

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1123A-5-24DC-RC-Y(30-XL-5RGBWN-AJ, CT)

报告编号:

电压(V): 23.8000

测试编号: 20210414001

电流(A): 0.8840

光源规格型号: XL

功率(W): 21.0000

每个光源光通量(lm)

功率因数: 1.0230

光源数量: 5

镇流器型号:

发光面长度(mm): 112

发光面宽度(mm): 112

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 934.13

灯具效能(lm/w): 44.48

中心光强(cd): 2278.339

最大光强(cd): 2299.826

最大光强角度: C=30.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=30.3

[C90/270]Total=30.2

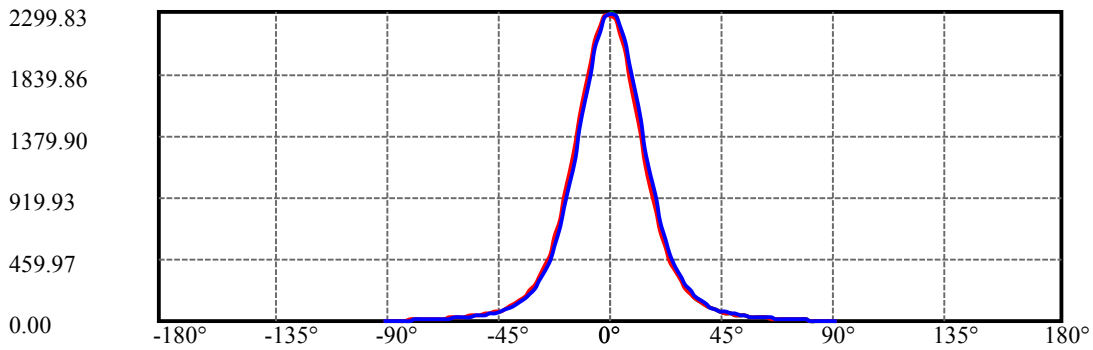
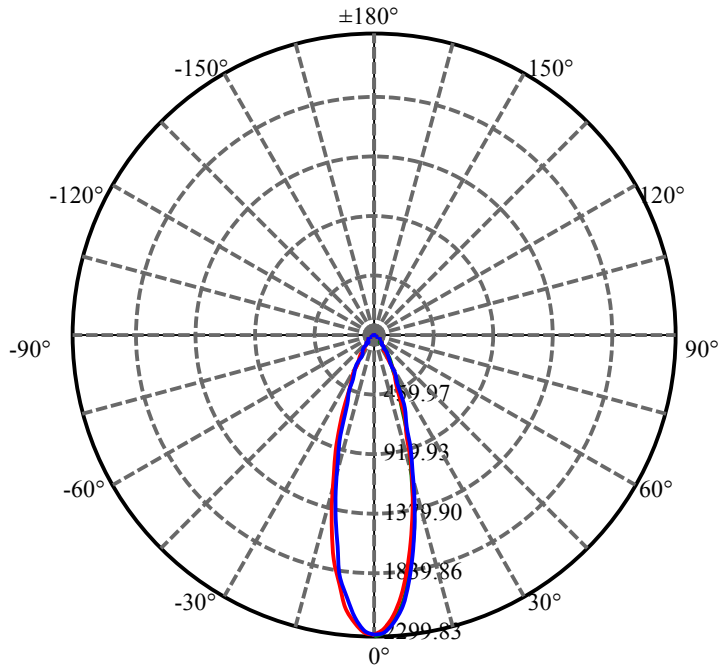
光束扩散角(10%Imax): [C0/180]Total=62.7

