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NT

Client:

LumCAT: 2-2808-L

Luminaire: 92.70.412.00

Report No: 2024809-B003

Ballast type: AC

Test No: 2024809-C003

Voltage(V): 220.600

LampCAT: TVF TX1-1917S-1312BB

Current(A): 0.087

Lamp flux(lm): 3066.0

Power (W): 18.800

Number of Lamps: 1

PF: 0.979

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2969.37, Efficiency(%): 96.85% , Luminous Efficacy(lm/W): 157.95

Central intensity(cd): 6326.926, Maximum intensity(cd): 6326.926

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=37.0

[C90/270]Total=37.0

Field angle(10%Imax): [C0/180]Total=68.2

[C90/270]Total=68.2

Maximum s/h(1/2): C0_180=0.60 C90_270=0.60

Maximum s/h(1/4): C0_180=0.63 C90_270=0.63

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 96.85%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.484%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/9
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	6326.926	0.000	0	0.00%	0.00%
1.0	6317.123	6.050	6.05	0.20%	0.20%
2.0	6288.667	18.093	24.143	0.59%	0.81%
3.0	6242.507	29.970	54.113	0.98%	1.82%
4.0	6174.402	41.563	95.677	1.36%	3.22%
5.0	6082.521	52.729	148.405	1.72%	5.00%
6.0	5966.135	63.319	211.724	2.07%	7.13%
7.0	5829.558	73.216	284.94	2.39%	9.60%
8.0	5662.110	82.244	367.184	2.68%	12.37%
9.0	5484.129	90.334	457.518	2.95%	15.41%
10.0	5268.766	97.310	554.828	3.17%	18.69%
11.0	5065.547	103.261	658.089	3.37%	22.16%
12.0	4821.288	108.077	766.166	3.52%	25.80%
13.0	4575.713	111.519	877.685	3.64%	29.56%
14.0	4315.581	113.808	991.492	3.71%	33.39%
15.0	4064.446	115.045	1106.537	3.75%	37.27%
16.0	3795.462	115.170	1221.707	3.76%	41.14%
17.0	3534.671	114.150	1335.857	3.72%	44.99%
18.0	3275.563	112.286	1448.143	3.66%	48.77%
19.0	3040.376	109.884	1558.027	3.58%	52.47%
20.0	2807.310	107.029	1665.056	3.49%	56.07%
21.0	2600.725	103.845	1768.901	3.39%	59.57%
22.0	2402.700	100.546	1869.447	3.28%	62.96%
23.0	2241.324	97.444	1966.891	3.18%	66.24%
24.0	2068.829	94.235	2061.127	3.07%	69.41%
25.0	1915.793	90.602	2151.728	2.96%	72.46%
26.0	1776.655	87.161	2238.889	2.84%	75.40%
27.0	1635.470	83.478	2322.367	2.72%	78.21%
28.0	1475.718	78.769	2401.136	2.57%	80.86%
29.0	1289.258	72.340	2473.476	2.36%	83.30%
30.0	1202.974	67.290	2540.765	2.19%	85.57%
31.0	1058.533	62.934	2603.7	2.05%	87.69%
32.0	921.598	56.728	2660.428	1.85%	89.60%
33.0	779.746	50.122	2710.551	1.63%	91.28%
34.0	651.889	43.326	2753.876	1.41%	92.74%
35.0	523.791	36.512	2790.388	1.19%	93.97%
36.0	404.632	29.561	2819.949	0.96%	94.97%
37.0	303.278	23.088	2843.038	0.75%	95.75%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	230.367	17.812	2860.85	0.58%	96.35%
39.0	169.562	13.651	2874.501	0.45%	96.80%
40.0	69.093	8.323	2882.824	0.27%	97.09%
41.0	42.246	3.965	2886.789	0.13%	97.22%
42.0	34.938	2.804	2889.593	0.09%	97.31%
43.0	32.092	2.483	2892.076	0.08%	97.40%
44.0	30.051	2.345	2894.421	0.08%	97.48%
45.0	28.274	2.241	2896.663	0.07%	97.55%
46.0	26.774	2.153	2898.816	0.07%	97.62%
47.0	25.596	2.083	2900.899	0.07%	97.69%
48.0	24.506	2.025	2902.924	0.07%	97.76%
49.0	23.563	1.974	2904.898	0.06%	97.83%
50.0	22.707	1.929	2906.827	0.06%	97.89%
51.0	21.990	1.891	2908.718	0.06%	97.96%
52.0	21.214	1.854	2910.572	0.06%	98.02%
53.0	20.512	1.815	2912.387	0.06%	98.08%
54.0	19.905	1.781	2914.169	0.06%	98.14%
55.0	19.371	1.753	2915.922	0.06%	98.20%
56.0	18.895	1.729	2917.651	0.06%	98.26%
57.0	18.413	1.706	2919.357	0.06%	98.32%
58.0	17.981	1.683	2921.04	0.05%	98.37%
59.0	17.579	1.662	2922.702	0.05%	98.43%
60.0	17.235	1.645	2924.347	0.05%	98.48%
61.0	16.891	1.629	2925.975	0.05%	98.54%
62.0	16.576	1.613	2927.588	0.05%	98.59%
63.0	16.291	1.599	2929.187	0.05%	98.65%
64.0	16.021	1.586	2930.772	0.05%	98.70%
65.0	15.808	1.575	2932.347	0.05%	98.75%
66.0	15.582	1.566	2933.914	0.05%	98.81%
67.0	15.355	1.556	2935.469	0.05%	98.86%
68.0	15.150	1.545	2937.014	0.05%	98.91%
69.0	14.938	1.535	2938.549	0.05%	98.96%
70.0	14.762	1.525	2940.075	0.05%	99.01%
71.0	14.536	1.514	2941.589	0.05%	99.06%
72.0	14.345	1.502	2943.091	0.05%	99.11%
73.0	14.221	1.494	2944.584	0.05%	99.17%
74.0	14.126	1.490	2946.075	0.05%	99.22%
75.0	14.045	1.488	2947.563	0.05%	99.27%

