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## 十方光電科技有限公司

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燈具名稱: LED吸頂筒燈

燈具描述: U50-C05WB

報告編號: 18-0555-25

測試編號: 18-0555-25

光源規格型號: LED

每個光源光通量(lm)

光源數量: 1

發光面長度(mm): 195

測試模式: C

電壓(V): 220.0200

電流(A): 0.5240

功率(W): 56.6900

功率因數: 0.4920

鎮流器型號:

發光面寬度(mm): 195

發光面高度(mm): 195

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## 光度結果

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燈具光通量(lm): 4696.97

燈具效能(lm/w): 82.85

中心光強(cd): 6791.128

最大光強(cd): 6791.128

最大光強角度: C=0.0  $\gamma$ =0.0

半峰邊角(50%Imax): [C0/180]Left=20.7 Right=22.2

[C90/270]Left=22.4 Right=20.5

光束擴散角(10%Imax): [C0/180]Left=42.5 Right=42.8

[C90/270]Left=43.1 Right=42.4

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測試設備: GMS-2000  
環境溫度(°C): 25.3

測試日期: 2020/6/16  
環境濕度(%): 60.0%

測試人員: 廖苡汎  
測試距離(m): 20.03

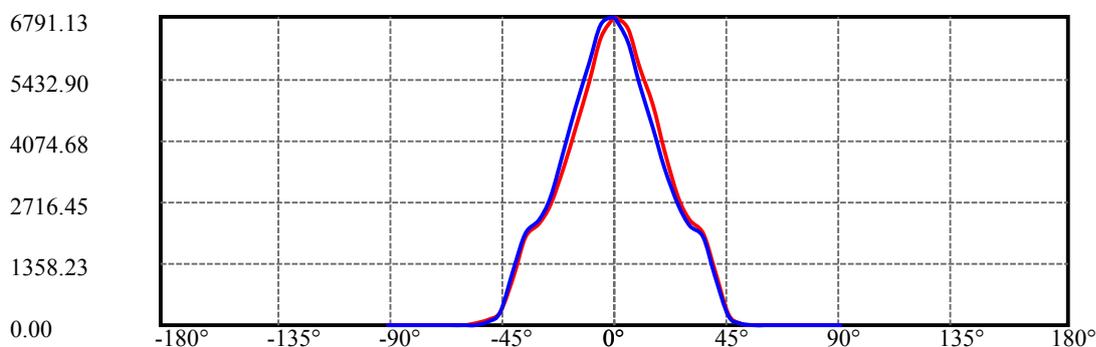
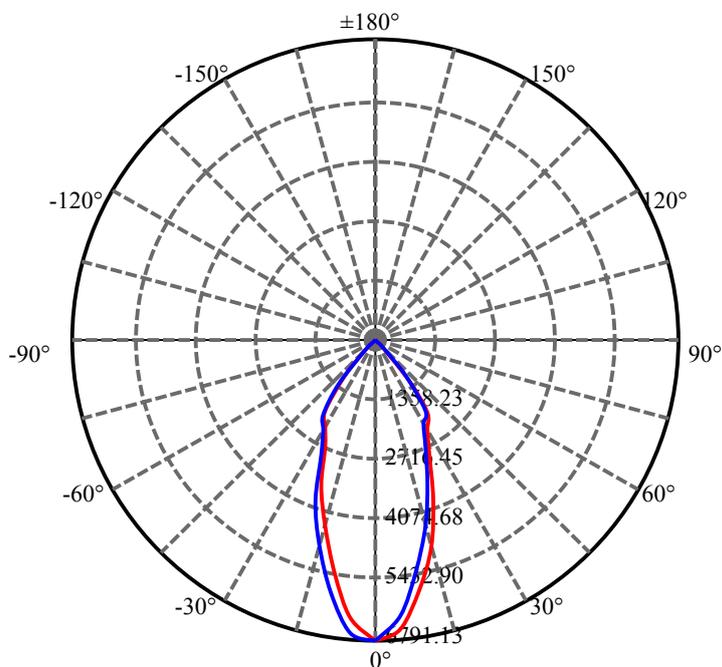
γ(°)	平均光強(cd)	環帶光通(lm)	累積光通(lm)	有效光通(%)	有效累計(%)
0.0	6791.125	.000	.000	.000%	.000%
5.0	6436.478	158.132	158.132	3.367%	3.367%
10.0	5549.686	428.783	586.915	9.129%	12.496%
15.0	4576.950	600.705	1187.620	12.789%	25.285%
20.0	3661.103	678.932	1866.552	14.455%	39.740%
25.0	2752.584	672.677	2539.229	14.322%	54.061%
30.0	2271.789	635.839	3175.068	13.537%	67.598%
35.0	1993.345	628.071	3803.139	13.372%	80.970%
40.0	1176.923	528.935	4332.074	11.261%	92.231%
45.0	273.090	268.482	4600.555	5.716%	97.947%
50.0	74.584	70.253	4670.808	1.496%	99.443%
55.0	15.474	19.582	4690.389	.417%	99.860%
60.0	4.201	4.548	4694.937	.097%	99.957%
65.0	1.610	1.413	4696.350	.030%	99.987%
70.0	.401	.509	4696.859	.011%	99.998%
75.0	.000	.105	4696.964	.002%	100.000%
80.0	.000	.000	4696.964	.000%	100.000%
85.0	.000	.000	4696.964	.000%	100.000%
90.0	.000	.000	4696.964	.000%	100.000%

