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Nata

Client: NT
LumCAT: 1-1756-LM
Luminaire: 92.70.492.00 LED HOLDER
Report No: 20251210-C003
Ballast type: DC

Test No: 20251210-C003	Voltage(V): 34.470
LampCAT: PHILIPS SLM 1203 L09 1313	Current(A): 0.218
Lamp flux(lm): 1296.0	Power (W): 7.514
Number of Lamps: 1	PF: 0.000
Length(mm): 45	Width(mm): 45
Phm Type: C	Height(mm): 19

Photometric Results

Lumens(lm): 1263.87, Efficiency(%): 97.52% , Luminous Efficacy(lm/W): 168.20
Central intensity(cd): 2520.125, Maximum intensity(cd): 2520.125
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=33.8
[C90/270]Total=33.8
Field angle(10%Imax): [C0/180]Total=81.0
[C90/270]Total=81.0
Maximum s/h(1/2): C0_180=0.56 C90_270=0.56
Maximum s/h(1/4): C0_180=0.58 C90_270=0.58
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 97.52%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.336%

Equipment: GMS1980	Date: 2025/12/10	Operator: YZQ
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 9.28

NT Nata 1-1756-LM

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2520.126	0.000	0	0.00%	0.00%
1.0	2514.851	2.409	2.409	0.19%	0.19%
2.0	2501.610	7.200	9.609	0.56%	0.76%
3.0	2479.543	11.913	21.523	0.92%	1.70%
4.0	2448.217	16.495	38.017	1.27%	3.01%
5.0	2405.804	20.882	58.899	1.61%	4.66%
6.0	2353.487	25.011	83.91	1.93%	6.64%
7.0	2289.221	28.817	112.728	2.22%	8.92%
8.0	2216.020	32.243	144.971	2.49%	11.47%
9.0	2113.539	35.089	180.059	2.71%	14.25%
10.0	2018.389	37.392	217.452	2.89%	17.21%
11.0	1931.022	39.463	256.915	3.04%	20.33%
12.0	1822.599	41.032	297.947	3.17%	23.57%
13.0	1670.073	41.449	339.396	3.20%	26.85%
14.0	1577.646	41.571	380.967	3.21%	30.14%
15.0	1479.256	41.967	422.933	3.24%	33.46%
16.0	1359.045	41.589	464.522	3.21%	36.75%
17.0	1251.699	40.656	505.179	3.14%	39.97%
18.0	1144.976	39.516	544.695	3.05%	43.10%
19.0	1047.706	38.148	582.843	2.94%	46.12%
20.0	956.086	36.675	619.518	2.83%	49.02%
21.0	872.250	35.108	654.625	2.71%	51.80%
22.0	804.335	33.692	688.317	2.60%	54.46%
23.0	735.053	32.301	720.618	2.49%	57.02%
24.0	679.367	30.924	751.542	2.39%	59.46%
25.0	631.033	29.796	781.338	2.30%	61.82%
26.0	590.923	28.844	810.182	2.23%	64.10%
27.0	555.259	28.042	838.224	2.16%	66.32%
28.0	523.481	27.311	865.535	2.11%	68.48%
29.0	498.335	26.734	892.269	2.06%	70.60%
30.0	475.223	26.286	918.554	2.03%	72.68%
31.0	457.848	25.966	944.52	2.00%	74.73%
32.0	442.444	25.792	970.313	1.99%	76.77%
33.0	422.540	25.483	995.796	1.97%	78.79%
34.0	406.694	25.095	1020.891	1.94%	80.77%
35.0	390.547	24.759	1045.65	1.91%	82.73%
36.0	369.491	24.200	1069.85	1.87%	84.65%
37.0	350.039	23.467	1093.317	1.81%	86.51%

NT Nata 1-1756-LM

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	324.473	22.514	1115.831	1.74%	88.29%
39.0	298.336	21.258	1137.089	1.64%	89.97%
40.0	267.914	19.749	1156.838	1.52%	91.53%
41.0	236.051	17.946	1174.784	1.38%	92.95%
42.0	203.885	15.984	1190.768	1.23%	94.22%
43.0	170.923	13.884	1204.652	1.07%	95.31%
44.0	138.887	11.693	1216.345	0.90%	96.24%
45.0	108.628	9.512	1225.857	0.73%	96.99%
46.0	82.071	7.458	1233.315	0.58%	97.58%
47.0	60.918	5.687	1239.002	0.44%	98.03%
48.0	43.005	4.201	1243.203	0.32%	98.36%
49.0	30.669	3.025	1246.228	0.23%	98.60%
50.0	19.872	2.107	1248.336	0.16%	98.77%
51.0	13.542	1.414	1249.749	0.11%	98.88%
52.0	10.248	1.021	1250.77	0.08%	98.96%
53.0	8.956	0.835	1251.606	0.06%	99.03%
54.0	7.987	0.747	1252.352	0.06%	99.09%
55.0	6.933	0.666	1253.018	0.05%	99.14%
56.0	6.373	0.601	1253.62	0.05%	99.19%
57.0	5.996	0.566	1254.185	0.04%	99.23%
58.0	5.296	0.522	1254.707	0.04%	99.28%
59.0	3.972	0.433	1255.141	0.03%	99.31%
60.0	3.283	0.343	1255.483	0.03%	99.34%
61.0	3.186	0.309	1255.792	0.02%	99.36%
62.0	3.089	0.302	1256.095	0.02%	99.38%
63.0	3.036	0.298	1256.392	0.02%	99.41%
64.0	2.960	0.294	1256.687	0.02%	99.43%
65.0	2.906	0.290	1256.977	0.02%	99.45%
66.0	2.885	0.289	1257.266	0.02%	99.48%
67.0	2.831	0.287	1257.553	0.02%	99.50%
68.0	2.756	0.283	1257.836	0.02%	99.52%
69.0	2.767	0.282	1258.118	0.02%	99.54%
70.0	2.723	0.282	1258.4	0.02%	99.57%
71.0	2.691	0.280	1258.68	0.02%	99.59%
72.0	2.670	0.279	1258.959	0.02%	99.61%
73.0	2.659	0.279	1259.237	0.02%	99.63%
74.0	2.627	0.278	1259.515	0.02%	99.66%
75.0	2.605	0.276	1259.792	0.02%	99.68%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	2.584	0.275	1260.067	0.02%	99.70%
77.0	2.562	0.274	1260.341	0.02%	99.72%
78.0	2.573	0.275	1260.616	0.02%	99.74%
79.0	2.540	0.275	1260.891	0.02%	99.76%
80.0	2.519	0.273	1261.164	0.02%	99.79%
81.0	2.508	0.272	1261.436	0.02%	99.81%
82.0	2.519	0.273	1261.708	0.02%	99.83%
83.0	2.508	0.273	1261.982	0.02%	99.85%
84.0	2.508	0.273	1262.255	0.02%	99.87%
85.0	2.497	0.273	1262.528	0.02%	99.89%
86.0	2.465	0.271	1262.799	0.02%	99.92%
87.0	2.444	0.269	1263.068	0.02%	99.94%
88.0	2.433	0.267	1263.335	0.02%	99.96%
89.0	2.454	0.268	1263.603	0.02%	99.98%
90.0	2.422	0.267	1263.87	0.02%	100.00%