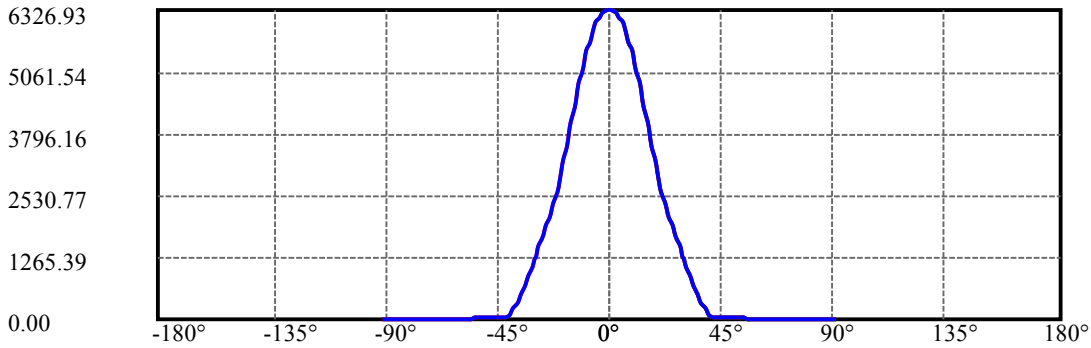
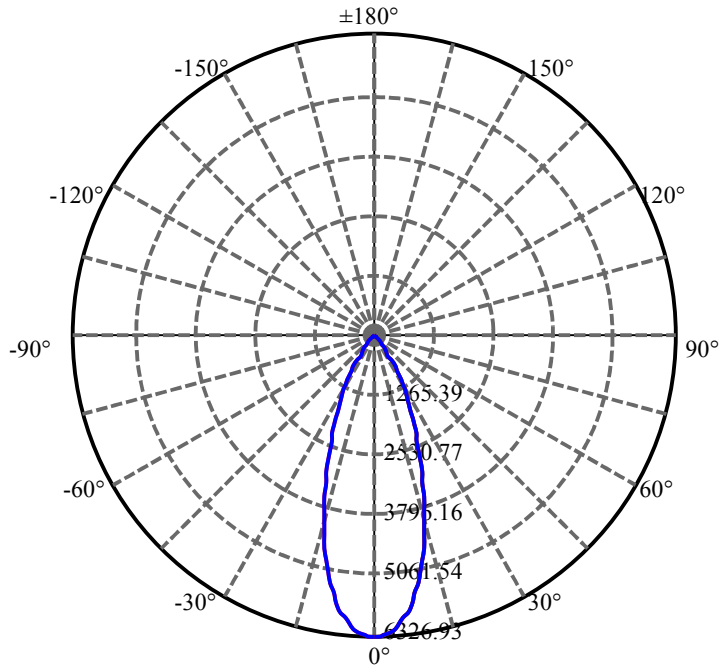
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.928	1.485	2949.048	0.05%	99.32%
77.0	13.855	1.481	2950.529	0.05%	99.37%
78.0	13.789	1.480	2952.009	0.05%	99.42%
79.0	13.709	1.477	2953.487	0.05%	99.46%
80.0	13.621	1.473	2954.96	0.05%	99.51%
81.0	13.526	1.468	2956.428	0.05%	99.56%
82.0	13.453	1.463	2957.891	0.05%	99.61%
83.0	13.387	1.459	2959.35	0.05%	99.66%
84.0	13.328	1.455	2960.806	0.05%	99.71%
85.0	13.248	1.450	2962.256	0.05%	99.76%
86.0	13.131	1.442	2963.698	0.05%	99.81%
87.0	13.036	1.432	2965.13	0.05%	99.86%
88.0	12.963	1.424	2966.554	0.05%	99.91%
89.0	12.860	1.415	2967.97	0.05%	99.95%
90.0	12.736	1.403	2969.373	0.05%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2540.77	82.87%	85.57%
0-40	2882.82	94.02%	97.09%
0-60	2924.35	95.38%	98.48%
0-90	2967.97	96.80%	99.95%
0-120	2967.97	96.80%	99.95%
0-180	2969.37	96.85%	100.00%
60-90	43.62	1.42%	1.47%
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%
0-27.67	2375.50	77.48%	80.00%

ZONAL LUMEN SUMMARY

0-10	554.83
10-20	1110.23
20-30	875.71
30-40	342.06
40-50	24.00
50-60	17.52
60-70	15.73
70-80	14.89
80-90	13.01
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: —————

