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NT

Client:

LumCAT: 2-2686-L

Luminaire: 92.70.412.00

Report No: 2024326-B021

Ballast type: AC

Test No: 2024326-C021

Voltage(V): 34.430

LampCAT: Fortimo_SLM_C_1210

Current(A): 0.720

Lamp flux(lm): 4230.0

Power (W): 24.789

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3570.14, Efficiency(%): 84.40% , Luminous Efficacy(lm/W): 144.02

Central intensity(cd): 19106.720, Maximum intensity(cd): 19106.720

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.6

[C90/270]Total=18.6

Field angle(10%Imax): [C0/180]Total=46.4

[C90/270]Total=46.4

Maximum s/h(1/2): C0_180=0.32 C90_270=0.32

Maximum s/h(1/4): C0_180=0.33 C90_270=0.33

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.40%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.175%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/26
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	19106.719	0.000	0	0.00%	0.00%
1.0	18920.178	18.195	18.195	0.43%	0.51%
2.0	18454.924	53.644	71.839	1.27%	2.01%
3.0	17754.850	86.602	158.441	2.05%	4.44%
4.0	16819.951	115.733	274.174	2.74%	7.68%
5.0	15253.458	137.978	412.152	3.26%	11.54%
6.0	13537.081	151.302	563.454	3.58%	15.78%
7.0	12448.862	161.294	724.749	3.81%	20.30%
8.0	11336.203	170.225	894.974	4.02%	25.07%
9.0	9897.062	172.084	1067.058	4.07%	29.89%
10.0	8545.192	166.896	1233.954	3.95%	34.56%
11.0	7339.629	158.722	1392.676	3.75%	39.01%
12.0	6277.665	148.857	1541.532	3.52%	43.18%
13.0	5350.229	137.994	1679.526	3.26%	47.04%
14.0	4635.962	127.822	1807.348	3.02%	50.62%
15.0	4102.457	119.965	1927.313	2.84%	53.98%
16.0	3662.660	113.781	2041.094	2.69%	57.17%
17.0	3272.242	107.995	2149.089	2.55%	60.20%
18.0	2994.626	103.327	2252.416	2.44%	63.09%
19.0	2811.231	101.010	2353.426	2.39%	65.92%
20.0	2567.133	98.439	2451.865	2.33%	68.68%
21.0	2335.538	94.141	2546.006	2.23%	71.31%
22.0	2089.678	88.927	2634.933	2.10%	73.80%
23.0	1933.861	84.425	2719.357	2.00%	76.17%
24.0	1779.362	81.184	2800.542	1.92%	78.44%
25.0	1614.767	77.175	2877.717	1.82%	80.61%
26.0	1427.437	71.812	2949.529	1.70%	82.62%
27.0	1269.587	65.983	3015.512	1.56%	84.46%
28.0	1178.541	61.981	3077.493	1.47%	86.20%
29.0	1039.681	58.035	3135.528	1.37%	87.83%
30.0	884.824	51.961	3187.489	1.23%	89.28%
31.0	757.106	45.693	3233.182	1.08%	90.56%
32.0	644.377	40.151	3273.333	0.95%	91.69%
33.0	535.803	34.769	3308.101	0.82%	92.66%
34.0	438.326	29.480	3337.581	0.70%	93.49%
35.0	358.575	24.749	3362.33	0.59%	94.18%
36.0	297.923	20.903	3383.233	0.49%	94.76%
37.0	256.928	18.096	3401.329	0.43%	95.27%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	200.798	15.278	3416.608	0.36%	95.70%
39.0	147.221	11.879	3428.486	0.28%	96.03%
40.0	112.861	9.071	3437.557	0.21%	96.29%
41.0	90.205	7.231	3444.788	0.17%	96.49%
42.0	72.626	5.916	3450.704	0.14%	96.65%
43.0	60.556	4.933	3455.638	0.12%	96.79%
44.0	53.029	4.287	3459.925	0.10%	96.91%
45.0	47.498	3.863	3463.788	0.09%	97.02%
46.0	42.977	3.538	3467.326	0.08%	97.12%
47.0	39.444	3.278	3470.604	0.08%	97.21%
48.0	36.752	3.080	3473.685	0.07%	97.30%
49.0	34.477	2.925	3476.61	0.07%	97.38%
50.0	32.473	2.791	3479.401	0.07%	97.46%
51.0	30.936	2.683	3482.084	0.06%	97.53%
52.0	29.737	2.604	3484.687	0.06%	97.61%
53.0	28.815	2.547	3487.234	0.06%	97.68%
54.0	28.157	2.511	3489.745	0.06%	97.75%
55.0	27.667	2.492	3492.237	0.06%	97.82%
56.0	27.440	2.490	3494.727	0.06%	97.89%
57.0	27.352	2.505	3497.233	0.06%	97.96%
58.0	27.447	2.534	3499.767	0.06%	98.03%
59.0	27.681	2.577	3502.344	0.06%	98.10%
60.0	27.952	2.628	3504.972	0.06%	98.17%
61.0	28.171	2.678	3507.651	0.06%	98.25%
62.0	28.252	2.719	3510.369	0.06%	98.33%
63.0	28.018	2.737	3513.106	0.06%	98.40%
64.0	27.469	2.723	3515.829	0.06%	98.48%
65.0	26.657	2.679	3518.507	0.06%	98.55%
66.0	25.567	2.606	3521.113	0.06%	98.63%
67.0	24.353	2.510	3523.623	0.06%	98.70%
68.0	23.285	2.413	3526.036	0.06%	98.76%
69.0	22.546	2.338	3528.374	0.06%	98.83%
70.0	22.092	2.293	3530.667	0.05%	98.89%
71.0	21.873	2.272	3532.939	0.05%	98.96%
72.0	21.544	2.258	3535.197	0.05%	99.02%
73.0	21.229	2.237	3537.433	0.05%	99.08%
74.0	20.973	2.219	3539.652	0.05%	99.15%
75.0	20.651	2.199	3541.851	0.05%	99.21%

