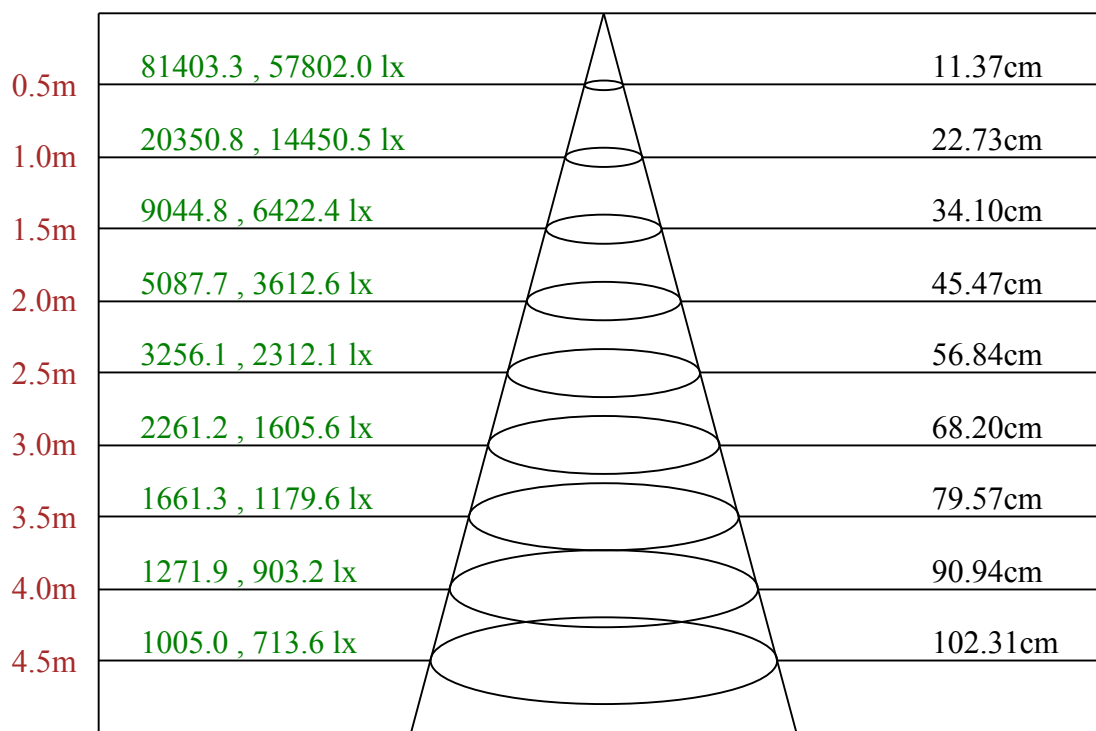
测试设备: GMS1800
环境温度(°C): 25.0

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

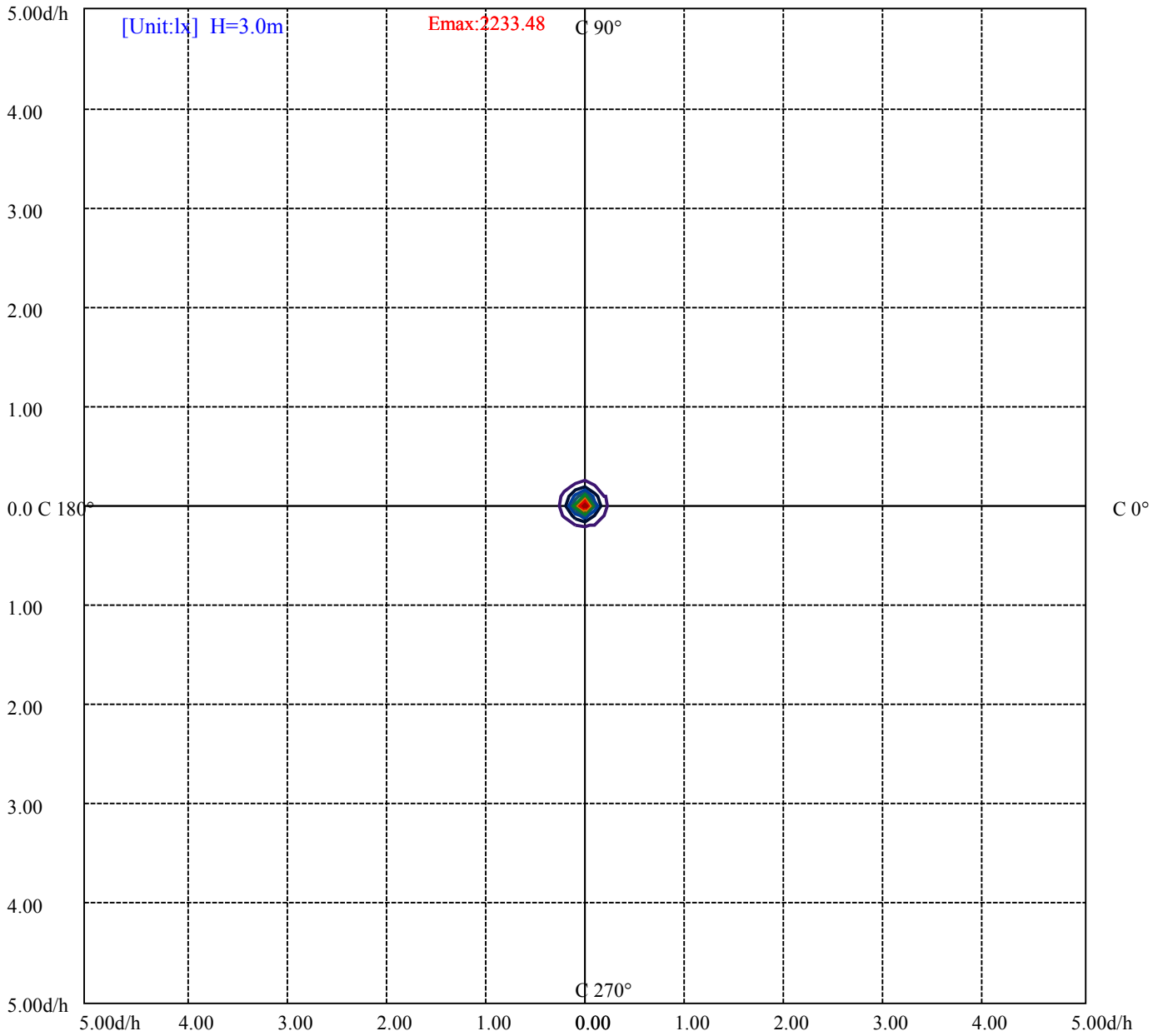


C150(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C150面光束角12.96

ROLED 地埋灯
平面等照度曲线



- (10%Emax) 223.3467
- (20%Emax) 446.6945
- (30%Emax) 670.0411
- (40%Emax) 893.3889
- (50%Emax) 1116.733
- (60%Emax) 1340.078
- (70%Emax) 1563.433
- (80%Emax) 1786.778
- (90%Emax) 2010.122

