
裕加

Client:

LumCAT: RSKV4805L30D1PC

Luminaire: LED 灯具

Report No:

Ballast type:

Test No:

Voltage(V): 120.000

LampCAT:

Current(A): 0.217

Lamp flux(lm): 2264.5

Power (W): 25.670

Number of Lamps: 1

PF: 0.984

Length(mm): 1200

Width(mm): 20

Phm Type: C

Height(mm): 20

Photometric Results

Lumens(lm): 2264.52, Efficiency(%): 100.00% , Luminous Efficacy(lm/W): 88.22

Central intensity(cd): 285.575, Maximum intensity(cd): 285.579

Angle of maximum intensity: C=15.0 γ =5.0

Beam Angle(50%Imax): [C0/180]Total=352.4

[C90/270]Total=356.0

Field angle(10%Imax): [C0/180]Total=N.A.

[C90/270]Total=N.A.

Maximum s/h(1/2): C0_180=1.46 C90_270=1.26

Maximum s/h(1/4): C0_180=1.66 C90_270=1.38

Up flux rate of lamp(%): 44.73%

Down flux rate of lamp(%): 55.27%

Up flux rate of LUM(%): 44.73%

Down flux rate of LUM(%): 55.27%

CIE Type : General diffuse lighting

Output flux ratio in π solid angle : 33.003%

裕加 RSKV4805L30D1PC

Zonal flux distribution table

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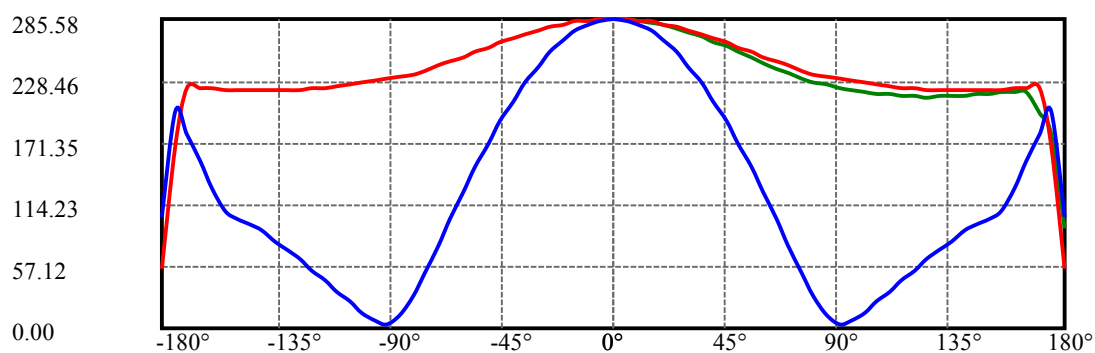
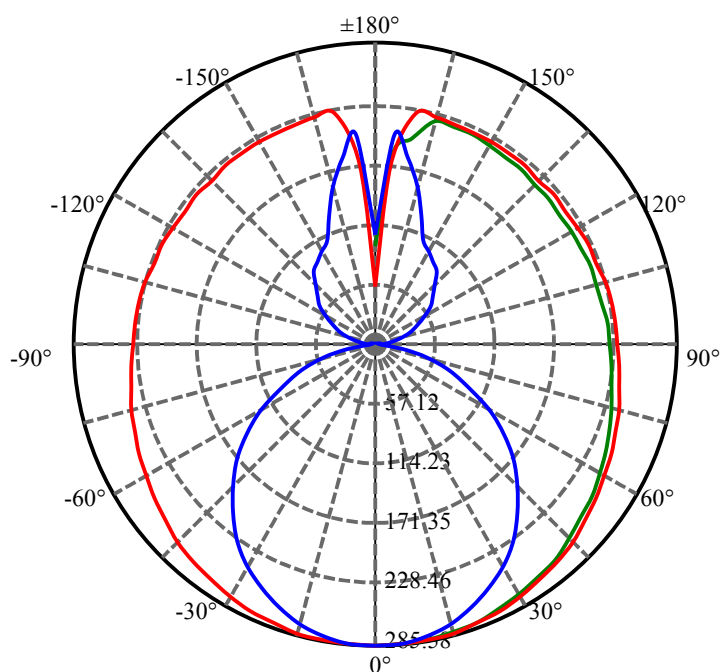
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	285.575	0.000	0	0.00%	0.00%
5.0	284.923	6.820	6.82	0.30%	0.30%
10.0	282.708	20.306	27.126	0.90%	1.20%
15.0	278.879	33.313	60.439	1.47%	2.67%
20.0	273.673	45.538	105.977	2.01%	4.68%
25.0	266.965	56.703	162.68	2.50%	7.18%
30.0	259.213	66.588	229.268	2.94%	10.12%
35.0	250.085	74.998	304.266	3.31%	13.44%
40.0	239.885	81.748	386.014	3.61%	17.05%
45.0	229.302	86.874	472.888	3.84%	20.88%
50.0	217.539	90.291	563.178	3.99%	24.87%
55.0	205.448	91.972	655.15	4.06%	28.93%
60.0	193.450	92.204	747.354	4.07%	33.00%