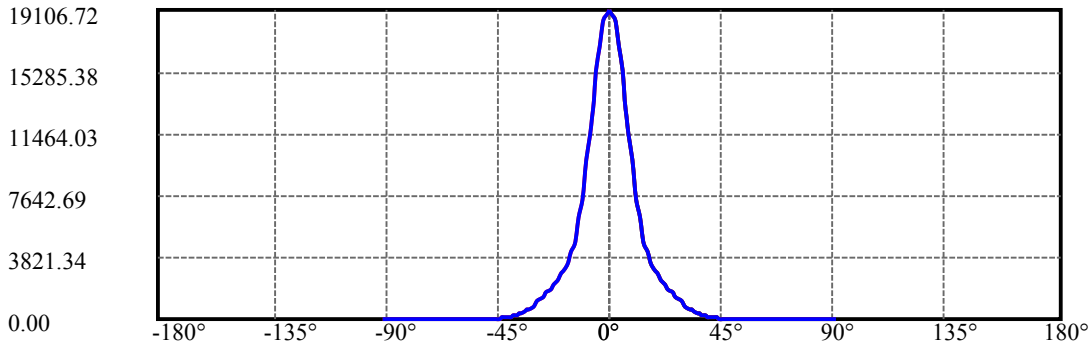
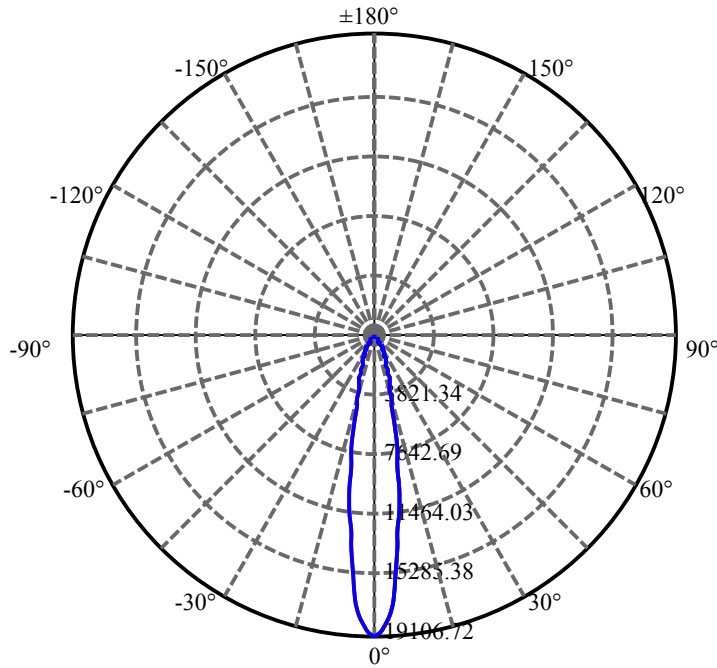
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.278	2.173	3544.024	0.05%	99.27%
77.0	19.890	2.142	3546.166	0.05%	99.33%
78.0	19.444	2.106	3548.271	0.05%	99.39%
79.0	18.895	2.060	3550.331	0.05%	99.45%
80.0	18.376	2.009	3552.341	0.05%	99.50%
81.0	17.820	1.957	3554.298	0.05%	99.56%
82.0	17.213	1.900	3556.198	0.04%	99.61%
83.0	16.759	1.847	3558.045	0.04%	99.66%
84.0	16.416	1.807	3559.852	0.04%	99.71%
85.0	16.145	1.777	3561.629	0.04%	99.76%
86.0	15.808	1.747	3563.376	0.04%	99.81%
87.0	15.589	1.718	3565.094	0.04%	99.86%
88.0	15.377	1.696	3566.79	0.04%	99.91%
89.0	15.267	1.680	3568.47	0.04%	99.95%
90.0	15.143	1.667	3570.137	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3187.49	75.35%	89.28%
0-40	3437.56	81.27%	96.29%
0-60	3504.97	82.86%	98.17%
0-90	3568.47	84.36%	99.95%
0-120	3568.47	84.36%	99.95%
0-180	3570.14	84.40%	100.00%
60-90	63.50	1.50%	1.78%
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%
0-24.72	2856.11	67.52%	80.00%

ZONAL LUMEN SUMMARY

0-10	1233.95
10-20	1217.91
20-30	735.62
30-40	250.07
40-50	41.84
50-60	25.57
60-70	25.69
70-80	21.67
80-90	16.13
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