ZONAL LUMEN SUMMARY

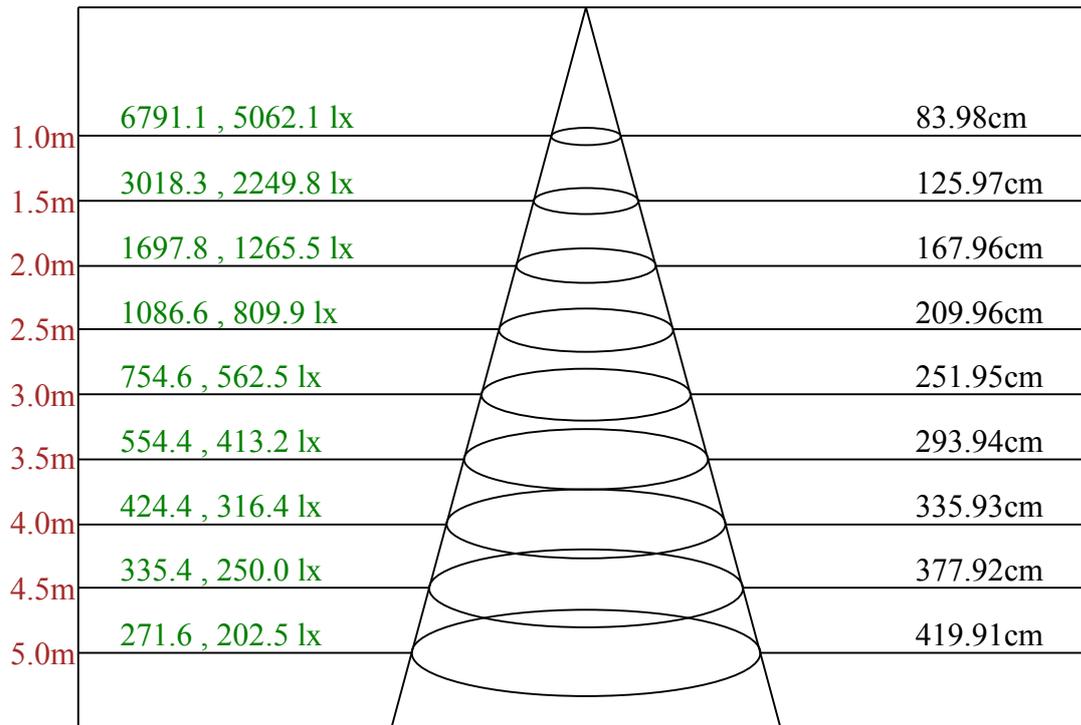
Zone	Lumens	%Fixt
0-30	3175.07	67.60%
0-40	4332.07	92.23%
0-60	4694.94	99.96%
0-90	4696.96	100.00%
0-120	4696.96	100.00%
0-180	4696.96	100.00%
60-90	6.58	0.14%
90-120	0.00	0.00%
90-130	0.00	0.00%
90-150	0.00	0.00%
90-180	0.00	0.00%
0-34.64	3757.57	80.00%