Zonal flux distribution table

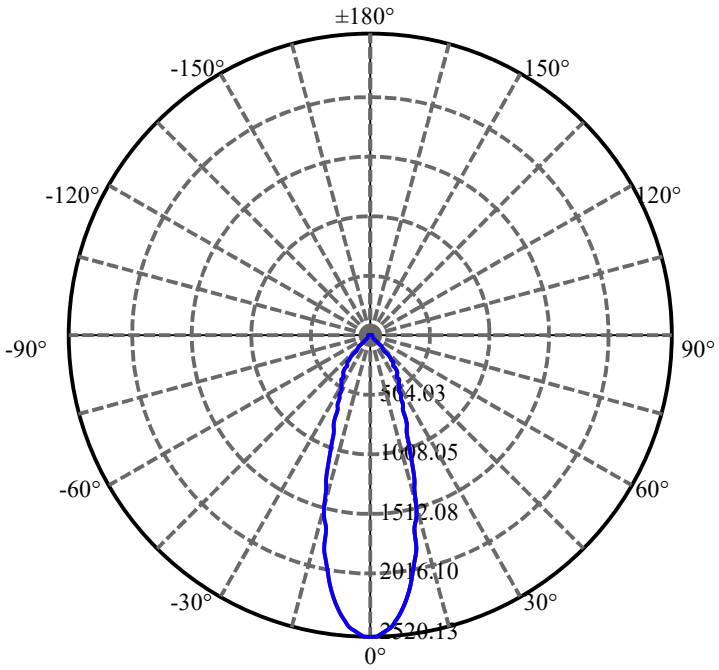
ZONAL LUMEN SUMMARY

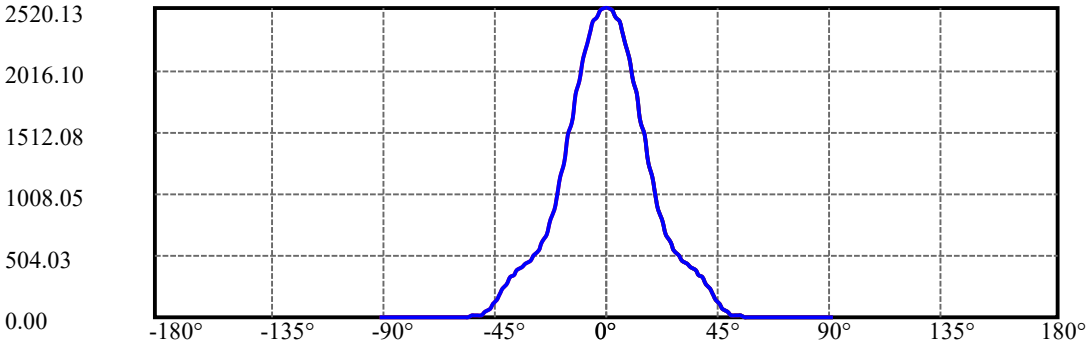
Zone	Lumens	%Lamp	%Fixt
0-30	918.55	70.88%	72.68%
0-40	1156.84	89.26%	91.53%
0-60	1255.48	96.87%	99.34%
0-90	1263.60	97.50%	99.98%
0-120	1263.60	97.50%	99.98%
0-180	1263.87	97.52%	100.00%
60-90	8.12	0.63%	0.64%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-33.61	1011.10	78.02%	80.00%

ZONAL LUMEN SUMMARY

0-10	217.45
10-20	402.07
20-30	299.04
30-40	238.28
40-50	91.50
50-60	7.15
60-70	2.92
70-80	2.76
80-90	2.44
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

Light Distribution Curve [Unit:cd]





C0(Max):

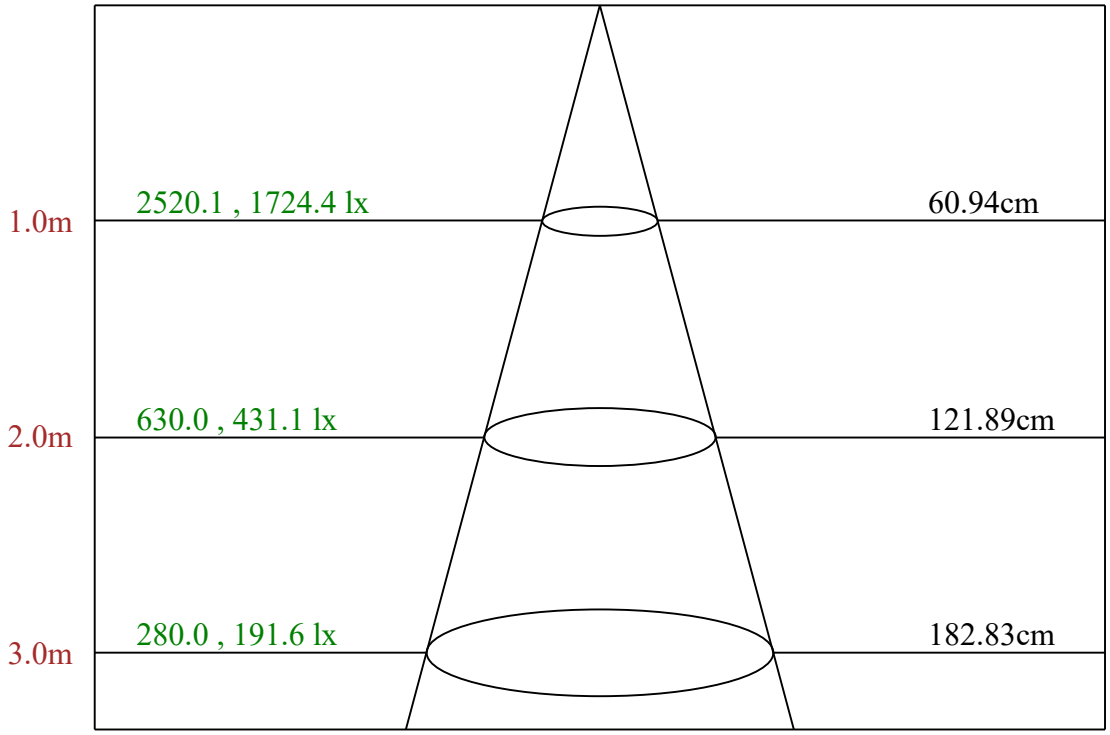
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:40.5 Right:40.5
:C90/270Left:40.5 Right:40.5