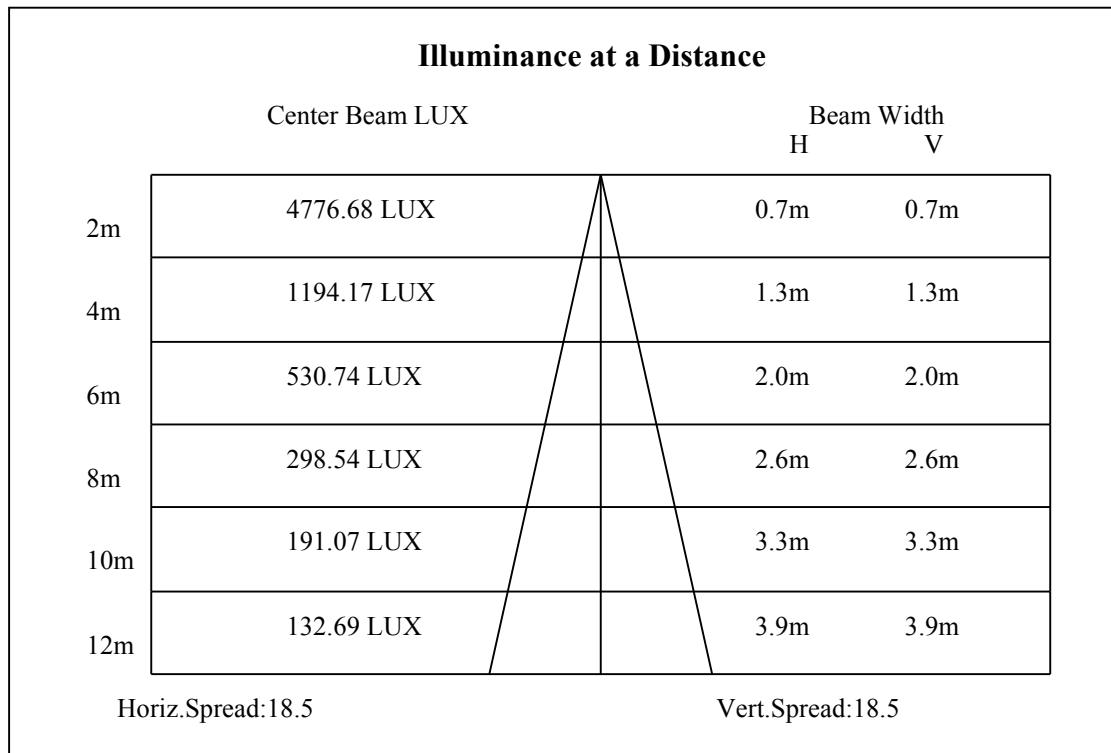
C0(Max): ———

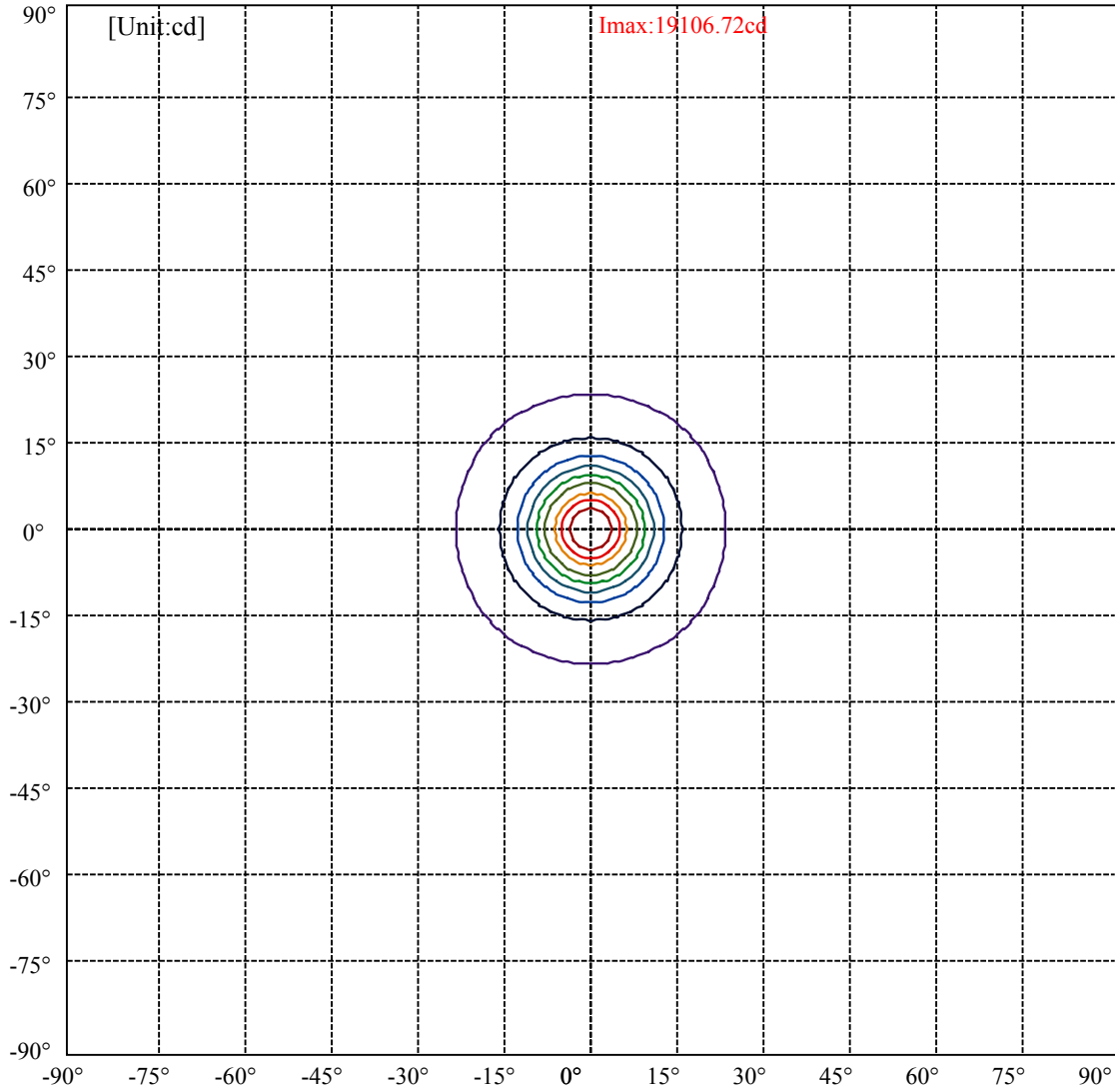
C0/C180: ———

C90/C270: ———

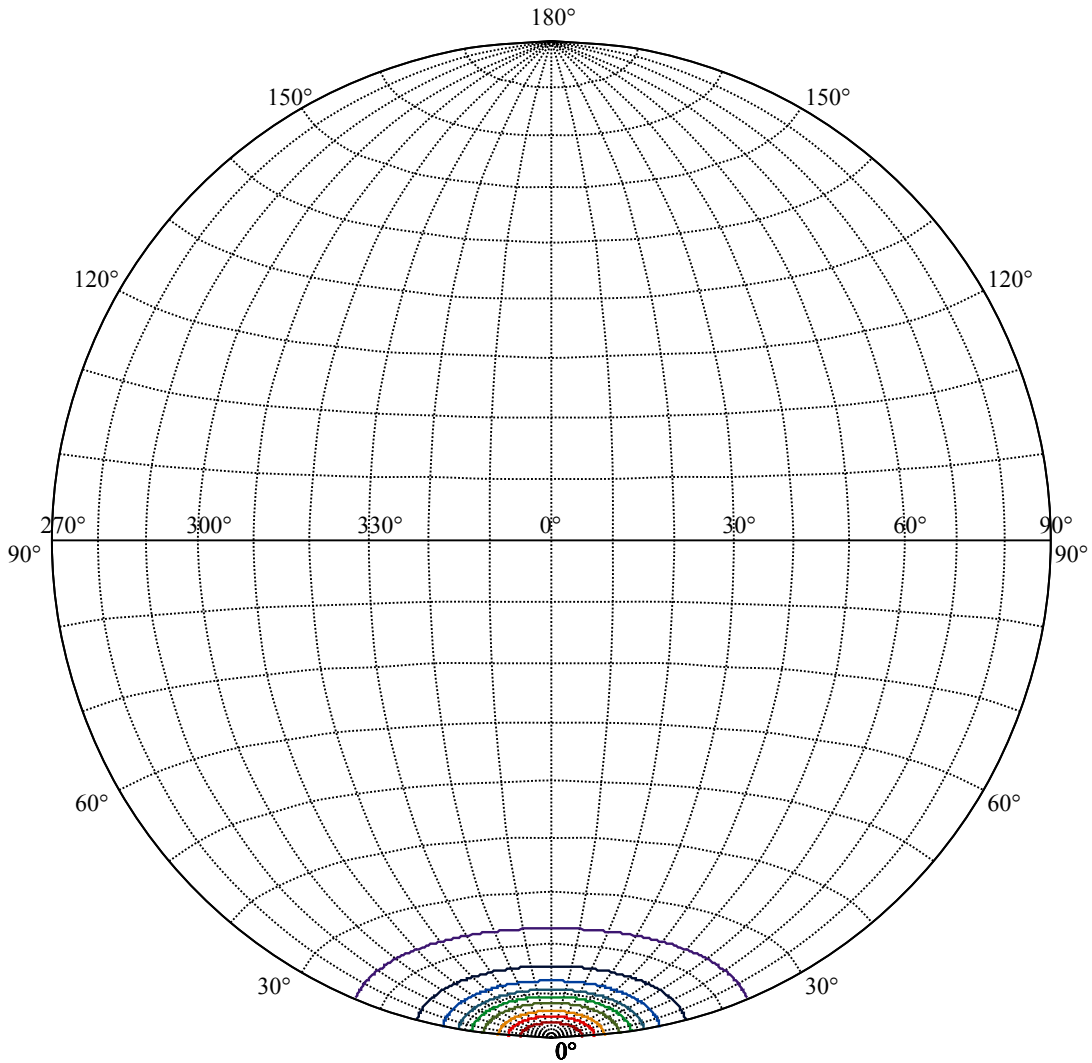
Field angle(10%Imax):C0/180Left:23.2 Right:23.2
:C90/270Left:23.2 Right:23.2

Beam Angle(50%Imax):C0/180Left:9.3 Right:9.3
:C90/270Left:9.3 Right:9.3





(10%Imax) 1910.67	—
(20%Imax) 3821.34	—
(30%Imax) 5732.02	—
(40%Imax) 7642.69	—
(50%Imax) 9553.36	—
(60%Imax) 11464	—
(70%Imax) 13374.7	—
(80%Imax) 15285.4	—
(90%Imax) 17196	—