ZONAL LUMEN SUMMARY

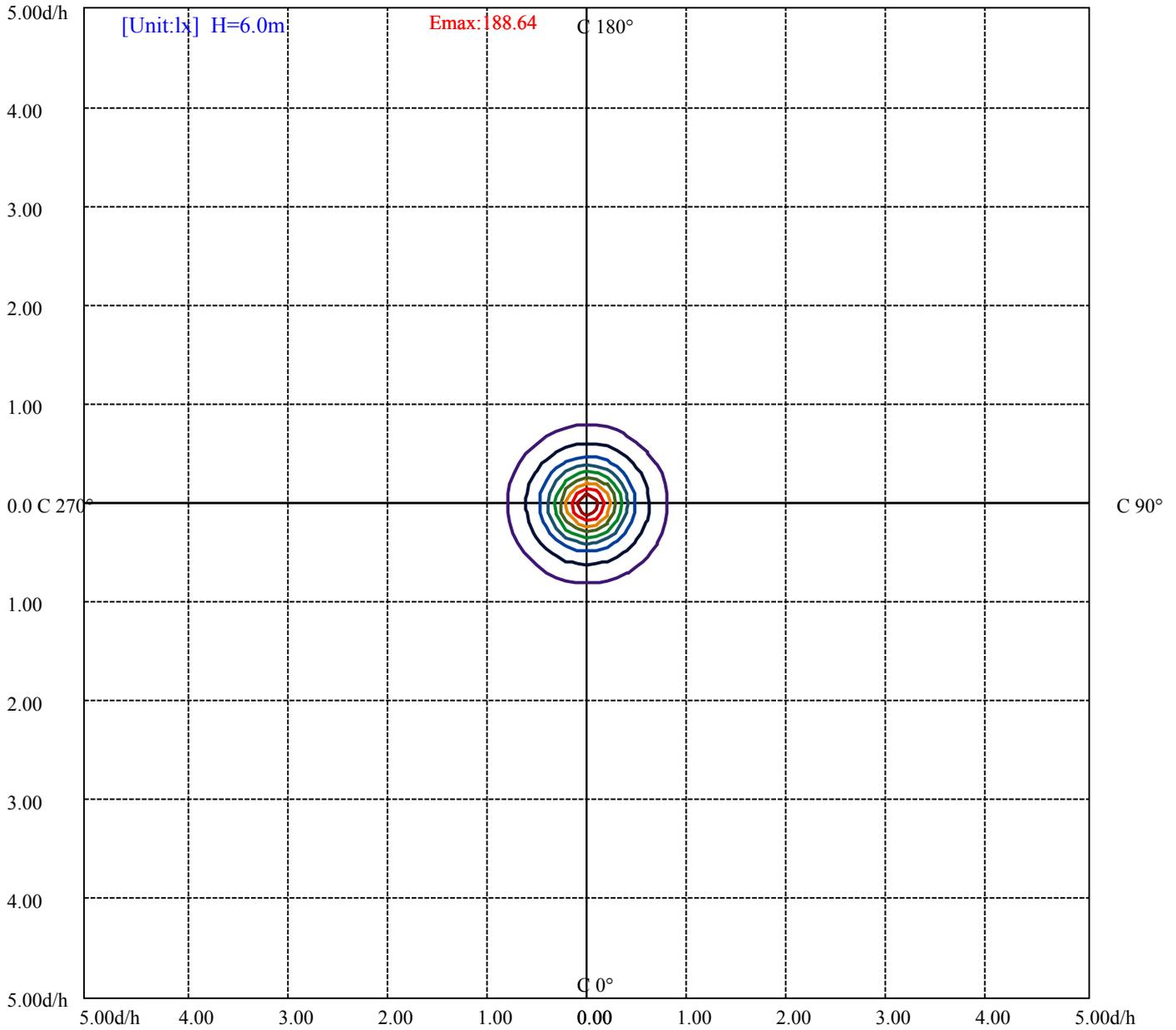
0-10	586.92
10-20	1279.64
20-30	1308.52
30-40	1157.01
40-50	338.73
50-60	24.13
60-70	1.92
70-80	0.10
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



