NATA LIGHTNG CO.,LTD.
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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,Ching

Nata

LumCAT: 2-2430-M
Luminaire: 99.70.131.00
Report No: 220816-B006
Test No: 220816-C006
LampCAT: CITIZEN CLU038
Lamp flux(lm): 2249.0
Number of Lamps: 1
Length(mm): 43
Phm Type: C

Voltage(V): 35.4500
Current(A): 0.4810
Power (W): 17.0510
PF: 0.0000
Ballast type: DC
Width(mm): 43
Height(mm): 0

Photometric Results

Lumens(lm): 1889.28
Efficiency(%): 84.01%
Lumens(lm)/Power(W): 110.80
Central intensity(cd): 6819.747
Maximum intensity(cd): 6819.747
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=23.8
[C90/270]Total=23.8
Field angle(10%Imax): [C0/180]Total=56.4
[C90/270]Total=56.4
Maximum s/h(1/2): C0_180=0.40 C90_270=0.40
Maximum s/h(1/4): C0_180=0.45 C90_270=0.45
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.01%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.959%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6819.748	0.000	0	.000%	.000%
1.0	6783.971	6.509	6.509	.289%	.345%
2.0	6668.050	19.308	25.817	.859%	1.366%
3.0	6476.916	31.438	57.255	1.398%	3.031%
4.0	6230.659	42.536	99.791	1.891%	5.282%
5.0	5922.110	52.281	152.072	2.325%	8.049%
6.0	5544.994	60.263	212.335	2.680%	11.239%
7.0	5182.892	66.588	278.923	2.961%	14.763%
8.0	4817.951	71.574	350.497	3.183%	18.552%
9.0	4413.723	74.818	425.314	3.327%	22.512%
10.0	4046.317	76.560	501.875	3.404%	26.564%
11.0	3711.477	77.516	579.391	3.447%	30.667%
12.0	3382.612	77.549	656.939	3.448%	34.772%
13.0	3065.174	76.519	733.458	3.402%	38.822%
14.0	2796.884	75.034	808.492	3.336%	42.794%
15.0	2544.801	73.333	881.825	3.261%	46.675%
16.0	2326.778	71.382	953.208	3.174%	50.453%
17.0	2105.393	69.021	1022.228	3.069%	54.107%
18.0	1928.002	66.502	1088.73	2.957%	57.627%
19.0	1772.196	64.376	1153.106	2.862%	61.034%
20.0	1617.138	62.034	1215.14	2.758%	64.318%
21.0	1463.505	59.155	1274.295	2.630%	67.449%
22.0	1346.913	56.477	1330.772	2.511%	70.438%
23.0	1208.958	53.629	1384.401	2.385%	73.277%
24.0	1119.590	50.910	1435.311	2.264%	75.971%
25.0	1020.893	48.670	1483.981	2.164%	78.547%
26.0	920.464	45.826	1529.807	2.038%	80.973%
27.0	814.671	42.450	1572.257	1.888%	83.220%
28.0	701.723	38.392	1610.649	1.707%	85.252%
29.0	598.806	34.026	1644.675	1.513%	87.053%
30.0	506.817	29.852	1674.526	1.327%	88.633%
31.0	416.508	25.695	1700.221	1.143%	89.993%
32.0	335.102	21.533	1721.754	.957%	91.133%
33.0	261.598	17.579	1739.333	.782%	92.063%
34.0	206.924	14.179	1753.512	.630%	92.814%
35.0	147.425	11.005	1764.517	.489%	93.396%
36.0	119.424	8.497	1773.013	.378%	93.846%
37.0	102.065	7.224	1780.237	.321%	94.228%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	89.443	6.392	1786.629	.284%	94.567%
39.0	78.560	5.734	1792.363	.255%	94.870%
40.0	69.799	5.174	1797.538	.230%	95.144%
41.0	62.509	4.711	1802.249	.209%	95.393%
42.0	55.757	4.297	1806.546	.191%	95.621%
43.0	50.245	3.927	1810.473	.175%	95.829%
44.0	45.562	3.616	1814.089	.161%	96.020%
45.0	41.476	3.345	1817.434	.149%	96.197%
46.0	37.719	3.097	1820.531	.138%	96.361%
47.0	34.649	2.878	1823.409	.128%	96.513%
48.0	32.005	2.695	1826.103	.120%	96.656%
49.0	29.757	2.536	1828.64	.113%	96.790%
50.0	27.606	2.392	1831.031	.106%	96.917%
51.0	25.948	2.266	1833.297	.101%	97.037%
52.0	24.551	2.167	1835.464	.096%	97.151%
53.0	23.281	2.081	1837.545	.093%	97.262%
54.0	22.206	2.005	1839.55	.089%	97.368%
55.0	21.362	1.945	1841.494	.086%	97.471%
56.0	20.622	1.897	1843.392	.084%	97.571%
57.0	20.010	1.858	1845.249	.083%	97.669%
58.0	19.577	1.831	1847.08	.081%	97.766%
59.0	19.323	1.819	1848.899	.081%	97.863%
60.0	19.143	1.817	1850.716	.081%	97.959%
61.0	18.957	1.818	1852.534	.081%	98.055%
62.0	18.815	1.820	1854.354	.081%	98.151%
63.0	18.419	1.811	1856.165	.081%	98.247%
64.0	17.694	1.772	1857.937	.079%	98.341%
65.0	16.932	1.714	1859.651	.076%	98.432%
66.0	16.044	1.645	1861.296	.073%	98.519%
67.0	15.207	1.571	1862.867	.070%	98.602%
68.0	14.386	1.499	1864.366	.067%	98.681%
69.0	13.713	1.433	1865.8	.064%	98.757%
70.0	13.228	1.384	1867.183	.062%	98.830%
71.0	12.705	1.340	1868.524	.060%	98.901%
72.0	12.339	1.302	1869.826	.058%	98.970%
73.0	12.055	1.276	1871.102	.057%	99.038%
74.0	11.749	1.251	1872.353	.056%	99.104%
75.0	11.450	1.226	1873.579	.055%	99.169%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.174	1.201	1874.78	.053%	99.232%
77.0	10.912	1.178	1875.957	.052%	99.295%
78.0	10.643	1.154	1877.111	.051%	99.356%
79.0	10.375	1.129	1878.241	.050%	99.416%
80.0	10.113	1.105	1879.345	.049%	99.474%
81.0	9.897	1.082	1880.427	.048%	99.531%
82.0	9.687	1.062	1881.489	.047%	99.588%
83.0	9.456	1.041	1882.53	.046%	99.643%
84.0	9.239	1.018	1883.548	.045%	99.697%
85.0	9.045	0.998	1884.546	.044%	99.749%
86.0	8.851	0.978	1885.524	.043%	99.801%
87.0	8.687	0.960	1886.484	.043%	99.852%
88.0	8.545	0.944	1887.428	.042%	99.902%
89.0	8.403	0.929	1888.357	.041%	99.951%
90.0	8.455	0.924	1889.281	.041%	100.000%

