



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:

LumCAT: 3-2807-L

Luminaire: 92.70.412.00

Report No: 2024308-B002

Ballast type: AC

Test No: 2024308-C002

Voltage(V): 34.210

LampCAT: TRIDONIC SLE G7 15MM

Current(A): 0.530

Lamp flux(lm): 3273.0

Power (W): 18.131

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2717.32, Efficiency(%): 83.02% , Luminous Efficacy(lm/W): 149.87

Central intensity(cd): 6181.352, Maximum intensity(cd): 6181.352

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.8

[C90/270]Total=35.8

Field angle(10%Imax): [C0/180]Total=64.6

[C90/270]Total=64.6

Maximum s/h(1/2): C0_180=0.59 C90_270=0.59

Maximum s/h(1/4): C0_180=0.60 C90_270=0.60

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.02%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.625%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/8
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6181.351	0.000	0	0.00%	0.00%
1.0	6168.623	5.909	5.909	0.18%	0.22%
2.0	6142.068	17.669	23.579	0.54%	0.87%
3.0	6093.860	29.264	52.843	0.89%	1.94%
4.0	6029.485	40.581	93.424	1.24%	3.44%
5.0	5937.605	51.482	144.906	1.57%	5.33%
6.0	5820.706	61.793	206.699	1.89%	7.61%
7.0	5670.816	71.328	278.026	2.18%	10.23%
8.0	5493.785	79.903	357.929	2.44%	13.17%
9.0	5296.637	87.451	445.38	2.67%	16.39%
10.0	5068.326	93.799	539.179	2.87%	19.84%
11.0	4844.624	99.051	638.23	3.03%	23.49%
12.0	4596.489	103.205	741.434	3.15%	27.29%
13.0	4339.648	106.049	847.484	3.24%	31.19%
14.0	4087.416	107.866	955.35	3.30%	35.16%
15.0	3836.794	108.787	1064.137	3.32%	39.16%
16.0	3577.393	108.639	1172.775	3.32%	43.16%
17.0	3311.481	107.278	1280.054	3.28%	47.11%
18.0	3065.321	105.140	1385.193	3.21%	50.98%
19.0	2824.720	102.475	1487.668	3.13%	54.75%
20.0	2605.627	99.390	1587.058	3.04%	58.41%
21.0	2371.537	95.572	1682.63	2.92%	61.92%
22.0	2164.294	91.149	1773.779	2.78%	65.28%
23.0	1981.118	86.982	1860.761	2.66%	68.48%
24.0	1789.238	82.434	1943.195	2.52%	71.51%
25.0	1598.235	77.024	2020.219	2.35%	74.35%
26.0	1434.291	71.583	2091.802	2.19%	76.98%
27.0	1269.836	66.157	2157.959	2.02%	79.42%
28.0	1168.819	61.742	2219.7	1.89%	81.69%
29.0	1061.371	58.348	2278.048	1.78%	83.83%
30.0	912.966	53.307	2331.355	1.63%	85.80%
31.0	783.177	47.201	2378.556	1.44%	87.53%
32.0	658.056	41.290	2419.846	1.26%	89.05%
33.0	533.996	35.118	2454.964	1.07%	90.35%
34.0	409.606	28.556	2483.52	0.87%	91.40%
35.0	313.593	22.460	2505.98	0.69%	92.22%
36.0	253.388	18.053	2524.033	0.55%	92.89%
37.0	173.797	13.932	2537.965	0.43%	93.40%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	142.078	10.543	2548.509	0.32%	93.79%
39.0	101.237	8.305	2556.814	0.25%	94.09%
40.0	91.456	6.720	2563.534	0.21%	94.34%
41.0	83.987	6.247	2569.782	0.19%	94.57%
42.0	78.076	5.888	2575.67	0.18%	94.79%
43.0	72.707	5.585	2581.255	0.17%	94.99%
44.0	68.435	5.327	2586.582	0.16%	95.19%
45.0	64.594	5.112	2591.695	0.16%	95.38%
46.0	61.046	4.914	2596.608	0.15%	95.56%
47.0	58.113	4.739	2601.348	0.14%	95.73%
48.0	55.531	4.594	2605.942	0.14%	95.90%
49.0	53.307	4.469	2610.411	0.14%	96.07%
50.0	51.193	4.357	2614.768	0.13%	96.23%
51.0	49.444	4.258	2619.026	0.13%	96.38%
52.0	47.740	4.170	2623.196	0.13%	96.54%
53.0	46.130	4.083	2627.28	0.12%	96.69%
54.0	44.484	3.994	2631.273	0.12%	96.83%
55.0	42.758	3.894	2635.168	0.12%	96.98%
56.0	40.944	3.782	2638.95	0.12%	97.12%
57.0	39.108	3.660	2642.61	0.11%	97.25%
58.0	37.257	3.531	2646.142	0.11%	97.38%
59.0	35.311	3.393	2649.534	0.10%	97.51%
60.0	33.475	3.250	2652.784	0.10%	97.63%
61.0	31.931	3.121	2655.905	0.10%	97.74%
62.0	30.549	3.011	2658.916	0.09%	97.85%
63.0	29.152	2.904	2661.819	0.09%	97.96%
64.0	27.923	2.801	2664.62	0.09%	98.06%
65.0	26.767	2.707	2667.326	0.08%	98.16%
66.0	25.962	2.631	2669.957	0.08%	98.26%
67.0	25.428	2.584	2672.541	0.08%	98.35%
68.0	24.960	2.552	2675.094	0.08%	98.45%
69.0	24.404	2.518	2677.612	0.08%	98.54%
70.0	24.002	2.486	2680.098	0.08%	98.63%
71.0	23.767	2.469	2682.567	0.08%	98.72%
72.0	23.051	2.434	2685.001	0.07%	98.81%
73.0	22.473	2.381	2687.382	0.07%	98.90%
74.0	22.019	2.339	2689.721	0.07%	98.98%
75.0	21.441	2.296	2692.017	0.07%	99.07%