C0/C180: —  
C90/C270: —



Max , Ave      C0面光束角45.55



- (10%Emax) 18.86422
- (20%Emax) 37.72833
- (30%Emax) 56.5925
- (40%Emax) 75.45694
- (50%Emax) 94.32111
- (60%Emax) 113.1853
- (70%Emax) 132.0494
- (80%Emax) 150.9136
- (90%Emax) 169.7778

光強數據表(cd)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	6791.13	6535.56	5688.23	4851.32	3841.90	2842.11	2325.36	2019.24	1237.30
5.0	6791.13	6505.07	5702.67	4831.66	3842.70	2820.04	2326.16	2030.48	1226.07
10.0	6791.13	6481.80	5688.63	4816.82	3807.00	2803.99	2320.55	2031.68	1227.68
15.0	6791.13	6472.57	5674.19	4757.04	3815.42	2796.37	2317.74	2036.90	1220.45
20.0	6791.13	6460.94	5664.96	4724.14	3785.73	2802.39	2307.71	2029.27	1216.04
25.0	6791.13	6501.06	5612.80	4700.87	3766.47	2794.37	2302.49	2032.89	1190.76
30.0	6791.13	6478.59	5603.98	4660.35	3732.77	2776.31	2306.50	2008.81	1167.90
35.0	6791.13	6478.59	5567.47	4661.15	3712.31	2759.06	2296.07	2012.02	1137.41
40.0	6791.13	6453.32	5578.30	4618.22	3684.23	2765.08	2279.22	2002.39	1110.52
45.0	6791.13	6407.18	5547.41	4599.37	3672.59	2753.84	2273.20	2003.60	1101.70
50.0	6791.13	6387.92	5524.54	4559.65	3644.91	2746.22	2284.44	1977.52	1104.11
55.0	6791.13	6389.13	5496.45	4549.22	3631.27	2731.78	2277.22	1986.75	1109.32
60.0	6791.13	6380.70	5469.57	4517.92	3595.16	2726.96	2245.52	2001.19	1102.10
65.0	6791.13	6346.20	5448.31	4459.75	3570.69	2728.17	2273.20	1985.94	1091.67
70.0	6791.13	6353.02	5431.06	4489.04	3545.81	2704.90	2238.30	1961.07	1087.66
75.0	6791.13	6336.17	5378.50	4461.35	3541.00	2690.85	2239.10	1992.77	1093.27
80.0	6791.13	6345.80	5370.08	4399.97	3510.11	2679.22	2242.71	1963.48	1102.10
85.0	6791.13	6286.02	5345.20	4398.37	3484.03	2672.40	2226.26	1978.32	1095.68
90.0	6791.13	6254.72	5329.15	4337.38	3471.19	2654.75	2199.38	1951.84	1091.27
95.0	6791.13	6271.97	5302.27	4370.28	3439.09	2626.66	2207.41	1961.47	1087.26
100.0	6791.13	6243.89	5294.25	4298.87	3409.81	2656.35	2205.00	1925.36	1061.58
105.0	6791.13	6257.13	5252.12	4278.01	3419.44	2638.30	2190.56	1933.79	1028.68
110.0	6791.13	6248.71	5275.39	4249.52	3426.66	2628.67	2179.32	1912.53	1010.63
115.0	6791.13	6277.19	5264.96	4190.14	3391.35	2618.64	2190.96	1913.33	997.39
120.0	6791.13	6233.86	5201.17	4226.65	3389.75	2624.66	2162.07	1941.81	992.57
125.0	6791.13	6235.87	5262.95	4208.60	3382.53	2576.91	2186.55	1913.33	1029.88
130.0	6791.13	6242.69	5246.10	4189.74	3399.78	2624.66	2181.33	1917.34	1053.55