ROLED 地埋灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

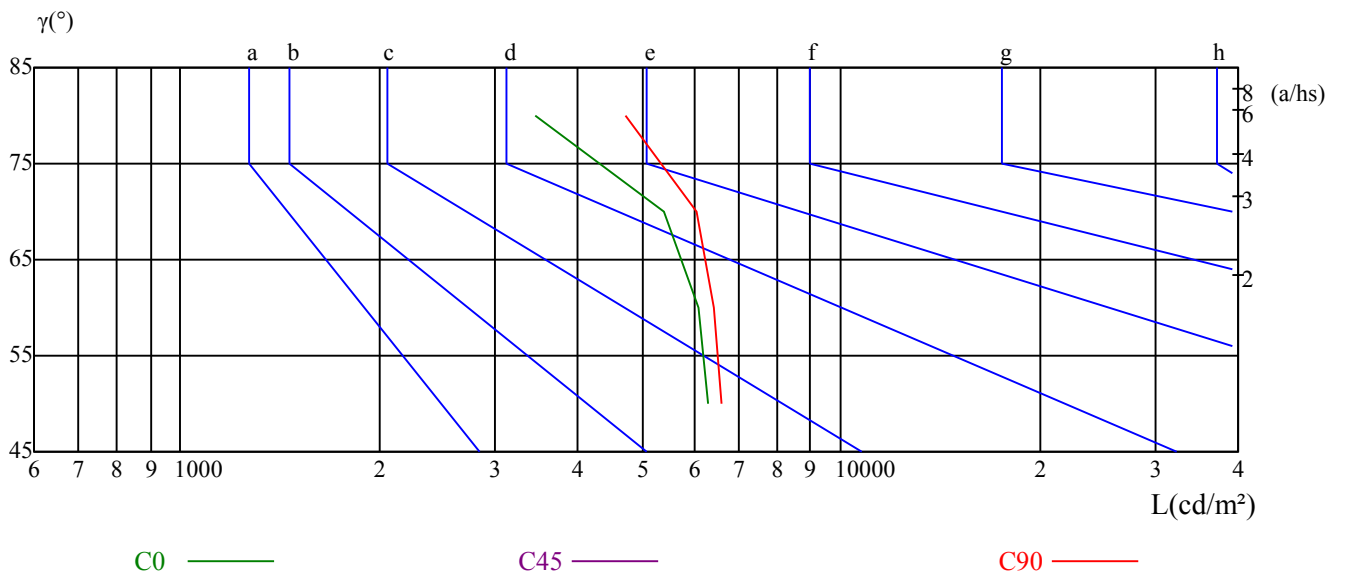
γ	45	50	55	60	65	70	75	80	85
C0	0	6291	0	6088	0	5386	0	3452	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6614	0	6421	0	6036	0	4715	0

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

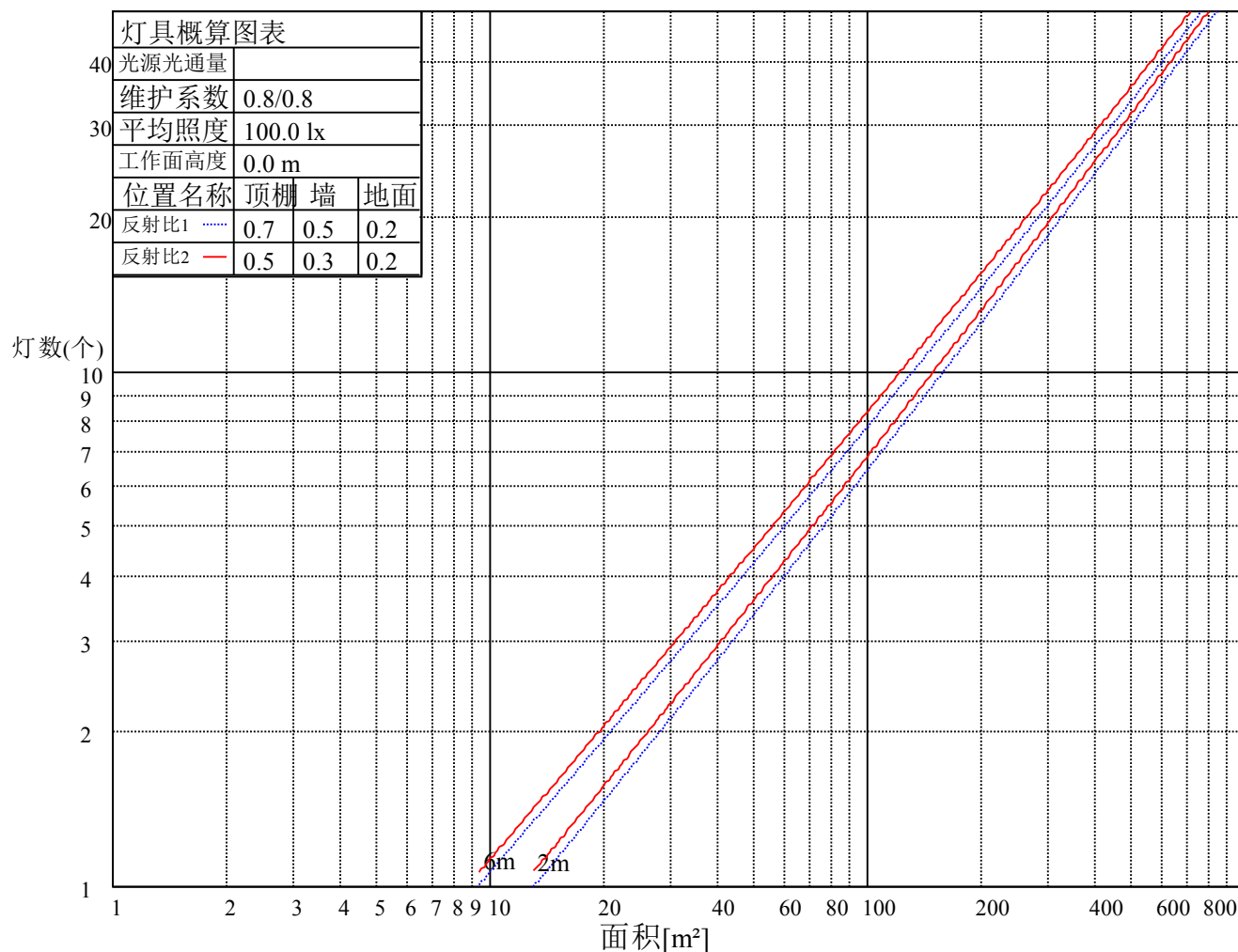
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