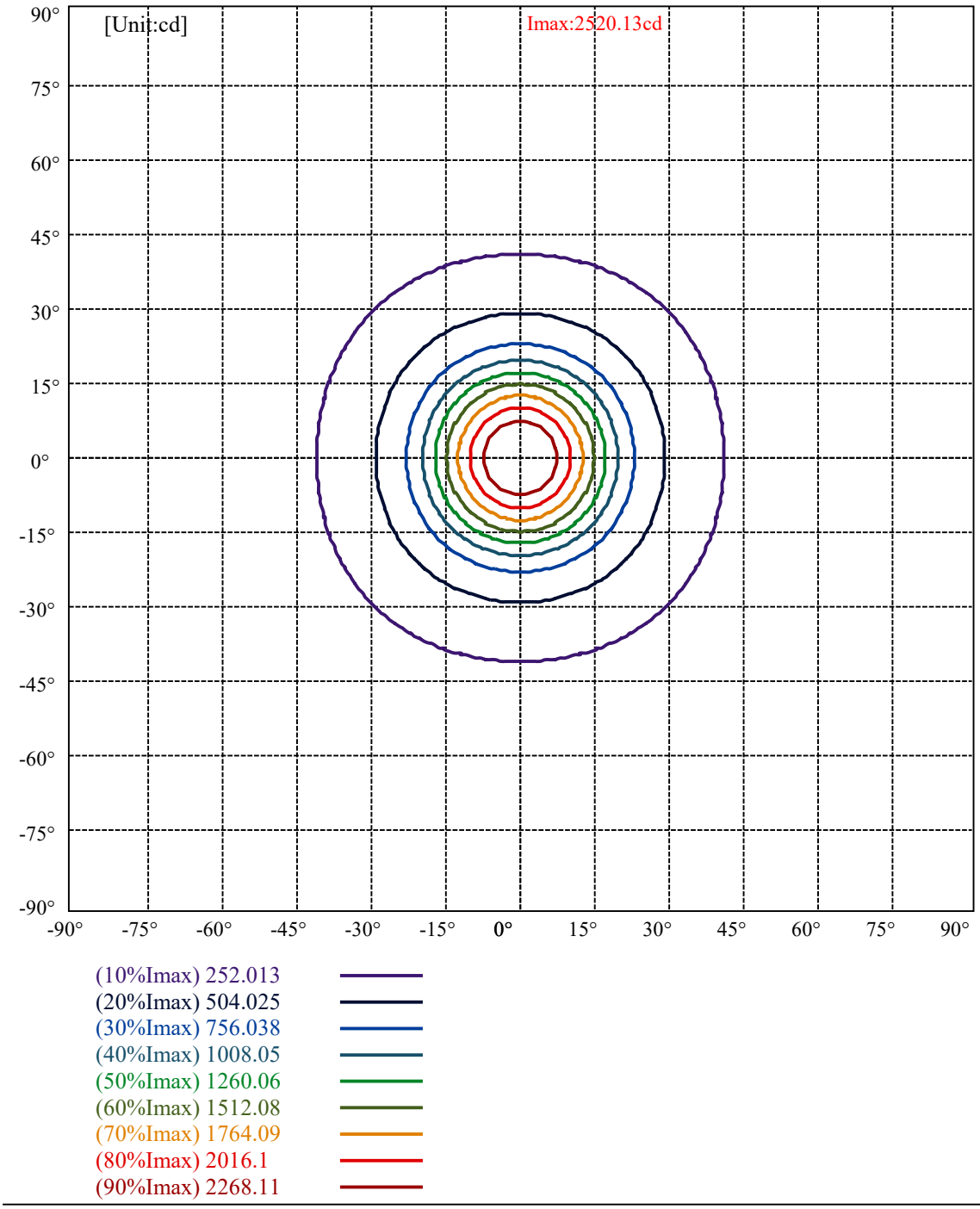
Beam Angle(50%Imax):C0/180Left:16.9 Right:16.9
:C90/270Left:16.9 Right:16.9

