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NT

Client:

LumCAT: 3-2807-L

Luminaire: 92.70.412.00

Report No: 2024321-B020

Ballast type: AC

Test No: 2024321-C020

Voltage(V): 35.160

LampCAT: Fortimo\_SLM\_C\_1205

Current(A): 0.450

Lamp flux(lm): 2693.0

Power (W): 15.822

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2237.60, Efficiency(%): 83.09% , Luminous Efficacy(lm/W): 141.42

Central intensity(cd): 5107.610, Maximum intensity(cd): 5107.610

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.4

[C90/270]Total=35.4

Field angle(10%Imax): [C0/180]Total=64.4

[C90/270]Total=64.4

Maximum s/h(1/2): C0\_180=0.58 C90\_270=0.58

Maximum s/h(1/4): C0\_180=0.59 C90\_270=0.59

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.09%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.534%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/21  
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	5107.610	0.000	0	0.00%	0.00%
1.0	5096.710	4.883	4.883	0.18%	0.22%
2.0	5071.692	14.595	19.477	0.54%	0.87%
3.0	5032.335	24.166	43.643	0.90%	1.95%
4.0	4979.226	33.512	77.155	1.24%	3.45%
5.0	4912.218	42.552	119.707	1.58%	5.35%
6.0	4813.388	51.111	170.818	1.90%	7.63%
7.0	4693.051	59.006	229.824	2.19%	10.27%
8.0	4546.013	66.122	295.946	2.46%	13.23%
9.0	4382.223	72.359	368.305	2.69%	16.46%
10.0	4205.412	77.715	446.02	2.89%	19.93%
11.0	3998.901	81.978	527.998	3.04%	23.60%
12.0	3801.461	85.269	613.267	3.17%	27.41%
13.0	3584.342	87.651	700.918	3.25%	31.32%
14.0	3364.883	88.949	789.867	3.30%	35.30%
15.0	3149.666	89.435	879.302	3.32%	39.30%
16.0	2922.892	88.980	968.282	3.30%	43.27%
17.0	2716.088	87.814	1056.096	3.26%	47.20%
18.0	2495.824	85.933	1142.029	3.19%	51.04%
19.0	2300.212	83.441	1225.47	3.10%	54.77%
20.0	2106.576	80.656	1306.127	3.00%	58.37%
21.0	1929.545	77.502	1383.628	2.88%	61.84%
22.0	1765.536	74.254	1457.883	2.76%	65.15%
23.0	1596.625	70.547	1528.43	2.62%	68.31%
24.0	1423.626	66.034	1594.463	2.45%	71.26%
25.0	1273.830	61.334	1655.798	2.28%	74.00%
26.0	1191.642	58.198	1713.995	2.16%	76.60%
27.0	1090.611	55.836	1769.831	2.07%	79.10%
28.0	987.779	52.620	1822.452	1.95%	81.45%
29.0	880.266	48.873	1871.325	1.81%	83.63%
30.0	759.564	44.275	1915.6	1.64%	85.61%
31.0	651.992	39.282	1954.882	1.46%	87.37%
32.0	533.864	33.973	1988.855	1.26%	88.88%
33.0	435.956	28.571	2017.426	1.06%	90.16%
34.0	347.324	23.704	2041.131	0.88%	91.22%
35.0	268.077	19.112	2060.243	0.71%	92.07%
36.0	224.185	15.674	2075.916	0.58%	92.77%
37.0	144.872	12.037	2087.953	0.45%	93.31%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	96.101	8.043	2095.996	0.30%	93.67%
39.0	83.234	6.121	2102.117	0.23%	93.95%
40.0	75.399	5.533	2107.65	0.21%	94.19%
41.0	69.708	5.167	2112.817	0.19%	94.42%
42.0	64.762	4.886	2117.703	0.18%	94.64%
43.0	60.739	4.649	2122.352	0.17%	94.85%
44.0	57.096	4.447	2126.799	0.17%	95.05%
45.0	53.965	4.268	2131.067	0.16%	95.24%
46.0	51.273	4.116	2135.183	0.15%	95.42%
47.0	48.793	3.980	2139.163	0.15%	95.60%
48.0	46.620	3.857	2143.02	0.14%	95.77%
49.0	44.704	3.750	2146.77	0.14%	95.94%
50.0	43.029	3.658	2150.428	0.14%	96.10%
51.0	41.536	3.578	2154.006	0.13%	96.26%
52.0	40.095	3.503	2157.509	0.13%	96.42%
53.0	38.698	3.427	2160.936	0.13%	96.57%
54.0	37.293	3.349	2164.286	0.12%	96.72%
55.0	35.933	3.269	2167.554	0.12%	96.87%
56.0	34.492	3.182	2170.737	0.12%	97.01%
57.0	33.021	3.087	2173.824	0.11%	97.15%
58.0	31.405	2.979	2176.803	0.11%	97.28%
59.0	29.846	2.864	2179.666	0.11%	97.41%
60.0	28.471	2.755	2182.421	0.10%	97.53%
61.0	26.928	2.644	2185.065	0.10%	97.65%
62.0	25.611	2.532	2187.597	0.09%	97.77%
63.0	24.448	2.435	2190.031	0.09%	97.87%
64.0	23.336	2.345	2192.376	0.09%	97.98%
65.0	22.392	2.263	2194.639	0.08%	98.08%
66.0	21.624	2.196	2196.835	0.08%	98.18%
67.0	21.112	2.149	2198.984	0.08%	98.27%
68.0	20.673	2.117	2201.101	0.08%	98.37%
69.0	20.563	2.104	2203.205	0.08%	98.46%
70.0	20.629	2.116	2205.32	0.08%	98.56%
71.0	20.571	2.129	2207.45	0.08%	98.65%
72.0	20.249	2.122	2209.572	0.08%	98.75%
73.0	20.059	2.108	2211.68	0.08%	98.84%
74.0	19.839	2.098	2213.777	0.08%	98.94%
75.0	19.269	2.066	2215.844	0.08%	99.03%