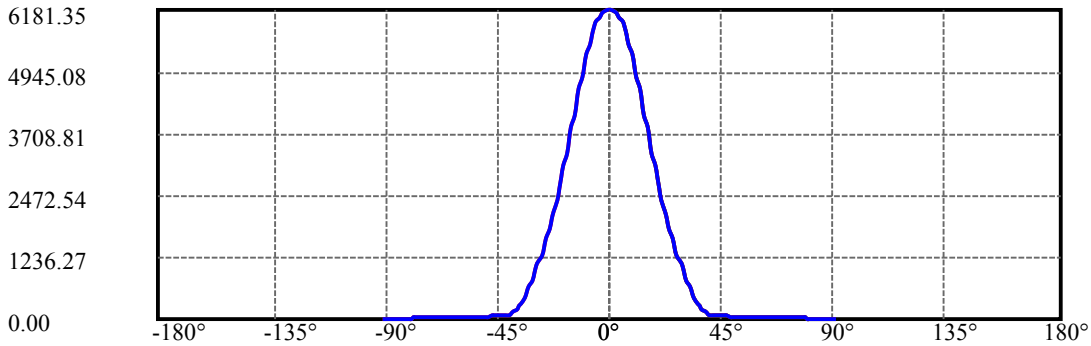
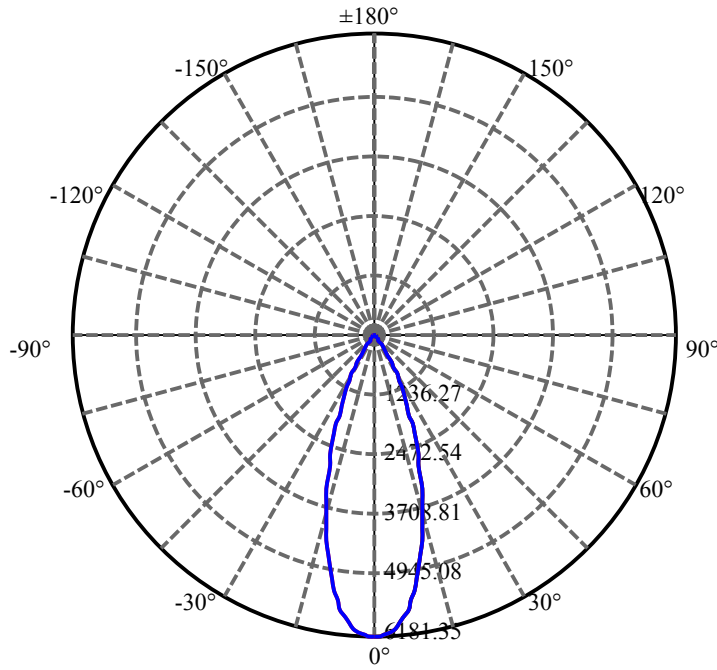
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.863	2.246	2694.263	0.07%	99.15%
77.0	20.263	2.193	2696.456	0.07%	99.23%
78.0	19.590	2.133	2698.589	0.07%	99.31%
79.0	18.837	2.065	2700.654	0.06%	99.39%
80.0	17.762	1.973	2702.627	0.06%	99.46%
81.0	16.481	1.852	2704.479	0.06%	99.53%
82.0	15.333	1.725	2706.204	0.05%	99.59%
83.0	14.060	1.598	2707.802	0.05%	99.65%
84.0	13.402	1.496	2709.298	0.05%	99.70%
85.0	12.860	1.433	2710.731	0.04%	99.76%
86.0	12.443	1.383	2712.114	0.04%	99.81%
87.0	12.026	1.339	2713.453	0.04%	99.86%
88.0	11.792	1.305	2714.758	0.04%	99.91%
89.0	11.690	1.287	2716.045	0.04%	99.95%
90.0	11.514	1.272	2717.318	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2331.36	71.23%	85.80%
0-40	2563.53	78.32%	94.34%
0-60	2652.78	81.05%	97.63%
0-90	2716.05	82.98%	99.95%
0-120	2716.05	82.98%	99.95%
0-180	2717.32	83.02%	100.00%
60-90	63.26	1.93%	2.33%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.26	2173.85	66.42%	80.00%

ZONAL LUMEN SUMMARY

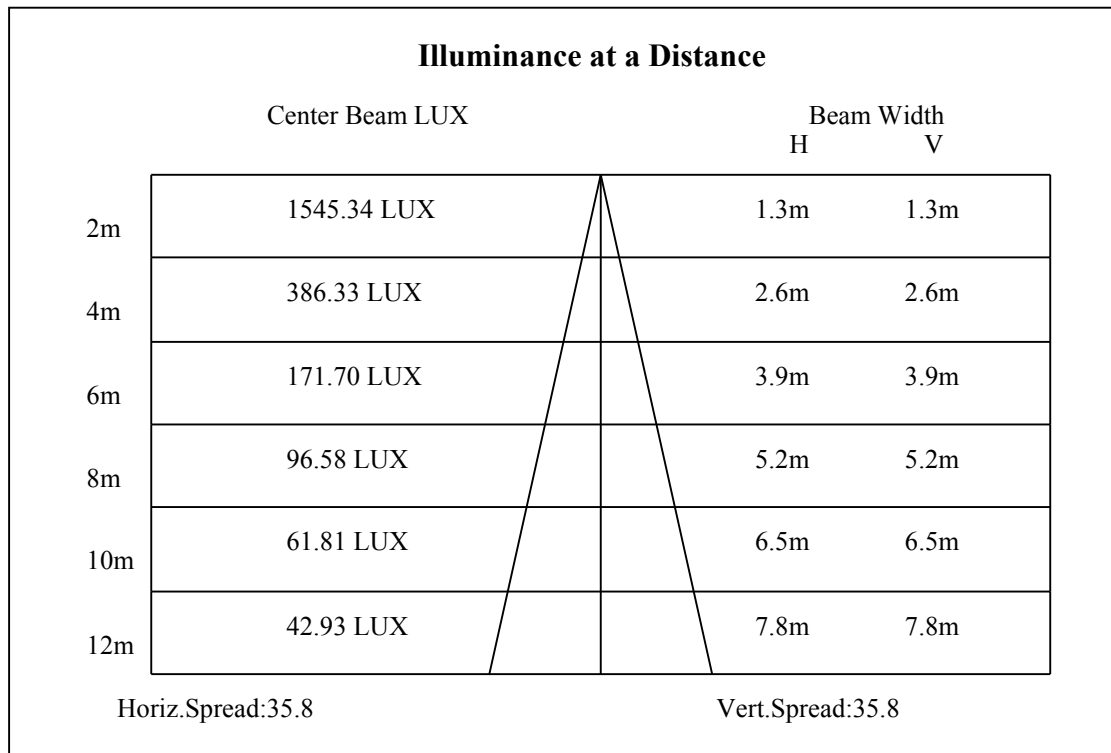
0-10	539.18
10-20	1047.88
20-30	744.30
30-40	232.18
40-50	51.23
50-60	38.02
60-70	27.31
70-80	22.53
80-90	13.42
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