135.0	6791.13	6257.53	5189.53	4215.82	3401.78	2604.20	2161.27	1917.74	1064.39
140.0	6791.13	6227.04	5214.81	4208.20	3408.20	2617.84	2172.10	1906.91	1056.76
145.0	6791.13	6261.14	5252.92	4232.67	3404.59	2631.08	2198.18	1934.99	1013.84
150.0	6791.13	6228.64	5218.82	4241.90	3408.60	2611.82	2171.70	1916.14	999.39
155.0	6791.13	6231.05	5220.83	4278.01	3418.63	2613.82	2205.40	1926.17	1000.19
160.0	6791.13	6243.89	5264.56	4284.83	3402.18	2606.60	2206.61	1910.12	1015.04
165.0	6791.13	6249.51	5288.23	4266.77	3428.66	2622.25	2226.26	1941.81	1031.49
170.0	6791.13	6298.05	5298.66	4318.93	3429.06	2652.74	2213.43	1949.84	1054.36
175.0	6791.13	6310.49	5319.12	4319.73	3458.35	2666.38	2222.65	1988.35	1068.40
180.0	6791.13	6308.08	5345.60	4359.45	3503.29	2675.61	2236.70	1961.07	1080.03
185.0	6791.13	6323.33	5383.72	4391.14	3525.75	2650.33	2249.53	1957.06	1096.48
190.0	6791.13	6362.65	5423.84	4483.02	3554.24	2690.45	2226.67	1973.51	1105.71
195.0	6791.13	6361.84	5450.31	4458.55	3524.95	2705.70	2261.97	1987.15	1114.14
200.0	6791.13	6379.50	5463.15	4491.85	3559.05	2711.72	2256.35	1978.72	1118.95
205.0	6791.13	6388.32	5494.85	4525.15	3566.28	2694.06	2255.95	1989.15	1134.20
210.0	6791.13	6419.22	5513.30	4519.93	3610.41	2715.73	2274.81	1971.10	1140.21
215.0	6791.13	6474.58	5527.75	4531.97	3615.62	2726.16	2286.04	1983.14	1166.29
220.0	6791.13	6478.19	5578.30	4591.34	3658.55	2733.78	2302.89	2006.81	1147.44
225.0	6791.13	6461.34	5569.07	4599.37	3669.38	2747.83	2283.23	1990.36	1141.42
230.0	6791.13	6522.32	5645.70	4597.76	3685.03	2762.27	2295.67	2018.04	1155.86
235.0	6791.13	6491.83	5635.27	4634.27	3697.87	2812.02	2291.26	2018.84	1205.21
240.0	6791.13	6600.56	5629.65	4649.12	3735.18	2772.70	2279.62	2014.03	1266.99
245.0	6791.13	6599.35	5663.75	4668.37	3768.88	2784.74	2283.64	2026.47	1286.65
250.0	6791.13	6600.96	5693.04	4690.44	3786.13	2801.99	2290.46	2045.32	1316.34
255.0	6791.13	6597.75	5695.05	4759.85	3851.53	2823.65	2321.35	2018.84	1308.72
260.0	6791.13	6597.75	5758.04	4724.94	3834.68	2830.87	2309.31	2035.69	1303.50
265.0	6791.13	6623.03	5745.60	4775.90	3843.91	2828.87	2313.73	2034.89	1290.26
270.0	6791.13	6629.04	5792.14	4802.78	3887.24	2843.71	2329.77	2045.72	1286.25
275.0	6791.13	6650.31	5803.77	4805.58	3844.31	2859.76	2330.58	2038.50	1297.08
280.0	6791.13	6628.24	5803.37	4839.69	3859.55	2863.37	2328.17	2053.35	1325.97
285.0	6791.13	6623.43	5820.62	4838.48	3861.56	2888.25	2316.94	2026.07	1338.81