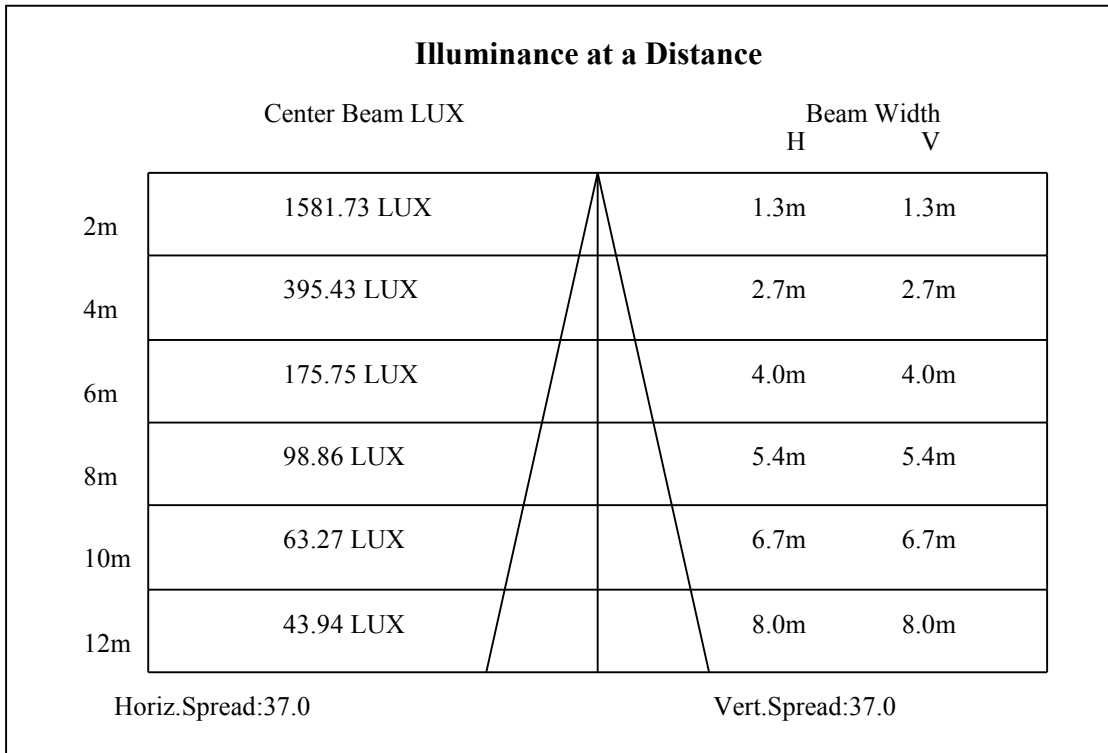
C90/C270: —————

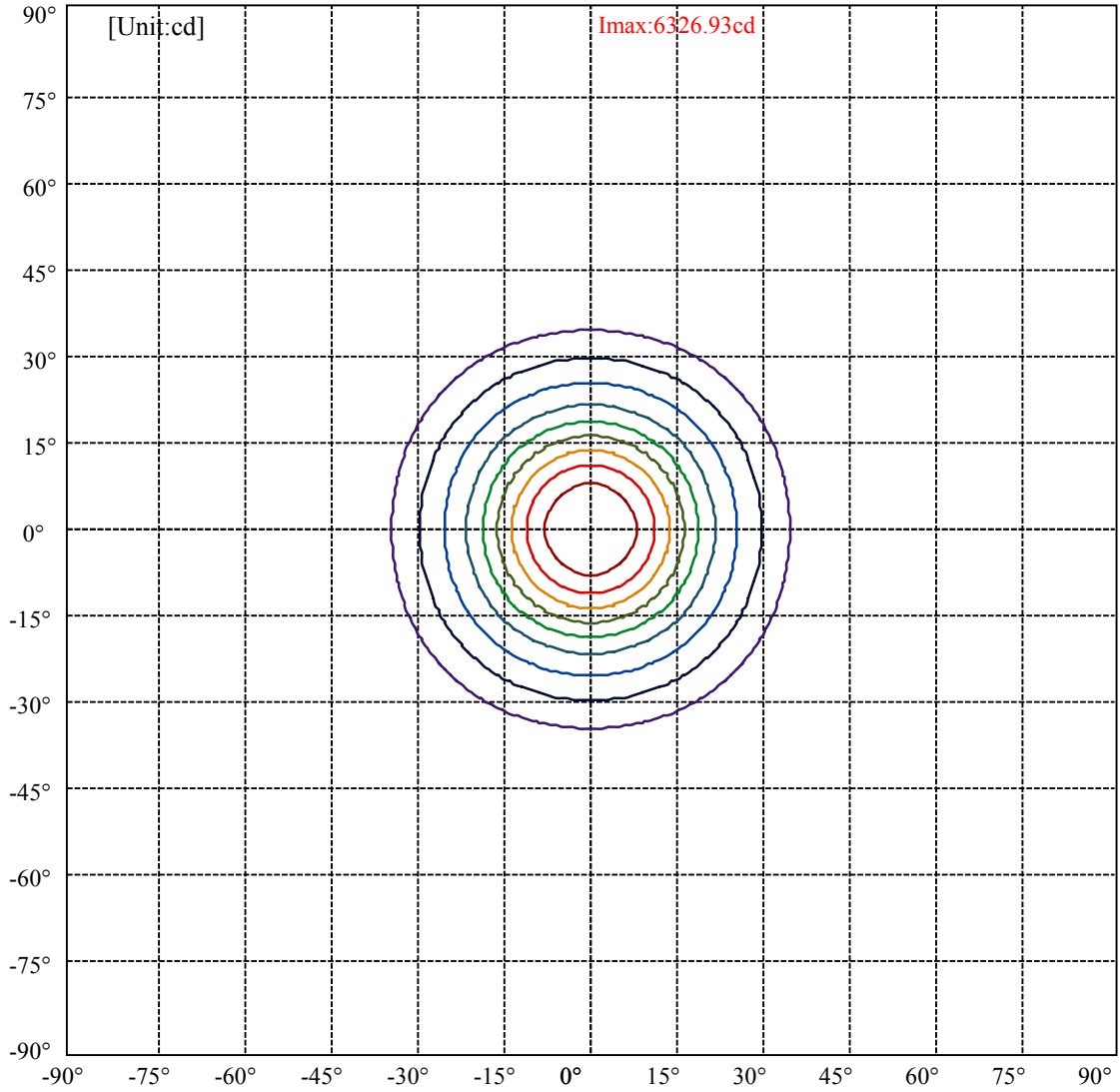
Field angle(10%Imax):C0/180Left:34.1 Right:34.1