Lux distance Curve



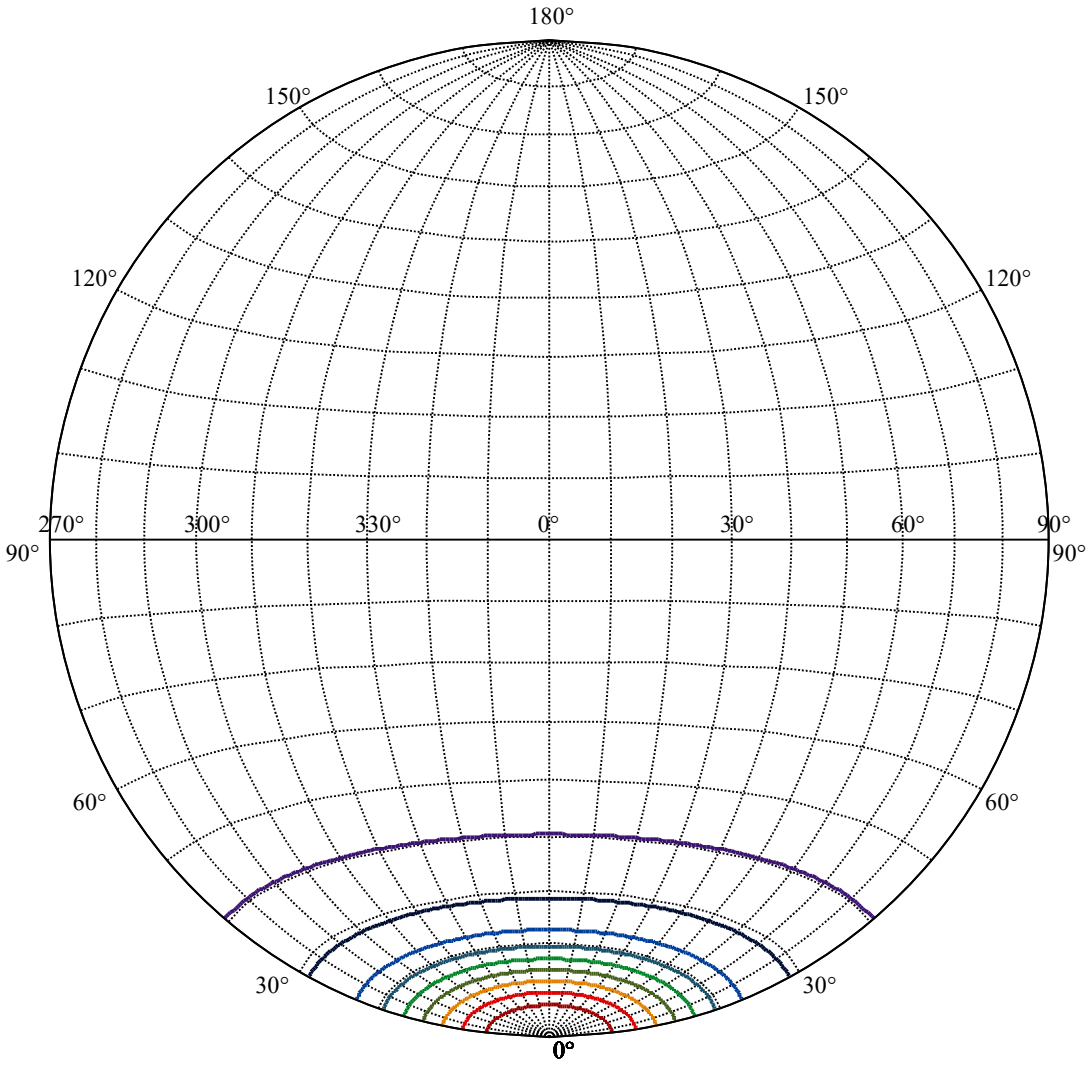
Max , Ave

Beam angle of C0 plane 33.89



Equipment: GMS1980
Temperature(°C): 25.0
Date: 2025/12/10
Humidity(%): 60.0%
Operator: YZQ
Distance(m): 9.28