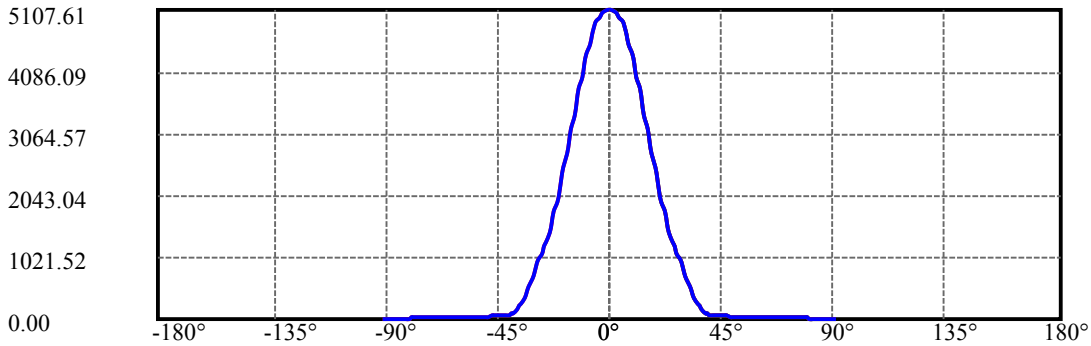
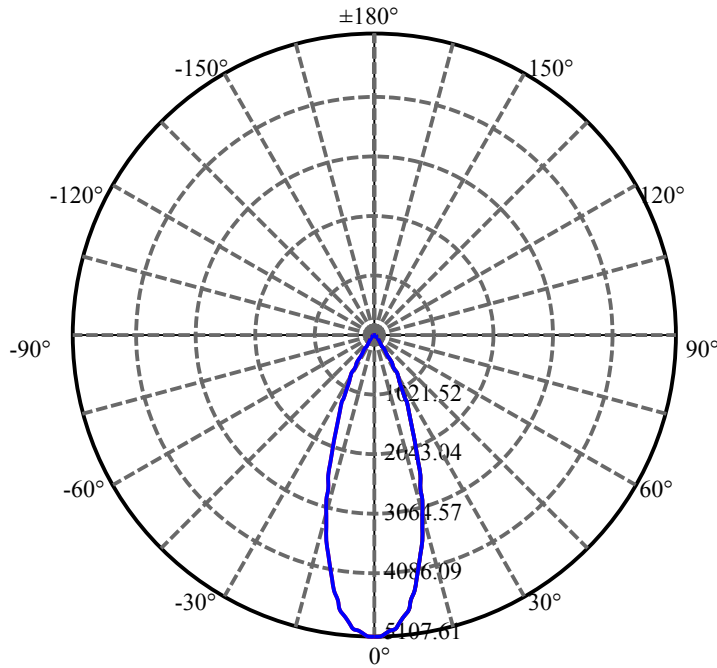
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.756	2.019	2217.862	0.07%	99.12%
77.0	18.208	1.971	2219.833	0.07%	99.21%
78.0	17.440	1.908	2221.741	0.07%	99.29%
79.0	16.752	1.837	2223.578	0.07%	99.37%
80.0	15.757	1.753	2225.331	0.07%	99.45%
81.0	14.448	1.633	2226.964	0.06%	99.52%
82.0	12.685	1.471	2228.436	0.05%	99.59%
83.0	11.566	1.318	2229.754	0.05%	99.65%
84.0	11.068	1.233	2230.987	0.05%	99.70%
85.0	10.629	1.184	2232.171	0.04%	99.76%
86.0	10.183	1.138	2233.309	0.04%	99.81%
87.0	9.883	1.098	2234.407	0.04%	99.86%
88.0	9.707	1.073	2235.48	0.04%	99.91%
89.0	9.685	1.063	2236.543	0.04%	99.95%
90.0	9.554	1.055	2237.598	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1915.60	71.13%	85.61%
0-40	2107.65	78.26%	94.19%
0-60	2182.42	81.04%	97.53%
0-90	2236.54	83.05%	99.95%
0-120	2236.54	83.05%	99.95%
0-180	2237.60	83.09%	100.00%
60-90	54.12	2.01%	2.42%
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%
0-27.38	1790.08	66.47%	80.00%

ZONAL LUMEN SUMMARY

0-10	446.02
10-20	860.11
20-30	609.47
30-40	192.05
40-50	42.78
50-60	31.99
60-70	22.90
70-80	20.01
80-90	11.21
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: —————