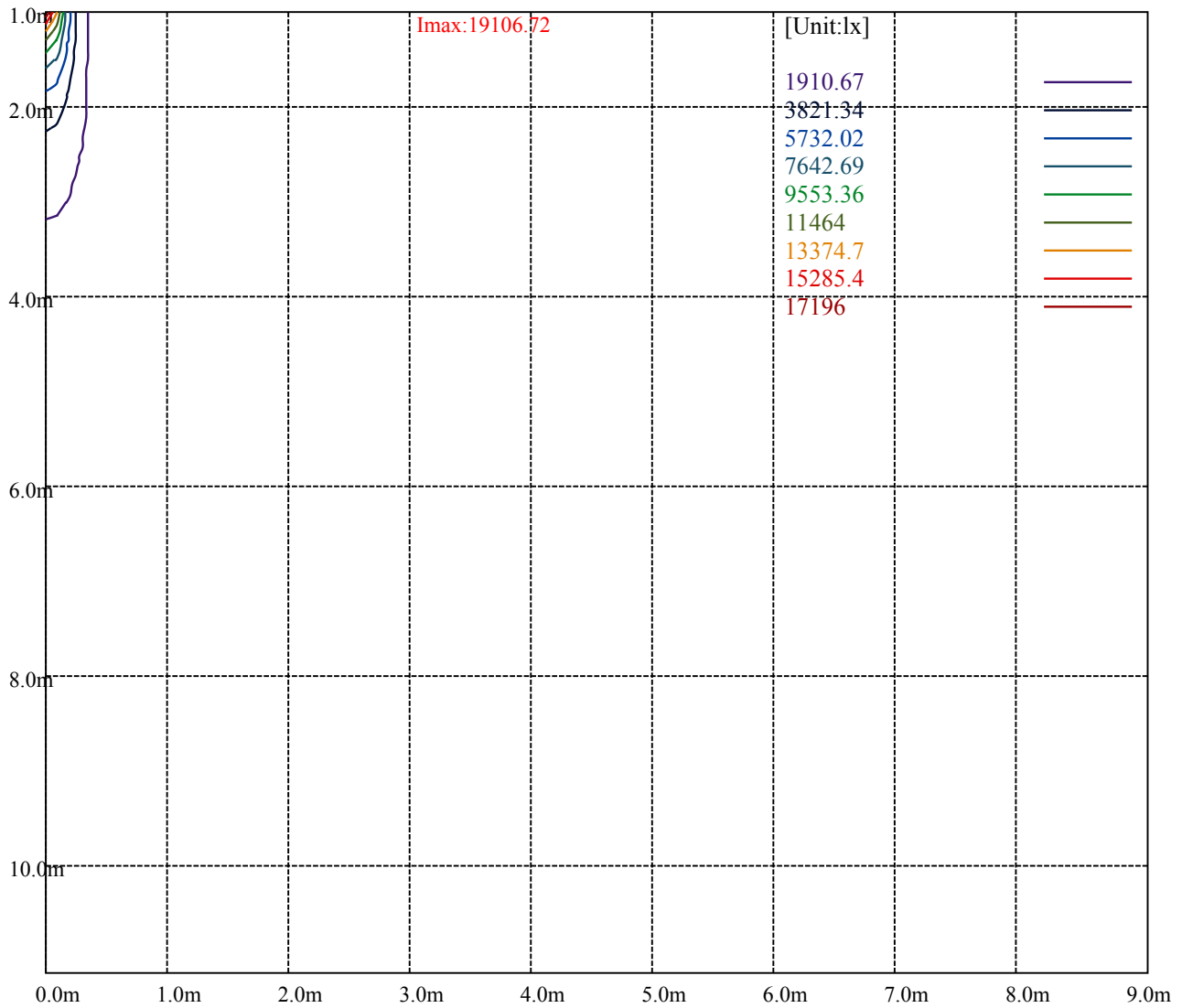
House

[Unit:cd]

Road

I_{max}:19106.72

(10%I _{max})	1910.67	—
(20%I _{max})	3821.34	—
(30%I _{max})	5732.02	—
(40%I _{max})	7642.69	—
(50%I _{max})	9553.36	—
(60%I _{max})	11464	—
(70%I _{max})	13374.7	—
(80%I _{max})	15285.4	—
(90%I _{max})	17196	—



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

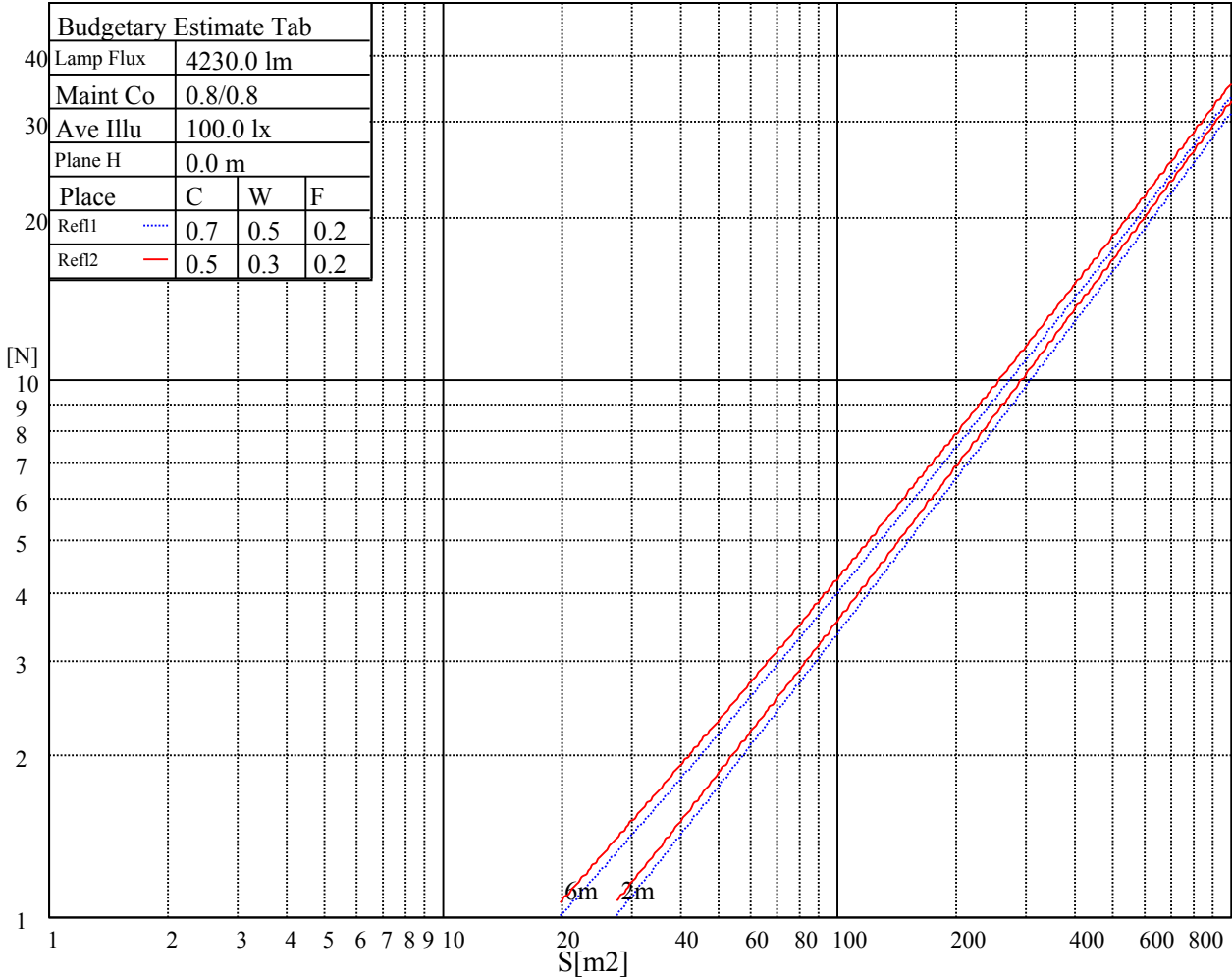
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