ISO candela diagram on circular web



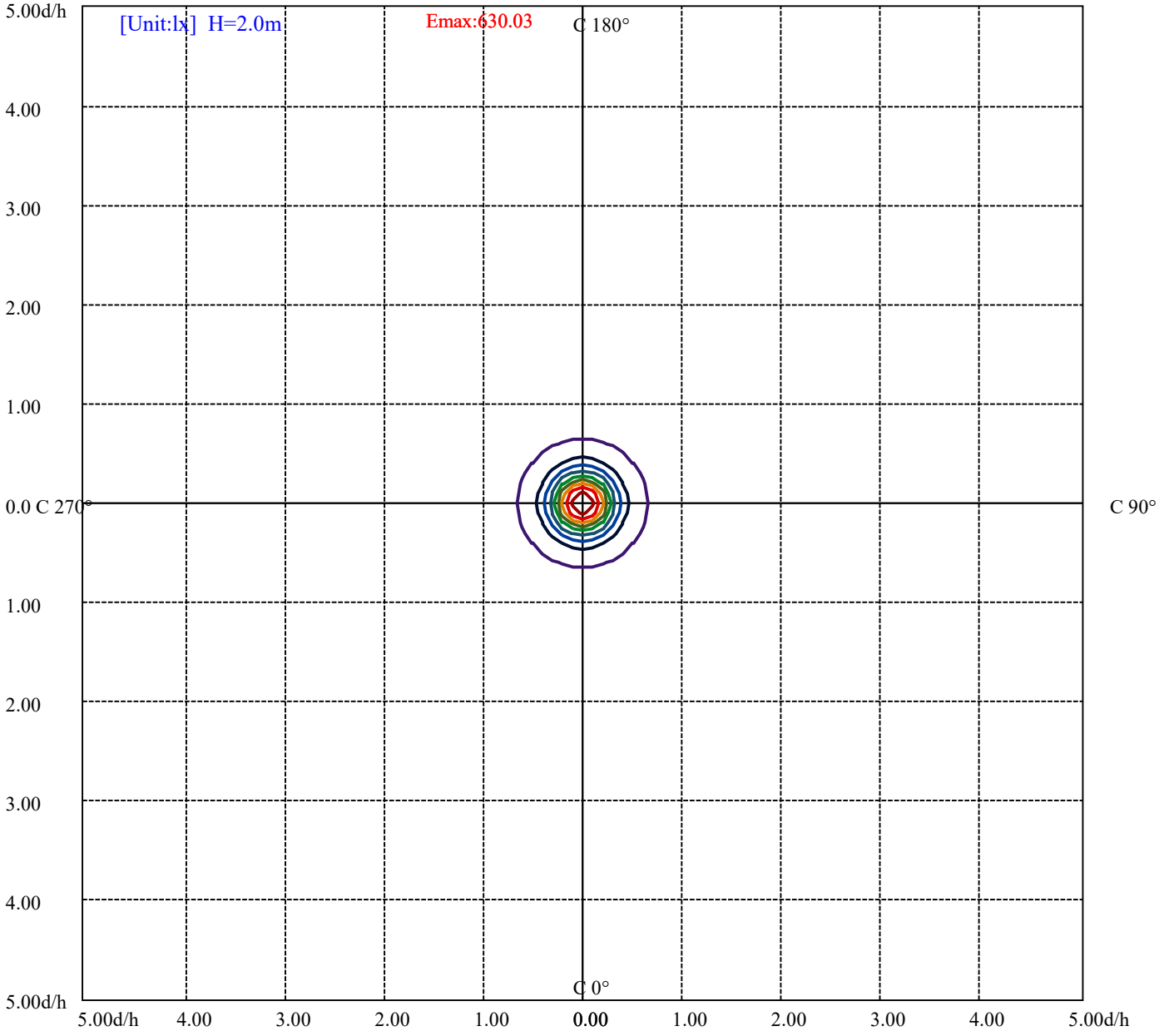
House [Unit:cd] Road

Imax:2520.13

(10%Imax) 252.013
(20%Imax) 504.025
(30%Imax) 756.038
(40%Imax) 1008.05
(50%Imax) 1260.06
(60%Imax) 1512.08
(70%Imax) 1764.09
(80%Imax) 2016.1
(90%Imax) 2268.11

NT Nata 1-1756-LM

ISO illuminance diagram

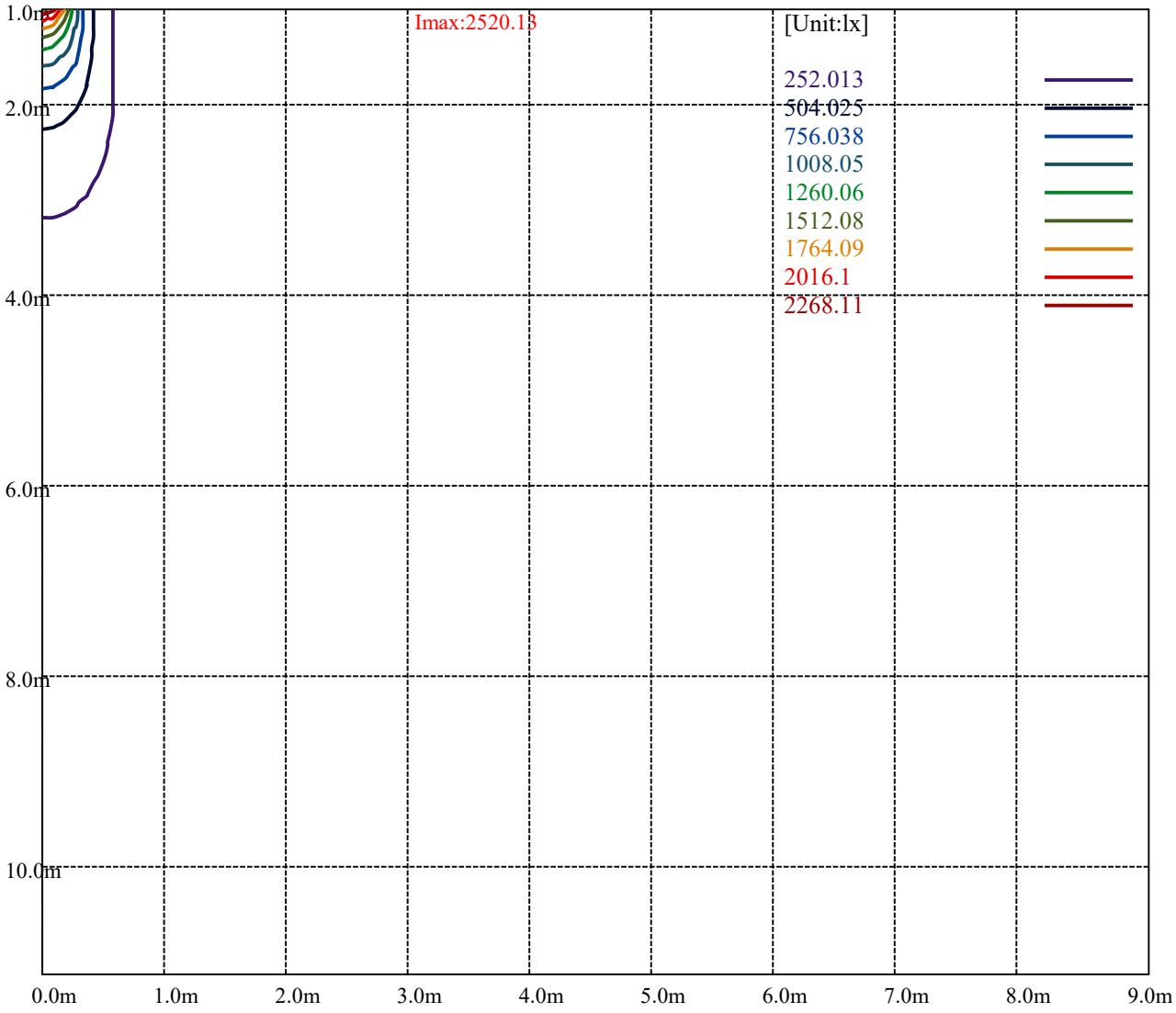


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/12/10
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/12/10
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

NT Nata 1-1756-LM

Luminance Limitting Curve(no luminous side)

