
乐达凯

Client:

LumCAT: CL26-15-26DB-952C5-WH-GD-3500K

Luminaire: LED灯具

Report No:

Ballast type:

Test No: LCZP23030076

Voltage(V): 120.000

LampCAT:

Current(A): 0.240

Lamp flux(lm): 2063.7

Power (W): 26.910

Number of Lamps: 1

PF: 0.935

Length(mm): -330

Width(mm): -330

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2063.72, Efficiency(%): 100.00% , Luminous Efficacy(lm/W): 76.69

Central intensity(cd): 535.028, Maximum intensity(cd): 593.740

Angle of maximum intensity: C=0.0 γ =35.0

Beam Angle(50%Imax): [C0/180]Total=123.2

[C90/270]Total=123.6

Field angle(10%Imax): [C0/180]Total=166.2

[C90/270]Total=166.0

Maximum s/h(1/2): C0_180=1.65 C90_270=1.65

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

Up flux rate of lamp(%): 0.36%

Down flux rate of lamp(%): 99.64%

Up flux rate of LUM(%): 0.36%

Down flux rate of LUM(%): 99.64%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 78.604%

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Zonal flux distribution table

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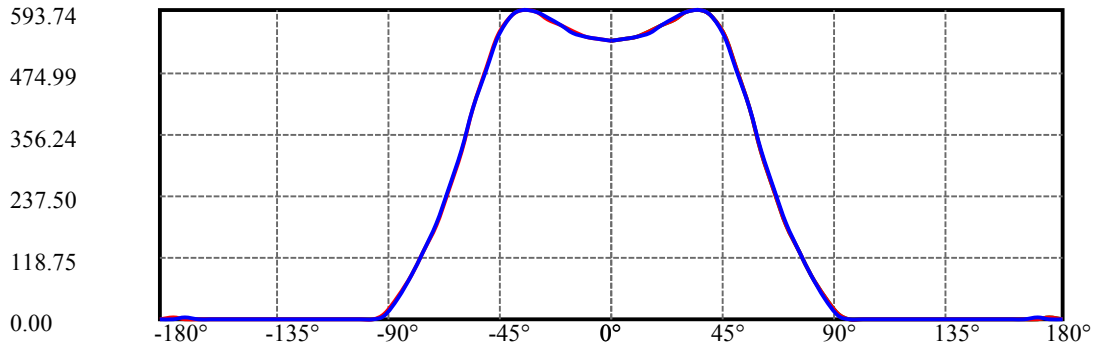
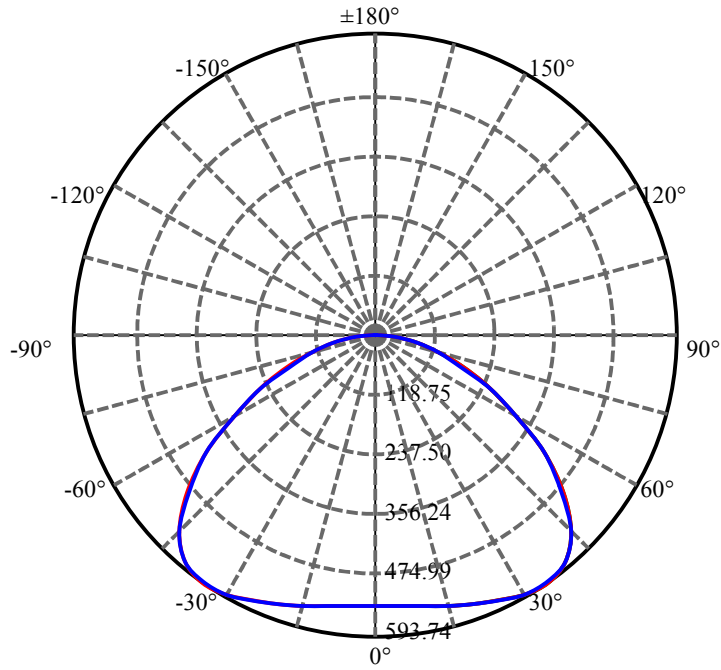
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	535.028	0.000	0	0.00%	0.00%
5.0	536.713	12.812	12.812	0.62%	0.62%
10.0	542.215	38.597	51.409	1.87%	2.49%
15.0	551.123	64.856	116.265	3.14%	5.63%
20.0	563.025	91.821	208.086	4.45%	10.08%
25.0	576.723	119.539	327.625	5.79%	15.88%
30.0	588.322	147.437	475.062	7.14%	23.02%
35.0	592.436	173.875	648.937	8.43%	31.44%
40.0	580.721	195.732	844.67	9.48%	40.93%
45.0	545.173	208.468	1053.138	10.10%	51.03%
50.0	482.069	207.569	1260.707	10.06%	61.09%