十方光電科技有限公司 十方光電科技有限公司 LED吸頂筒燈

光強數據表(cd)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
290.0	6791.13	6614.20	5870.77	4875.80	3891.65	2853.34	2315.73	2018.84	1375.72
295.0	6791.13	6621.42	5888.83	4842.09	3892.05	2865.38	2326.56	2042.51	1386.55
300.0	6791.13	6632.25	5871.17	4842.50	3882.02	2879.82	2307.71	2026.07	1381.34
305.0	6791.13	6639.07	5875.19	4850.12	3886.83	2904.70	2323.76	2020.45	1377.32
310.0	6791.13	6614.60	5846.30	4863.76	3888.44	2927.16	2323.35	2042.51	1352.45
315.0	6791.13	6580.90	5866.36	4872.18	3932.57	2896.27	2340.21	2038.50	1353.25
320.0	6791.13	6579.29	5882.81	4901.47	3959.45	2888.25	2331.78	2031.68	1352.05
325.0	6791.13	6590.53	5891.23	4854.53	3904.09	2888.25	2337.00	2059.77	1351.65
330.0	6791.13	6618.61	5829.05	4845.30	3877.21	2894.67	2337.00	2038.90	1356.06
335.0	6791.13	6558.83	5768.87	4880.21	3879.61	2885.84	2361.07	2031.68	1359.67
340.0	6791.13	6501.86	5792.94	4862.15	3872.39	2913.52	2358.66	2049.33	1349.64
345.0	6791.13	6511.49	5774.49	4844.50	3858.75	2885.04	2345.02	2065.78	1313.93
350.0	6791.13	6531.15	5766.06	4848.92	3887.64	2866.58	2343.01	2032.48	1275.42
355.0	6791.13	6537.57	5729.15	4845.71	3869.58	2843.31	2331.38	2031.28	1248.54
360.0	6791.13	6535.56	5688.23	4851.32	3841.90	2842.11	2325.36	2019.24	1237.30

光強數據表(cd)