Zonal flux distribution table

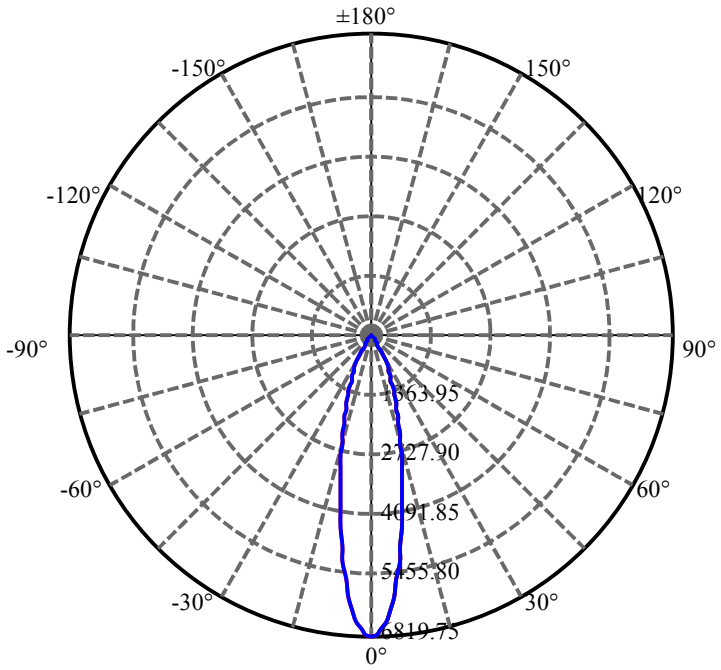
ZONAL LUMEN SUMMARY

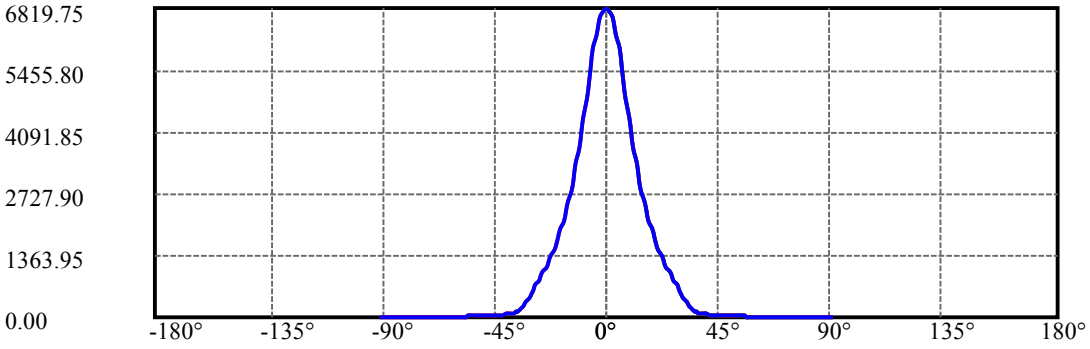
Zone	Lumens	%Lamp	%Fixt
0-30	1674.53	74.46%	88.63%
0-40	1797.54	79.93%	95.14%
0-60	1850.72	82.29%	97.96%
0-90	1888.36	83.97%	99.95%
0-120	1888.36	83.97%	99.95%
0-180	1889.28	84.01%	100.00%
60-90	39.46	1.75%	2.09%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.60	1511.43	67.21%	80.00%