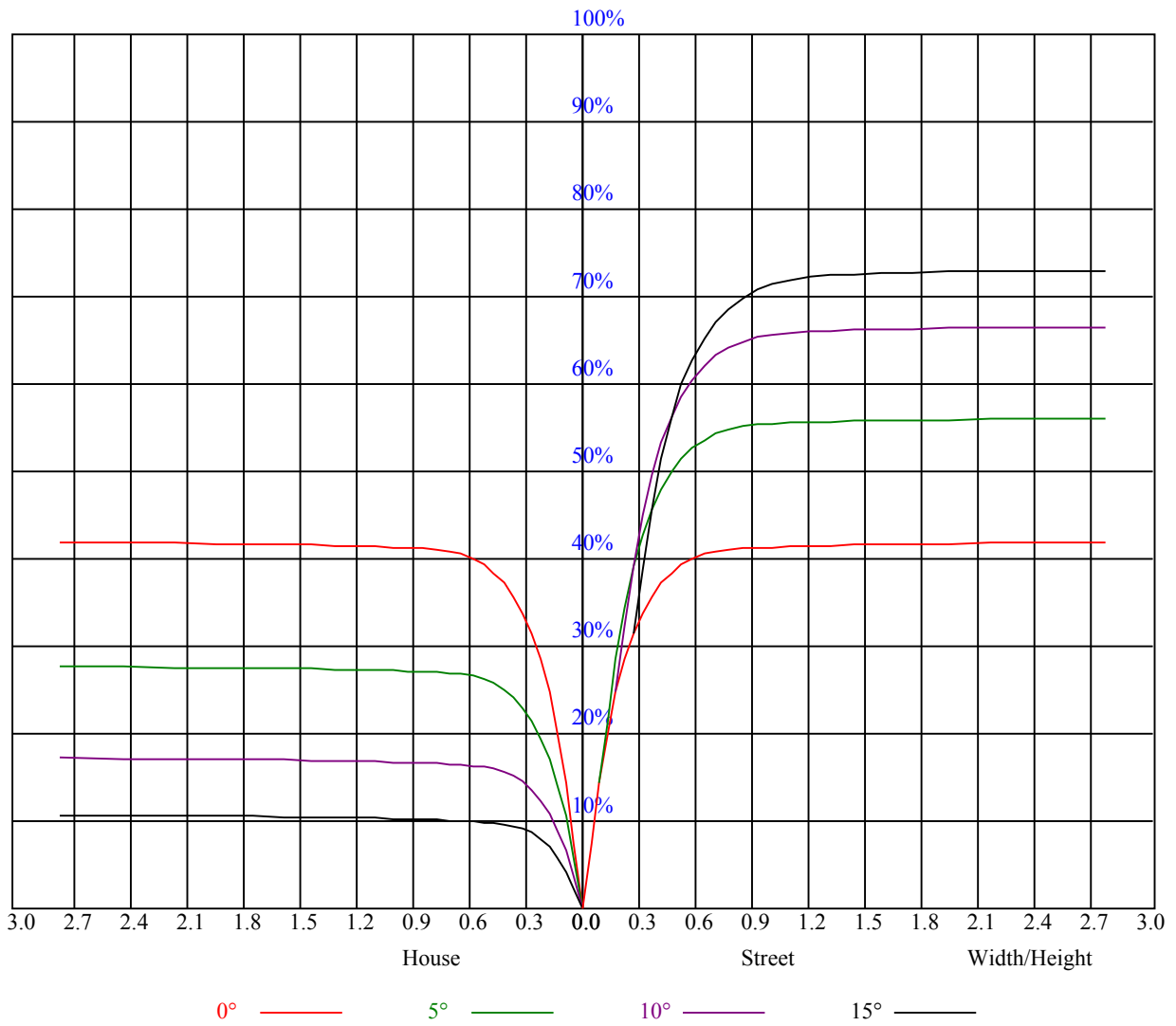


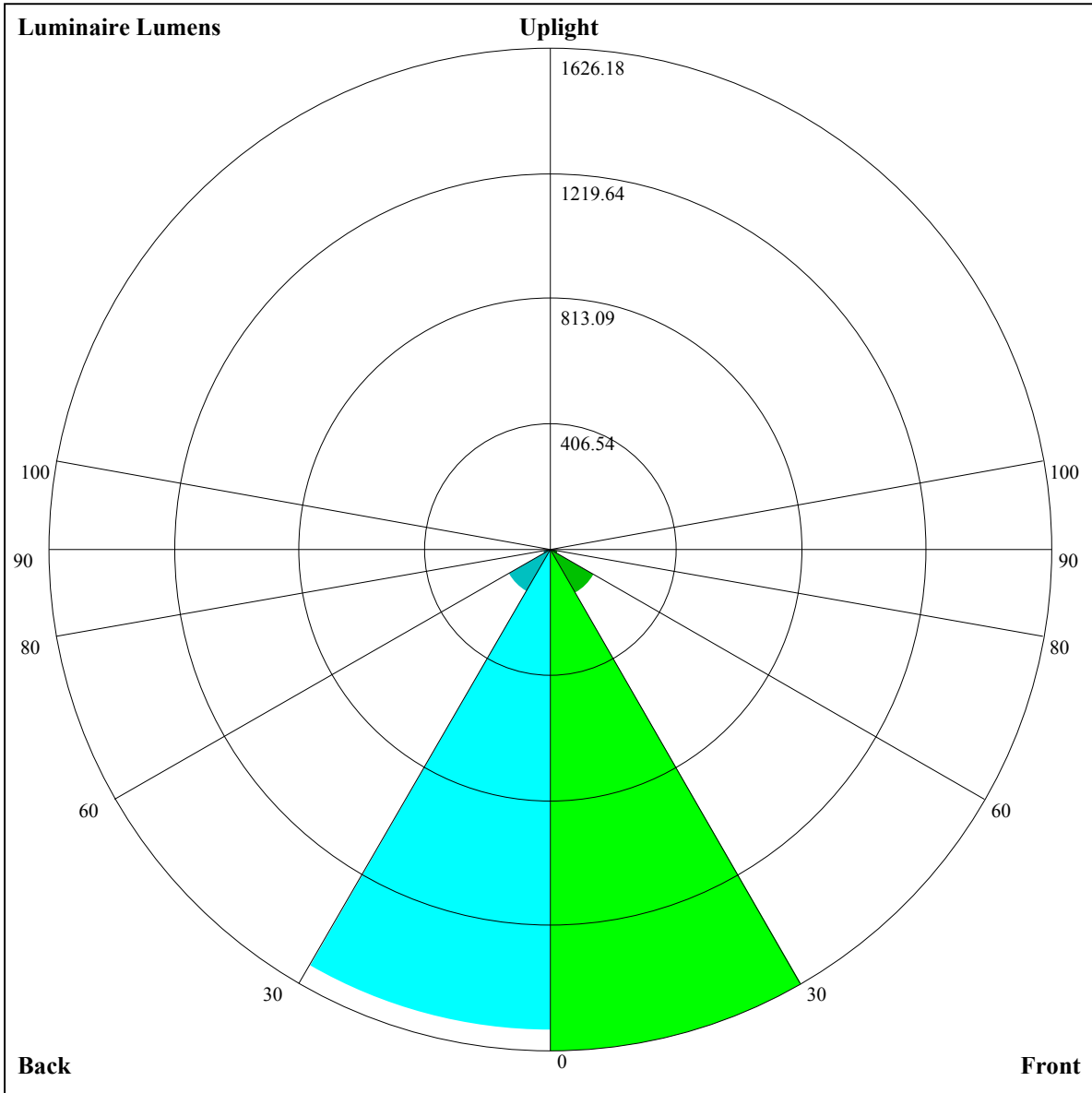
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
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	1.00	1.00	1.00	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.95	0.93	0.91	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.80
2	0.90	0.87	0.84	0.88	0.86	0.84	0.86	0.83	0.82	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.82	0.79	0.84	0.81	0.79	0.82	0.80	0.77	0.80	0.78	0.76	0.78	0.77	0.75	0.74
4	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.74	0.71	0.70	0.69
6	0.75	0.71	0.69	0.75	0.71	0.68	0.73	0.70	0.68	0.72	0.70	0.68	0.71	0.69	0.67	0.66
7	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.64
8	0.70	0.66	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.63	0.62
9	0.68	0.64	0.62	0.67	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.63	0.61	0.60
10	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58