65.0	180.837	90.990	838.344	4.02%	37.02%
70.0	169.122	88.612	926.955	3.91%	40.93%
75.0	158.723	85.693	1012.649	3.78%	44.72%
80.0	149.449	82.458	1095.107	3.64%	48.36%
85.0	142.698	79.383	1174.49	3.51%	51.86%
90.0	138.811	77.079	1251.57	3.40%	55.27%
95.0	137.616	75.688	1327.258	3.34%	58.61%
100.0	138.368	74.992	1402.249	3.31%	61.92%
105.0	141.070	74.770	1477.019	3.30%	65.22%
110.0	145.917	75.014	1552.033	3.31%	68.54%
115.0	151.500	75.308	1627.341	3.33%	71.86%
120.0	157.276	75.064	1702.405	3.31%	75.18%
125.0	163.950	74.250	1776.656	3.28%	78.46%
130.0	170.602	72.743	1849.398	3.21%	81.67%
135.0	177.088	70.256	1919.654	3.10%	84.77%
140.0	183.574	66.780	1986.434	2.95%	87.72%
145.0	188.496	62.077	2048.511	2.74%	90.46%
150.0	190.255	55.774	2104.284	2.46%	92.92%
155.0	190.389	48.171	2152.455	2.13%	95.05%
160.0	191.704	40.074	2192.53	1.77%	96.82%
165.0	192.982	31.703	2224.233	1.40%	98.22%
170.0	193.526	22.927	2247.16	1.01%	99.23%
175.0	194.368	13.876	2261.037	0.61%	99.85%
180.0	97.253	3.486	2264.523	0.15%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	229.27	10.12%	10.12%
0-40	386.01	17.05%	17.05%
0-60	747.35	33.00%	33.00%
0-90	1251.57	55.27%	55.27%
0-120	1702.41	75.18%	75.18%
0-180	2264.52	100.00%	100.00%
60-90	504.22	22.27%	22.27%
90-120	450.84	19.91%	19.91%
90-130	597.83	26.40%	26.40%
90-150	852.71	37.66%	37.66%
90-180	1009.47	44.58%	44.58%
0-127.40	1811.62	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	27.13
10-20	78.85
20-30	123.29
30-40	156.75
40-50	177.16
50-60	184.18
60-70	179.60
70-80	168.15
80-90	156.46
90-100	150.68
100-110	149.78
110-120	150.37
120-130	146.99
130-140	137.04
140-150	117.85
150-160	88.25
160-170	54.63
170-180	13.88