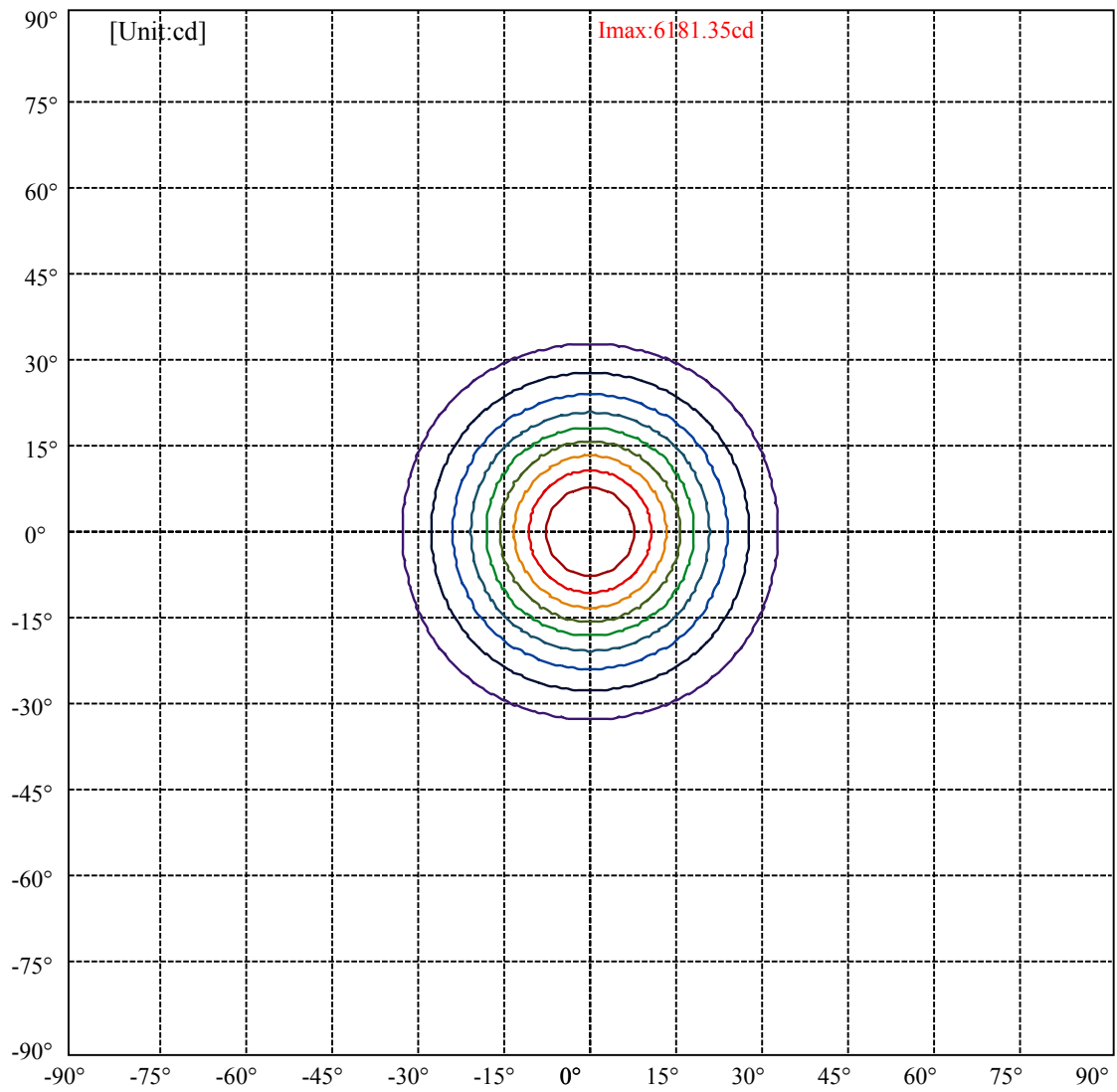


C0(Max): —————
C0/C180: —————
C90/C270: —————

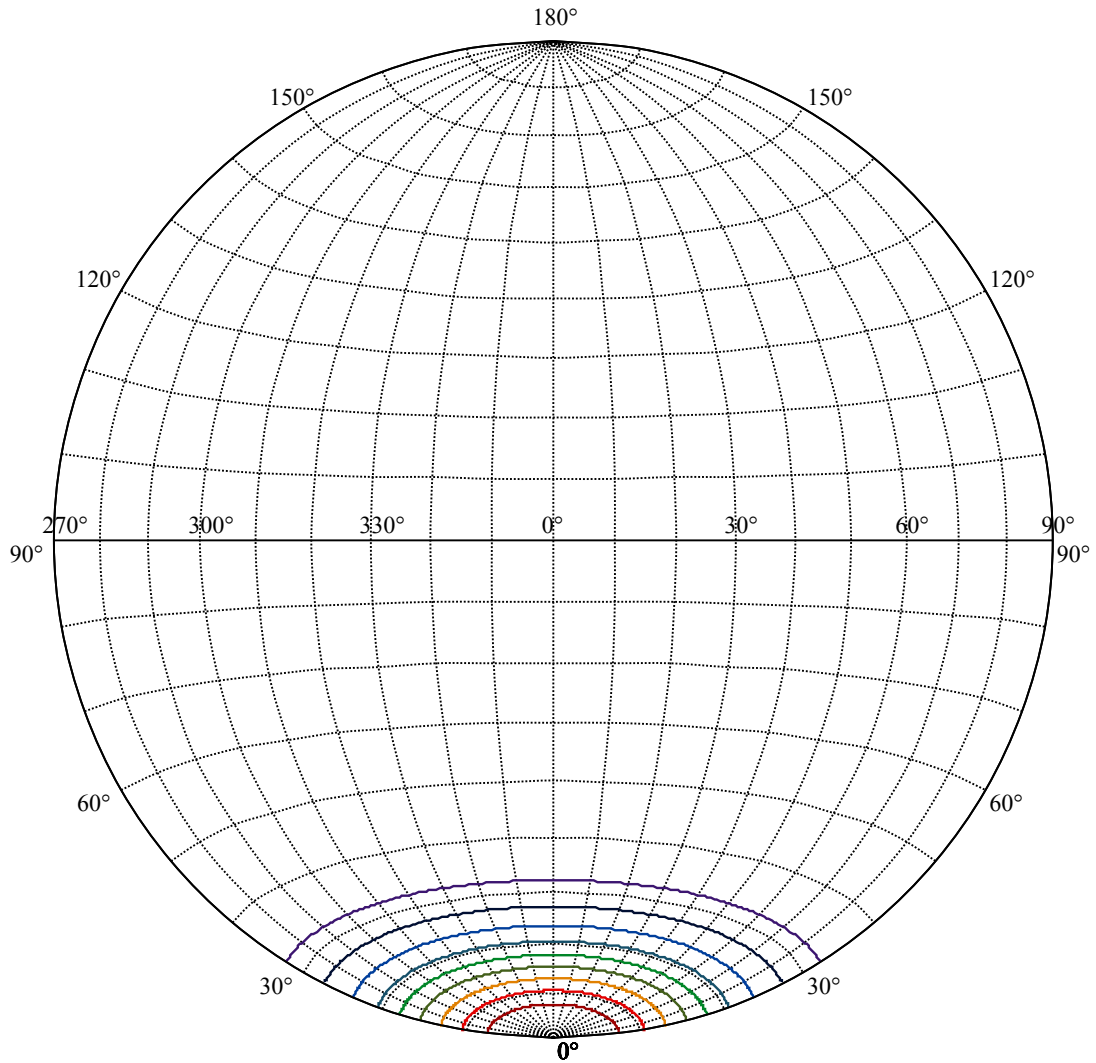
Field angle(10%Imax):C0/180Left:32.3 Right:32.3
:C90/270Left:32.3 Right:32.3

Beam Angle(50%Imax):C0/180Left:17.9 Right:17.9
:C90/270Left:17.9 Right:17.9





(10%Imax) 618.135	—
(20%Imax) 1236.27	—
(30%Imax) 1854.41	—
(40%Imax) 2472.54	—
(50%Imax) 3090.68	—
(60%Imax) 3708.81	—
(70%Imax) 4326.95	—
(80%Imax) 4945.08	—
(90%Imax) 5563.22	—