[C90/270]Total=62.8

测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/14
环境湿度(%): 60.0%

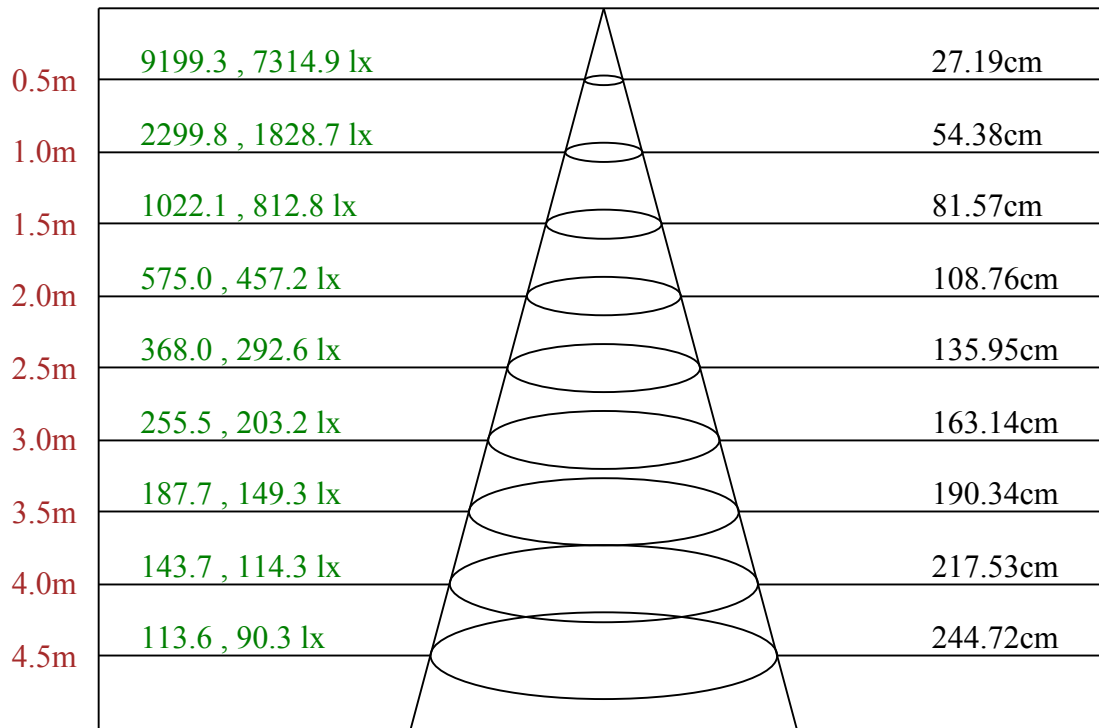
测试人员: anpeilou
测试距离(m): 8.76



C30(Max): —
C0/C180: —
C90/C270: —

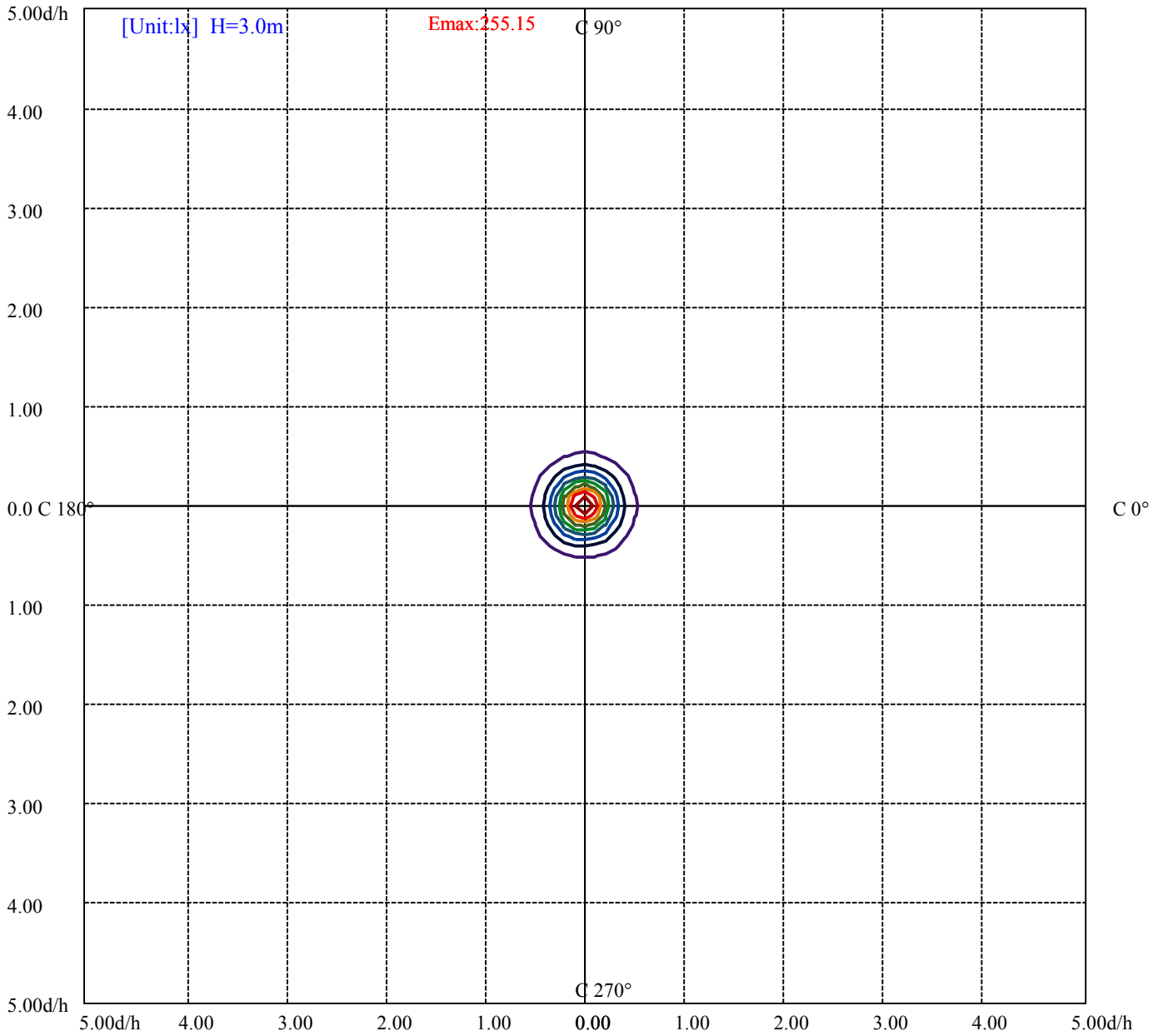
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照度距离图表



Max , Ave C30面光束角30.42

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平面等照度曲线



(10%Emax) 25.51522	——
(20%Emax) 51.03044	——
(30%Emax) 76.54567	——
(40%Emax) 102.0609	——
(50%Emax) 127.5756	——
(60%Emax) 153.0911	——
(70%Emax) 178.6067	——
(80%Emax) 204.1222	——
(90%Emax) 229.6367	——

测试设备: GMS1800
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测试日期: 2021/4/14
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