ZONAL LUMEN SUMMARY

0-10	501.87
10-20	713.27
20-30	459.39
30-40	123.01
40-50	33.49
50-60	19.68
60-70	16.47
70-80	12.16
80-90	9.01
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

Light Distribution Curve [Unit:cd]





C0(Max):

C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:28.2 Right:28.2
:C90/270Left:28.2 Right:28.2

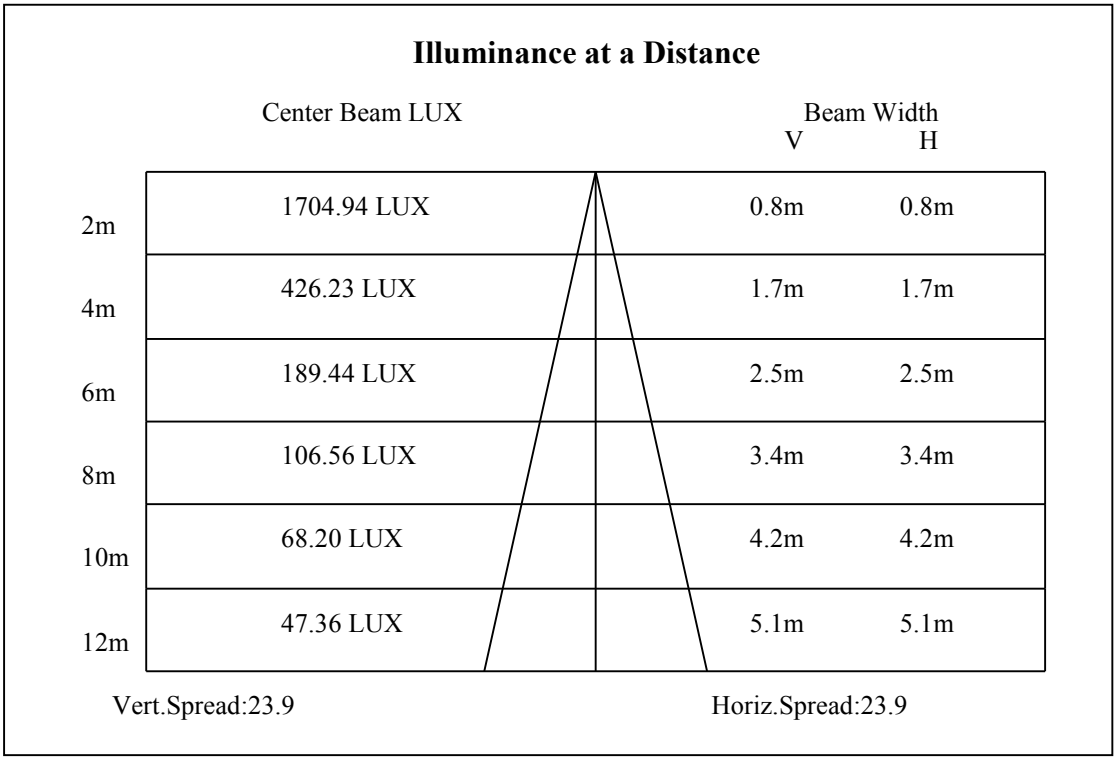
Beam Angle(50%Imax):C0/180Left:11.9 Right:11.9
:C90/270Left:11.9 Right:11.9

Equipment: GMS1980
Temperature(°C): 25.0

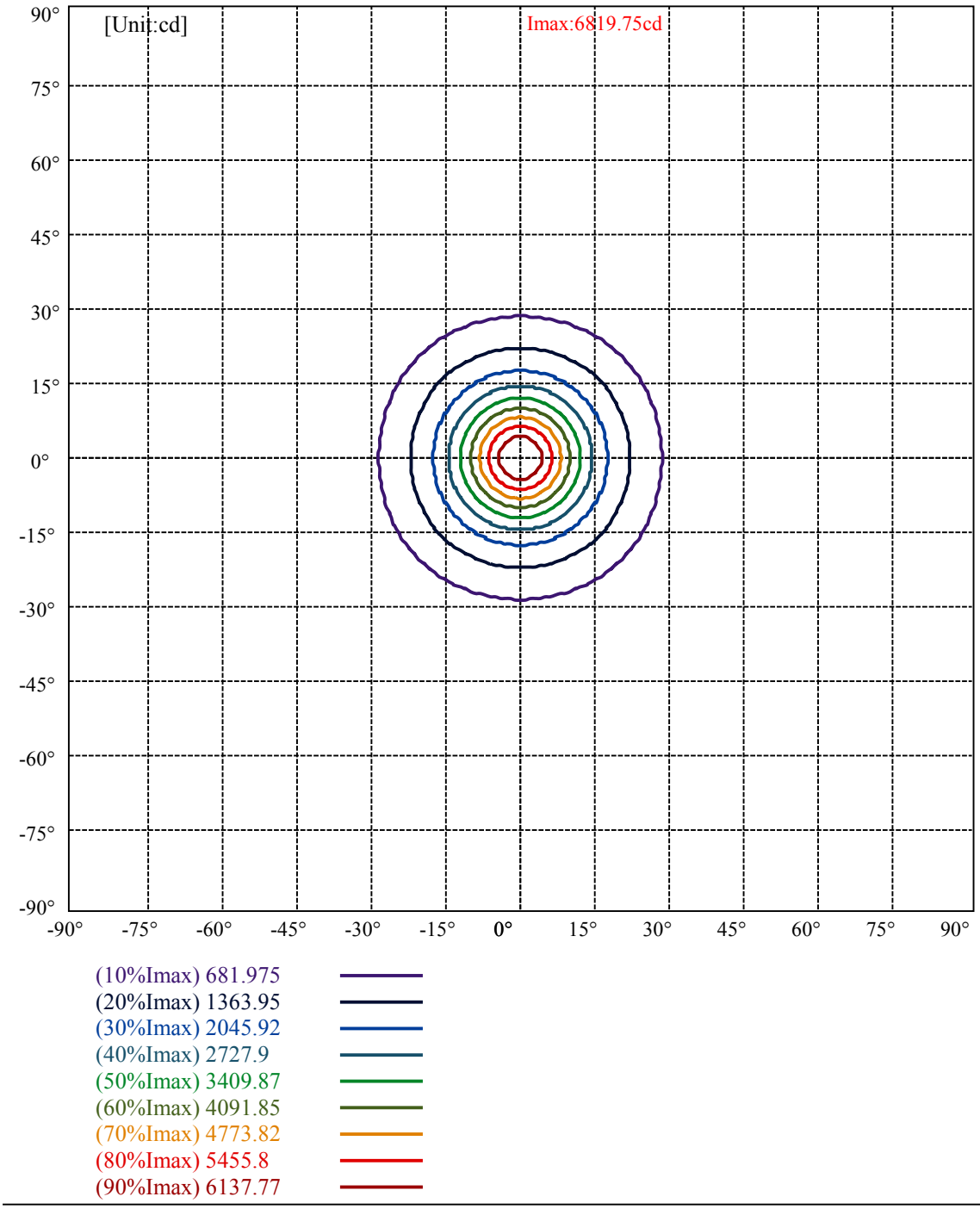
Date: 2022/8/16
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.73