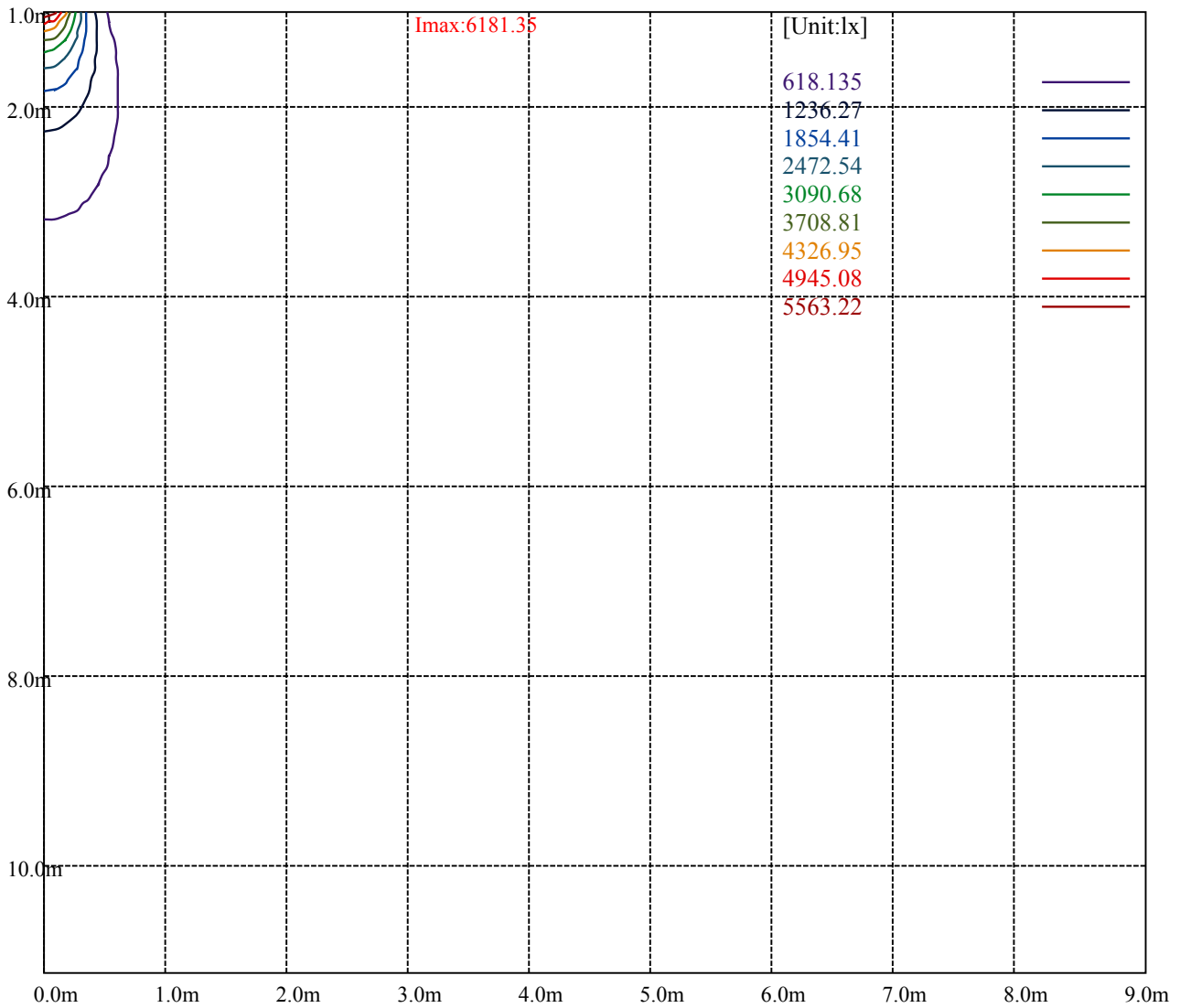
House

[Unit:cd]

Road

Imax:6181.35

(10%Imax)	618.135	—
(20%Imax)	1236.27	—
(30%Imax)	1854.41	—
(40%Imax)	2472.54	—
(50%Imax)	3090.68	—
(60%Imax)	3708.81	—
(70%Imax)	4326.95	—
(80%Imax)	4945.08	—
(90%Imax)	5563.22	—



Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

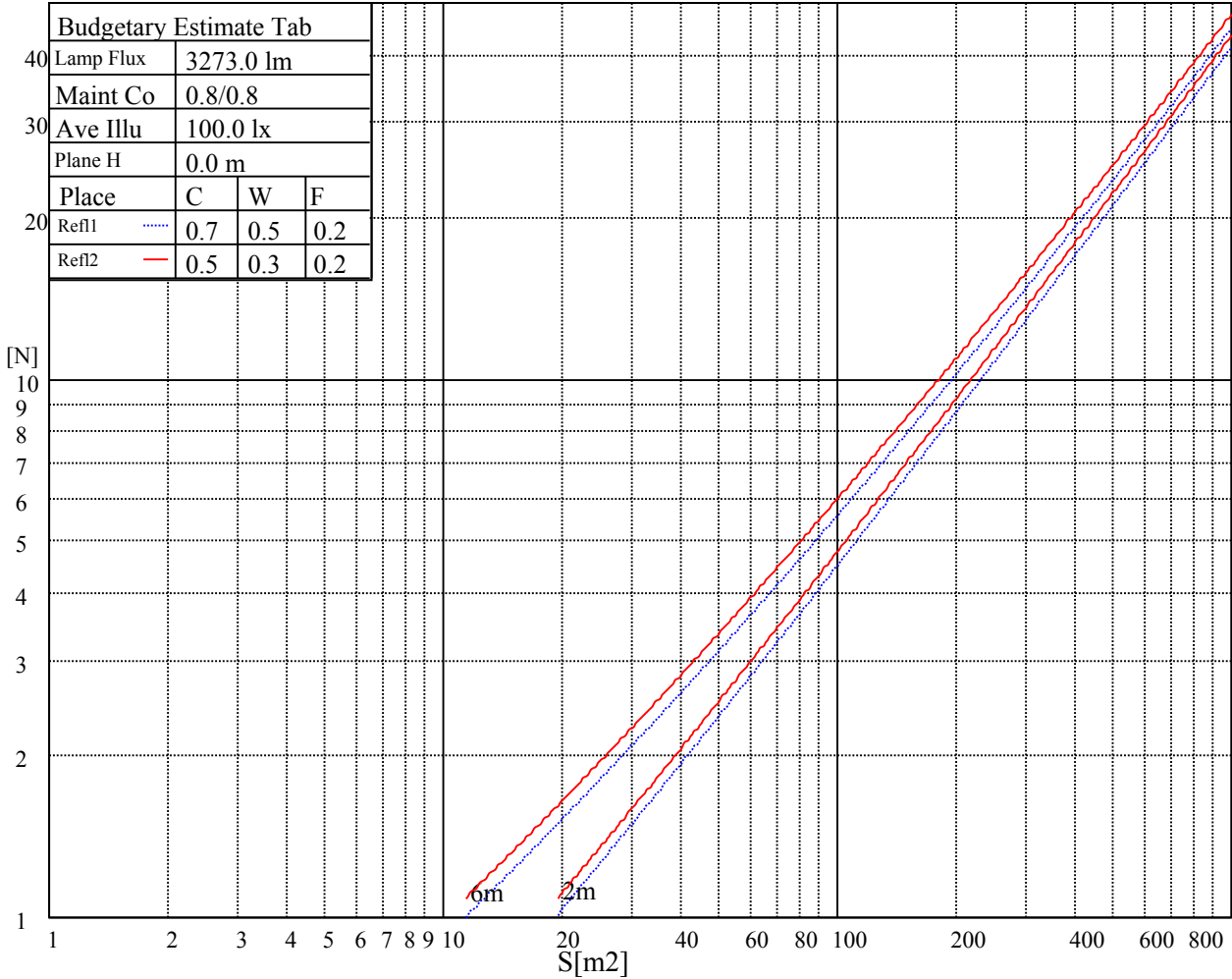
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