:C90/270Left:34.1 Right:34.1

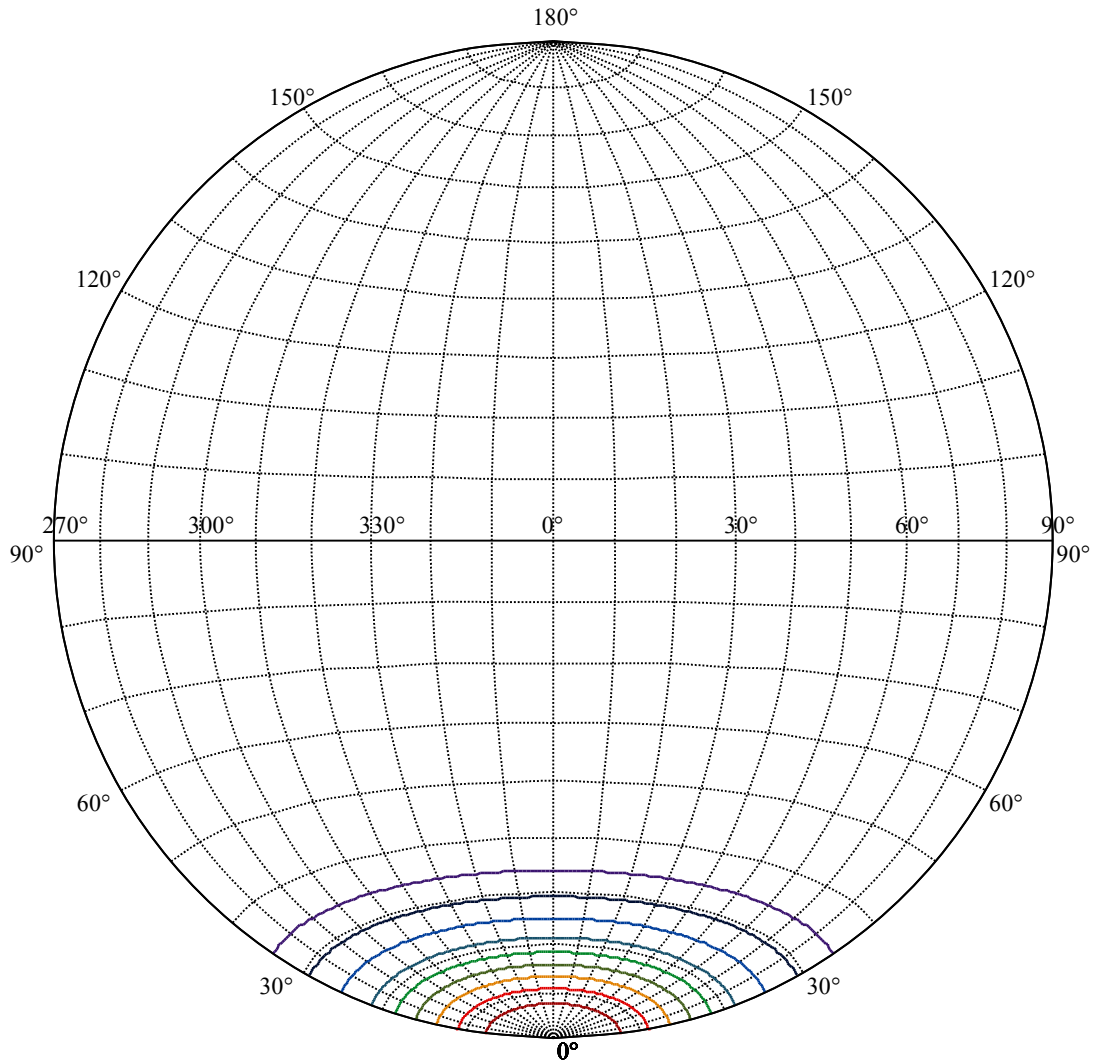
Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5

:C90/270Left:18.5 Right:18.5





(10%Imax) 632.693	—
(20%Imax) 1265.39	—
(30%Imax) 1898.08	—
(40%Imax) 2530.77	—
(50%Imax) 3163.46	—
(60%Imax) 3796.16	—
(70%Imax) 4428.85	—
(80%Imax) 5061.54	—
(90%Imax) 5694.23	—