Lux distance Curve



ISO-Intensity(V-H)

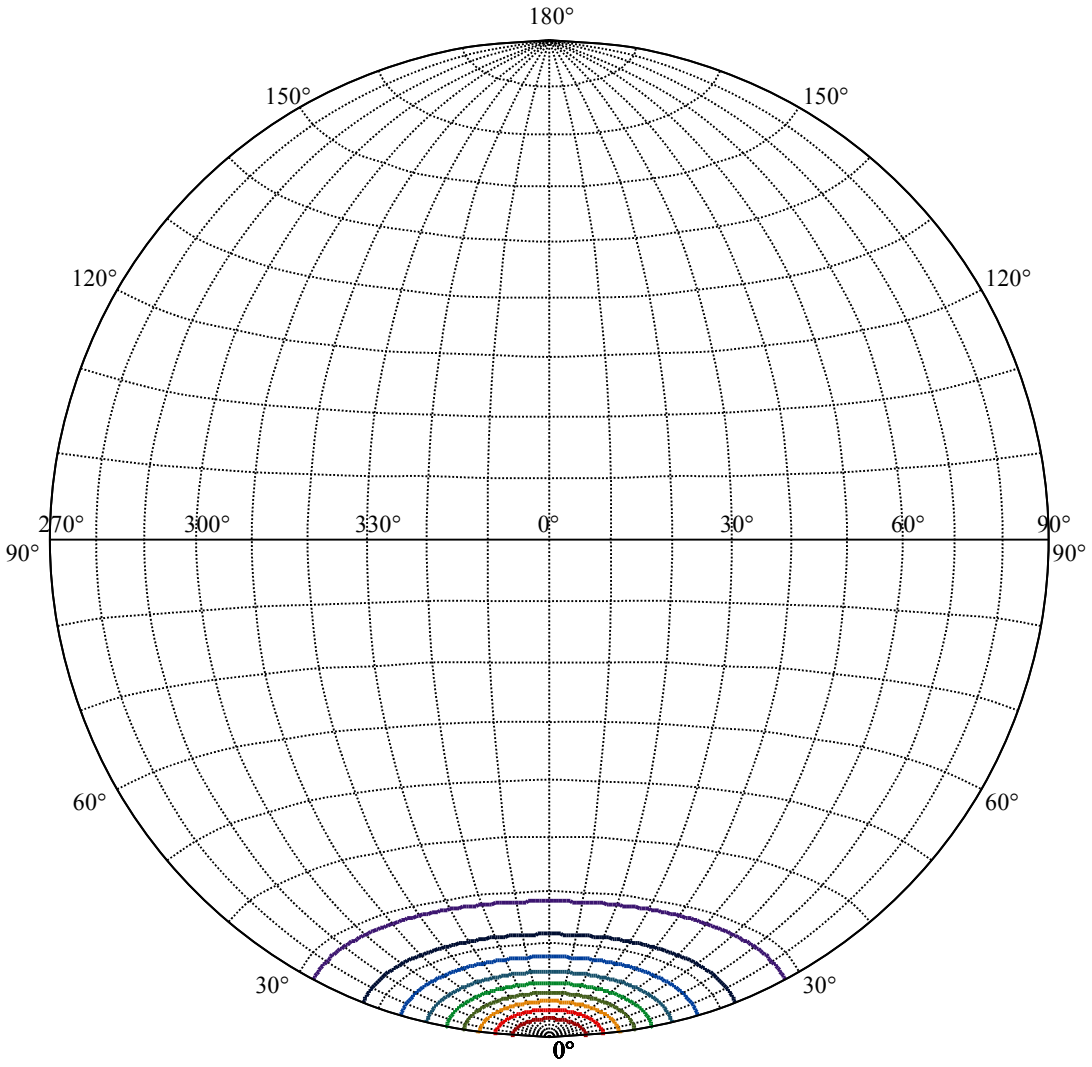


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2022/8/16
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.73