C15(Max): —

C0/C180: —

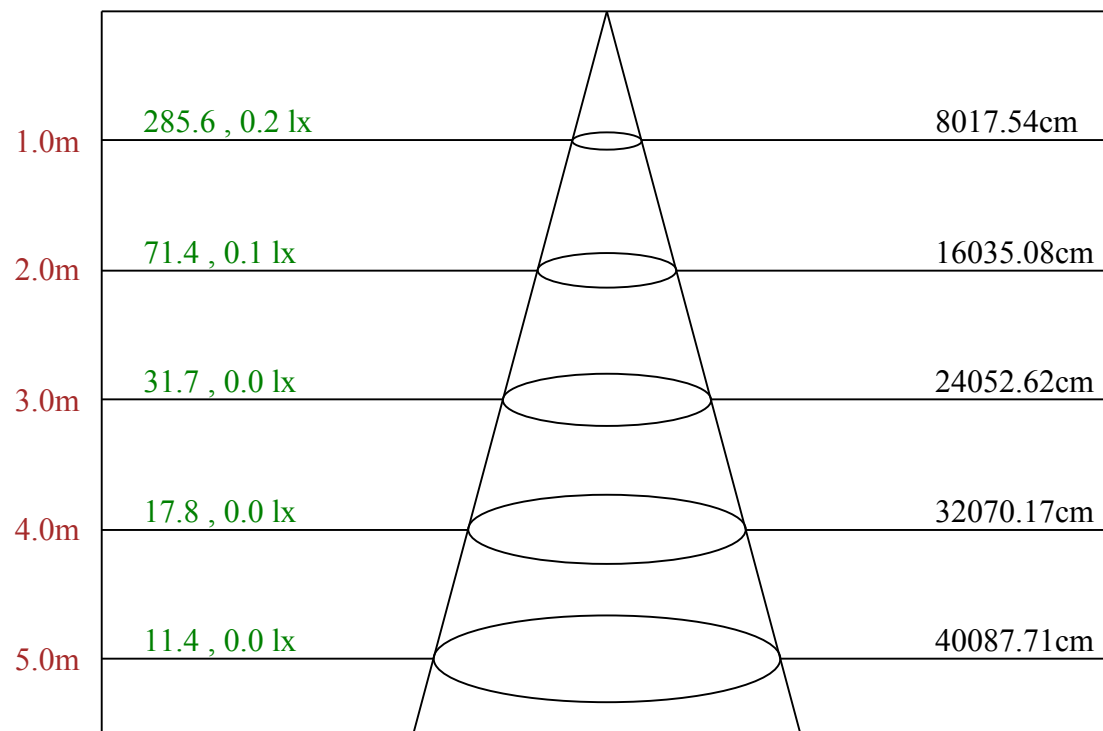
C90/C270: —

Field angle(10%Imax):C0/180Left:0.0 Right:0.0

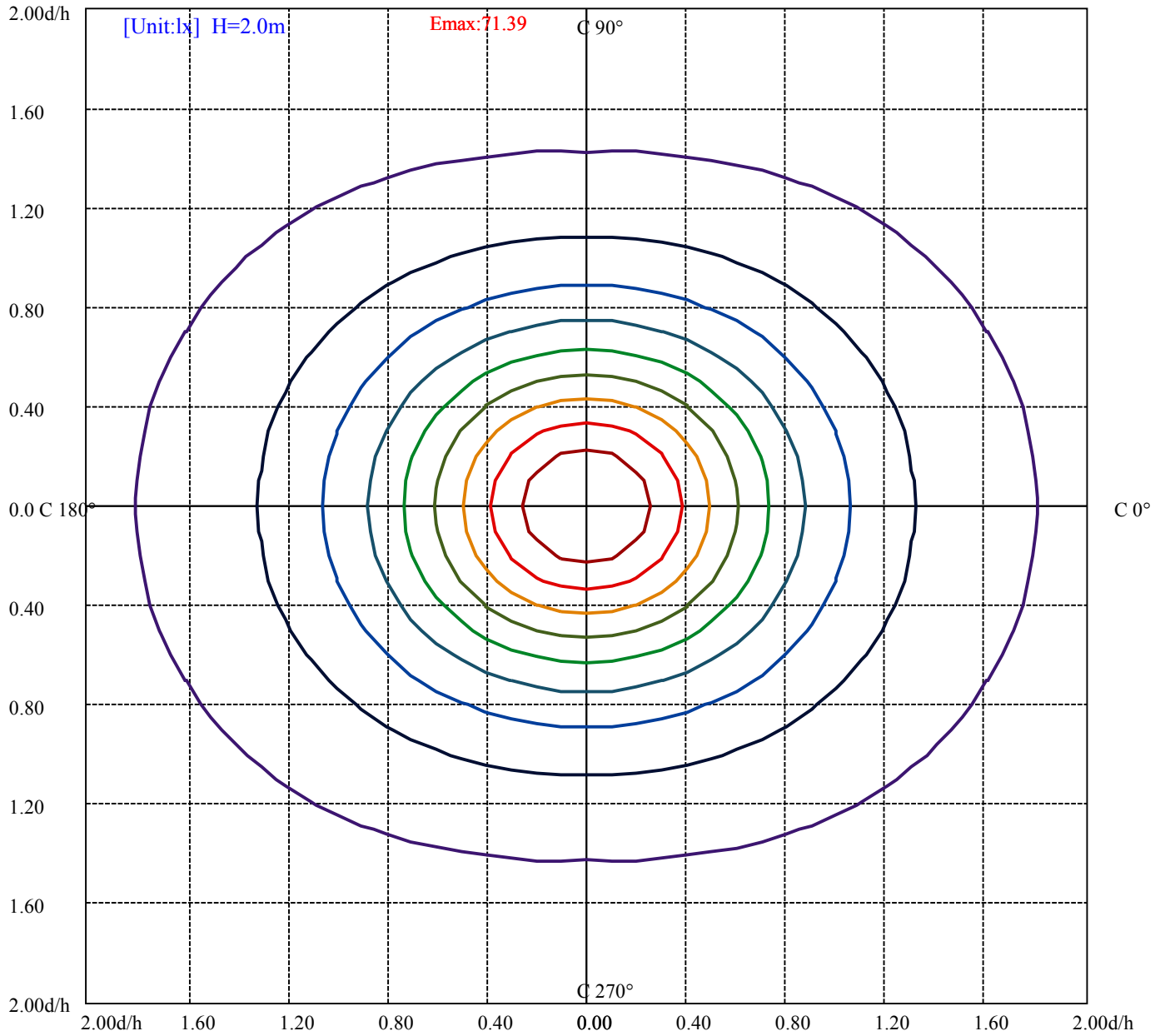
:C90/270Left:0.0 Right:0.0

Beam Angle(50%Imax):C0/180Left:176.2 Right:176.2