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	248.34	56.17	10.03	3.21	1.20	0.40	0.00	0.00	0.00
5.0	241.12	54.16	9.63	3.21	1.20	0.40	0.00	0.00	0.00
10.0	238.71	52.96	9.63	3.21	0.80	0.40	0.00	0.00	0.00
15.0	233.10	49.75	9.63	2.81	1.20	0.40	0.00	0.00	0.00
20.0	229.49	46.14	9.23	2.81	1.20	0.40	0.00	0.00	0.00
25.0	222.67	43.33	9.23	2.81	1.20	0.40	0.00	0.00	0.00
30.0	215.44	40.92	8.83	2.81	1.20	0.40	0.00	0.00	0.00
35.0	217.85	38.52	8.43	2.81	1.20	0.40	0.00	0.00	0.00
40.0	217.05	36.11	8.43	2.81	1.20	0.40	0.00	0.00	0.00
45.0	219.46	35.71	8.02	2.81	1.20	0.40	0.00	0.00	0.00
50.0	219.46	34.50	7.62	2.81	1.20	0.40	0.00	0.00	0.00
55.0	213.84	33.30	7.22	2.81	1.20	0.40	0.00	0.00	0.00
60.0	215.04	32.90	7.22	2.81	1.20	0.40	0.00	0.00	0.00
65.0	211.03	33.30	6.82	2.81	1.20	0.40	0.00	0.00	0.00
70.0	212.24	34.50	7.22	2.81	1.20	0.40	0.00	0.00	0.00
75.0	213.84	37.71	8.02	2.81	1.20	0.40	0.00	0.00	0.00
80.0	219.86	40.92	8.83	3.21	1.60	0.40	0.00	0.00	0.00
85.0	225.47	46.14	10.03	3.21	1.60	0.40	0.00	0.00	0.00
90.0	231.49	52.16	12.04	3.21	1.60	0.40	0.00	0.00	0.00
95.0	238.71	55.37	14.04	3.21	1.60	0.40	0.00	0.00	0.00
100.0	241.52	64.19	15.25	3.21	1.60	0.40	0.00	0.00	0.00
105.0	252.76	66.60	17.25	3.61	1.60	0.40	0.00	0.00	0.00
110.0	255.16	71.41	17.65	3.61	1.60	0.40	0.00	0.00	0.00
115.0	257.57	75.43	18.05	3.61	1.60	0.40	0.00	0.00	0.00
120.0	260.38	80.24	18.86	3.61	1.60	0.40	0.00	0.00	0.00
125.0	264.79	87.06	20.06	3.61	1.60	0.40	0.00	0.00	0.00
130.0	265.60	91.47	20.86	3.61	1.60	0.40	0.00	0.00	0.00
135.0	271.21	96.29	21.26	3.61	1.60	0.40	0.00	0.00	0.00
140.0	270.81	100.70	21.66	4.01	1.60	0.40	0.00	0.00	0.00
145.0	276.03	103.11	22.07	4.01	1.60	0.40	0.00	0.00	0.00
150.0	276.83	105.11	22.07	4.01	1.60	0.40	0.00	0.00	0.00
155.0	276.43	106.32	22.07	4.01	1.60	0.40	0.00	0.00	0.00
160.0	277.63	109.93	22.07	4.41	1.20	0.40	0.00	0.00	0.00
165.0	285.25	110.33	22.47	4.41	1.20	0.40	0.00	0.00	0.00
170.0	284.05	111.53	22.87	4.81	1.20	0.40	0.00	0.00	0.00
175.0	289.67	111.53	23.27	4.81	1.20	0.40	0.00	0.00	0.00
180.0	286.06	113.14	23.67	5.22	1.20	0.40	0.00	0.00	0.00
185.0	293.68	113.14	23.27	5.22	1.20	0.40	0.00	0.00	0.00
190.0	290.07	113.54	23.67	5.62	1.20	0.40	0.00	0.00	0.00
195.0	294.88	113.14	22.87	5.62	1.60	0.40	0.00	0.00	0.00
200.0	294.08	111.53	23.27	6.02	1.60	0.40	0.00	0.00	0.00
205.0	292.88	110.73	23.67	6.02	1.60	0.40	0.00	0.00	0.00
210.0	299.30	108.32	23.27	6.42	2.01	0.40	0.00	0.00	0.00
215.0	296.09	109.13	23.27	6.42	2.01	0.40	0.00	0.00	0.00
220.0	296.09	102.71	23.67	6.42	2.01	0.40	0.00	0.00	0.00
225.0	295.28	103.91	23.27	6.42	2.01	0.40	0.00	0.00	0.00
230.0	293.68	99.10	22.47	6.02	2.01	0.40	0.00	0.00	0.00
235.0	298.09	99.50	22.07	6.02	2.01	0.40	0.00	0.00	0.00
240.0	297.69	96.29	21.26	6.02	2.41	0.40	0.00	0.00	0.00
245.0	300.90	95.49	20.46	6.02	2.41	0.40	0.00	0.00	0.00
250.0	303.71	90.27	19.26	5.62	2.01	0.40	0.00	0.00	0.00
255.0	304.51	87.06	18.46	5.62	2.41	0.40	0.00	0.00	0.00
260.0	302.51	87.06	17.65	5.62	2.41	0.40	0.00	0.00	0.00
265.0	298.89	82.65	16.85	5.62	2.41	0.40	0.00	0.00	0.00
270.0	299.30	80.24	15.65	5.22	2.41	0.40	0.00	0.00	0.00
275.0	307.72	76.23	14.84	5.22	2.41	0.40	0.00	0.00	0.00
280.0	316.15	71.81	14.04	5.22	2.41	0.40	0.00	0.00	0.00
285.0	318.55	68.61	13.24	4.81	2.41	0.40	0.00	0.00	0.00