55.0	404.829	192.841	1453.549	9.34%	70.43%
60.0	324.637	168.614	1622.162	8.17%	78.60%
65.0	246.598	138.868	1761.031	6.73%	85.33%
70.0	181.217	108.326	1869.356	5.25%	90.58%
75.0	129.083	81.108	1950.464	3.93%	94.51%
80.0	85.066	57.300	2007.764	2.78%	97.29%
85.0	42.364	34.626	2042.39	1.68%	98.97%
90.0	8.719	13.987	2056.377	0.68%	99.64%
95.0	0.449	2.510	2058.887	0.12%	99.77%
100.0	0.487	0.254	2059.141	0.01%	99.78%
105.0	0.599	0.290	2059.431	0.01%	99.79%
110.0	0.562	0.303	2059.735	0.01%	99.81%
115.0	0.562	0.285	2060.019	0.01%	99.82%
120.0	0.637	0.292	2060.311	0.01%	99.83%
125.0	0.898	0.355	2060.666	0.02%	99.85%
130.0	0.898	0.391	2061.056	0.02%	99.87%
135.0	0.898	0.363	2061.419	0.02%	99.89%
140.0	0.898	0.333	2061.752	0.02%	99.90%
145.0	0.898	0.300	2062.052	0.01%	99.92%
150.0	1.310	0.325	2062.377	0.02%	99.93%
155.0	1.347	0.336	2062.713	0.02%	99.95%
160.0	1.759	0.326	2063.039	0.02%	99.97%
165.0	1.796	0.293	2063.332	0.01%	99.98%
170.0	1.909	0.220	2063.552	0.01%	99.99%
175.0	1.871	0.135	2063.687	0.01%	100.00%
180.0	1.235	0.037	2063.724	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	475.06	23.02%	23.02%
0-40	844.67	40.93%	40.93%
0-60	1622.16	78.60%	78.60%
0-90	2056.38	99.64%	99.64%
0-120	2060.31	99.83%	99.83%
0-180	2063.72	100.00%	100.00%
60-90	434.21	21.04%	21.04%
90-120	3.93	0.19%	0.19%
90-130	4.68	0.23%	0.23%
90-150	6.00	0.29%	0.29%
90-180	7.31	0.35%	0.35%
0-61.04	1650.98	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	51.41
10-20	156.68
20-30	266.98
30-40	369.61
40-50	416.04
50-60	361.46
60-70	247.19
70-80	138.41
80-90	48.61
90-100	2.76
100-110	0.59
110-120	0.58
120-130	0.75
130-140	0.70
140-150	0.62
150-160	0.66
160-170	0.51
170-180	0.14