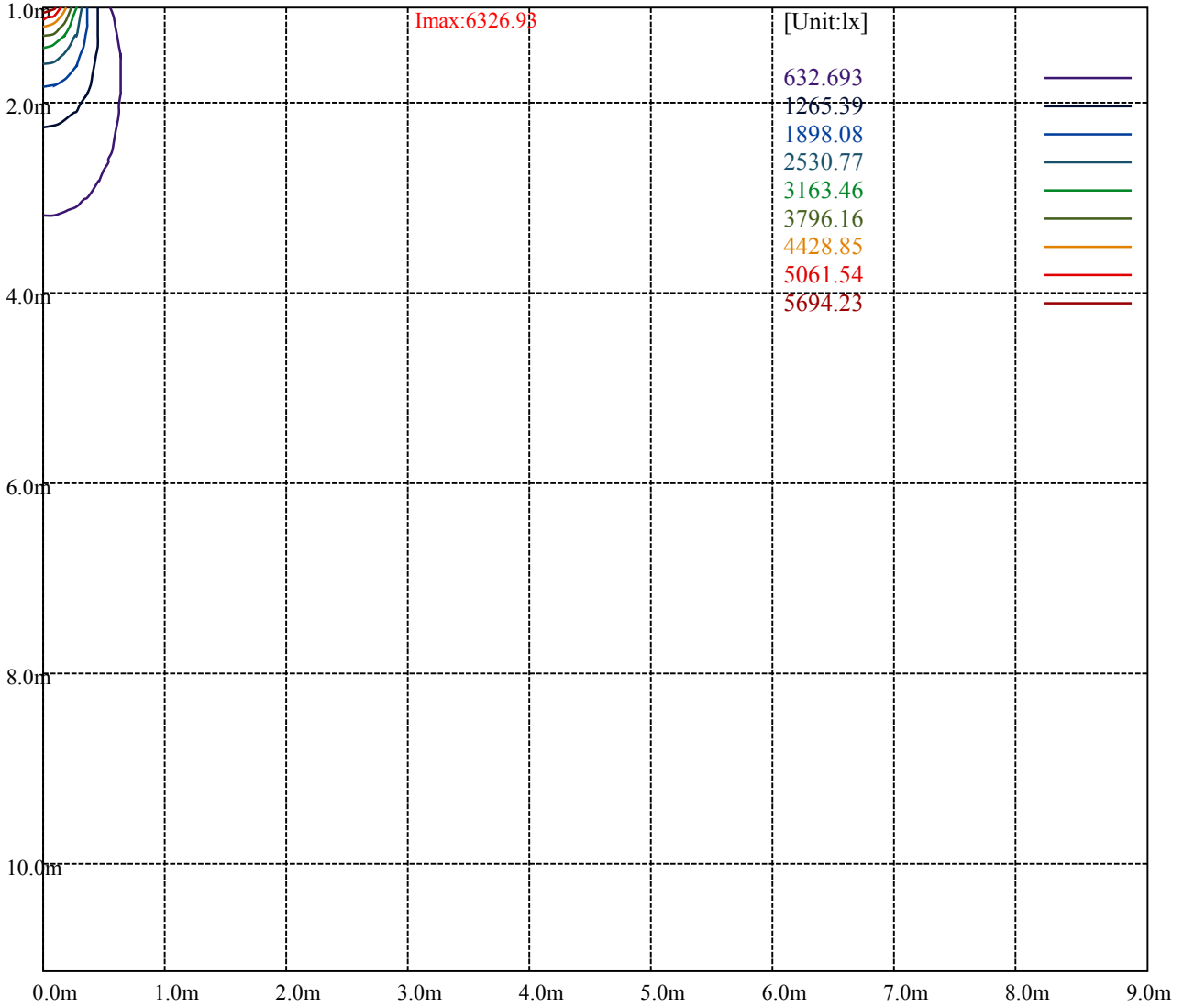
House

[Unit:cd]

Road

Imax:6326.93

(10%Imax) 632.693	—
(20%Imax) 1265.39	—
(30%Imax) 1898.08	—
(40%Imax) 2530.77	—
(50%Imax) 3163.46	—
(60%Imax) 3796.16	—
(70%Imax) 4428.85	—
(80%Imax) 5061.54	—
(90%Imax) 5694.23	—



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

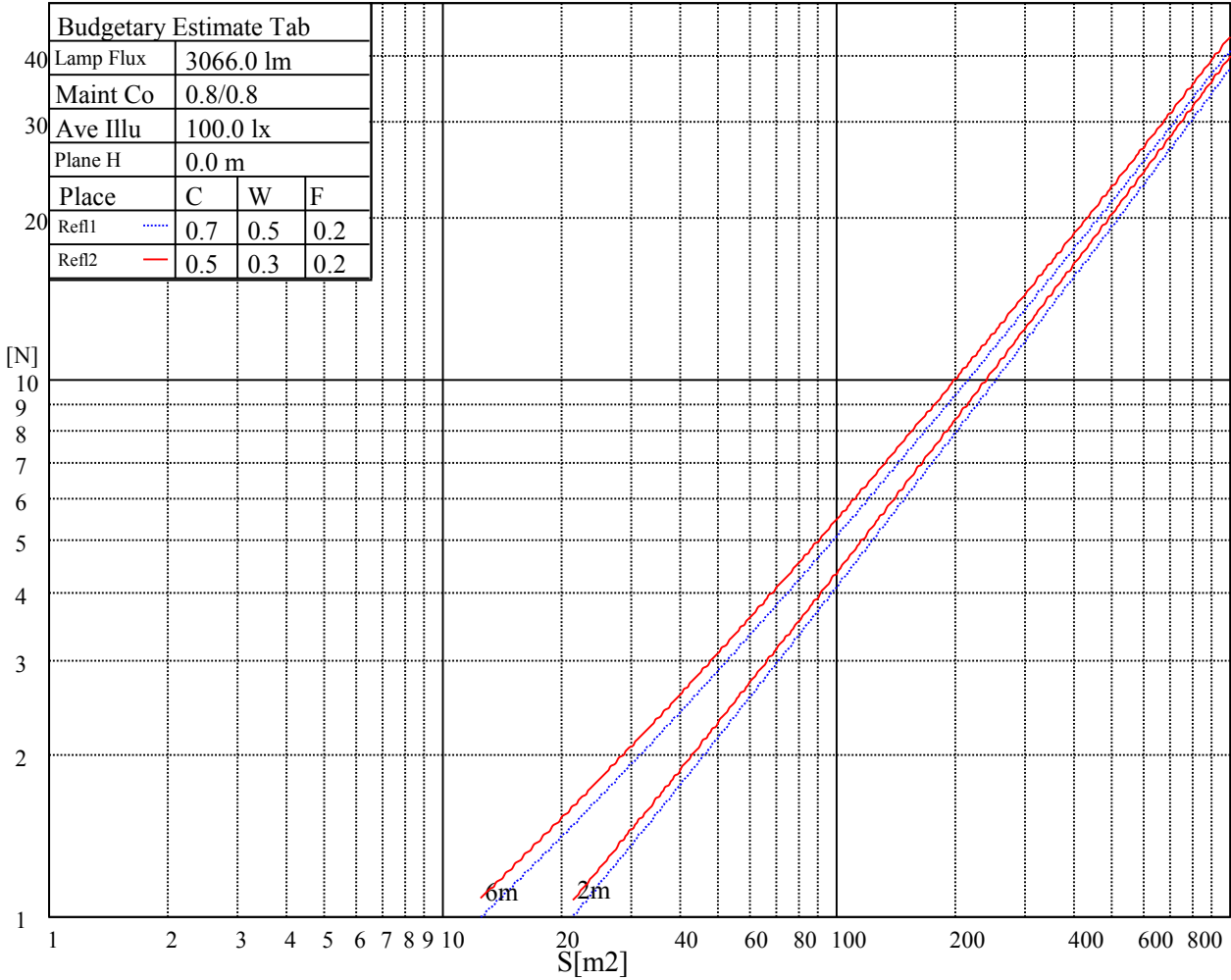
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