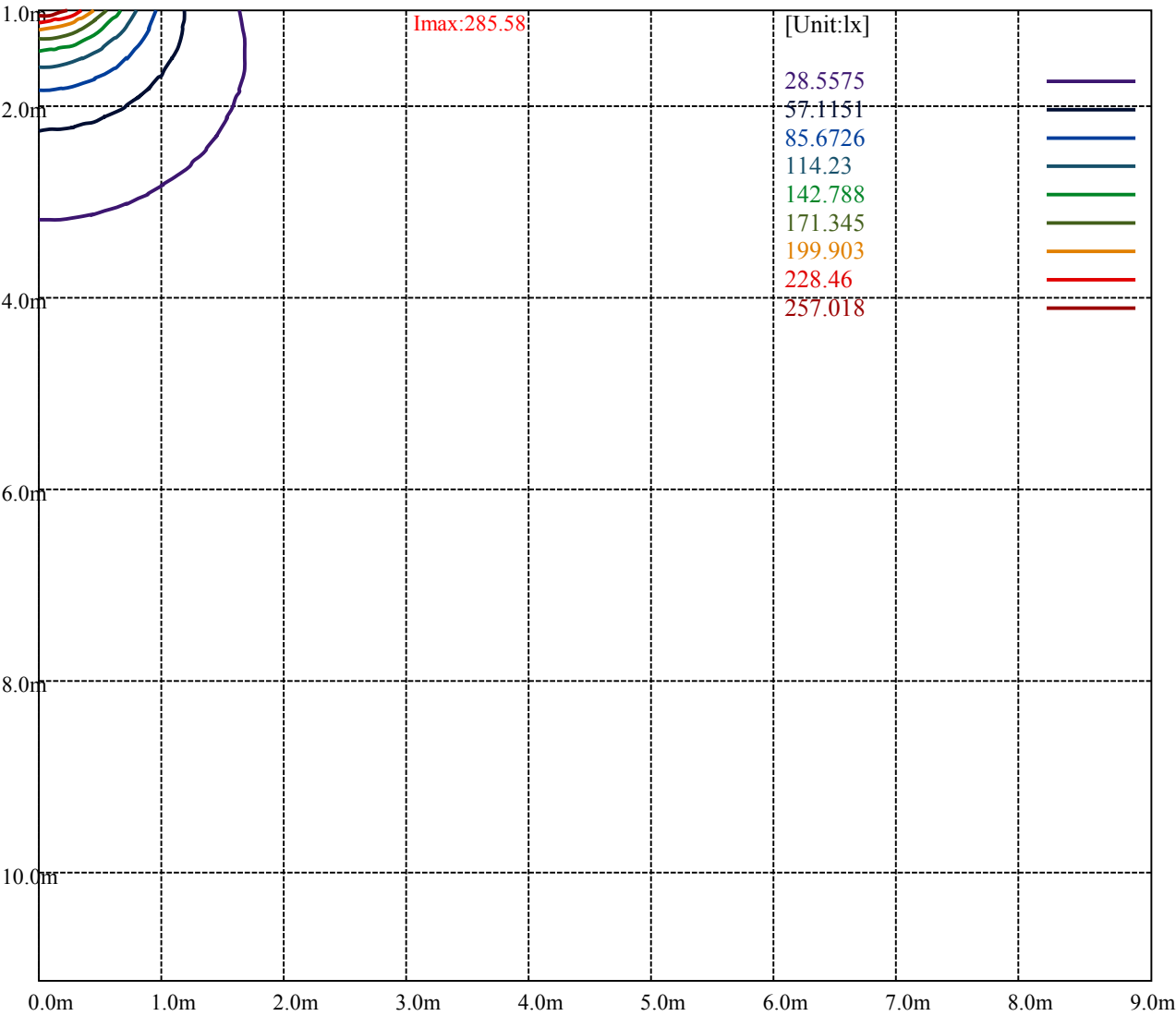
:C90/270Left:178.0 Right:178.0



Max , Ave Beam angle of C15 plane 177.14



(10%Emax) 7.139375	—
(20%Emax) 14.27878	—
(30%Emax) 21.41815	—
(40%Emax) 28.5575	—
(50%Emax) 35.697	—
(60%Emax) 42.83625	—
(70%Emax) 49.97575	—
(80%Emax) 57.115	—