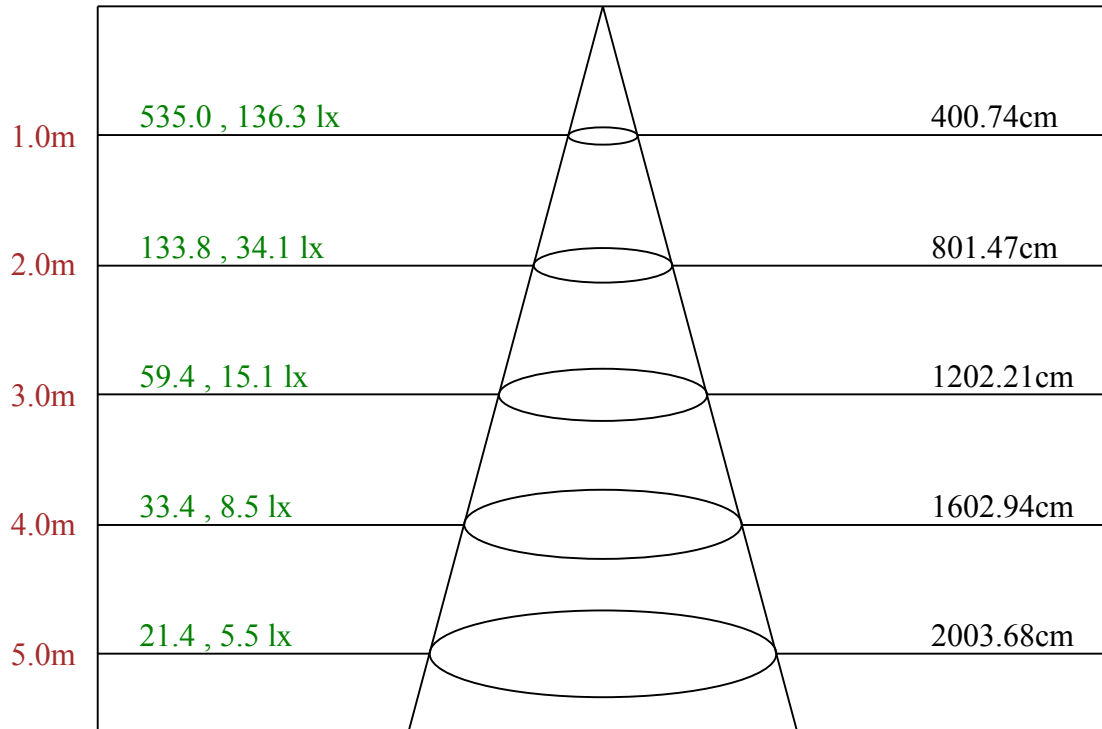
C0(Max): ———

C0/C180: ———

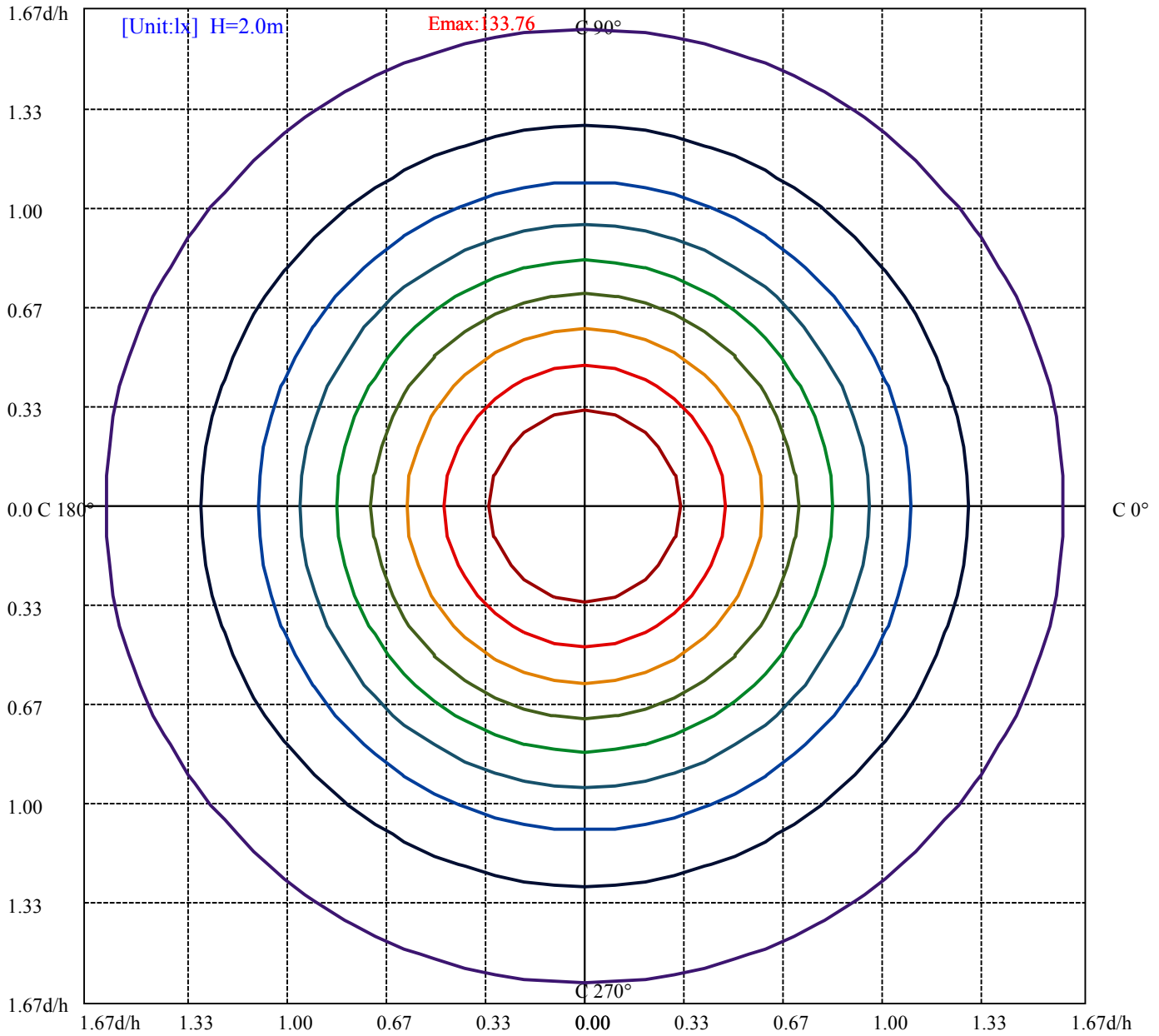
C90/C270: ———










Field angle(10%Imax):C0/180Left:118.1 Right:48.1
:C90/270Left:118.0 Right:48.0

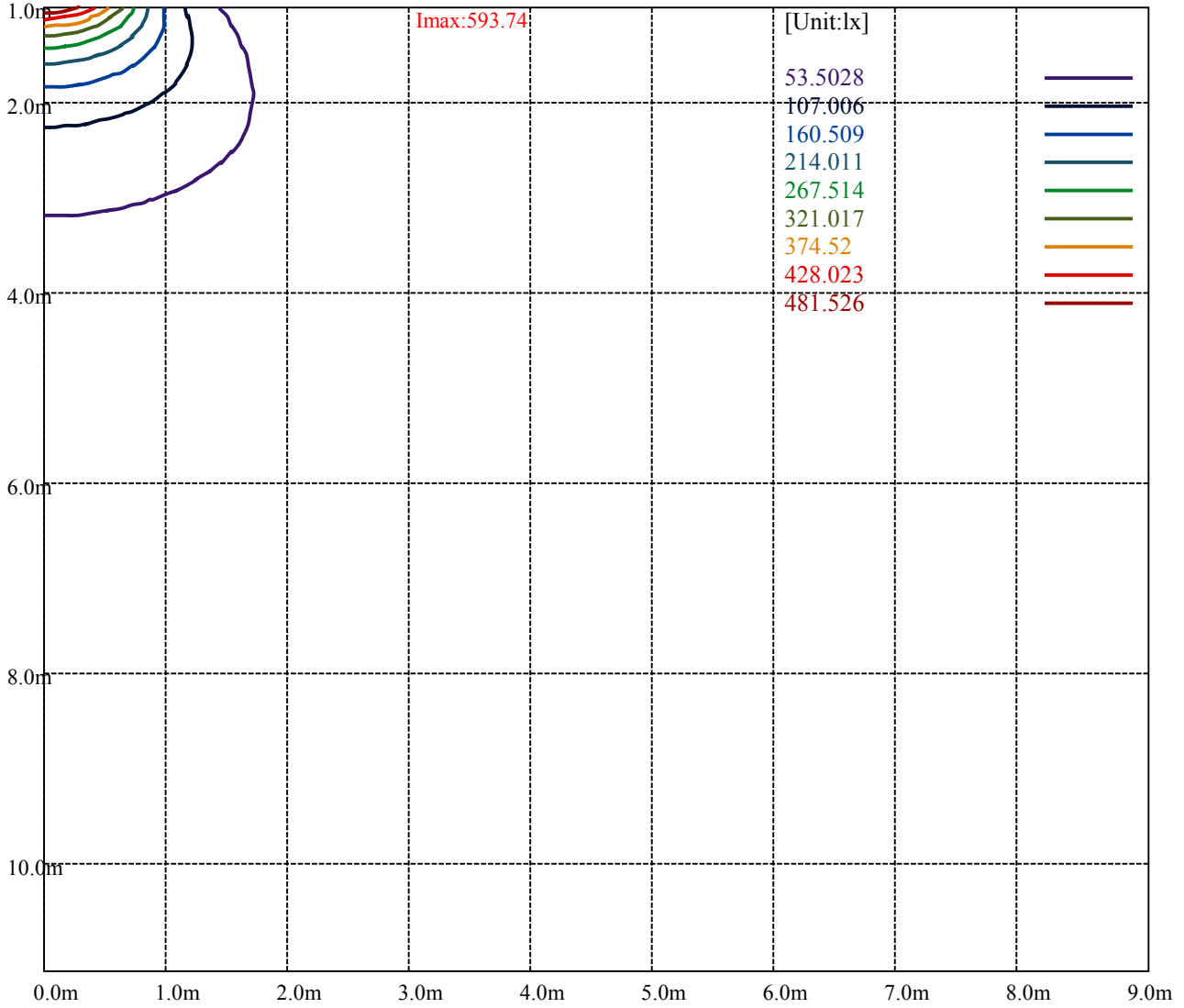