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:6819.75

(10%Imax) 681.975
(20%Imax) 1363.95
(30%Imax) 2045.92
(40%Imax) 2727.9
(50%Imax) 3409.87
(60%Imax) 4091.85
(70%Imax) 4773.82
(80%Imax) 5455.8
(90%Imax) 6137.77

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2022/8/16
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.73

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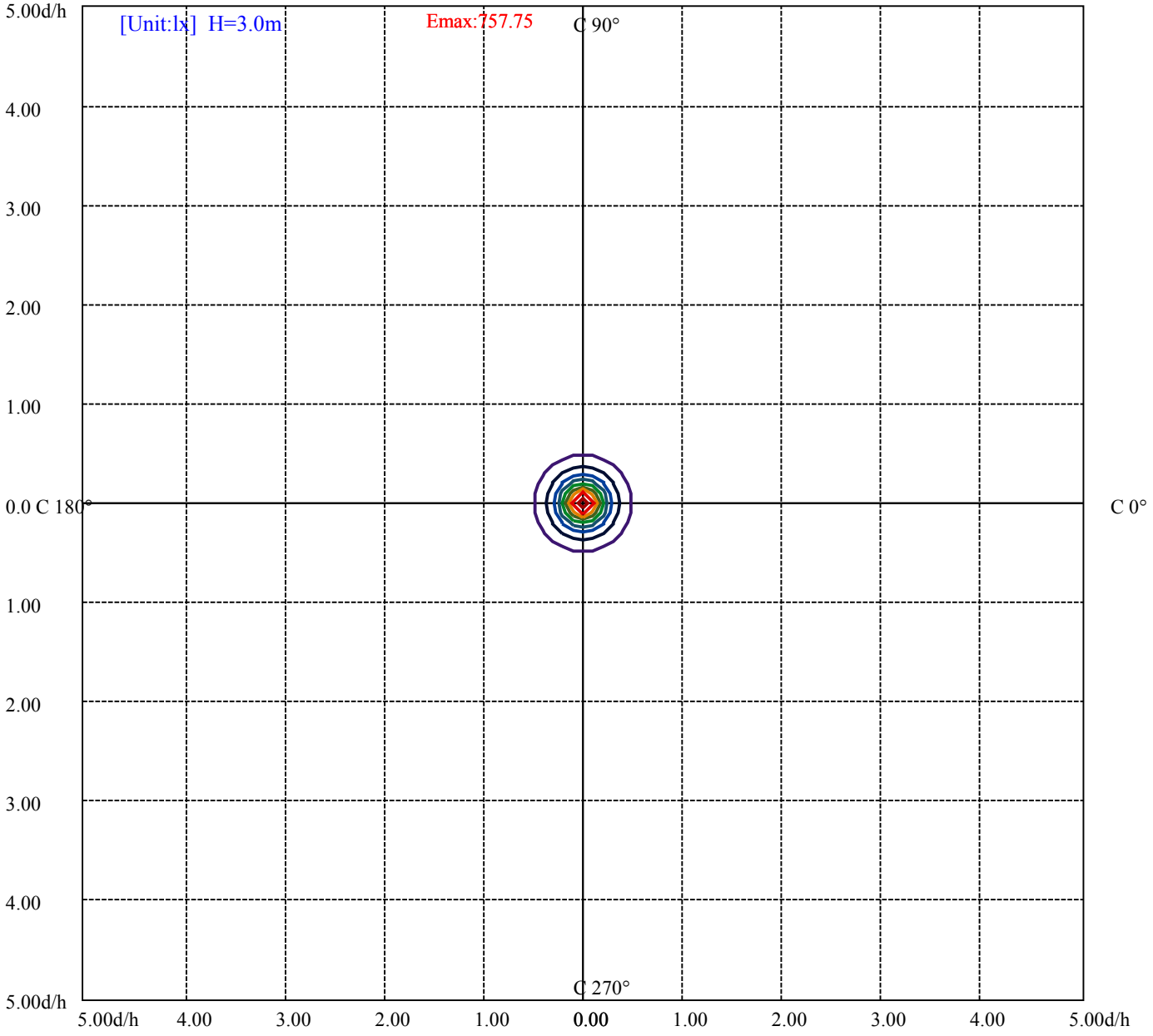
ISO illuminance diagram