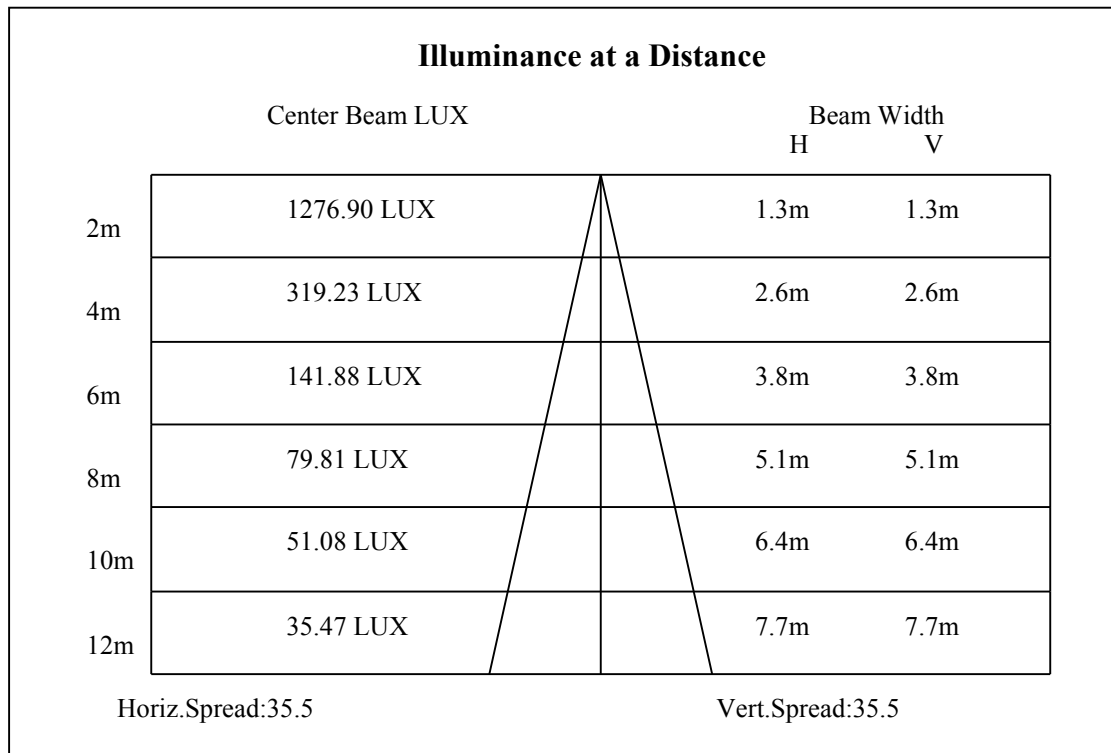
C90/C270: —————

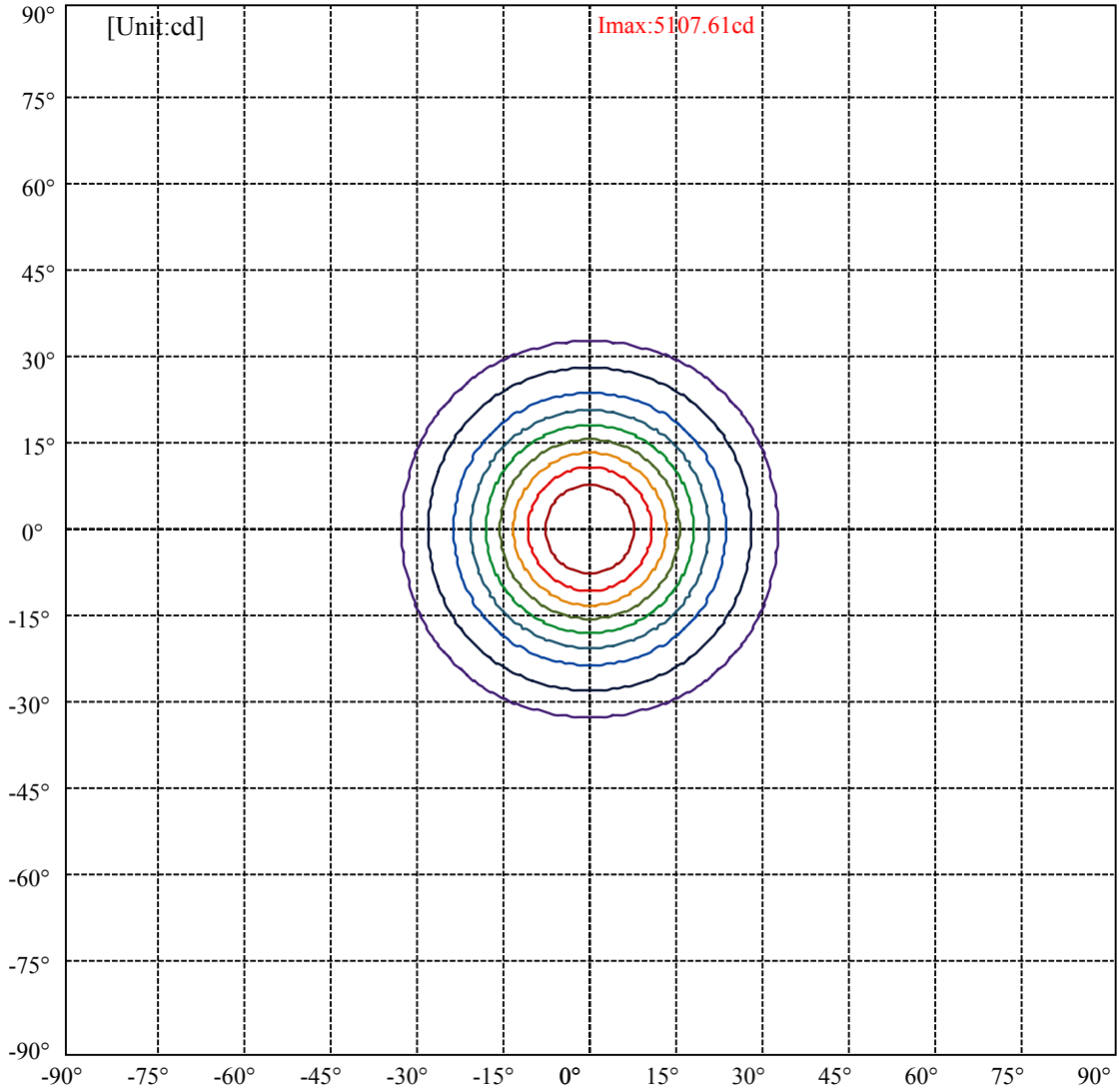
Field angle(10%Imax):C0/180Left:32.2 Right:32.2