Beam Angle(50%Imax):C0/180Left:96.6 Right:26.6
:C90/270Left:96.8 Right:26.8



Max , Ave Beam angle of C0 plane 126.95



(10%Emax) 13.3757	
(20%Emax) 26.7515	
(30%Emax) 40.12725	
(40%Emax) 53.50275	
(50%Emax) 66.8785	
(60%Emax) 80.25425	
(70%Emax) 93.63	
(80%Emax) 107.0058	
(90%Emax) 120.3815	



Luminance Table

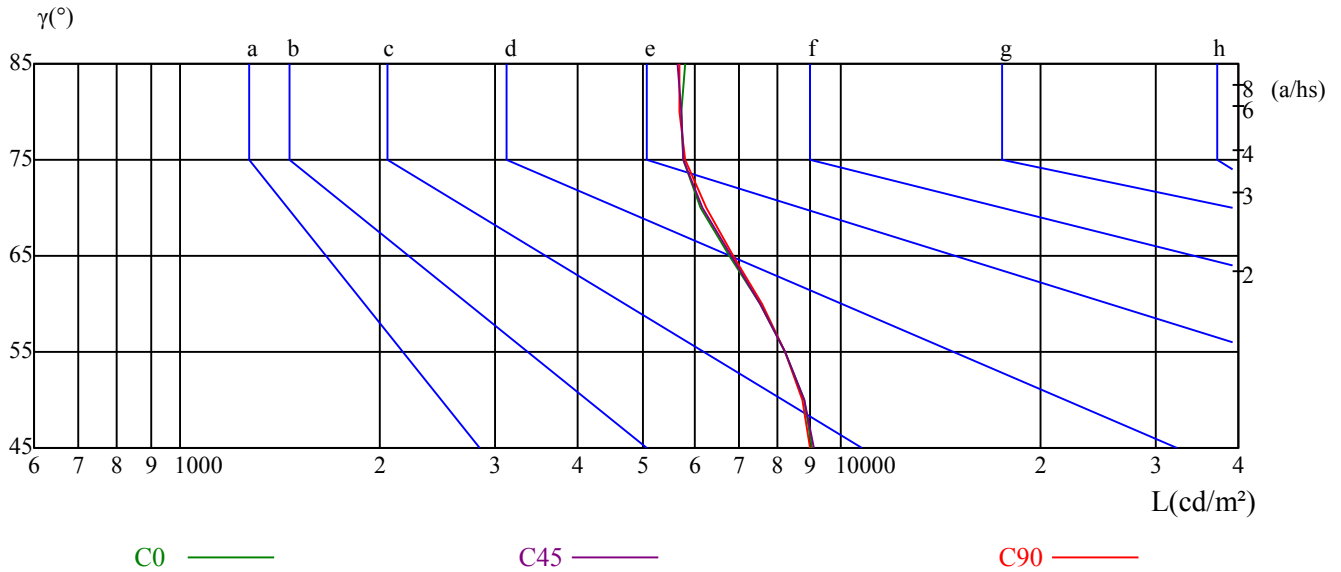
γ	45	50	55	60	65	70	75	80	85
C0	9029	8792	8252	7525	6778	6127	5763	5736	5803
C45	9100	8774	8246	7544	6834	6191	5783	5726	5644
C90	8988	8732	8235	7572	6878	6251	5798	5701	5679