Luminaire Lumens:

FL=1626.18,FM=164.47,FH=23.78,FVH=8.95

BL=1561.29,BM=155.83,BH=23.74,BVH=8.89

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	19216.45	19081.85	18678.04	18051.85	17226.68	15886.52	14680.95	11568.79	11568.79
45.0	18941.39	19175.48	19140.37	18707.30	18098.67	17021.85	15945.04	14733.62	13077.44
90.0	19146.22	18947.24	18332.76	17624.64	16694.13	15295.44	11654.23	11654.23	11306.61
135.0	19122.81	19058.44	18724.86	18139.63	17133.05	16120.61	14938.45	13639.25	11947.95
180.0	19216.45	18976.51	18461.51	17759.24	16612.20	15500.27	13920.16	12562.44	11175.46
225.0	18941.39	18268.38	17507.59	16559.53	15435.89	11348.74	11348.74	10998.78	9625.25
270.0	19146.22	19052.59	18531.73	17882.14	17021.85	15687.54	14452.72	13077.44	11345.17
315.0	19122.81	18800.94	18262.53	17314.47	16337.14	15166.69	11356.35	11356.35	10642.96
360.0	19216.45	19081.85	18678.04	18051.85	17226.68	15886.52	14680.95	11568.79	11568.79
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	10182.39	8855.68	7337.02	6310.54	5459.04	4623.34	4101.32	3682.88	3270.88
45.0	11702.16	10338.58	9010.12	7781.15	6458.54	5598.26	4895.99	4322.47	3772.36
90.0	9621.16	8350.05	7191.89	6200.52	5209.73	4583.54	4074.98	3577.54	3255.67
135.0	10596.08	9291.03	8056.21	6692.63	5797.24	4895.99	4316.62	3860.14	3397.82
180.0	9507.57	8249.33	7102.29	6113.26	5135.93	4515.60	4018.15	3620.20	3216.40
225.0	8333.66	6906.30	5952.38	5014.85	4419.68	3945.06	3475.12	3168.47	2904.53
270.0	9964.04	8670.69	7453.43	6394.17	5340.76	4667.75	4129.35	3620.20	3280.77
315.0	9269.44	7699.86	6613.69	5714.20	4980.91	4258.16	3808.12	3449.37	3079.51
360.0	10182.39	8855.68	7337.02	6310.54	5459.04	4623.34	4101.32	3682.88	3270.88
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3001.09	2754.13	2527.65	2324.57	2099.85	1943.01	1797.87	1625.23	1490.04
45.0	3421.23	3070.09	3005.72	3005.72	2349.15	2169.49	2007.38	1822.45	1680.24
90.0	2990.56	2693.85	2479.07	2285.36	2070.58	1917.26	1773.88	1636.35	1467.80
135.0	3105.20	2976.45	2976.45	2379.00	2198.16	2038.40	1858.73	1720.62	1581.34
180.0	2999.86	2999.86	2484.34	2229.18	2054.78	1915.50	1732.32	1602.40	1430.35
225.0	2610.75	2399.48	2213.38	2047.18	1863.41	1724.72	1586.60	1344.32	1164.66
270.0	2999.86	2999.86	2504.82	2249.66	2074.68	1932.47	1781.48	1610.01	1470.14
315.0	2828.45	2596.12	2345.64	2163.64	2006.80	1830.06	1696.63	1556.76	1134.93
360.0	3001.09	2754.13	2527.65	2324.57	2099.85	1943.01	1797.87	1625.23	1490.04
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1143.24	1143.24	1039.89	907.57	761.85	657.91	533.61	443.89	365.36
45.0	1539.20	1398.75	1224.35	1082.72	945.20	822.30	684.77	582.36	487.55
90.0	1154.06	1154.06	1050.71	883.81	765.01	658.38	533.49	443.66	365.06
135.0	1440.30	1298.67	1121.35	982.07	824.06	713.45	610.45	491.65	408.55
180.0	1289.31	1158.22	1021.28	848.05	726.91	630.35	532.03	414.40	344.76
225.0	1129.48	988.50	853.32	704.26	596.99	476.55	393.62	323.34	251.71
270.0	1326.18	1188.65	1050.54	874.38	752.66	615.72	513.30	425.52	333.05
315.0	1134.93	1098.23	956.02	795.73	684.19	580.37	485.15	381.80	312.57
360.0	1143.24	1143.24	1039.89	907.57	761.85	657.91	533.61	443.89	365.36
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	299.11	243.75	185.81	147.59	117.81	94.57	73.56	62.03	54.25
45.0	403.86	315.49	300.28	231.92	152.80	122.02	92.88	75.90	63.79
90.0	283.60	230.05	184.40	138.05	110.26	88.78	73.09	59.81	52.79
135.0	335.98	304.38	304.38	165.27	131.62	99.72	81.17	67.42	57.94
180.0	299.69	299.69	175.33	142.91	108.56	87.37	71.46	58.00	50.62
225.0	205.30	166.44	134.31	102.00	82.52	68.24	58.52	50.56	46.00
270.0	301.45	301.45	166.79	133.84	107.04	86.09	67.89	58.41	51.85
315.0	254.40	194.18	155.08	116.17	92.29	74.85	62.44	52.32	46.99
360.0	299.11	243.75	185.81	147.59	117.81	94.57	73.56	62.03	54.25