:C90/270Left:32.2 Right:32.2

Beam Angle(50%Imax):C0/180Left:17.7 Right:17.7

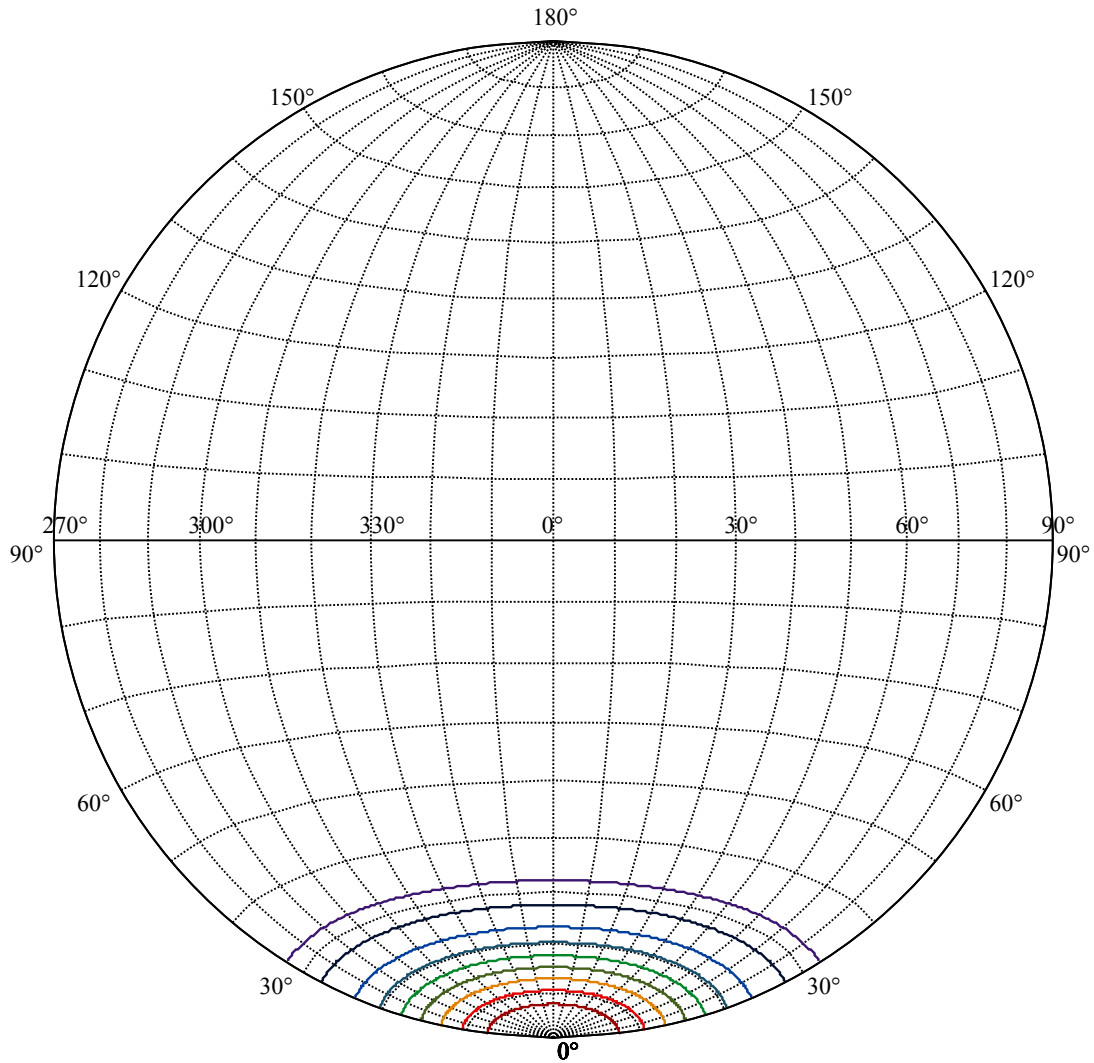
:C90/270Left:17.7 Right:17.7





(10%Imax) 510.761	—
(20%Imax) 1021.52	—
(30%Imax) 1532.28	—
(40%Imax) 2043.04	—
(50%Imax) 2553.81	—
(60%Imax) 3064.57	—
(70%Imax) 3575.33	—
(80%Imax) 4086.09	—
(90%Imax) 4596.85	—





House

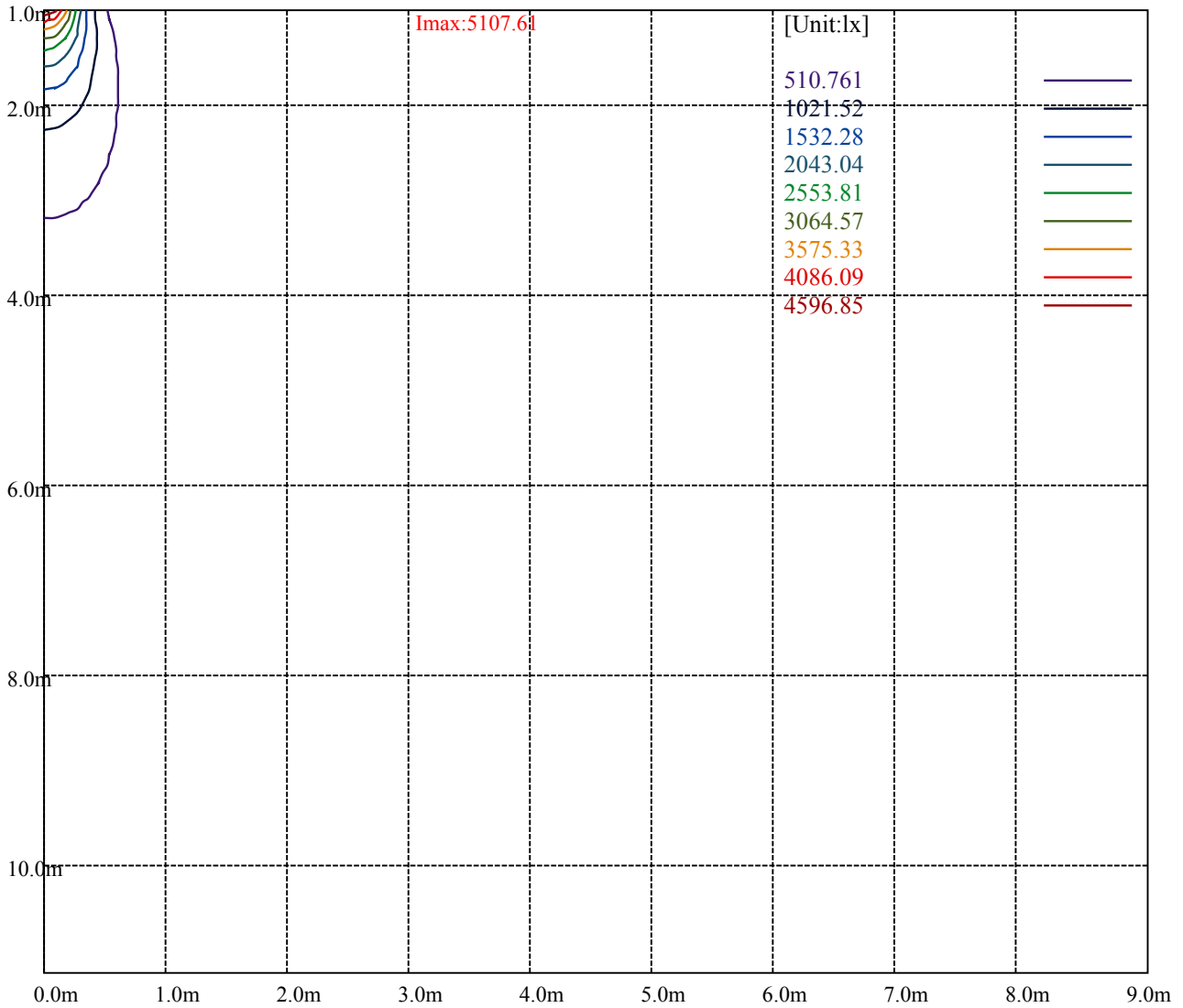
[Unit:cd]