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
6778	6878	6834	5763	5798	5783	5803	5679	5644

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



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	1.03	0.99	0.95	1.01	0.97	0.93	0.97	0.93	0.90	0.93	0.90	0.88	0.89	0.87	0.85	0.83
2	0.90	0.83	0.77	0.88	0.81	0.76	0.84	0.79	0.74	0.81	0.76	0.72	0.78	0.74	0.71	0.68
3	0.78	0.70	0.63	0.77	0.69	0.63	0.74	0.67	0.61	0.71	0.65	0.60	0.68	0.63	0.59	0.57
4	0.69	0.60	0.53	0.68	0.59	0.53	0.65	0.58	0.52	0.63	0.56	0.51	0.60	0.55	0.50	0.48
5	0.61	0.52	0.45	0.60	0.51	0.45	0.58	0.50	0.44	0.56	0.49	0.44	0.54	0.48	0.43	0.41
6	0.55	0.46	0.39	0.54	0.45	0.39	0.52	0.44	0.38	0.50	0.43	0.38	0.49	0.42	0.38	0.36
7	0.49	0.40	0.34	0.49	0.40	0.34	0.47	0.39	0.34	0.45	0.39	0.33	0.44	0.38	0.33	0.31
8	0.45	0.36	0.30	0.44	0.36	0.30	0.43	0.35	0.30	0.41	0.35	0.30	0.40	0.34	0.29	0.27
9	0.41	0.32	0.27	0.40	0.32	0.27	0.39	0.32	0.27	0.38	0.31	0.26	0.37	0.31	0.26	0.24
10	0.38	0.29	0.24	0.37	0.29	0.24	0.36	0.29	0.24	0.35	0.28	0.24	0.34	0.28	0.24	0.22