Luminance Table

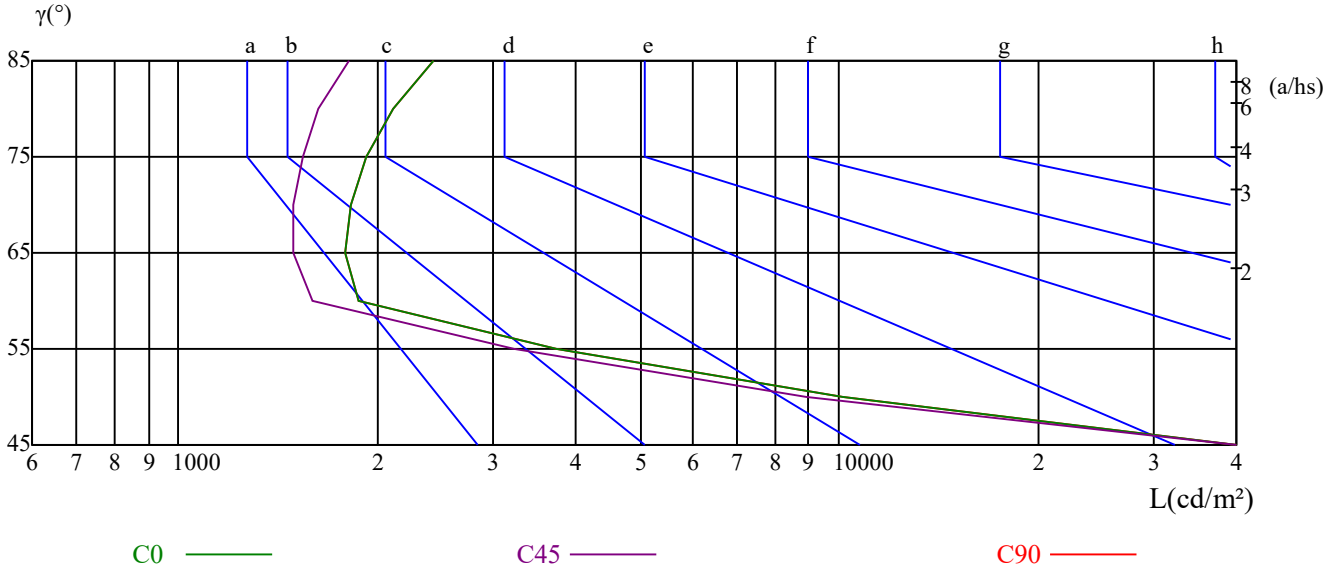
γ	45	50	55	60	65	70	75	80	85
C0	53341	10156	3723	1873	1782	1820	1930	2110	2429
C45	47500	8919	3221	1594	1489	1489	1540	1633	1808
C90	53341	10156	3723	1873	1782	1820	1930	2110	2429

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3396	3396	3396	4970	4970	4970	14151	14151	14151