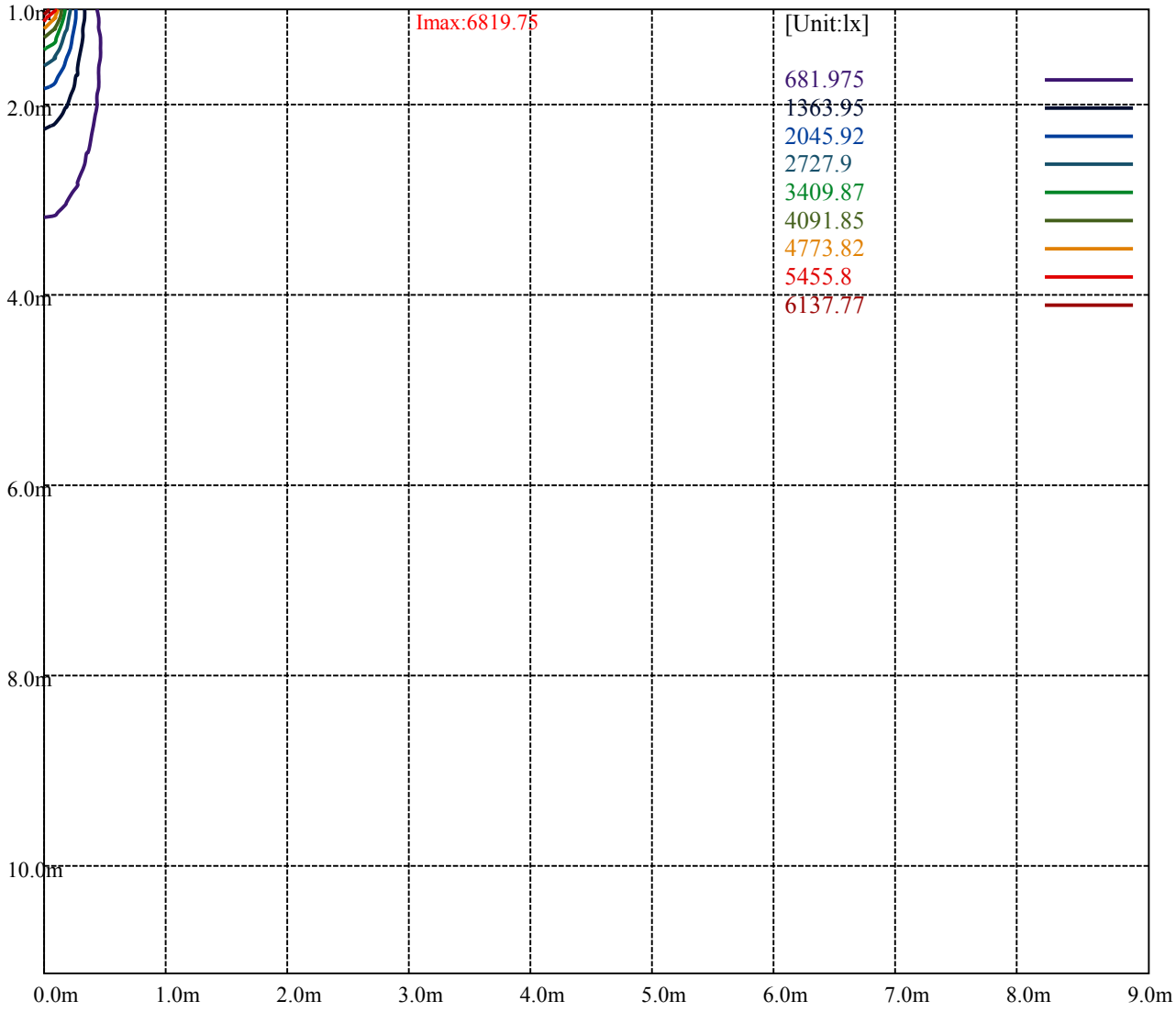
(10%Emax) 75.77489
(20%Emax) 151.55
(30%Emax) 227.3244
(40%Emax) 303.1
(50%Emax) 378.8745
(60%Emax) 454.6489
(70%Emax) 530.4244
(80%Emax) 606.1989
(90%Emax) 681.9744

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2022/8/16
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.73

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2022/8/16
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.73

Luminance Limitting Curve(no luminous side)