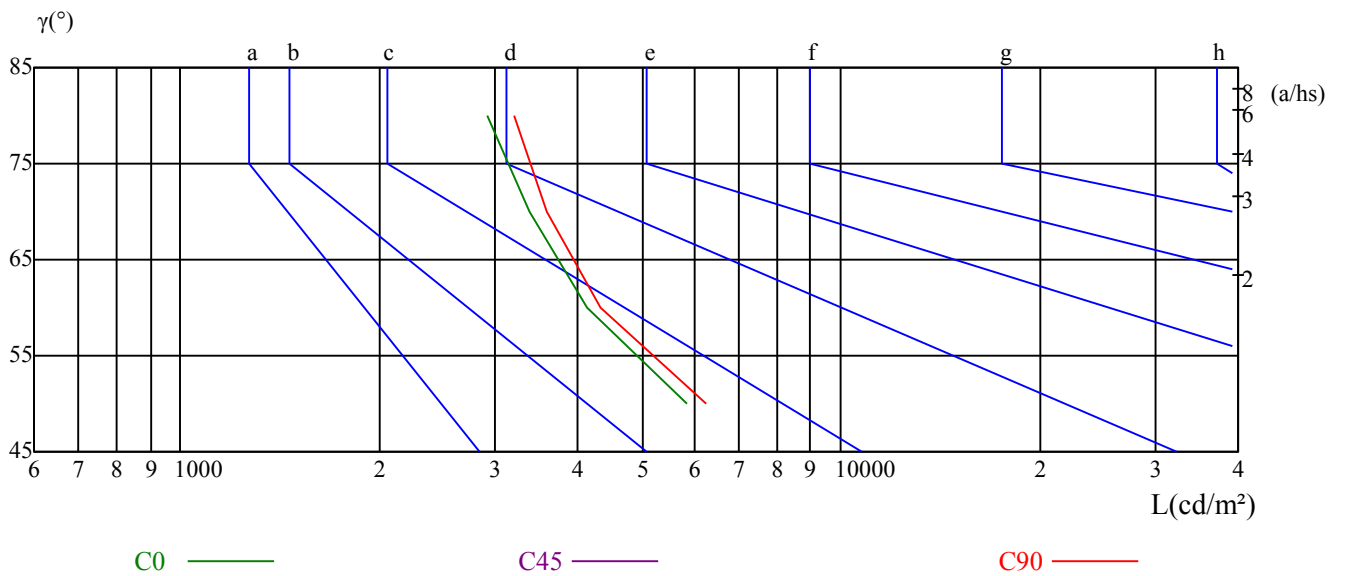
γ	45	50	55	60	65	70	75	80	85
C0	0	5844	0	4123	0	3381	0	2924	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6253	0	4331	0	3577	0	3206	0