亮度限制曲线



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	12.51	13.60	12.88	13.91	14.23	12.42	13.51	12.79	13.82	14.14
	3H	14.36	15.32	14.74	15.66	16.02	14.16	15.13	14.55	15.46	15.83
	4H	14.99	15.89	15.40	16.24	16.63	14.78	15.67	15.19	16.03	16.41
	6H	15.38	16.20	15.80	16.57	16.97	15.16	15.98	15.58	16.35	16.75
	8H	15.46	16.23	15.89	16.62	17.03	15.24	16.01	15.67	16.40	16.81
	12H	15.50	16.23	15.93	16.62	17.05	15.28	16.02	15.71	16.40	16.83
4H	2H	13.08	13.97	13.48	14.32	14.71	13.01	13.90	13.41	14.25	14.64
	3H	15.11	15.84	15.52	16.25	16.65	14.93	15.66	15.34	16.07	16.47
	4H	15.84	16.50	16.28	16.92	17.37	15.64	16.30	16.08	16.72	17.17
	6H	16.25	16.81	16.72	17.26	17.73	16.04	16.60	16.51	17.05	17.52
	8H	16.35	16.87	16.82	17.32	17.80	16.14	16.66	16.61	17.11	17.59
	12H	16.39	16.85	16.88	17.33	17.81	16.18	16.63	16.67	17.12	17.60
8H	4H	16.04	16.57	16.52	17.02	17.49	15.86	16.39	16.34	16.84	17.31
	6H	16.56	16.98	17.07	17.48	17.96	16.37	16.79	16.88	17.29	17.77
	8H	16.71	17.08	17.24	17.60	18.09	16.52	16.89	17.05	17.41	17.91
	12H	17.29	17.61	17.81	18.11	18.69	17.12	17.43	17.64	17.93	18.51
12H	4H	16.03	16.49	16.52	16.97	17.45	15.85	16.31	16.34	16.80	17.27
	6H	16.93	16.94	17.10	17.41	17.96	16.74	16.76	16.92	17.23	17.77
	8H	16.75	17.07	17.27	17.57	18.14	16.57	16.89	17.09	17.39	17.96
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.6					0.2/-0.5					
S = 1.5H	0.8/-0.6					0.8/-0.6					
S = 2.0H	1.1/-0.7					1.1/-0.8					
标准表格	BK3					BK3					
更正系数	0.3					-0.1					