(90%Emax) 64.2545	—



Luminance Table

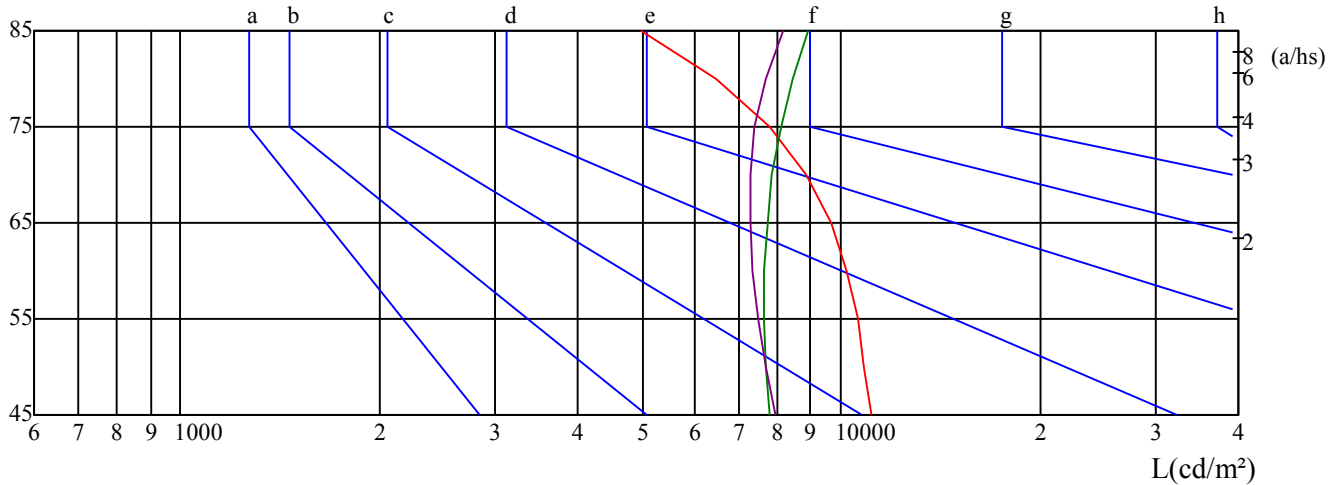
γ	45	50	55	60	65	70	75	80	85
C0	7787	7683	7634	7655	7727	7879	8105	8453	8930
C45	7951	7687	7497	7354	7284	7288	7415	7710	8199
C90	11094	10860	10595	10184	9646	8872	7816	6453	4973