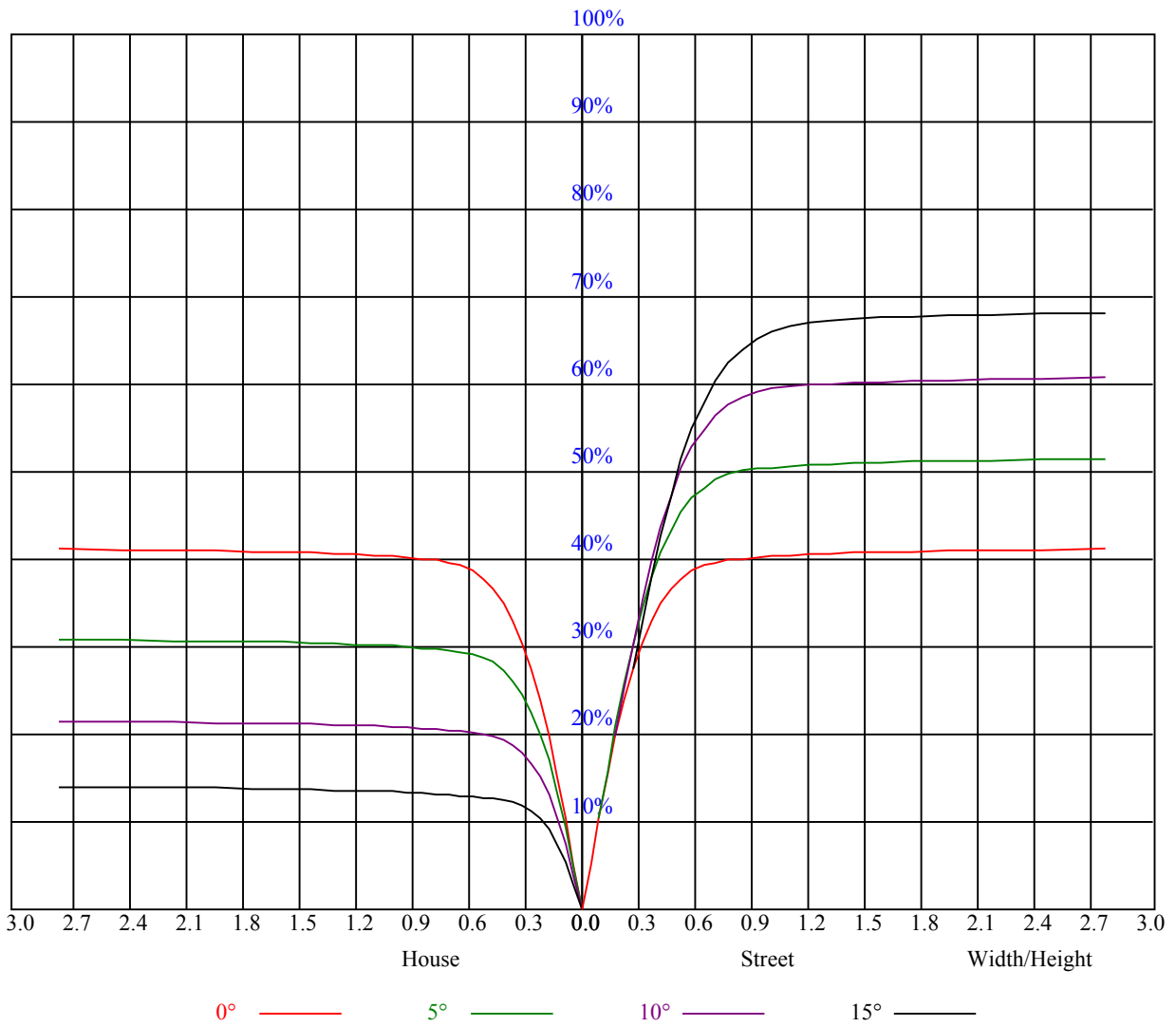


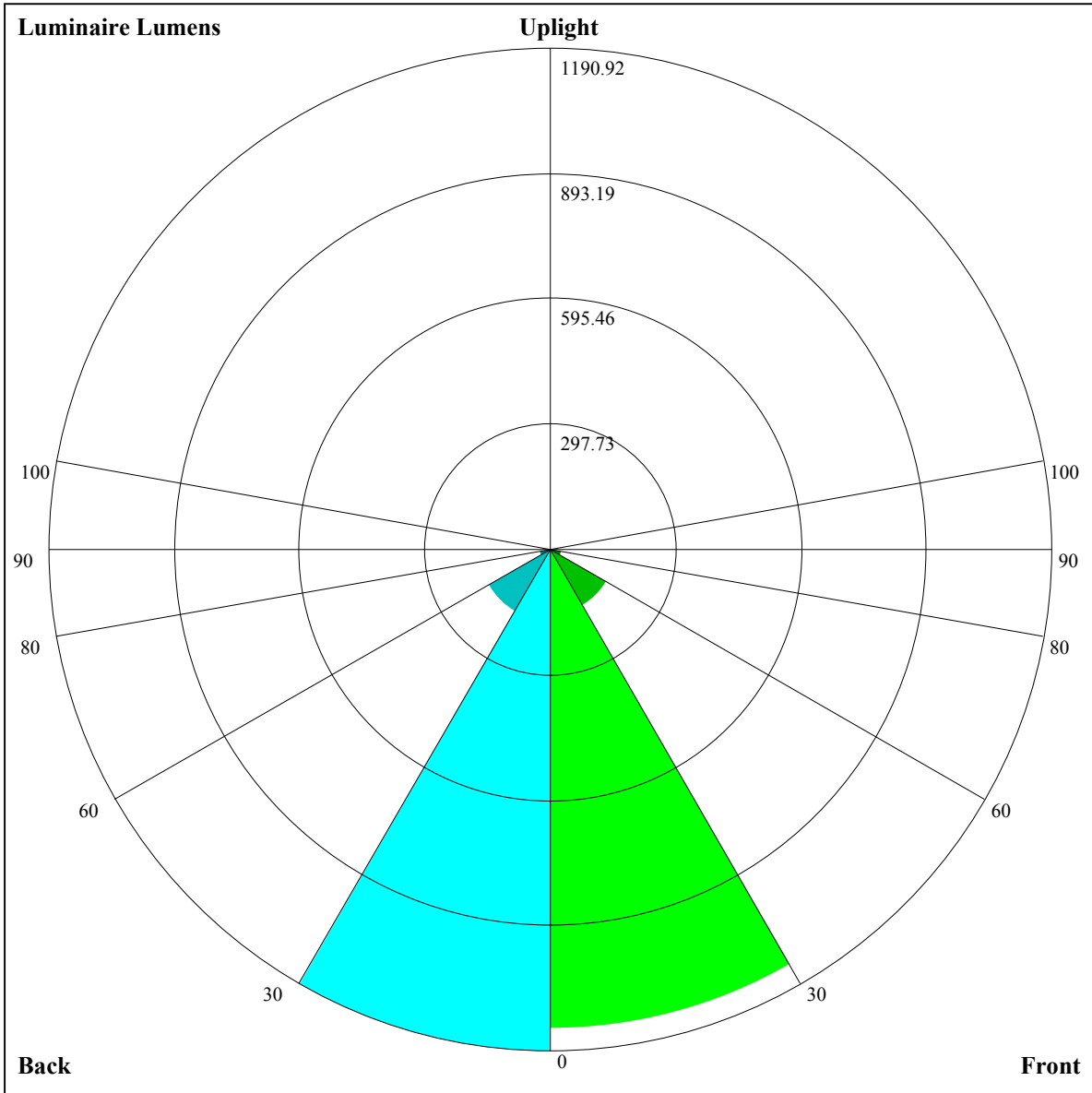
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
4H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOF=20 CU															
0	0.99	0.99	0.99	0.97	0.97	0.97	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.92	0.90	0.89	0.91	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.78
2	0.87	0.84	0.81	0.85	0.83	0.80	0.83	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
4	0.77	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.69	0.68	0.66
5	0.74	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.70	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
7	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.52	0.51