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

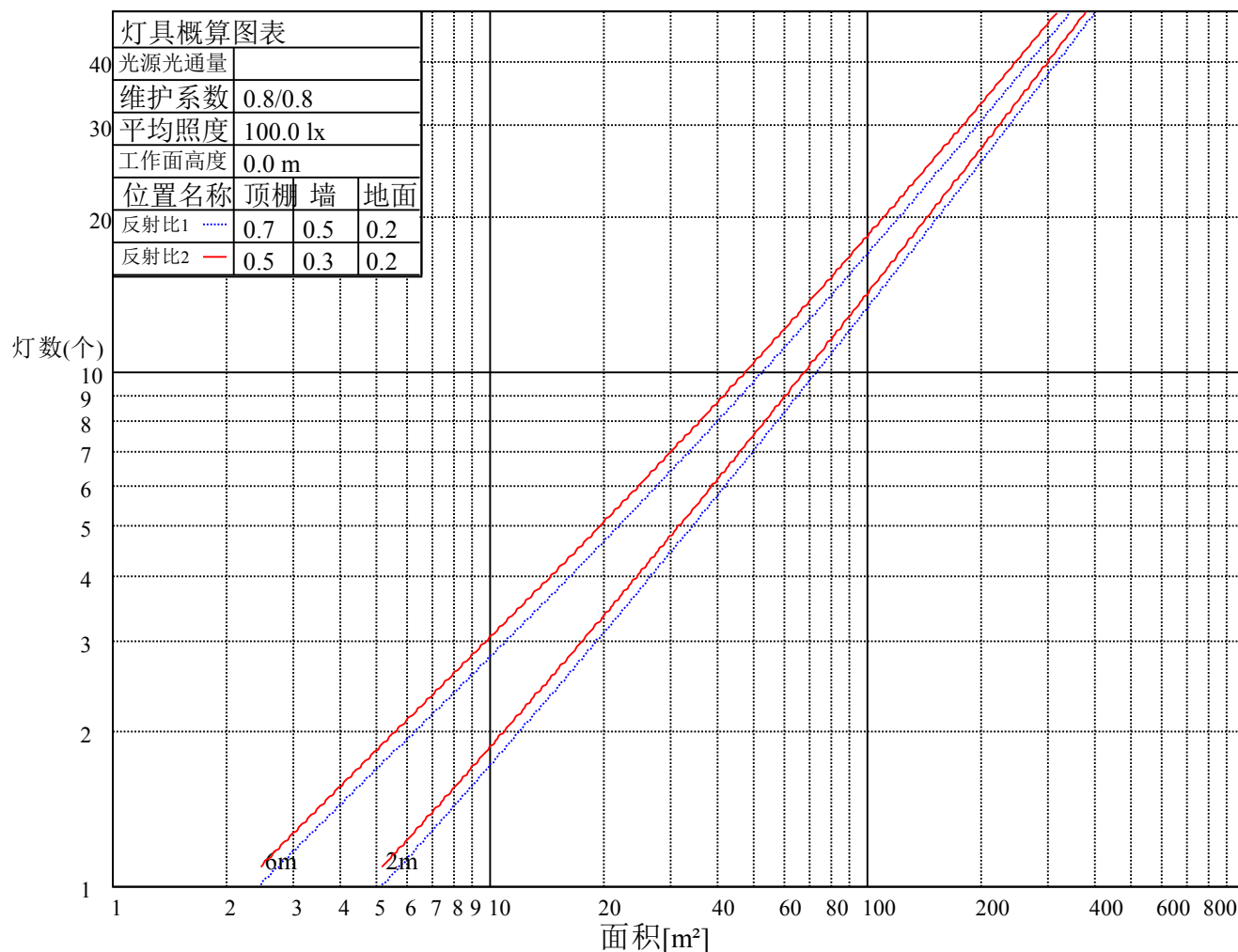
亮度限制曲线



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	12.94	14.01	13.30	14.32	14.63	12.98	14.05	13.35	14.36	14.68
	3H	14.27	15.21	14.65	15.54	15.91	14.31	15.25	14.69	15.58	15.95
	4H	14.81	15.68	15.21	16.04	16.43	14.83	15.71	15.24	16.06	16.45
	6H	15.23	16.03	15.65	16.41	16.80	15.25	16.05	15.67	16.43	16.82
	8H	15.37	16.13	15.81	16.52	16.93	15.38	16.14	15.82	16.53	16.94
	12H	15.55	16.27	15.98	16.65	17.08	15.53	16.26	15.97	16.64	17.07
4H	2H	13.31	14.19	13.72	14.54	14.93	13.35	14.22	13.75	14.58	14.96
	3H	14.86	15.58	15.28	15.99	16.39	14.90	15.62	15.32	16.03	16.43
	4H	15.53	16.17	15.97	16.59	17.04	15.56	16.20	16.00	16.62	17.07
	6H	15.99	16.54	16.46	16.99	17.46	16.01	16.56	16.48	17.01	17.48
	8H	16.18	16.69	16.66	17.14	17.62	16.20	16.71	16.67	17.16	17.63
	12H	16.38	16.82	16.87	17.31	17.79	16.37	16.81	16.86	17.30	17.78
8H	4H	15.73	16.25	16.21	16.70	17.17	15.76	16.27	16.24	16.72	17.20
	6H	16.34	16.75	16.85	17.25	17.73	16.37	16.77	16.87	17.28	17.76
	8H	16.62	16.98	17.15	17.50	18.00	16.64	17.00	17.17	17.52	18.02
	12H	17.31	17.62	17.83	18.12	18.70	17.30	17.62	17.83	18.12	18.70
12H	4H	15.73	16.18	16.22	16.67	17.14	15.76	16.20	16.25	16.69	17.17
	6H	16.72	16.75	16.92	17.22	17.77	16.75	16.77	16.94	17.24	17.79
	8H	16.71	17.03	17.23	17.53	18.11	16.73	17.05	17.25	17.54	18.12
对应照射距离，改变观察者位置S											
S = 1.0H	1.3/-1.2					1.2/-1.1					
S = 1.5H	2.3/-1.5					2.1/-1.5					
S = 2.0H	3.9/-1.6					3.6/-1.6					
标准表格	BK3					BK3					
更正系数	-1.2					-1.4					