Road

**Imax:5107.61**

(10%Imax)	510.761	—
(20%Imax)	1021.52	—
(30%Imax)	1532.28	—
(40%Imax)	2043.04	—
(50%Imax)	2553.81	—
(60%Imax)	3064.57	—
(70%Imax)	3575.33	—
(80%Imax)	4086.09	—
(90%Imax)	4596.85	—





Luminance Table

$\gamma$	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

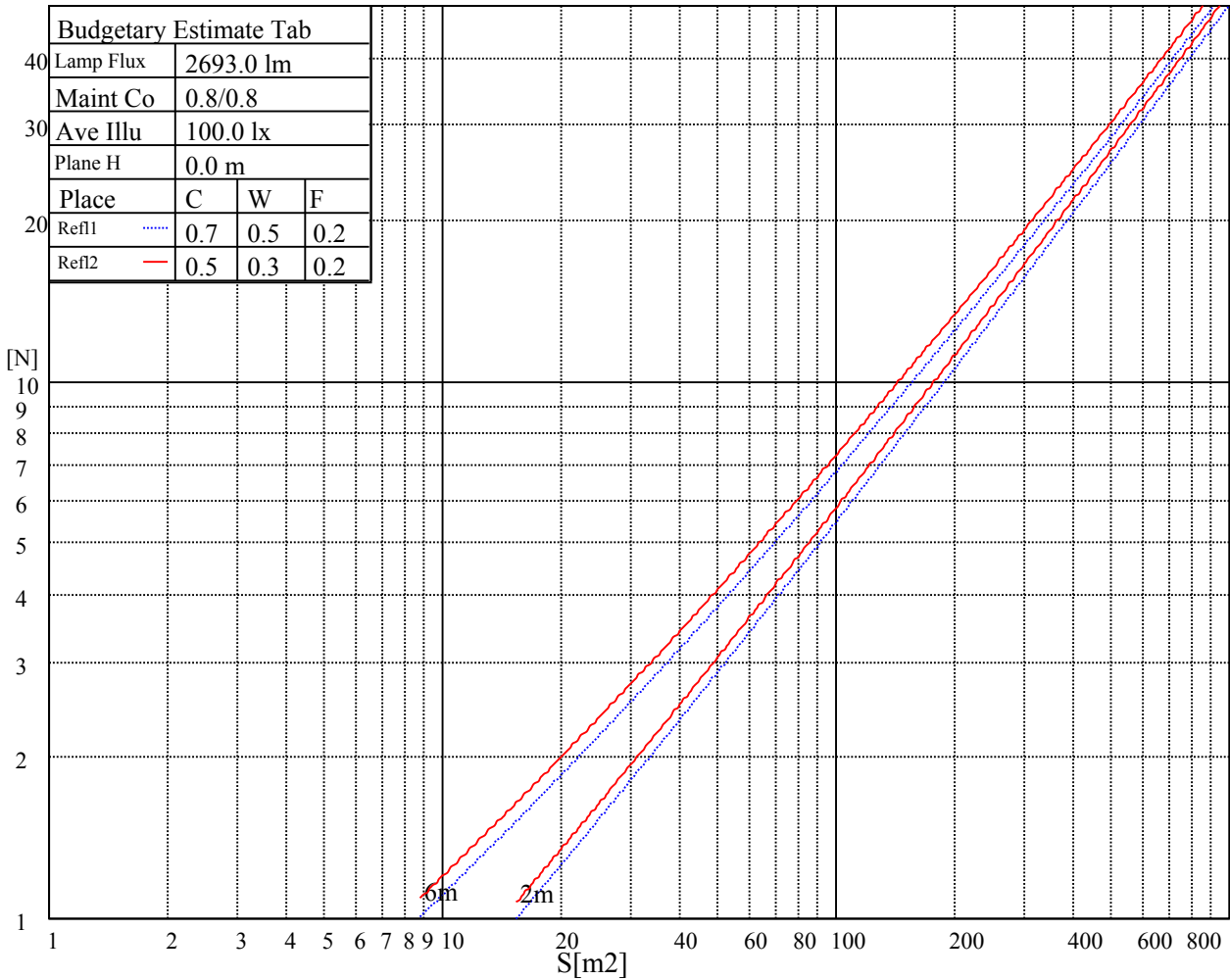
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