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 Limitting Curve



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/12/10
Humidity(%): 60.0%

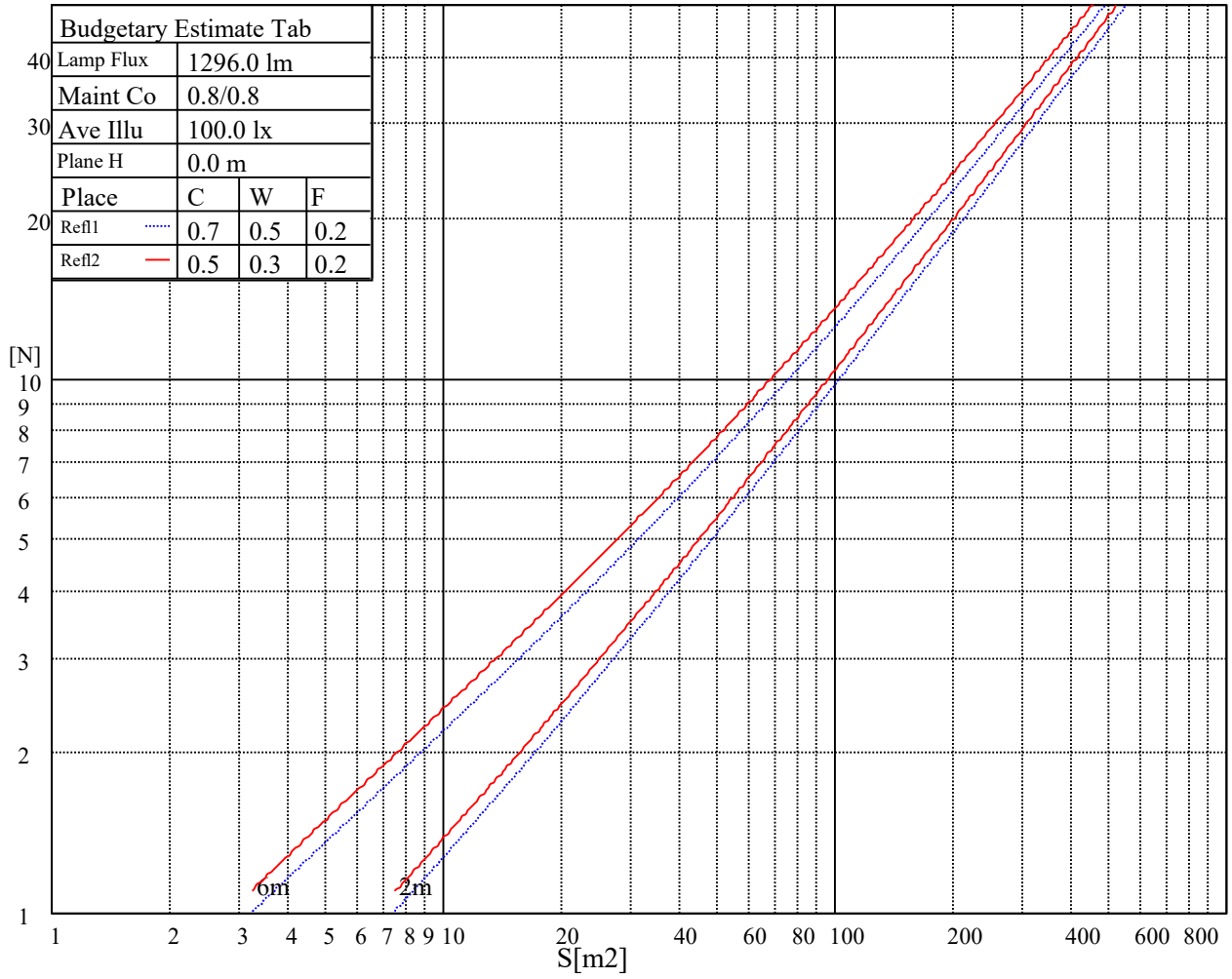
Operator: YZQ
Distance(m): 9.28

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	19.44	20.44	19.81	20.75	21.06	19.66	20.65	20.02	20.97	21.28
	3H	19.25	20.13	19.64	20.47	20.82	19.47	20.35	19.86	20.69	21.03
	4H	19.16	19.98	19.56	20.33	20.70	19.38	20.19	19.78	20.55	20.91
	6H	19.10	19.84	19.52	20.22	20.62	19.31	20.05	19.73	20.43	20.83
	8H	19.04	19.75	19.46	20.13	20.54	19.25	19.96	19.67	20.34	20.75
	12H	18.99	19.66	19.42	20.05	20.47	19.20	19.87	19.62	20.26	20.68
4H	2H	19.14	19.95	19.54	20.31	20.67	19.36	20.17	19.76	20.52	20.89
	3H	18.92	19.60	19.35	19.99	20.41	19.13	19.81	19.56	20.21	20.62
	4H	18.86	19.45	19.30	19.87	20.32	19.08	19.66	19.52	20.09	20.53
	6H	18.76	19.27	19.23	19.73	20.18	18.97	19.48	19.44	19.94	20.39
	8H	18.73	19.21	19.22	19.67	20.14	18.94	19.41	19.42	19.87	20.35
	12H	18.72	19.16	19.21	19.61	20.13	18.92	19.36	19.41	19.81	20.33
8H	4H	18.67	19.15	19.16	19.61	20.08	18.89	19.36	19.37	19.82	20.29
	6H	18.57	18.96	19.08	19.44	19.95	18.78	19.17	19.28	19.65	20.16
	8H	18.60	18.93	19.13	19.45	19.95	18.80	19.13	19.34	19.65	20.15
	12H	18.61	18.87	19.15	19.38	19.91	18.80	19.06	19.35	19.58	20.10
12H	4H	18.62	19.06	19.11	19.52	20.04	18.84	19.27	19.33	19.73	20.25
	6H	18.56	18.89	19.09	19.41	19.91	18.77	19.10	19.30	19.62	20.12
	8H	18.56	18.82	19.10	19.33	19.86	18.76	19.02	19.30	19.54	20.06

Variation with the observer position at spacings:		
S = 1.0H	3.4/-14.3	3.4/-14.3
S = 1.5H	6.0/-13.7	6.0/-13.7
S = 2.0H	8.0/-12.5	8.0/-12.5
Standard tables:	BK0	BK0
Uncorrected UGR	2.1	2.1

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

Budgetary Estimate Table



Equipment: GMS1980 Date: 2025/12/10 Operator: YZQ
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.28

Utilization factor table for indoor luminaire

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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.16	1.16	1.16	1.13	1.13	1.13	1.08	1.08	1.08	1.04	1.04	1.04	1.00	1.00	1.00	0.98
1	1.08	1.06	1.04	1.06	1.04	1.02	1.02	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92
2	1.01	0.97	0.94	1.00	0.96	0.93	0.96	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.86
3	0.95	0.90	0.87	0.94	0.89	0.86	0.91	0.87	0.85	0.89	0.86	0.83	0.87	0.84	0.82	0.81
4	0.89	0.84	0.80	0.88	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.76
5	0.84	0.79	0.75	0.83	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.71
6	0.79	0.74	0.70	0.79	0.74	0.70	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.67
7	0.75	0.70	0.66	0.75	0.69	0.66	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.63
8	0.71	0.66	0.62	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.60
9	0.68	0.62	0.59	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.61	0.58	0.65	0.61	0.58	0.57
10	0.65	0.59	0.56	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.55	0.54

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	2513.02	2483.74	2451.02	2407.96	2354.56	2271.03	2191.80	2102.24	1973.92
45.0	2531.11	2519.05	2493.21	2463.07	2423.46	2362.31	2302.89	2215.91	2136.68
90.0	2513.88	2486.32	2455.32	2415.71	2355.42	2296.86	2211.61	2134.10	2047.98
135.0	2522.49	2507.85	2483.74	2441.54	2397.62	2344.23	2280.50	2187.49	2101.38
180.0	2513.02	2526.80	2533.69	2532.83	2523.36	2506.99	2484.60	2444.99	2402.79
225.0	2531.11	2536.27	2531.11	2519.05	2500.10	2472.55	2426.90	2380.40	2324.42
270.0	2513.88	2527.66	2533.69	2531.97	2520.77	2503.55	2478.57	2437.24	2393.32
315.0	2522.49	2531.11	2531.11	2524.22	2510.44	2488.91	2451.02	2411.40	2347.67
360.0	2513.02	2483.74	2451.02	2407.96	2354.56	2271.03	2191.80	2102.24	1973.92

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1706.95	1706.95	1584.15	1460.83	1338.28	1192.40	1085.78	987.09	898.04
45.0	2047.98	1951.53	1848.19	1712.98	1600.17	1485.63	1374.54	1242.77	1142.88
90.0	1954.97	1695.84	1695.84	1617.48	1511.64	1381.43	1282.65	1187.31	1096.80
135.0	1979.95	1873.16	1762.07	1616.53	1498.55	1381.43	1269.47	1139.43	1042.98
180.0	2334.76	2267.58	2189.22	2076.40	1973.06	1861.10	1743.12	1619.97	1464.96
225.0	2257.25	2160.80	2072.96	1977.36	1710.91	1710.91	1628.33	1490.28	1382.03
270.0	2341.65	2280.50	2192.66	2112.57	2023.87	1904.16	1803.41	1674.23	1569.16
315.0	2284.81	2210.75	2103.10	2006.64	1704.11	1704.11	1646.76	1531.27	1416.73
360.0	1706.95	1706.95	1584.15	1460.83	1338.28	1192.40	1085.78	987.09	898.04

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	801.50	735.28	678.10	618.33	579.23	546.51	518.35	488.81	469.52
45.0	1049.01	942.22	867.30	782.04	723.48	670.95	614.97	577.08	544.35
90.0	992.26	915.87	828.89	766.97	712.11	653.47	612.30	576.05	545.13
135.0	954.28	875.91	789.79	728.65	676.12	620.14	581.39	540.91	513.35
180.0	1344.39	1228.13	1117.90	991.31	902.61	807.88	741.57	684.73	625.31
225.0	1276.45	1150.37	1056.24	968.75	890.03	802.80	742.25	689.46	643.56
270.0	1464.96	1364.20	1241.91	1147.18	1060.20	980.11	888.83	823.38	763.96
315.0	1276.96	1169.66	1068.56	974.77	890.89	798.58	735.28	667.85	622.21
360.0	801.50	735.28	678.10	618.33	579.23	546.51	518.35	488.81	469.52