Luminaire Lumens:

FL=1138.78,FM=153.34,FH=25.52,FVH=7.34

BL=1190.92,BM=172.06,BH=26.15,BVH=7.54

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	6164.23	6111.56	6074.11	6012.66	5927.22	5782.08	5631.68	5405.78	5204.46
45.0	6197.59	6169.50	6123.27	6057.14	5995.10	5884.50	5766.87	5617.63	5402.27
90.0	6165.99	6106.88	6049.53	5963.50	5863.43	5741.70	5550.33	5373.01	5184.57
135.0	6197.59	6176.52	6127.95	6070.60	5980.47	5883.33	5759.26	5583.11	5416.32
180.0	6164.23	6194.67	6206.95	6187.06	6154.87	6084.64	6021.44	5897.37	5765.70
225.0	6197.59	6203.44	6185.89	6144.92	6084.64	6015.00	5885.67	5753.41	5592.47
270.0	6165.99	6195.84	6199.93	6188.23	6143.75	6099.27	6030.22	5940.09	5789.69
315.0	6197.59	6190.57	6168.92	6126.78	6086.40	6010.32	5920.19	5796.13	5594.81
360.0	6164.23	6111.56	6074.11	6012.66	5927.22	5782.08	5631.68	5405.78	5204.46
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4985.59	4697.07	4458.30	4214.85	3907.61	3664.15	3416.02	3175.49	2889.31
45.0	5206.81	5003.15	4787.20	4506.29	4266.35	4031.09	3789.98	3490.93	3255.08
90.0	4932.33	4714.63	4477.03	4240.01	3945.65	3707.46	3466.93	3230.50	2949.01
135.0	5180.47	4973.89	4755.01	4474.69	4236.50	3998.32	3754.28	3448.79	3217.04
180.0	5614.71	5397.00	5202.12	4989.69	4714.63	4488.73	4247.04	3993.63	3692.83
225.0	5413.97	5164.08	4951.65	4670.15	4441.92	4203.73	3905.85	3662.98	3418.94
270.0	5633.43	5452.60	5206.22	4985.59	4747.40	4451.87	4200.80	3950.91	3648.35
315.0	5405.78	5144.19	4919.46	4690.64	4457.13	4153.99	3913.46	3665.91	3421.28
360.0	4985.59	4697.07	4458.30	4214.85	3907.61	3664.15	3416.02	3175.49	2889.31
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2674.54	2469.12	2277.17	2048.35	1877.46	1712.43	1513.45	1161.73	1161.73
45.0	3023.92	2746.52	2537.01	2290.04	2102.77	1928.96	1724.72	1561.44	1411.04
90.0	2730.72	2468.54	2268.39	2079.36	1868.10	1706.57	1547.39	1406.35	1140.02
135.0	2984.12	2759.39	2545.79	2299.41	2111.55	1899.11	1734.08	1569.63	1390.55
180.0	3452.89	3207.68	2958.37	2690.92	2483.75	2285.95	2048.93	1883.31	1682.00
225.0	3120.48	2885.80	2664.59	2449.23	2202.85	2021.43	1851.13	1690.77	1494.14
270.0	3416.02	3174.90	2926.18	2655.81	2451.57	2257.86	2069.41	1850.54	1690.19
315.0	3119.89	2885.80	2667.51	2459.17	2216.31	2036.64	1824.79	1662.10	1504.67
360.0	2674.54	2469.12	2277.17	2048.35	1877.46	1712.43	1513.45	1161.73	1161.73
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1098.47	968.55	838.69	686.18	570.95	459.52	356.05	243.40	168.43
45.0	1289.89	1147.10	1010.16	889.02	760.27	641.47	503.35	396.84	297.94
90.0	1140.02	1021.28	886.73	732.88	617.65	502.65	392.16	270.32	188.56
135.0	1277.60	1161.14	1002.55	873.21	752.07	629.18	482.28	379.28	309.64
180.0	1523.98	1391.72	1278.19	1130.13	989.09	859.17	730.42	578.26	468.24
225.0	1162.90	1162.90	1128.49	963.16	821.30	667.39	551.81	441.90	320.06
270.0	1530.42	1362.46	1246.59	1093.84	953.39	823.47	692.38	541.98	431.37
315.0	1135.40	1135.40	1099.58	935.31	800.70	681.61	563.51	424.87	324.51
360.0	1098.47	968.55	838.69	686.18	570.95	459.52	356.05	243.40	168.43
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	122.25	106.98	94.63	87.37	81.17	74.73	70.17	66.19	61.86
45.0	297.94	125.18	101.01	91.59	84.57	77.66	72.86	68.65	65.08
90.0	127.58	103.06	93.40	84.51	79.01	74.15	69.88	65.31	61.98
135.0	309.64	123.31	106.51	96.09	86.67	80.76	75.79	70.23	66.54
180.0	366.99	296.77	296.77	124.65	107.39	97.56	89.71	81.70	76.66
225.0	236.31	166.85	122.02	107.45	95.57	87.78	81.40	75.20	70.93
270.0	331.30	307.30	204.19	116.23	104.46	94.98	85.97	80.23	75.44
315.0	235.08	160.94	118.10	102.00	92.82	84.27	78.83	74.15	69.00
360.0	122.25	106.98	94.63	87.37	81.17	74.73	70.17	66.19	61.86