Luminance Table

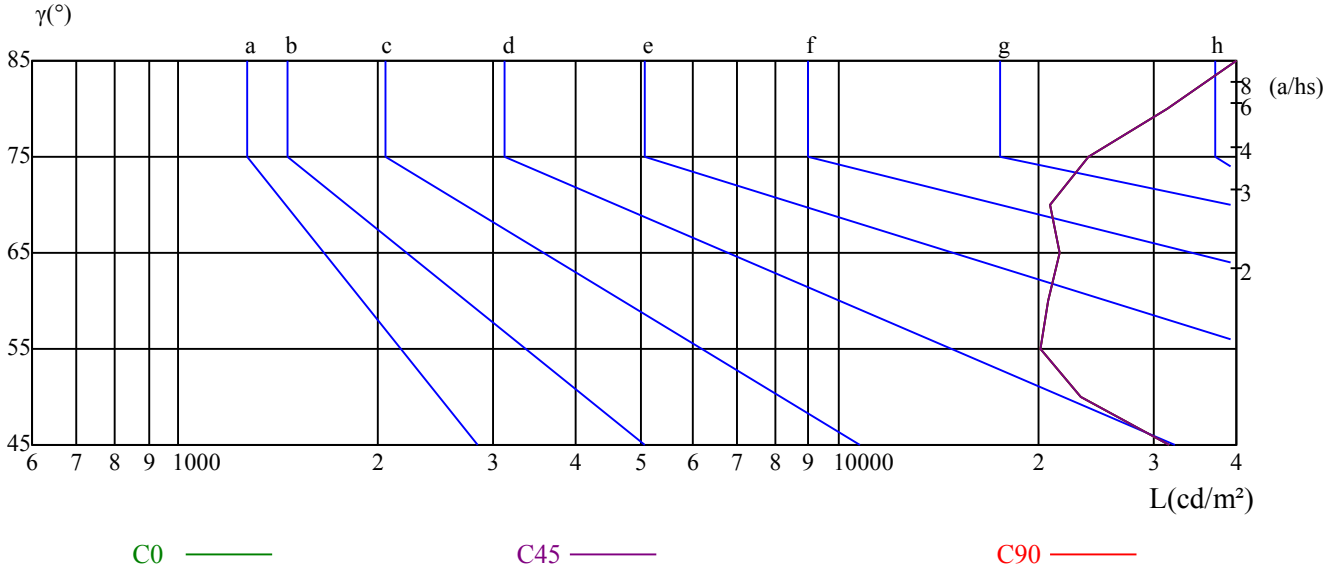
γ	45	50	55	60	65	70	75	80	85
C0	31723	23227	20142	20707	21669	20917	23926	31498	56128
C45	31723	23227	20142	20707	21669	20917	23926	31498	56128
C90	31723	23227	20142	20707	21669	20917	23926	31498	56128

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
21669	21669	21669	23926	23926	23926	56128	56128	56128