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
24296	9990	18512	38352	8303	27310	110995	5920	75566

Glare Table

Glare	Quality	Service Values Illuminance(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

Luminance Limiting Curve

 $\gamma(^{\circ})$ 

C0 ———

C45 ———

C90 ———

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	1.08	1.08	1.08	1.01	1.01	1.01	0.86	0.86	0.86	0.73	0.73	0.73	0.61	0.61	0.61	0.55
1	0.90	0.85	0.80	0.83	0.79	0.75	0.71	0.67	0.64	0.59	0.57	0.54	0.49	0.47	0.45	0.40
2	0.77	0.70	0.63	0.71	0.65	0.59	0.60	0.55	0.51	0.51	0.47	0.43	0.41	0.38	0.36	0.31
3	0.67	0.58	0.51	0.62	0.54	0.48	0.52	0.46	0.42	0.44	0.39	0.35	0.36	0.32	0.29	0.25
4	0.59	0.50	0.43	0.54	0.46	0.40	0.46	0.40	0.35	0.38	0.34	0.29	0.31	0.28	0.24	0.21
5	0.52	0.43	0.36	0.48	0.40	0.34	0.41	0.34	0.29	0.34	0.29	0.25	0.28	0.24	0.21	0.18
6	0.46	0.37	0.31	0.43	0.35	0.29	0.37	0.30	0.25	0.31	0.26	0.22	0.25	0.21	0.18	0.15
7	0.42	0.33	0.27	0.39	0.31	0.25	0.33	0.27	0.22	0.28	0.23	0.19	0.23	0.19	0.16	0.13
8	0.38	0.29	0.24	0.35	0.27	0.22	0.30	0.24	0.19	0.25	0.20	0.17	0.21	0.17	0.14	0.12
9	0.34	0.26	0.21	0.32	0.25	0.20	0.27	0.21	0.17	0.23	0.18	0.15	0.19	0.15	0.13	0.10
10	0.31	0.24	0.19	0.29	0.22	0.18	0.25	0.19	0.15	0.22	0.17	0.13	0.18	0.14	0.11	0.09

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Intensity data(cd)

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C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	285.58	284.70	284.35	283.12	280.49	278.12	275.57	271.97	267.85
15.0	285.58	285.04	284.07	282.03	280.08	276.88	273.78	269.70	265.09
30.0	285.58	285.66	284.51	282.29	278.56	274.30	268.61	262.84	255.92
45.0	285.58	284.95	282.99	280.05	276.04	269.80	262.67	253.84	244.49
60.0	285.58	285.66	283.44	279.17	272.59	264.59	254.72	242.63	229.92
75.0	285.58	285.67	283.85	278.69	271.34	262.09	250.94	237.62	222.11
90.0	285.58	286.12	283.31	279.13	271.88	261.99	250.20	235.95	220.26
105.0	285.58	285.48	283.76	279.39	272.48	263.48	252.57	239.93	224.93
120.0	285.58	286.03	284.12	281.13	275.78	268.70	258.90	247.84	235.95
135.0	285.58	286.57	285.76	283.21	279.13	273.86	266.86	258.51	249.61
150.0	285.58	286.30	285.94	283.95	281.68	277.34	273.18	267.93	261.23
165.0	285.58	286.75	286.03	284.76	283.59	280.97	277.44	273.83	269.58
180.0	285.58	285.58	284.87	283.73	281.71	278.64	275.92	271.80	268.37
195.0	285.58	285.40	284.16	282.12	279.63	277.06	272.98	268.90	263.58
210.0	285.58	285.22	282.91	279.80	275.63	270.57	265.42	258.85	252.45
225.0	285.58	284.15	281.48	276.66	271.14	263.92	255.63	246.27	236.29
240.0	285.58	283.80	279.89	274.20	265.93	256.15	244.50	230.72	216.05
255.0	285.58	283.31	278.78	271.43	261.73	250.40	237.25	222.11	205.25
270.0	285.58	283.13	277.86	269.70	260.17	248.02	233.69	217.90	199.85
285.0	285.58	282.67	278.30	271.03	261.85	249.84	236.84	221.11	205.11
300.0	285.58	283.04	278.95	273.42	265.62	255.28	243.57	231.60	218.08
315.0	285.58	283.85	280.49	275.58	269.41	262.32	254.06	244.88	234.71
330.0	285.58	283.95	281.87	277.97	273.90	268.56	265.85	259.42	249.29
345.0	285.58	285.12	283.32	280.51	277.80	274.28	269.94	265.87	261.27
360.0	285.58	284.70	284.35	283.12	280.49	278.12	275.57	271.97	267.85