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Intensity data(cd)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	535.03	535.03	539.44	546.51	557.10	569.46	584.47	593.30	588.88
15.0	535.03	535.03	537.70	544.82	554.61	567.08	580.43	588.44	585.77
30.0	535.03	533.24	536.81	542.17	552.00	563.61	576.12	583.26	579.69
45.0	535.03	533.24	535.92	541.30	550.26	561.91	573.56	579.84	574.46
60.0	535.03	533.23	535.93	541.32	549.42	560.21	571.00	577.29	571.90
75.0	535.03	534.13	535.03	540.43	548.54	559.35	569.26	574.66	570.16
90.0	535.03	533.23	534.13	539.53	547.64	558.45	568.36	574.66	570.16
105.0	535.03	533.22	535.03	540.44	547.66	558.49	568.41	574.73	571.12
120.0	535.03	533.22	535.03	539.54	547.66	557.58	569.31	575.63	573.82
135.0	535.03	534.12	535.93	541.35	549.49	560.33	572.08	579.31	577.51
150.0	535.03	533.22	535.93	541.35	550.39	562.14	572.99	582.02	581.12
165.0	535.03	533.22	536.84	543.16	551.30	563.95	577.51	585.64	584.74
180.0	535.03	538.56	544.74	556.22	568.58	582.70	592.42	594.18	575.64
195.0	535.03	539.48	546.60	556.39	569.75	584.88	595.56	597.34	578.65
210.0	535.03	538.60	546.64	557.36	571.65	586.83	598.45	600.23	581.47
225.0	535.03	538.61	547.58	559.23	573.56	589.70	602.24	603.14	585.22
240.0	535.03	540.42	548.52	561.11	577.29	593.48	606.96	607.86	588.08
255.0	535.03	540.43	549.44	562.95	579.16	596.28	608.89	610.69	590.87
270.0	535.03	540.43	550.34	562.95	580.06	597.18	610.69	611.59	591.77
285.0	535.03	540.44	550.37	563.90	580.14	597.28	610.82	611.72	589.16
300.0	535.03	540.44	550.37	563.00	579.24	596.38	608.11	608.11	587.36
315.0	535.03	540.45	549.49	562.14	577.51	593.77	606.43	605.52	584.74
330.0	535.03	539.55	547.68	560.33	576.60	591.06	597.39	601.91	580.22
345.0	535.03	539.55	547.68	559.43	572.99	589.25	598.29	597.39	574.79
360.0	535.03	535.03	539.44	546.51	557.10	569.46	584.47	593.30	588.88
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	565.05	512.07	438.79	354.92	275.46	203.95	148.32	102.41	64.45
15.0	559.95	506.54	433.54	352.53	272.41	202.08	146.89	101.49	63.21
30.0	554.68	501.98	427.84	346.56	268.85	201.86	146.49	101.83	62.52
45.0	549.37	496.49	425.69	345.04	269.75	200.75	146.08	100.37	61.84
60.0	545.82	491.87	422.63	346.19	268.86	199.62	144.77	99.81	61.15
75.0	544.94	492.69	422.44	344.08	267.51	200.86	145.92	100.88	62.15
90.0	545.84	493.60	423.34	344.98	270.22	201.76	145.92	99.98	61.25
105.0	546.76	494.43	424.05	347.36	269.77	201.20	146.16	100.15	61.35
120.0	552.17	499.84	430.37	349.17	271.57	203.91	147.07	101.05	62.25
135.0	555.81	505.20	434.71	352.47	275.65	204.25	147.31	102.13	62.36
150.0	559.43	509.72	439.23	358.79	277.46	204.25	147.31	101.22	62.36
165.0	564.85	516.05	445.56	362.41	279.26	208.77	150.02	103.03	64.17
180.0	527.08	454.69	370.81	288.70	214.54	154.50	106.83	67.98	22.07
195.0	532.36	462.03	377.46	292.89	219.00	156.68	108.61	68.55	21.37
210.0	532.35	462.68	380.50	296.54	220.62	159.88	110.76	70.56	22.33
225.0	535.92	465.13	379.99	299.33	224.05	162.21	111.13	69.90	22.40
240.0	540.42	468.49	383.06	299.44	224.80	163.66	112.40	71.04	23.38
255.0	541.33	468.38	386.41	302.64	226.98	164.83	112.59	71.16	23.42
270.0	541.33	466.57	384.61	302.64	226.98	163.93	110.79	69.36	23.42
285.0	540.44	469.16	384.35	299.54	224.66	163.31	133.53	69.47	23.46
300.0	535.93	463.75	382.55	335.63	222.85	160.60	108.27	67.67	21.65
315.0	560.33	462.73	377.77	293.72	218.71	157.25	107.55	67.78	21.69
330.0	528.70	457.30	374.16	290.11	216.90	155.45	107.55	66.88	21.69
345.0	523.28	448.27	366.02	285.59	211.48	153.64	105.74	66.88	20.79
360.0	565.05	512.07	438.79	354.92	275.46	203.95	148.32	102.41	64.45