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	58.93	56.24	53.43	51.44	49.63	47.70	46.29	44.71	43.31
45.0	61.04	58.41	55.95	53.90	51.50	49.80	48.52	46.76	45.35
90.0	59.17	56.65	53.90	51.91	50.27	48.87	47.11	45.59	43.95
135.0	63.15	59.40	56.83	54.66	52.44	50.10	48.69	47.17	45.59
180.0	72.16	67.01	63.44	60.40	57.70	54.78	52.61	50.74	48.98
225.0	66.95	62.44	59.58	56.30	54.07	52.09	50.21	48.16	46.47
270.0	70.11	66.31	63.03	59.46	56.88	54.13	52.20	50.39	48.63
315.0	65.25	61.92	58.76	56.18	53.96	52.09	49.92	48.40	46.76
360.0	58.93	56.24	53.43	51.44	49.63	47.70	46.29	44.71	43.31
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	41.49	39.74	38.04	36.17	34.06	32.48	30.43	29.03	27.80
45.0	44.24	42.37	40.61	38.68	36.93	35.05	33.59	31.60	30.14
90.0	42.55	40.79	38.74	36.87	35.23	33.30	31.60	30.78	31.02
135.0	43.95	42.31	40.15	38.45	36.58	34.35	32.77	31.08	29.67
180.0	46.88	45.18	43.66	41.55	39.85	37.51	35.70	34.18	32.36
225.0	45.00	43.37	41.20	39.50	37.92	35.99	33.94	32.42	30.37
270.0	46.53	44.89	43.42	41.61	39.44	37.75	35.82	33.88	32.36
315.0	45.24	43.42	41.73	40.03	38.04	36.05	33.94	32.48	30.67
360.0	41.49	39.74	38.04	36.17	34.06	32.48	30.43	29.03	27.80
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.10	24.87	23.94	23.06	21.83	21.07	20.60	20.37	19.96
45.0	28.79	27.56	26.28	25.11	24.29	23.41	23.17	23.47	23.23
90.0	31.25	31.08	30.72	31.13	32.77	34.18	34.00	32.60	32.07
135.0	27.92	26.51	25.46	24.64	23.35	22.36	21.59	20.72	19.78
180.0	30.08	28.85	27.45	25.98	24.76	23.82	22.77	21.65	20.95
225.0	29.03	27.74	26.22	25.22	24.29	23.47	22.59	22.59	22.71
270.0	30.67	28.97	27.80	27.45	27.92	28.32	28.56	29.44	31.02
315.0	29.38	27.80	26.28	25.11	24.23	23.06	21.95	21.19	20.42
360.0	26.10	24.87	23.94	23.06	21.83	21.07	20.60	20.37	19.96
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.43	19.02	18.55	18.08	17.50	16.80	16.04	15.04	14.10
45.0	22.65	22.18	21.48	21.07	20.60	19.90	19.31	18.84	18.32
90.0	30.08	29.03	28.21	27.39	26.04	25.22	24.05	22.30	19.31
135.0	19.14	18.38	17.79	17.21	16.68	16.21	15.86	15.39	15.04
180.0	20.25	19.66	20.13	20.07	20.07	19.61	19.55	19.08	18.55
225.0	23.06	23.47	23.47	23.29	22.88	22.59	21.83	21.30	20.07
270.0	30.37	29.32	28.56	26.98	26.22	25.46	24.17	23.17	21.71
315.0	19.43	18.73	17.97	17.44	16.91	16.33	15.92	15.57	14.98
360.0	19.43	19.02	18.55	18.08	17.50	16.80	16.04	15.04	14.10
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.69	13.23	12.87	12.52	12.17	11.88	11.65	11.41	11.59
45.0	17.03	15.57	14.10	13.40	12.70	12.17	11.88	11.76	11.47
90.0	15.39	13.87	13.40	12.93	12.23	11.94	11.70	11.41	11.76
135.0	14.63	14.22	13.93	13.52	12.64	12.11	11.82	12.00	11.47
180.0	17.67	15.92	14.16	13.64	13.34	13.05	12.47	12.06	11.70
225.0	18.26	16.33	14.22	13.69	13.17	12.70	12.11	11.76	11.94
270.0	20.48	19.31	15.80	13.99	13.52	13.05	12.41	12.06	11.76
315.0	14.69	14.22	13.99	13.52	13.11	12.64	12.17	11.88	11.82
360.0	13.69	13.23	12.87	12.52	12.17	11.88	11.65	11.41	11.59

Intensity data(cd)

C/γ(°)	90.0
0.0	11.47
45.0	11.76
90.0	11.47
135.0	11.47
180.0	11.47
225.0	11.41
270.0	11.65
315.0	11.41
360.0	11.47