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	264.34	259.42	254.95	250.82	246.08	242.05	237.92	235.11	232.48
15.0	260.12	255.24	249.83	244.51	240.17	234.31	230.32	227.13	223.94
30.0	249.52	242.33	234.25	226.35	219.15	212.23	206.28	200.95	197.31
45.0	233.97	223.54	212.22	200.54	189.85	179.78	170.60	162.93	156.96
60.0	215.25	200.58	185.11	169.19	153.63	138.25	124.74	113.00	104.56
75.0	205.52	187.39	167.45	146.69	126.02	104.89	83.22	65.09	50.95
90.0	202.75	182.61	161.84	138.89	115.21	89.17	64.23	40.28	19.23
105.0	208.75	190.47	171.65	150.65	129.47	108.10	87.74	68.73	54.28
120.0	222.98	208.83	192.14	177.71	160.75	145.15	131.36	118.93	109.68
135.0	239.43	229.17	217.81	207.10	195.74	184.93	175.85	167.95	161.95
150.0	254.54	246.85	239.88	231.55	224.77	216.99	210.56	205.49	201.15
165.0	264.16	259.19	253.85	248.79	243.46	238.94	234.33	229.91	226.29
180.0	264.25	260.12	255.39	251.09	246.78	242.66	238.54	234.94	231.87
195.0	259.41	253.65	248.77	244.16	238.66	234.05	229.08	225.53	222.87
210.0	244.99	237.54	229.81	222.35	215.07	208.94	203.97	199.26	195.36
225.0	225.59	214.63	203.66	192.61	182.36	172.74	164.54	158.65	153.48
240.0	201.91	187.15	170.26	154.61	139.14	125.98	114.16	105.09	98.78
255.0	187.66	167.36	147.77	126.29	104.08	84.58	65.82	51.58	41.70
270.0	180.07	159.12	136.80	112.58	87.45	63.14	38.92	18.60	5.53
285.0	186.38	167.20	146.29	125.56	104.74	84.74	75.10	54.28	45.82
300.0	203.93	188.15	172.63	165.01	141.61	129.18	118.29	110.04	105.05
315.0	228.71	213.36	202.92	192.29	183.12	174.49	167.58	163.04	159.86
330.0	242.50	235.36	228.21	221.42	215.09	210.11	205.68	202.06	200.43
345.0	256.48	251.69	247.26	242.02	237.68	233.52	230.54	228.19	225.21
360.0	264.34	259.42	254.95	250.82	246.08	242.05	237.92	235.11	232.48

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Intensity data(cd)