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	449.11	434.81	421.98	407.94	398.04	389.00	377.89	356.96	335.09
45.0	517.66	488.38	468.57	450.49	434.98	434.98	402.95	389.51	372.81
90.0	511.46	487.77	466.59	448.16	428.09	413.97	399.16	373.67	348.18
135.0	490.10	466.85	448.76	434.12	434.12	417.07	393.47	380.47	362.82
180.0	585.69	552.97	518.52	495.27	477.18	459.96	441.01	434.12	434.12
225.0	594.48	561.32	532.73	502.24	481.32	458.49	442.65	428.70	413.80
270.0	710.56	653.72	614.97	572.77	543.49	517.66	489.24	469.43	451.35
315.0	583.02	542.03	514.56	490.79	465.56	448.42	433.95	420.69	406.22
360.0	449.11	434.81	421.98	407.94	398.04	389.00	377.89	356.96	335.09

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	310.28	281.52	243.54	210.56	178.01	137.36	106.61	77.85	48.31
45.0	345.42	318.72	281.95	249.57	218.48	176.71	143.99	112.82	84.05
90.0	320.27	282.81	251.04	219.86	178.01	147.00	117.12	87.75	56.67
135.0	339.31	307.10	278.08	247.42	206.77	175.77	137.01	107.56	79.66
180.0	404.84	394.77	386.76	373.84	349.47	326.56	299.18	260.68	226.92
225.0	403.46	392.70	377.28	351.19	325.61	297.37	265.68	224.25	190.15
270.0	435.85	435.85	404.07	385.90	362.82	330.26	301.07	268.34	236.14
315.0	396.49	386.84	373.06	348.35	324.15	297.37	260.42	228.13	189.20
360.0	310.28	281.52	243.54	210.56	178.01	137.36	106.61	77.85	48.31

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	29.88	18.17	10.59	9.73	8.87	8.18	7.49	6.89	6.29
45.0	52.27	32.64	19.46	12.06	10.16	9.13	8.35	7.41	6.80
90.0	35.91	21.27	13.26	11.11	9.99	8.96	8.01	7.23	6.11
135.0	48.92	29.71	17.74	11.20	9.73	8.70	8.01	7.32	6.46
180.0	193.51	151.48	119.45	89.22	63.04	37.72	22.39	13.35	10.33
225.0	157.08	116.52	87.41	55.55	35.39	21.62	13.78	11.45	10.51
270.0	193.85	161.13	122.37	92.15	66.57	39.87	24.72	16.45	14.04
315.0	157.60	125.65	97.06	63.04	41.60	24.80	15.59	11.88	11.11
360.0	29.88	18.17	10.59	9.73	8.87	8.18	7.49	6.89	6.29

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	5.08	3.44	3.36	3.27	3.19	3.10	3.01	2.93	2.93
45.0	6.20	4.65	3.53	3.36	3.27	3.19	3.10	3.10	2.93
90.0	4.56	3.70	3.53	3.36	3.27	3.10	3.01	3.01	2.93
135.0	5.60	3.88	3.36	3.27	3.19	3.10	3.01	3.01	2.93
180.0	9.21	8.53	7.84	7.15	6.46	4.74	3.53	3.36	3.27
225.0	9.82	9.21	8.44	7.75	5.94	3.62	3.44	3.27	3.19
270.0	13.00	12.23	11.45	10.76	9.82	7.49	3.88	3.62	3.44
315.0	10.42	9.82	9.47	9.04	7.23	3.44	3.27	3.19	3.10
360.0	5.08	3.44	3.36	3.27	3.19	3.10	3.01	2.93	2.93

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2.84	2.84	2.84	2.84	2.76	2.67	2.76	2.67	2.67
45.0	2.93	2.93	2.84	2.84	2.76	2.76	2.76	2.76	2.67
90.0	2.93	2.84	2.84	2.76	2.76	2.67	2.67	2.67	2.58
135.0	2.84	2.84	2.76	2.76	2.76	2.67	2.67	2.67	2.58
180.0	3.19	3.10	3.01	3.01	2.93	2.84	2.84	2.76	2.76
225.0	3.10	3.01	2.93	2.93	2.93	2.84	2.84	2.76	2.76
270.0	3.36	3.19	3.10	3.01	2.93	2.84	2.84	2.76	2.76
315.0	3.10	2.93	2.93	2.93	2.84	2.76	2.76	2.76	2.76
360.0	2.84	2.84	2.84	2.84	2.76	2.67	2.76	2.67	2.67

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.67	2.67	2.67	2.58	2.58	2.58	2.58	2.58	2.50
45.0	2.67	2.67	2.58	2.58	2.58	2.58	2.58	2.50	2.50
90.0	2.58	2.58	2.58	2.58	2.50	2.50	2.50	2.50	2.50
135.0	2.58	2.58	2.58	2.50	2.58	2.50	2.50	2.50	2.50
180.0	2.76	2.76	2.67	2.67	2.67	2.58	2.67	2.58	2.58
225.0	2.67	2.67	2.67	2.67	2.58	2.58	2.58	2.58	2.58
270.0	2.76	2.67	2.67	2.67	2.58	2.58	2.58	2.50	2.50
315.0	2.67	2.67	2.58	2.58	2.58	2.58	2.58	2.58	2.50
360.0	2.67	2.67	2.67	2.58	2.58	2.58	2.58	2.58	2.50

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.50	2.58	2.58	2.58	2.50	2.41	2.41	2.41	2.50
45.0	2.50	2.50	2.50	2.50	2.50	2.41	2.41	2.41	2.41
90.0	2.50	2.50	2.50	2.41	2.41	2.41	2.41	2.41	2.41
135.0	2.50	2.50	2.41	2.50	2.50	2.50	2.41	2.41	2.41
180.0	2.58	2.58	2.58	2.58	2.58	2.50	2.58	2.50	2.58
225.0	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.41
270.0	2.50	2.50	2.50	2.50	2.50	2.50	2.41	2.41	2.41
315.0	2.50	2.50	2.50	2.50	2.50	2.50	2.41	2.41	2.50
360.0	2.50	2.58	2.58	2.58	2.50	2.41	2.41	2.41	2.50

Intensity data(cd)

C/γ(°)	90.0
0.0	2.50
45.0	2.41
90.0	2.41
135.0	2.33
180.0	2.50
225.0	2.41
270.0	2.41
315.0	2.41
360.0	2.50