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Intensity data(cd)

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	17.66	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.88
15.0	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.89
30.0	16.97	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.89
45.0	16.13	0.00	0.00	0.90	0.00	0.00	0.00	0.90	0.90
60.0	16.19	0.00	0.90	0.90	0.00	0.00	0.00	0.90	0.90
75.0	15.31	0.00	0.00	0.90	0.90	0.00	0.00	0.90	0.90
90.0	14.41	0.00	0.00	0.90	0.90	0.00	0.90	0.90	0.90
105.0	16.24	0.00	0.00	0.00	0.90	0.90	0.90	0.90	0.90
120.0	16.24	0.00	0.00	0.00	0.00	0.00	0.90	0.90	0.90
135.0	16.27	0.00	0.00	0.00	0.00	0.00	0.90	0.90	0.90
150.0	17.17	0.00	0.00	0.00	0.00	0.90	0.90	0.90	0.90
165.0	18.08	0.00	0.00	0.00	0.00	0.90	0.00	0.90	0.90
180.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
195.0	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
210.0	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
225.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
240.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
255.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
270.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
285.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
300.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
315.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
330.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
345.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
360.0	17.66	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.88
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.88	0.88	0.88	1.77	1.77	1.77	1.77	1.77	2.65
15.0	0.89	0.89	0.89	1.78	1.78	1.78	1.78	2.67	1.78
30.0	0.89	0.89	0.89	1.79	1.79	1.79	1.79	1.79	1.79
45.0	0.90	0.90	0.90	1.79	1.79	1.79	1.79	1.79	1.79
60.0	0.90	0.90	0.90	1.80	1.80	1.80	1.80	1.80	1.80
75.0	0.90	0.90	0.90	1.80	1.80	1.80	1.80	1.80	1.80
90.0	0.90	0.90	0.90	1.80	1.80	1.80	1.80	2.70	1.80
105.0	0.90	0.90	0.90	1.80	1.80	1.80	1.80	2.71	2.71
120.0	0.90	0.90	0.90	1.80	1.80	1.80	1.80	1.80	1.80
135.0	0.90	0.90	0.90	1.81	1.81	1.81	1.81	1.81	1.81
150.0	0.90	0.90	0.90	1.81	1.81	1.81	1.81	1.81	1.81
165.0	0.90	0.90	0.90	0.90	1.81	1.81	1.81	1.81	1.81
180.0	0.88	0.88	0.88	0.88	0.88	1.77	1.77	1.77	1.77
195.0	0.89	0.89	0.89	0.89	0.89	1.78	1.78	1.78	1.78
210.0	0.89	0.89	0.89	0.89	0.89	1.79	1.79	1.79	1.79
225.0	0.90	0.90	0.90	0.90	0.90	1.79	1.79	1.79	1.79
240.0	0.90	0.90	0.90	0.90	0.90	1.80	1.80	1.80	1.80
255.0	0.90	0.90	0.90	0.90	0.90	1.80	1.80	1.80	1.80
270.0	0.90	0.90	0.90	0.90	0.90	1.80	1.80	1.80	1.80
285.0	0.90	0.90	0.90	0.90	0.90	1.80	1.80	1.80	1.80
300.0	0.90	0.90	0.90	0.90	0.90	1.80	1.80	1.80	1.80
315.0	0.90	0.90	0.90	0.90	0.90	1.81	1.81	1.81	1.81
330.0	0.90	0.90	0.90	0.90	0.90	0.90	1.81	1.81	1.81
345.0	0.90	0.90	0.90	0.90	0.90	1.81	1.81	1.81	1.81
360.0	0.88	0.88	0.88	1.77	1.77	1.77	1.77	1.77	2.65

Intensity data(cd)

C/γ(°)	180.0
0.0	2.65
15.0	2.67
30.0	1.79
45.0	2.69
60.0	2.70
75.0	2.70
90.0	2.70
105.0	2.71
120.0	1.80
135.0	1.81
150.0	2.71
165.0	2.71
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	2.65