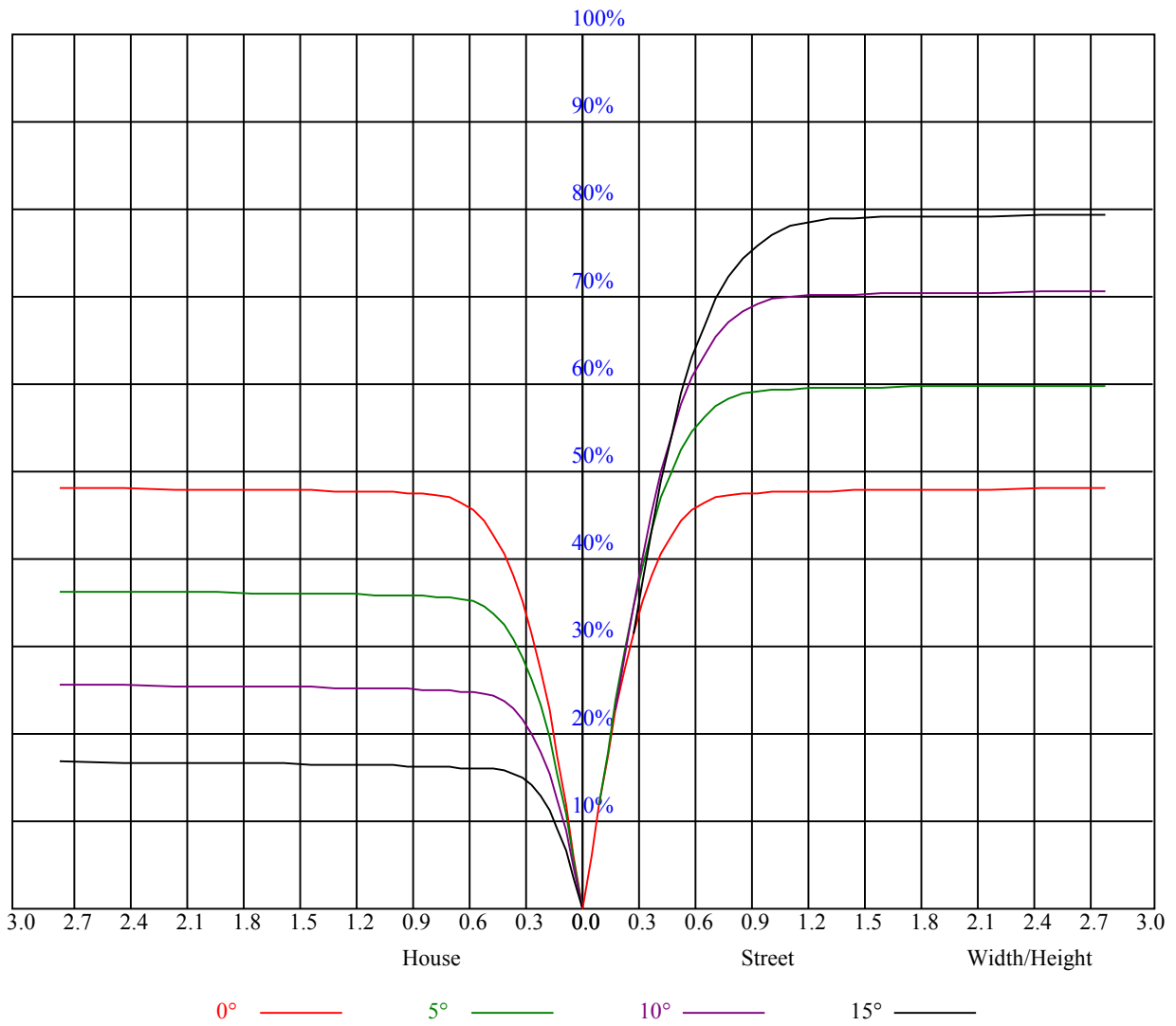


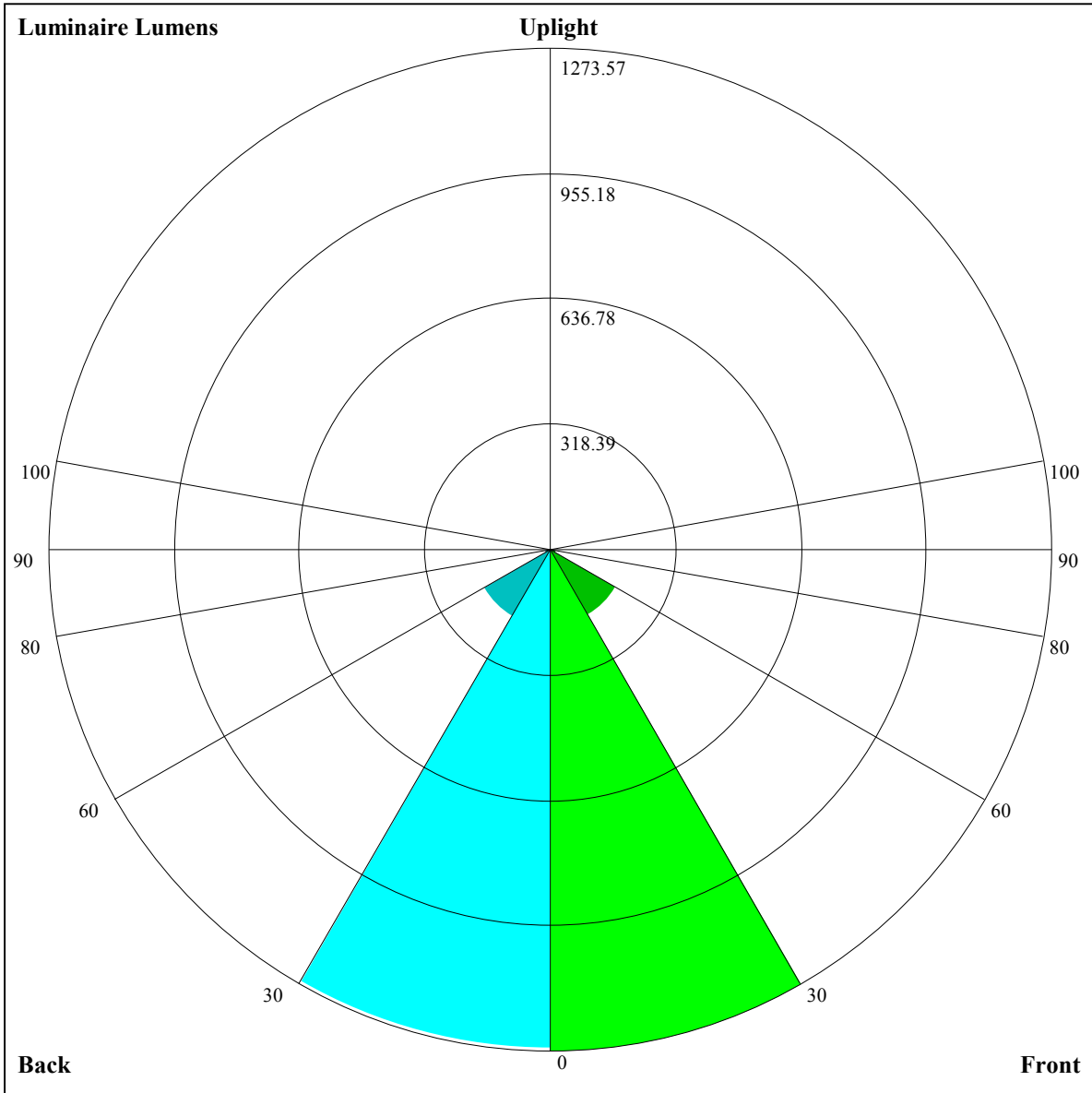
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFC=20 CU															
0	1.15	1.15	1.15	1.13	1.13	1.13	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.08	1.06	1.04	1.06	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.91
2	1.01	0.98	0.95	1.00	0.97	0.94	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.90	0.88	0.86
3	0.96	0.91	0.88	0.94	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.85	0.83	0.82
4	0.91	0.86	0.82	0.90	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.78
5	0.86	0.81	0.78	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.75	0.74
6	0.82	0.77	0.73	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.70
7	0.78	0.73	0.70	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
8	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.64
9	0.71	0.66	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.69	0.65	0.62	0.61
10	0.68	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.59