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C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	230.46	228.79	227.74	226.42	225.11	223.62	222.83	222.04	221.60
15.0	221.90	220.12	219.33	217.91	216.75	216.04	214.89	214.36	215.07
30.0	195.18	193.05	191.72	190.38	189.67	190.47	193.05	194.91	197.31
45.0	153.57	152.06	150.45	150.81	152.50	156.51	161.59	167.66	173.98
60.0	98.69	97.27	96.56	98.96	105.45	113.80	124.56	136.56	147.86
75.0	41.61	38.89	39.62	49.05	64.10	79.78	96.10	112.51	128.19
90.0	4.72	3.54	9.16	17.87	27.31	37.38	46.99	56.79	65.50
105.0	44.46	40.82	41.00	48.73	62.37	77.46	91.74	106.92	122.92
120.0	103.24	100.60	98.88	100.79	106.23	114.03	123.92	134.26	144.96
135.0	157.32	154.87	152.87	152.33	153.78	157.59	161.50	167.22	173.13
150.0	197.62	195.36	192.65	190.93	190.20	190.38	191.20	193.37	195.99
165.0	222.59	220.60	218.61	215.90	214.18	212.28	211.47	211.02	211.20
180.0	229.67	227.48	225.63	223.79	221.77	220.19	219.05	218.17	217.74
195.0	220.48	218.44	216.04	214.18	213.38	212.41	211.61	210.99	211.08
210.0	192.60	190.12	188.87	187.72	187.72	189.05	190.74	193.05	195.62
225.0	151.26	149.12	148.76	150.45	153.93	158.30	163.64	169.35	176.48
240.0	96.64	95.49	97.89	104.02	112.11	122.34	128.12	144.65	155.86
255.0	38.62	39.80	49.41	56.84	79.15	95.83	110.42	125.74	140.88
270.0	3.90	11.61	20.77	30.75	40.82	51.25	60.69	70.12	78.56
285.0	43.46	44.46	53.46	68.10	83.74	100.37	115.92	130.29	145.38
300.0	103.33	102.69	105.41	112.31	120.29	130.36	140.70	152.22	163.56
315.0	157.96	157.41	157.78	160.59	164.41	169.31	174.67	180.48	186.84
330.0	198.44	198.07	197.17	196.63	197.53	198.44	200.97	203.59	205.77
345.0	223.76	222.13	221.05	220.24	219.51	218.79	218.25	218.52	218.97
360.0	230.46	228.79	227.74	226.42	225.11	223.62	222.83	222.04	221.60
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	221.60	221.69	222.21	222.56	222.30	222.39	222.21	221.86	221.25
15.0	215.60	216.04	217.11	218.26	218.88	219.41	219.86	220.48	220.92
30.0	200.42	203.79	207.08	210.45	212.94	215.16	217.73	219.78	220.13
45.0	180.04	187.09	193.95	200.10	205.98	210.62	214.45	217.39	215.52
60.0	159.15	169.37	178.71	187.78	196.49	203.51	209.20	210.71	206.71
75.0	143.24	157.20	170.35	181.41	189.30	193.65	193.92	188.21	194.19
90.0	73.75	84.28	89.27	94.89	99.70	116.93	144.15	168.91	192.95
105.0	139.01	153.93	166.84	151.11	139.01	140.83	145.56	167.20	190.38
120.0	155.22	166.19	176.72	180.80	165.92	158.12	163.92	170.09	188.24
135.0	179.85	185.21	190.84	196.92	193.29	172.31	166.04	165.95	182.30
150.0	198.62	200.97	204.23	206.58	209.39	210.65	180.16	146.50	162.88
165.0	211.83	212.28	213.01	214.00	214.72	215.63	216.62	197.46	123.54
180.0	217.65	218.26	218.70	219.05	219.14	219.49	220.72	222.12	116.99
195.0	211.79	212.32	213.83	214.98	215.87	216.58	212.67	151.75	159.55
210.0	199.09	202.19	205.57	206.90	208.05	182.57	153.18	162.59	189.50
225.0	179.51	189.05	195.73	193.95	174.79	164.71	168.99	176.84	197.25
240.0	165.82	175.51	180.04	168.57	158.17	164.48	170.88	183.06	201.20
255.0	155.30	167.81	161.55	148.68	144.60	151.49	167.36	187.57	206.43
270.0	87.45	94.89	101.15	106.50	116.48	141.97	165.65	188.15	206.83
285.0	158.74	171.75	182.75	191.02	198.02	201.57	192.11	191.93	206.66
300.0	174.08	184.25	193.59	202.12	209.28	215.45	218.72	216.00	212.28
315.0	193.38	200.01	205.83	211.09	215.73	219.27	222.08	223.99	215.82
330.0	209.20	211.65	214.63	217.35	219.70	221.87	222.96	223.86	217.26
345.0	219.78	220.06	220.24	221.05	221.59	222.22	222.41	222.22	216.08
360.0	221.60	221.69	222.21	222.56	222.30	222.39	222.21	221.86	221.25

Intensity data(cd)

C/γ(°)	180.0
0.0	110.05
15.0	207.80
30.0	210.10
45.0	207.94
60.0	204.13
75.0	206.70
90.0	207.47
105.0	207.29
120.0	208.74
135.0	204.28
150.0	194.91
165.0	164.66
180.0	0.00
195.0	0.00
210.0	0.00
225.0	0.00
240.0	0.00
255.0	0.00
270.0	0.00
285.0	0.00
300.0	0.00
315.0	0.00
330.0	0.00
345.0	0.00
360.0	110.05