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灯具的概算曲线



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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	1.08	1.06	1.08	1.06	1.04	1.04	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.93
2	1.03	0.99	0.96	1.01	0.98	0.95	0.98	0.95	0.92	0.95	0.93	0.91	0.92	0.90	0.89	0.87
3	0.96	0.92	0.88	0.95	0.91	0.87	0.93	0.89	0.86	0.90	0.87	0.84	0.88	0.85	0.83	0.81
4	0.91	0.85	0.81	0.90	0.85	0.81	0.88	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.77
5	0.86	0.80	0.76	0.85	0.80	0.76	0.83	0.79	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.72
6	0.81	0.76	0.72	0.80	0.75	0.71	0.79	0.74	0.71	0.78	0.74	0.70	0.76	0.73	0.70	0.69
7	0.77	0.72	0.68	0.77	0.71	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.65
8	0.74	0.68	0.64	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.62
9	0.70	0.65	0.61	0.70	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.59
10	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.57

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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	2278.34	2237.67	2140.21	1999.01	1817.91	1605.35	1385.11	1187.90	990.68
30.0	2299.83	2266.06	2182.42	2045.06	1863.96	1655.23	1448.81	1230.87	1028.28
60.0	2292.92	2260.69	2172.44	2033.55	1847.84	1649.09	1443.97	1235.09	1033.66
90.0	2287.55	2270.67	2203.14	2071.15	1909.23	1707.41	1494.85	1289.96	1085.07
120.0	2285.25	2268.36	2196.23	2071.92	1898.49	1705.88	1501.60	1292.26	1083.92
150.0	2279.11	2275.27	2220.02	2108.75	1950.67	1754.22	1542.43	1332.93	1121.14
180.0	2278.34	2267.60	2203.90	2089.56	1923.04	1733.50	1521.09	1322.65	1113.62
210.0	2299.83	2282.18	2209.28	2084.19	1913.07	1718.92	1513.88	1295.56	1094.35
240.0	2292.92	2275.27	2201.60	2080.36	1915.37	1712.78	1494.08	1289.96	1083.53
270.0	2287.55	2253.78	2163.23	2024.34	1843.24	1641.42	1430.62	1216.75	1023.37
300.0	2285.25	2249.95	2158.63	2024.34	1849.38	1639.12	1415.81	1213.22	1012.94
330.0	2279.11	2232.30	2128.70	1978.30	1800.26	1530.15	1373.83	1165.57	975.80
360.0	2278.34	2237.67	2140.21	1999.01	1817.91	1605.35	1385.11	1187.90	990.68
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	813.42	674.52	547.91	446.61	374.33	297.90	243.80	202.66	165.91
30.0	857.93	699.08	566.32	459.66	389.06	308.95	256.61	210.57	171.20
60.0	857.16	702.30	576.38	468.64	380.85	312.63	256.07	209.80	172.05
90.0	908.57	744.35	606.23	494.19	405.17	331.51	274.41	225.30	184.32
120.0	899.83	736.37	604.00	491.04	397.04	325.37	265.74	218.32	178.88
150.0	939.27	771.98	625.41	512.61	414.38	338.11	276.41	229.29	188.24
180.0	925.15	756.02	622.34	505.47	409.40	335.50	274.34	225.15	184.71
210.0	908.34	752.34	608.68	494.50	403.03	327.67	272.96	225.07	183.33
240.0	894.76	742.82	602.39	491.12	396.73	325.67	265.36	220.39	180.33
270.0	843.50	695.70	562.72	457.51	371.56	304.49	249.70	205.20	169.51
300.0	832.60	689.87	556.35	454.29	388.29	301.66	246.17	204.89	167.59
330.0	806.59	664.24	536.70	436.79	359.13	292.14	239.96	196.83	162.84
360.0	813.42	674.52	547.91	446.61	374.33	297.90	243.80	202.66	165.91
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	137.05	115.49	96.77	82.19	70.60	61.31	53.33	47.12	41.21
30.0	141.50	118.56	99.45	84.41	72.90	62.92	55.10	48.27	42.67
60.0	143.58	119.10	100.68	85.33	72.98	62.85	55.10	48.19	42.28
90.0	151.94	125.77	105.90	89.32	76.89	66.07	57.40	50.42	44.12
120.0	149.02	123.62	104.52	88.40	75.66	65.23	57.09	50.11	43.97
150.0	156.77	129.99	108.58	91.70	78.96	67.91	59.01	51.95	45.66
180.0	154.01	127.92	108.05	91.47	78.20	67.38	58.63	51.64	45.35
210.0	151.56	126.00	105.36	90.32	77.27	66.53	58.55	51.26	45.28
240.0	148.79	125.47	105.13	89.09	76.58	66.53	57.86	51.18	45.12
270.0	140.58	118.18	98.22	84.49	72.59	62.69	55.10	48.11	42.59
300.0	138.20	116.33	97.53	82.88	71.52	61.93	53.87	47.50	41.59
330.0	134.90	112.34	95.00	81.03	69.52	59.93	52.57	45.97	40.75
360.0	137.05	115.49	96.77	82.19	70.60	61.31	53.33	47.12	41.21
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	36.45	32.38	28.93	25.86	23.10	20.80	18.49	16.42	14.50
30.0	37.68	33.61	29.93	26.70	24.02	21.41	19.11	17.11	15.19
60.0	37.60	33.23	29.54	26.32	23.56	21.10	18.72	16.81	14.81
90.0	38.83	34.30	30.62	27.17	24.33	21.72	19.34	17.27	15.35
120.0	38.91	34.38	30.46	27.24	24.25	21.64	19.34	17.34	15.19
150.0	40.67	35.76	31.85	28.39	25.32	22.71	20.34	18.19	16.11
180.0	40.29	35.76	31.69	28.32	25.32	22.56	20.11	17.88	15.88
210.0	39.90	35.61	31.54	28.16	25.25	22.56	20.18	18.03	15.96
240.0	39.83	35.68	31.54	28.32	25.32	22.71	20.26	18.03	16.04
270.0	37.75	33.61	29.70	26.78	23.79	21.26	19.18	17.04	15.12
300.0	36.60	32.54	29.08	25.94	23.17	20.72	18.49	16.42	14.50
330.0	35.99	31.85	28.24	25.40	22.56	20.18	18.11	16.04	14.12
360.0	36.45	32.38	28.93	25.86	23.10	20.80	18.49	16.42	14.50