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	47.58	43.60	39.56	36.93	34.76	32.54	31.02	29.90	29.03
45.0	55.48	48.40	44.30	40.85	37.98	35.00	33.12	31.66	30.14
90.0	47.64	43.66	39.62	37.04	34.29	32.60	31.19	29.73	28.85
135.0	51.38	45.53	41.79	38.04	35.64	33.18	31.60	30.26	29.20
180.0	45.47	41.73	38.10	35.70	33.59	31.84	30.20	29.14	28.38
225.0	42.37	38.74	36.34	34.41	32.36	31.08	29.73	29.03	28.44
270.0	47.05	42.43	39.44	36.87	34.76	32.60	31.19	29.73	28.91
315.0	43.01	39.74	36.40	34.18	32.42	30.96	29.44	28.44	27.56
360.0	47.58	43.60	39.56	36.93	34.76	32.54	31.02	29.90	29.03
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.32	27.74	27.45	27.27	27.33	27.51	27.74	27.97	28.09
45.0	29.20	28.38	27.92	27.68	27.51	27.62	27.80	28.09	28.38
90.0	28.27	27.80	27.56	27.45	27.62	27.92	28.21	28.44	28.50
135.0	28.27	27.74	27.45	27.21	27.21	27.39	27.68	27.97	28.21
180.0	27.68	27.27	27.15	27.10	27.21	27.51	27.68	27.86	27.86
225.0	28.09	27.74	27.74	27.92	28.15	28.44	28.68	28.73	28.44
270.0	28.32	27.86	27.62	27.51	27.68	27.92	28.21	28.44	28.68
315.0	27.10	26.80	26.63	26.69	26.86	27.15	27.62	27.86	27.86
360.0	28.32	27.74	27.45	27.27	27.33	27.51	27.74	27.97	28.09
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.86	27.21	26.51	25.46	24.23	23.17	22.41	22.06	22.71
45.0	28.56	28.38	27.97	27.27	25.98	24.87	23.53	22.71	21.89
90.0	28.21	27.62	26.80	25.40	24.29	22.94	22.12	21.48	20.95
135.0	28.09	27.80	26.92	25.98	24.58	23.41	22.53	21.54	20.95
180.0	27.56	26.92	26.10	25.05	23.70	22.77	21.95	21.42	21.24
225.0	27.86	27.04	25.69	24.58	23.64	22.71	22.53	22.71	22.82
270.0	28.44	27.97	27.27	25.93	24.87	23.76	23.53	23.82	23.88
315.0	27.56	26.80	25.98	24.87	23.53	22.65	21.77	21.01	20.54
360.0	27.86	27.21	26.51	25.46	24.23	23.17	22.41	22.06	22.71
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.53	22.00	21.65	21.13	20.66	20.07	19.61	19.02	18.38
45.0	21.19	20.83	20.72	20.54	20.42	20.13	19.78	19.31	18.90
90.0	20.42	20.13	19.84	19.55	19.20	18.79	18.49	18.08	17.73
135.0	20.48	20.07	19.78	19.37	19.08	18.84	18.49	18.08	17.85
180.0	21.07	20.72	20.48	20.37	20.07	19.78	19.37	18.90	18.32
225.0	22.65	22.41	22.24	21.95	21.42	20.89	20.13	19.31	18.49
270.0	23.94	23.88	23.64	23.17	22.59	22.12	21.48	20.54	19.78
315.0	20.07	19.78	19.43	19.14	18.79	18.49	18.20	17.91	17.56
360.0	22.53	22.00	21.65	21.13	20.66	20.07	19.61	19.02	18.38
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	17.85	17.26	16.85	16.39	16.21	15.98	15.68	15.45	15.57
45.0	18.43	17.79	17.32	16.74	16.39	16.15	15.92	15.57	15.39
90.0	17.32	16.97	16.62	16.39	16.15	15.80	15.57	15.39	15.16
135.0	17.44	17.15	16.80	16.50	16.21	15.98	15.68	15.45	15.45
180.0	17.85	17.21	16.56	16.27	16.04	15.68	15.45	15.33	15.10
225.0	17.38	16.80	16.44	16.21	15.74	15.45	15.33	15.04	15.10
270.0	19.02	17.56	16.80	16.44	16.27	15.74	15.57	15.39	15.16
315.0	17.26	16.97	16.68	16.39	16.15	15.68	15.51	15.39	15.22
360.0	17.85	17.26	16.85	16.39	16.21	15.98	15.68	15.45	15.57

Intensity data(cd)

C/ γ (°)	90.0
0.0	15.10
45.0	15.27
90.0	15.10
135.0	15.16
180.0	15.10
225.0	15.10
270.0	15.16
315.0	15.16
360.0	15.10