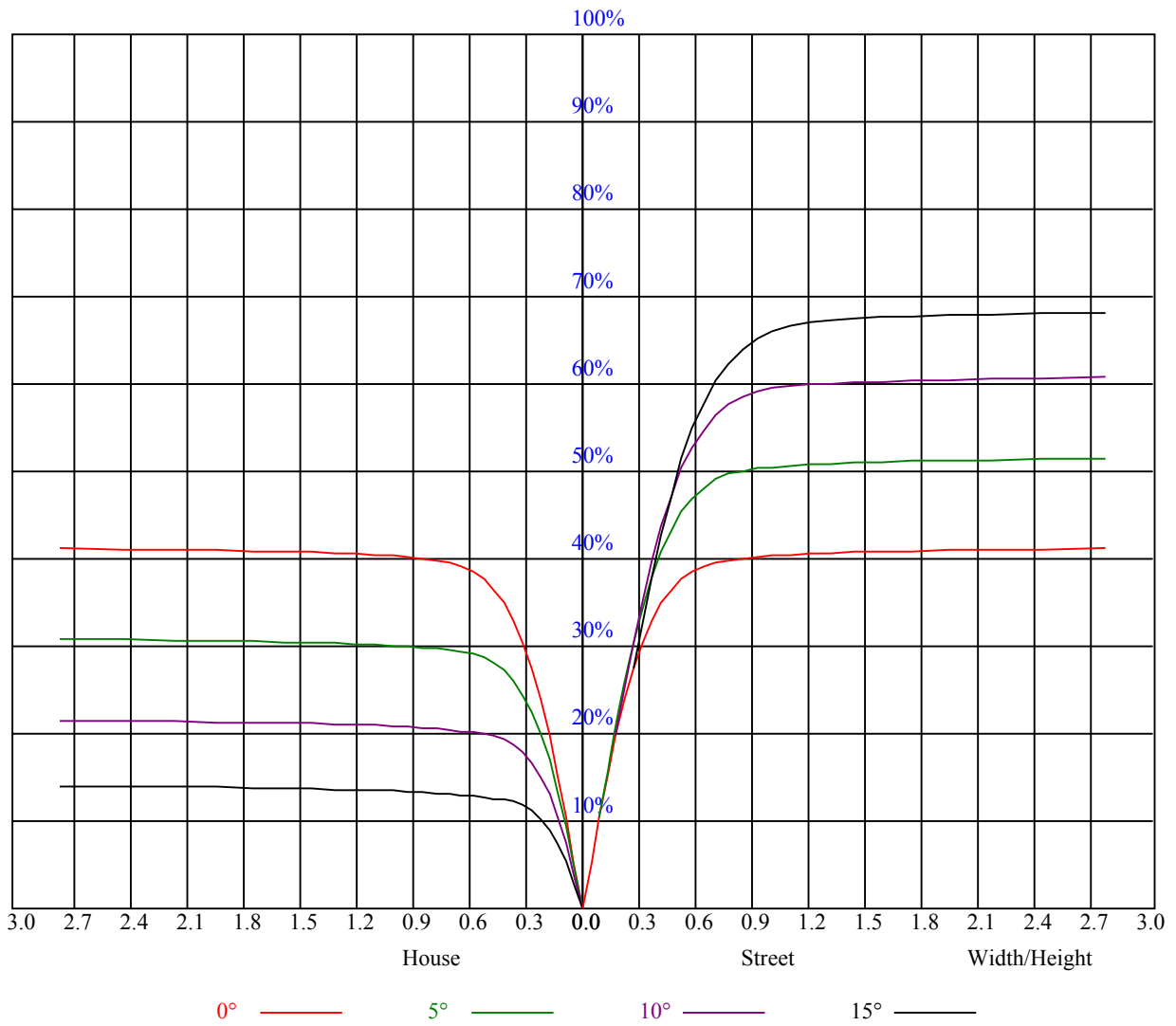


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
4H	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	
	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	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	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				

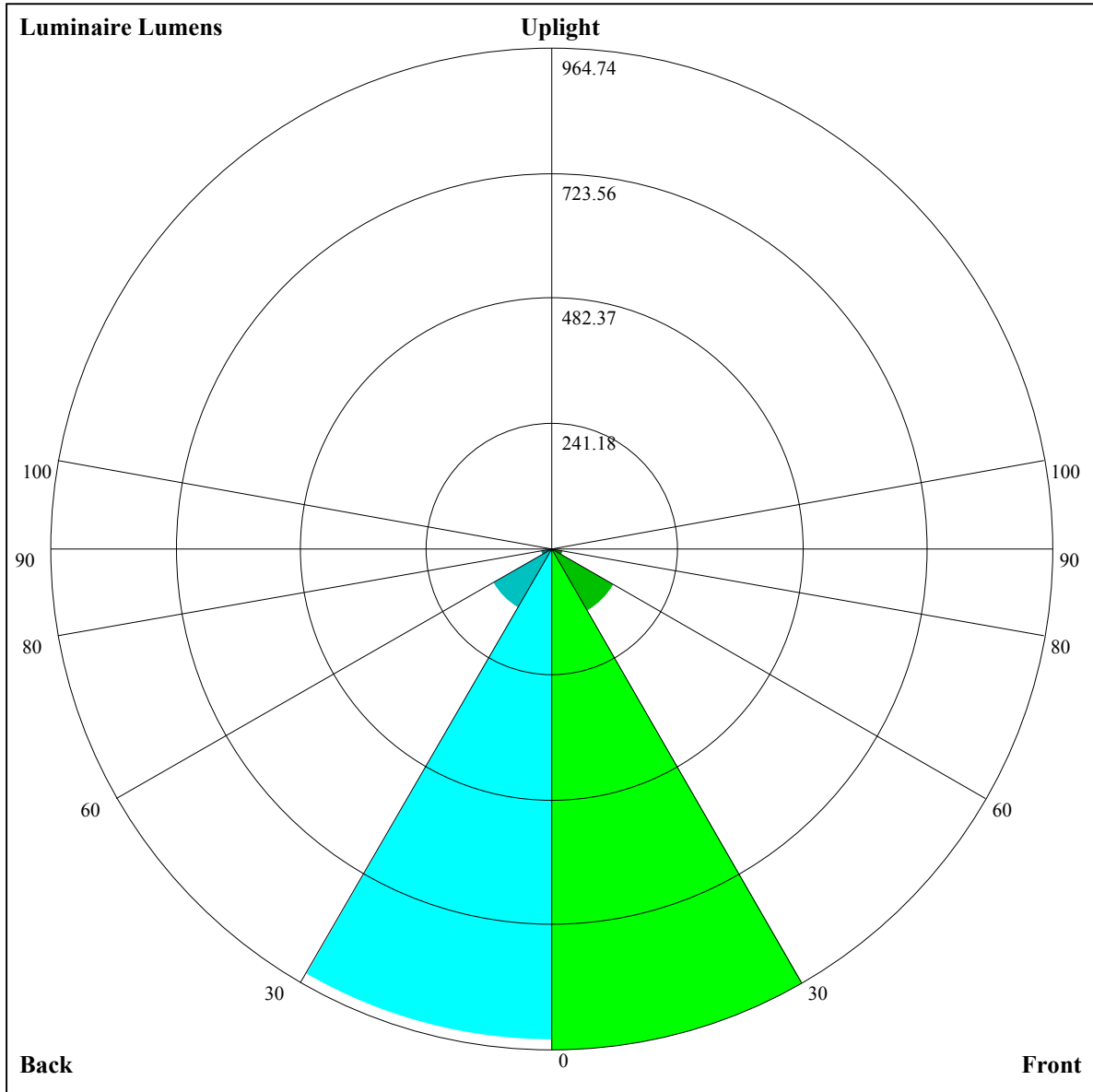
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.78	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	0.62	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=964.74,FM=137.2,FH=21.83,FVH=6.25