Luminaire Lumens:

FL=1273.57,FM=190.54,FH=15.22,FVH=7.17

BL=1267.39,BM=193.95,BH=15.36,BVH=7.23

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	6332.19	6332.78	6302.93	6246.16	6170.67	6061.82	5951.80	5821.29	5662.70
45.0	6322.24	6321.66	6317.56	6294.15	6249.09	6187.06	6096.93	5970.52	5851.14
90.0	6328.10	6302.93	6271.91	6230.36	6150.19	6035.48	5933.07	5759.26	5609.44
135.0	6325.17	6321.66	6305.27	6252.02	6195.84	6129.12	5999.79	5878.64	5705.42
180.0	6332.19	6305.27	6285.96	6248.51	6166.57	6084.64	5972.28	5855.23	5670.89
225.0	6322.24	6292.98	6231.53	6178.28	6100.44	5967.01	5831.24	5685.52	5476.01
270.0	6328.10	6334.53	6312.88	6266.06	6216.32	6136.14	6032.56	5904.98	5729.41
315.0	6325.17	6325.17	6281.28	6224.51	6146.09	6058.89	5911.42	5761.01	5591.88
360.0	6332.19	6332.78	6302.93	6246.16	6170.67	6061.82	5951.80	5821.29	5662.70
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5448.50	5251.87	5040.60	4814.70	4519.75	4279.81	4037.53	3787.05	3478.05
45.0	5699.56	5492.98	5303.95	5045.28	4828.75	4591.15	4342.43	4034.60	3783.54
90.0	5440.31	5210.90	4996.12	4776.66	4541.40	4240.60	4000.66	3760.71	3516.09
135.0	5556.77	5380.62	5196.86	4944.04	4716.39	4495.76	4253.47	3948.57	3702.19
180.0	5518.73	5313.32	5127.80	4862.11	4636.80	4344.18	4102.49	3855.52	3557.64
225.0	5275.28	5014.85	4785.44	4557.21	4320.19	4013.53	3770.08	3529.55	3282.00
270.0	5563.79	5324.44	5124.29	4905.41	4616.90	4374.62	4131.75	3821.58	3575.78
315.0	5370.08	5161.16	4949.31	4664.89	4425.53	4185.00	3877.17	3626.11	3382.07
360.0	5448.50	5251.87	5040.60	4814.70	4519.75	4279.81	4037.53	3787.05	3478.05
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3182.51	2962.47	2759.98	2570.95	2357.93	2195.82	2038.98	1895.02	1741.69
45.0	3534.23	3300.14	3022.16	2809.14	2608.99	2425.23	2218.06	2066.49	1912.57
90.0	3287.27	3005.77	2797.43	2561.00	2390.12	2233.28	2038.40	1896.77	1773.88
135.0	3465.76	3231.67	2960.71	2760.56	2535.84	2367.29	2210.45	2026.11	1888.58
180.0	3320.63	3081.85	2862.39	2614.84	2441.03	2286.53	2139.06	1959.39	1825.96
225.0	2991.73	2779.88	2579.15	2400.07	2197.58	2044.83	1860.49	1730.57	1611.18
270.0	3333.50	3094.73	2813.24	2608.41	2421.72	2261.95	2077.61	1920.18	1784.99
315.0	3088.88	2866.49	2663.42	2480.83	2268.39	2115.65	1967.58	1831.81	1674.39
360.0	3182.51	2962.47	2759.98	2570.95	2357.93	2195.82	2038.98	1895.02	1741.69
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1622.89	1499.99	1151.31	1151.31	1047.67	911.78	745.99	617.12	493.75
45.0	1745.78	1618.21	1463.12	1324.42	1185.14	1050.54	886.09	761.44	640.88
90.0	1617.04	1485.94	1167.64	1167.64	1028.18	896.56	768.05	645.62	497.73
135.0	1762.76	1640.44	1483.60	1349.00	1211.47	1075.12	904.82	771.39	642.05
180.0	1695.46	1583.09	1419.81	1274.68	1099.70	962.75	826.40	663.12	540.81
225.0	1453.17	1139.02	1139.02	1038.60	876.14	755.00	639.01	530.04	404.10
270.0	1633.42	1517.55	1340.81	1202.11	1068.09	902.48	778.99	660.78	549.00
315.0	1553.25	1321.50	1148.74	1116.02	951.87	818.55	688.63	565.62	422.01
360.0	1622.89	1499.99	1151.31	1151.31	1047.67	911.78	745.99	617.12	493.75
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	354.70	258.55	152.92	86.85	47.81	37.10	32.83	30.49	28.73
45.0	532.03	399.18	301.45	301.45	114.29	62.79	41.49	35.93	33.30
90.0	390.70	297.00	187.62	112.77	52.61	37.69	33.88	31.54	29.09
135.0	485.21	372.85	299.11	299.11	98.14	45.65	35.05	32.01	30.08
180.0	426.69	325.44	302.62	199.44	76.37	41.84	33.59	31.49	30.02
225.0	312.33	228.88	134.25	74.32	43.83	37.98	35.76	33.42	31.19
270.0	414.98	316.08	316.08	210.27	78.77	39.97	35.05	31.84	29.50
315.0	320.41	228.24	148.88	72.28	40.91	34.94	31.84	30.02	28.50
360.0	354.70	258.55	152.92	86.85	47.81	37.10	32.83	30.49	28.73