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	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.04	1.00	0.97	1.02	0.99	0.96	0.99	0.96	0.94	0.96	0.94	0.92	0.94	0.92	0.90	0.89
3	0.98	0.94	0.90	0.97	0.93	0.90	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.88	0.85	0.84
4	0.94	0.89	0.85	0.92	0.88	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.87	0.84	0.82	0.80
5	0.89	0.84	0.81	0.88	0.84	0.80	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.78	0.77
6	0.86	0.81	0.77	0.85	0.80	0.77	0.84	0.80	0.76	0.82	0.79	0.76	0.81	0.78	0.75	0.74
7	0.83	0.78	0.74	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.72
8	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.77	0.73	0.71	0.70
9	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.75	0.71	0.69	0.68
10	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.66

ROLED 地埋灯

光强数据表(cd)

附页 第9页 共10页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	20304.77	16905.29	11702.48	6998.47	4351.02	2984.33	2137.14	1631.44	1225.50
30.0	20120.60	17626.63	12669.38	7865.60	4811.45	3256.74	2340.50	1746.55	1329.10
60.0	20082.23	18179.14	13171.24	8306.08	5179.02	3423.26	2502.41	1861.65	1423.41
90.0	19852.02	19591.11	15508.67	10236.80	6376.89	4021.05	2797.09	2081.89	1563.91
120.0	20258.73	20005.49	15208.62	10401.01	6293.25	4087.81	2836.99	2101.84	1531.45
150.0	19967.12	20350.81	16475.56	11372.51	6990.80	4381.72	3057.99	2223.09	1690.53
180.0	20304.77	19445.31	14884.79	9964.38	6056.13	3889.83	2762.55	2016.66	1527.85
210.0	20120.60	18440.05	13235.70	8606.89	5329.43	3559.86	2530.81	1883.91	1450.95
240.0	20082.23	17780.10	12723.09	7857.93	5018.64	3342.69	2381.94	1791.06	1377.44
270.0	19852.02	15291.50	10612.81	6591.76	4135.39	2805.53	2079.59	1530.92	1210.84
300.0	20258.73	16444.87	10889.07	6645.48	4159.18	2876.13	2037.38	1557.01	1184.83
330.0	19967.12	15298.41	10247.54	6139.78	3950.45	2695.79	1972.16	1515.72	1150.14
360.0	20304.77	16905.29	11702.48	6998.47	4351.02	2984.33	2137.14	1631.44	1225.50
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	952.31	748.96	599.32	479.61	393.66	332.20	280.02	241.42	209.95
30.0	1039.03	807.28	642.29	514.14	416.69	348.70	293.06	250.24	216.78
60.0	1095.12	856.47	668.92	530.64	432.65	355.06	298.59	253.08	220.54
90.0	1197.87	923.15	728.24	576.30	468.10	389.83	319.84	272.88	234.66
120.0	1221.05	940.11	741.06	586.43	470.25	388.37	322.53	271.80	233.59
150.0	1276.15	994.52	771.98	614.67	490.35	396.73	330.89	278.02	237.50
180.0	1190.28	915.86	714.96	572.92	460.35	376.78	317.00	268.04	230.52
210.0	1113.23	863.07	672.14	541.77	437.71	360.59	301.96	256.92	221.46
240.0	1051.31	829.53	650.73	514.14	417.45	347.47	290.07	248.78	217.93
270.0	935.05	731.77	577.22	472.55	388.06	322.30	275.18	237.35	206.73
300.0	920.85	724.40	574.00	466.56	388.29	322.07	272.50	237.66	207.11
330.0	890.77	698.31	557.35	451.29	375.86	312.78	266.28	230.37	202.20
360.0	952.31	748.96	599.32	479.61	393.66	332.20	280.02	241.42	209.95
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	186.47	167.75	152.94	139.66	128.69	119.40	112.57	106.13	100.30
30.0	192.46	171.89	155.93	142.19	130.45	121.55	112.88	106.67	100.60
60.0	194.61	175.04	158.31	144.57	133.14	123.09	115.26	108.12	102.29
90.0	205.27	182.41	165.06	150.18	138.28	127.23	118.71	111.58	105.21
120.0	205.04	181.56	164.45	149.41	136.59	125.85	117.33	110.27	103.67
150.0	206.88	184.40	165.37	150.71	137.97	126.85	117.95	110.96	104.13
180.0	201.59	179.95	162.22	148.33	135.83	125.31	116.72	110.20	103.37
210.0	196.37	175.19	158.16	144.73	132.99	122.78	115.57	108.66	102.37
240.0	191.84	172.66	155.78	142.89	131.84	122.93	114.95	108.12	101.91
270.0	184.09	167.06	151.63	139.66	128.69	119.94	112.96	106.51	101.22
300.0	184.25	166.14	150.87	138.20	128.23	119.25	111.65	105.21	99.07
330.0	180.10	162.45	148.87	136.82	126.31	117.49	110.35	103.60	98.15
360.0	186.47	167.75	152.94	139.66	128.69	119.40	112.57	106.13	100.30
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	95.38	90.40	85.18	79.88	74.67	68.53	62.31	55.56	48.34
30.0	94.92	89.55	84.03	78.96	73.67	67.99	62.16	56.02	49.65
60.0	96.54	91.01	85.49	79.81	74.67	69.06	63.77	57.71	51.80
90.0	99.84	94.54	89.78	84.26	78.96	73.21	67.45	60.93	54.18
120.0	98.30	92.70	87.25	81.42	76.28	70.91	65.23	59.78	53.49
150.0	98.07	92.62	87.25	82.11	76.89	71.83	65.30	56.10	48.50
180.0	95.85	90.01	84.41	78.66	73.74	64.61	59.78	54.18	48.73
210.0	96.84	91.55	86.10	81.11	75.82	70.29	64.69	58.78	52.26
240.0	96.08	90.86	85.10	79.73	75.05	69.60	64.15	58.24	51.80
270.0	96.08	90.93	85.49	80.19	75.13	68.83	62.62	55.71	49.19
300.0	93.39	87.94	82.42	76.81	71.52	65.84	60.09	54.10	47.27
330.0	92.70	87.10	81.27	76.28	70.98	65.30	59.93	53.79	46.96
360.0	95.38	90.40	85.18	79.88	74.67	68.53	62.31	55.56	48.34