BL=946.24,BM=130.75,BH=22.11,BVH=6.14

UL=0,UH=0

BUG Rating:B2-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	5117.27	5110.83	5092.10	5049.97	4993.20	4921.80	4824.65	4709.95	4536.14
45.0	5095.61	5119.61	5128.39	5117.85	5082.15	5038.85	4975.64	4899.56	4775.49
90.0	5113.17	5109.07	5086.25	5056.99	5020.70	4964.52	4867.96	4757.94	4593.49
135.0	5104.39	5107.90	5082.74	5053.48	5013.68	4964.52	4897.81	4781.93	4664.89
180.0	5117.27	5100.88	5062.84	5014.85	4970.37	4897.81	4816.46	4705.27	4573.59
225.0	5095.61	5045.28	5007.24	4949.89	4860.35	4767.30	4608.71	4459.47	4290.93
270.0	5113.17	5099.12	5062.25	5018.95	4964.52	4895.47	4776.08	4654.94	4512.73
315.0	5104.39	5080.98	5051.72	4996.71	4928.82	4847.48	4739.80	4575.35	4420.85
360.0	5117.27	5110.83	5092.10	5049.97	4993.20	4921.80	4824.65	4709.95	4536.14
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4380.47	4210.17	4025.82	3837.96	3592.17	3387.93	3129.84	2920.92	2716.09
45.0	4649.09	4505.12	4299.71	4119.46	3928.67	3688.73	3489.76	3235.77	3033.86
90.0	4444.84	4275.13	4045.13	3850.25	3644.84	3390.27	3186.61	2981.19	2774.61
135.0	4524.43	4361.74	4134.09	3945.06	3745.50	3542.43	3282.00	3075.42	2867.08
180.0	4382.81	4203.14	4021.14	3830.94	3578.12	3372.12	3167.88	2916.23	2714.33
225.0	4115.36	3881.27	3685.81	3487.41	3287.85	3039.13	2843.08	2648.79	2408.26
270.0	4313.75	4138.18	3946.82	3699.85	3499.70	3299.56	3102.92	2858.88	2662.83
315.0	4247.04	4068.54	3832.70	3640.74	3397.87	3198.90	2995.24	2745.93	2551.64
360.0	4380.47	4210.17	4025.82	3837.96	3592.17	3387.93	3129.84	2920.92	2716.09
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2474.39	2287.70	2108.62	1902.04	1749.88	1607.09	1469.56	1160.09	1160.09
45.0	2831.96	2634.74	2396.55	2213.96	2035.47	1873.36	1682.58	1540.37	1402.84
90.0	2525.30	2333.94	2150.76	1980.46	1781.48	1634.59	1503.50	1164.13	1164.13
135.0	2611.92	2417.62	2237.37	2019.67	1858.73	1707.75	1536.27	1409.28	1277.60
180.0	2463.27	2268.39	2093.99	1928.96	1742.86	1603.58	1464.29	1338.47	1189.82
225.0	2224.50	2050.69	1844.69	1693.70	1556.17	1298.09	1147.98	1147.98	1052.70
270.0	2474.39	2276.00	2058.29	1892.68	1741.10	1560.85	1431.52	1277.02	1156.46
315.0	2360.86	2132.62	1962.32	1804.89	1658.59	1487.70	1153.30	1153.30	1129.48
360.0	2474.39	2287.70	2108.62	1902.04	1749.88	1607.09	1469.56	1160.09	1160.09
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1086.76	992.72	866.89	751.66	644.68	523.43	432.19	343.94	239.77
45.0	1240.15	1127.79	1036.49	907.16	808.25	671.90	572.41	475.26	382.21
90.0	1111.52	997.63	903.24	795.79	665.93	561.52	462.97	367.40	258.79
135.0	1167.00	1042.93	951.05	843.37	737.44	608.69	509.79	414.98	306.72
180.0	1087.99	1005.48	880.82	766.12	657.27	527.35	433.71	346.51	305.55
225.0	946.25	835.64	731.12	595.58	492.64	397.08	309.41	234.15	153.15
270.0	1061.66	972.12	850.39	734.52	627.42	500.43	405.62	320.18	296.18
315.0	1023.56	927.93	822.12	682.31	582.30	480.53	361.55	276.17	202.25
360.0	1086.76	992.72	866.89	751.66	644.68	523.43	432.19	343.94	239.77
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	169.95	120.26	94.46	86.09	79.30	73.33	67.36	63.38	59.75
45.0	295.60	295.60	135.36	99.31	87.14	78.01	72.22	67.24	63.20
90.0	184.87	129.10	97.79	84.68	77.48	71.75	65.90	61.98	57.82
135.0	306.72	212.90	103.06	88.13	78.42	72.33	67.30	63.09	58.70
180.0	305.55	115.93	89.42	79.12	72.80	67.65	62.44	58.87	55.65
225.0	105.69	81.29	74.73	69.23	63.67	59.93	56.71	53.20	50.62
270.0	296.18	106.63	87.02	79.77	72.16	67.24	63.03	58.64	55.42
315.0	128.93	97.26	86.96	79.53	72.22	67.42	63.15	59.52	55.60
360.0	169.95	120.26	94.46	86.09	79.30	73.33	67.36	63.38	59.75