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	27.10	25.46	24.52	23.70	22.82	21.71	21.01	20.13	19.49
45.0	30.67	28.27	26.69	25.52	24.29	23.47	22.71	22.06	21.30
90.0	27.56	26.22	25.16	24.05	23.29	22.47	21.83	21.07	20.37
135.0	28.15	26.86	25.75	24.87	23.70	22.88	22.18	21.19	20.48
180.0	28.56	27.39	26.39	25.40	24.58	23.53	22.88	22.12	21.42
225.0	29.61	28.27	26.57	24.76	23.76	23.06	22.53	21.65	21.07
270.0	27.74	25.81	24.70	23.88	23.00	22.24	21.54	20.89	20.01
315.0	26.80	25.93	24.99	23.88	23.06	22.30	21.24	20.60	19.96
360.0	27.10	25.46	24.52	23.70	22.82	21.71	21.01	20.13	19.49
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	18.90	18.43	17.97	17.56	17.15	16.74	16.44	16.21	15.98
45.0	20.66	20.13	19.66	19.14	18.67	18.14	17.85	17.44	17.03
90.0	19.72	19.25	18.84	18.26	17.91	17.56	17.21	16.80	16.56
135.0	19.90	19.25	18.73	18.32	17.91	17.62	17.26	17.03	16.74
180.0	20.66	20.19	19.72	19.25	18.73	18.32	17.97	17.50	17.15
225.0	20.54	19.96	19.43	18.90	18.43	17.97	17.50	17.15	16.80
270.0	19.43	18.96	18.43	17.91	17.50	17.15	16.74	16.44	16.09
315.0	19.43	18.79	18.38	17.97	17.56	17.15	16.91	16.56	16.27
360.0	18.90	18.43	17.97	17.56	17.15	16.74	16.44	16.21	15.98
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.68	15.51	15.39	15.22	14.98	14.86	14.69	14.57	14.46
45.0	16.74	16.44	16.15	15.92	15.63	15.39	15.16	14.86	14.63
90.0	16.27	15.92	15.74	15.51	15.27	15.04	14.81	14.63	14.40
135.0	16.50	16.33	16.15	15.98	15.80	15.63	15.39	15.22	14.92
180.0	16.85	16.44	16.15	15.92	15.57	15.33	15.10	14.92	14.63
225.0	16.44	16.09	15.80	15.51	15.27	14.98	14.75	14.57	14.28
270.0	15.80	15.63	15.39	15.16	15.04	14.86	14.69	14.57	14.46
315.0	16.04	15.80	15.68	15.45	15.27	15.10	14.92	14.75	14.51
360.0	15.68	15.51	15.39	15.22	14.98	14.86	14.69	14.57	14.46
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.22	14.16	14.05	13.99	13.81	13.75	13.64	13.58	13.46
45.0	14.46	14.22	14.10	14.05	13.93	13.87	13.81	13.75	13.69
90.0	14.16	14.05	13.99	13.93	13.81	13.75	13.69	13.64	13.58
135.0	14.69	14.57	14.46	14.40	14.28	14.22	14.16	14.05	13.99
180.0	14.40	14.28	14.22	14.10	13.99	13.87	13.81	13.75	13.64
225.0	14.16	14.05	13.99	13.87	13.81	13.69	13.69	13.64	13.52
270.0	14.34	14.22	14.10	14.05	13.93	13.87	13.81	13.69	13.64
315.0	14.34	14.22	14.10	13.99	13.87	13.81	13.69	13.58	13.46
360.0	14.22	14.16	14.05	13.99	13.81	13.75	13.64	13.58	13.46
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.34	13.28	13.23	13.17	13.11	12.99	12.93	12.87	12.82
45.0	13.58	13.52	13.40	13.34	13.28	13.17	12.99	12.93	12.87
90.0	13.46	13.40	13.34	13.28	13.23	13.11	12.99	12.93	12.82
135.0	13.93	13.81	13.75	13.75	13.64	13.52	13.40	13.28	13.23
180.0	13.58	13.52	13.46	13.40	13.34	13.23	13.17	13.11	12.87
225.0	13.46	13.40	13.28	13.23	13.11	12.99	12.93	12.82	12.76
270.0	13.52	13.40	13.34	13.28	13.17	13.05	12.93	12.87	12.82
315.0	13.34	13.28	13.28	13.17	13.11	12.99	12.93	12.87	12.70
360.0	13.34	13.28	13.23	13.17	13.11	12.99	12.93	12.87	12.82

Intensity data(cd)

C/γ(°)	90.0
0.0	12.76
45.0	12.76
90.0	12.70
135.0	12.76
180.0	12.70
225.0	12.76
270.0	12.76
315.0	12.70
360.0	12.76