ROLED 地埋灯

光强数据表(cd)

附页 第 10页 共10页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	41.52	35.30	28.93	22.25	15.73	9.06	3.45	0.77	0.38
30.0	42.82	36.76	30.39	24.40	17.57	11.28	5.14	0.84	0.46
60.0	45.12	38.45	31.69	25.94	19.03	12.66	6.22	1.15	0.54
90.0	47.58	40.75	34.15	27.78	21.49	14.43	8.44	2.46	0.54
120.0	47.12	39.98	33.69	27.40	21.49	14.58	8.21	2.61	0.61
150.0	41.28	34.07	29.85	25.55	21.56	16.19	9.75	3.68	0.69
180.0	42.82	38.37	32.69	27.01	20.72	14.12	8.06	2.46	0.61
210.0	45.58	39.06	32.31	26.09	19.49	13.05	7.21	1.53	0.46
240.0	44.89	38.68	31.77	25.63	18.95	12.05	5.76	1.00	0.46
270.0	42.21	35.53	29.39	22.87	16.42	9.75	3.53	0.77	0.38
300.0	40.90	34.46	28.32	22.18	15.50	8.82	2.99	0.61	0.31
330.0	40.59	33.92	27.55	21.18	14.66	8.29	2.38	0.69	0.31
360.0	41.52	35.30	28.93	22.25	15.73	9.06	3.45	0.77	0.38

C/γ(°)	90.0
0.0	0.08
30.0	0.08
60.0	0.15
90.0	0.23
120.0	0.31
150.0	0.31
180.0	0.23
210.0	0.23
240.0	0.08
270.0	0.15
300.0	0.00
330.0	0.08
360.0	0.08