十方光電科技有限公司 十方光電科技有限公司 LED吸頂筒燈

光強數據表(cd)

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C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
290.0	328.18	68.20	12.44	4.81	2.01	0.40	0.00	0.00	0.00
295.0	323.77	64.99	12.04	4.41	2.01	0.40	0.00	0.00	0.00
300.0	331.39	64.99	11.63	4.41	2.01	0.40	0.00	0.00	0.00
305.0	333.00	64.59	11.63	4.41	2.01	0.40	0.00	0.00	0.00
310.0	330.99	64.59	11.23	4.01	2.01	0.40	0.00	0.00	0.00
315.0	326.18	63.79	11.23	4.01	2.01	0.40	0.00	0.00	0.00
320.0	324.57	64.19	11.23	4.01	1.60	0.40	0.00	0.00	0.00
325.0	315.34	63.39	11.23	3.61	1.60	0.40	0.00	0.00	0.00
330.0	305.31	64.59	10.83	3.61	1.20	0.40	0.00	0.00	0.00
335.0	299.30	64.19	10.83	3.61	1.20	0.40	0.00	0.00	0.00
340.0	288.06	62.99	10.83	3.61	1.20	0.40	0.00	0.00	0.00
345.0	274.02	62.19	10.43	3.21	1.20	0.40	0.00	0.00	0.00
350.0	261.18	59.38	10.43	3.21	1.20	0.40	0.00	0.00	0.00
355.0	251.15	58.58	10.03	3.21	1.20	0.40	0.00	0.00	0.00
360.0	248.34	56.17	10.03	3.21	1.20	0.40	0.00	0.00	0.00

光強數據表(cd)

C/γ(°)	90.0
0.0	0.00
5.0	0.00
10.0	0.00
15.0	0.00
20.0	0.00
25.0	0.00
30.0	0.00
35.0	0.00
40.0	0.00
45.0	0.00
50.0	0.00
55.0	0.00
60.0	0.00
65.0	0.00
70.0	0.00
75.0	0.00
80.0	0.00
85.0	0.00
90.0	0.00
95.0	0.00
100.0	0.00
105.0	0.00
110.0	0.00
115.0	0.00
120.0	0.00
125.0	0.00
130.0	0.00
135.0	0.00
140.0	0.00
145.0	0.00
150.0	0.00
155.0	0.00
160.0	0.00
165.0	0.00
170.0	0.00
175.0	0.00
180.0	0.00
185.0	0.00
190.0	0.00
195.0	0.00
200.0	0.00
205.0	0.00
210.0	0.00
215.0	0.00
220.0	0.00
225.0	0.00
230.0	0.00
235.0	0.00
240.0	0.00
245.0	0.00
250.0	0.00
255.0	0.00
260.0	0.00
265.0	0.00
270.0	0.00
275.0	0.00
280.0	0.00
285.0	0.00

光強數據表(cd)

C/γ(°)	90.0
290.0	0.00
295.0	0.00
300.0	0.00
305.0	0.00
310.0	0.00
315.0	0.00
320.0	0.00
325.0	0.00
330.0	0.00
335.0	0.00
340.0	0.00
345.0	0.00
350.0	0.00
355.0	0.00
360.0	0.00