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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	12.89	11.20	9.52	7.90	6.37	4.83	3.38	1.76	0.38
30.0	13.35	11.51	9.98	8.29	6.91	5.29	3.61	2.07	0.69
60.0	13.05	11.28	9.67	8.06	6.60	5.06	3.53	2.15	0.54
90.0	13.43	11.82	10.21	8.59	6.98	5.53	3.84	2.30	0.92
120.0	13.51	11.74	10.13	8.52	7.14	5.53	3.91	2.46	1.07
150.0	14.20	12.51	10.90	9.29	7.67	6.06	4.37	2.76	1.30
180.0	14.04	12.12	10.51	8.82	7.37	5.76	3.30	2.38	1.15
210.0	14.04	12.28	10.59	8.82	7.37	5.68	4.22	2.69	1.00
240.0	14.12	12.43	10.59	8.98	7.37	5.76	4.22	2.69	1.07
270.0	13.43	11.74	10.05	8.36	6.83	5.22	3.61	2.23	0.54
300.0	12.82	11.13	9.44	7.98	6.45	4.91	3.38	1.92	0.46
330.0	12.43	10.82	9.06	7.52	6.06	4.60	3.07	1.61	0.31
360.0	12.89	11.20	9.52	7.90	6.37	4.83	3.38	1.76	0.38

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