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	56.47	52.85	50.33	48.11	45.76	43.95	42.19	40.79	39.44
45.0	58.93	55.71	52.26	49.86	47.58	45.12	43.42	41.96	40.61
90.0	54.84	52.14	49.74	47.11	45.35	43.60	42.08	40.38	39.03
135.0	55.65	52.79	50.39	47.64	45.88	44.07	42.49	40.85	39.44
180.0	52.79	50.21	47.52	45.53	43.66	42.14	40.73	39.27	38.04
225.0	48.46	46.64	44.95	43.19	41.90	40.79	39.39	38.16	36.75
270.0	51.97	49.63	47.58	45.76	43.89	42.43	41.20	39.97	38.39
315.0	52.61	50.21	47.58	45.76	43.60	42.14	40.79	39.39	37.86
360.0	56.47	52.85	50.33	48.11	45.76	43.95	42.19	40.79	39.44
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.86	36.58	35.00	33.59	31.95	29.96	28.68	27.15	25.75
45.0	38.80	37.63	36.46	35.11	33.18	31.84	30.31	28.62	27.27
90.0	37.69	36.05	34.70	33.30	31.37	29.90	28.62	26.92	25.57
135.0	37.81	36.69	35.35	33.53	32.25	30.61	29.14	27.56	26.04
180.0	36.81	35.29	33.88	32.54	31.13	29.20	27.97	26.63	25.46
225.0	35.58	34.12	32.48	31.08	29.55	28.50	26.86	25.63	24.58
270.0	37.16	35.99	34.29	32.95	31.43	29.73	28.50	27.04	25.57
315.0	36.64	35.11	33.77	32.07	30.37	29.03	27.68	25.87	24.64
360.0	37.86	36.58	35.00	33.59	31.95	29.96	28.68	27.15	25.75
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.40	23.23	21.89	21.01	20.25	19.14	18.79	18.73	18.90
45.0	25.87	24.46	23.41	22.06	21.36	20.78	20.25	19.66	19.66
90.0	24.52	23.29	22.47	22.06	21.95	22.12	22.77	23.53	23.58
135.0	24.99	23.88	22.47	21.42	20.66	19.66	18.79	18.14	17.32
180.0	24.11	23.06	21.89	20.89	20.13	19.25	19.02	19.20	19.78
225.0	23.53	22.41	21.89	21.48	20.89	20.78	20.95	21.59	22.00
270.0	24.87	24.23	23.82	23.82	24.40	25.16	26.22	27.10	26.98
315.0	23.29	22.12	21.30	20.25	19.25	18.49	17.73	17.09	16.33
360.0	24.40	23.23	21.89	21.01	20.25	19.14	18.79	18.73	18.90
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.79	18.61	18.26	17.97	17.85	17.44	17.09	16.50	15.74
45.0	19.84	20.25	20.31	20.25	20.37	19.90	19.55	18.84	17.91
90.0	22.71	22.24	22.24	21.36	20.01	19.84	18.49	17.97	16.85
135.0	16.62	15.86	15.33	14.81	14.34	13.81	13.46	13.11	12.76
180.0	19.84	19.61	19.43	19.31	18.96	18.55	17.97	17.73	16.50
225.0	22.24	22.65	22.53	22.06	21.36	20.01	18.90	17.26	15.33
270.0	26.22	26.16	25.98	24.29	23.41	22.82	21.19	20.13	18.79
315.0	15.74	15.10	14.63	14.10	13.75	13.28	12.87	12.47	12.17
360.0	18.79	18.61	18.26	17.97	17.85	17.44	17.09	16.50	15.74
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.22	12.64	11.29	10.94	10.71	10.30	9.95	9.66	9.66
45.0	16.74	15.04	12.93	11.94	11.12	10.71	10.30	9.95	9.71
90.0	15.57	12.87	11.82	11.12	10.77	10.18	9.95	9.71	10.07
135.0	12.41	11.94	11.59	11.29	10.83	10.24	10.01	9.77	10.01
180.0	15.22	12.82	11.12	10.83	10.42	10.01	9.71	9.66	9.42
225.0	12.82	11.82	11.12	10.65	10.12	9.77	9.66	9.42	9.66
270.0	16.74	12.87	11.53	11.00	10.65	10.18	9.77	9.66	9.48
315.0	11.88	11.47	11.12	10.77	10.42	10.07	9.71	9.83	9.48
360.0	14.22	12.64	11.29	10.94	10.71	10.30	9.95	9.66	9.66

Intensity data(cd)

C/γ(°)	90.0
0.0	9.48
45.0	9.77
90.0	9.48
135.0	9.54
180.0	9.54
225.0	9.48
270.0	9.60
315.0	9.54
360.0	9.48