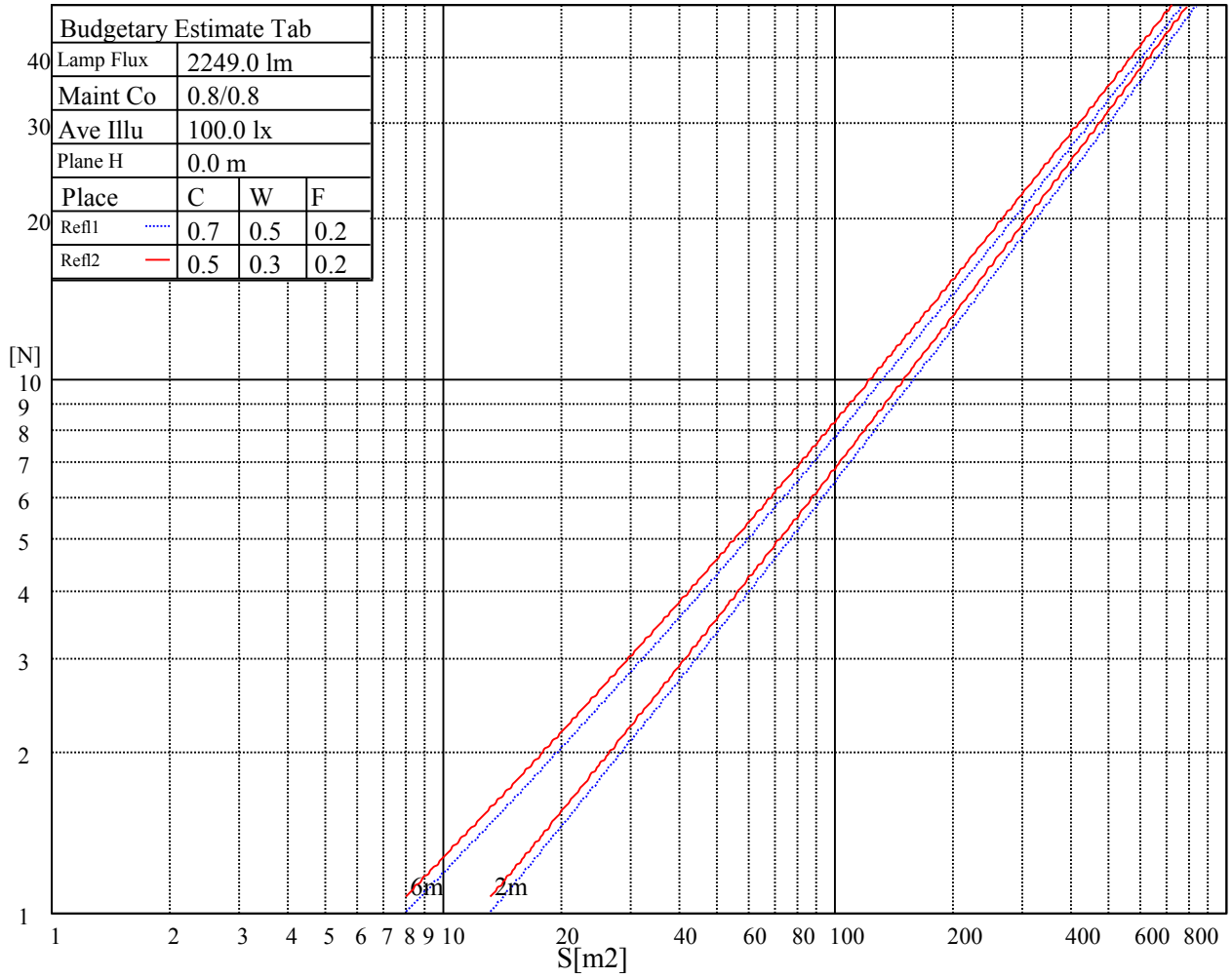
Glare Table

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



Budgetary Estimate Table

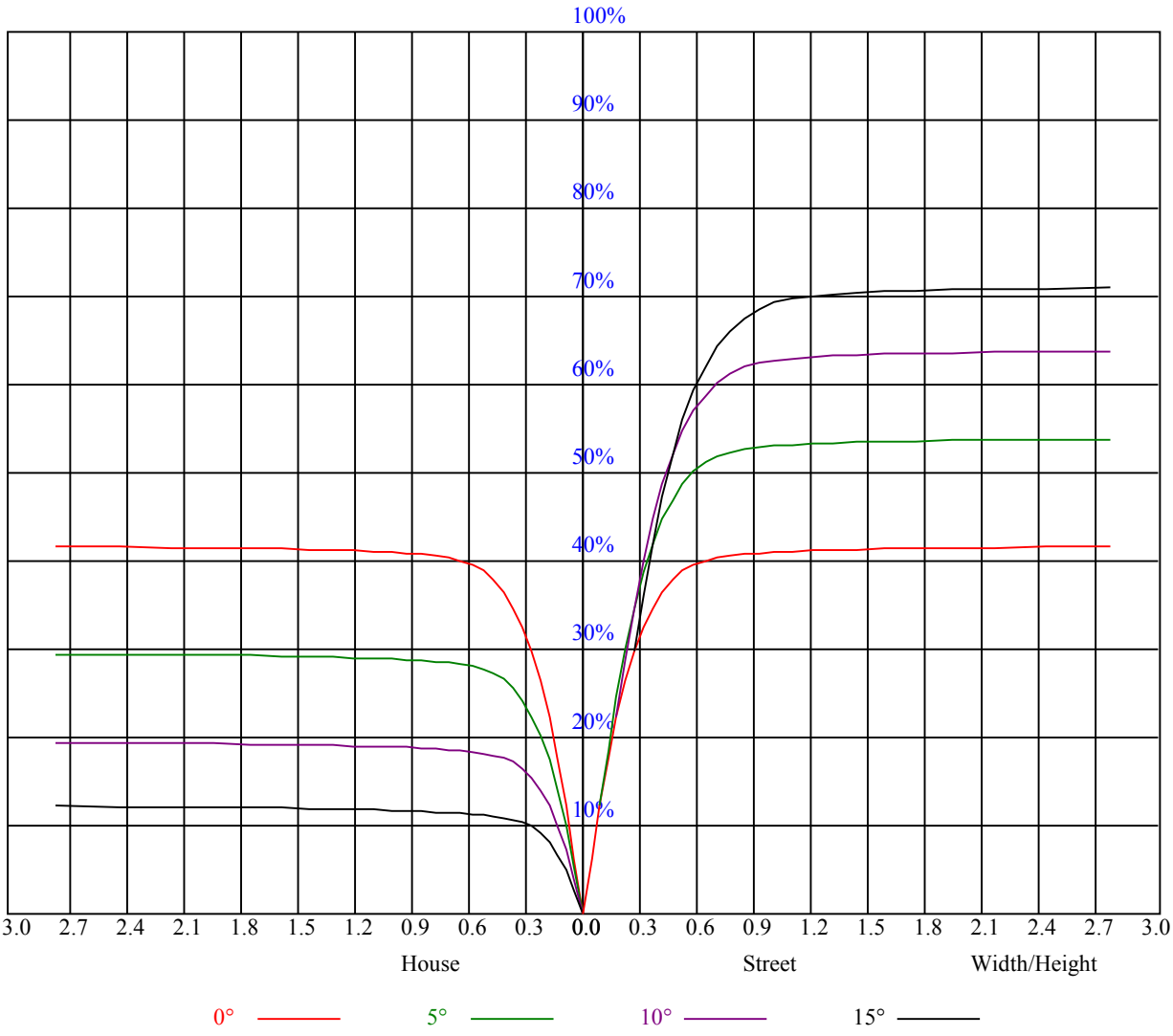


Equipment: GMS1980 Date: 2022/8/16 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.73

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	1.00	1.00	1.00	0.98	0.98	0.98	0.93	0.93	0.93	0.89	0.89	0.89	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.90	0.89	0.89	0.87	0.86	0.86	0.84	0.84	0.83	0.82	0.81	0.80
2	0.89	0.86	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.76	0.75	0.77	0.75	0.73	0.72
4	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.66
6	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.67	0.65	0.64
7	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
8	0.67	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2022/8/16	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.73

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	6759.85	6850.07	6852.46	6783.75	6624.80	6405.51	6098.98	5730.90	5384.93
45.0	6863.82	6804.06	6657.67	6424.03	6162.32	5889.84	5405.84	5052.71	4739.00
90.0	6819.00	6697.70	6517.85	6250.75	5949.60	5572.56	5217.62	4810.11	4400.20
135.0	6836.33	6752.68	6551.91	6329.62	6049.98	5691.46	5301.87	4949.33	4548.99
180.0	6759.85	6624.21	6403.72	6083.44	5758.39	5417.20	4972.64	4612.92	4257.39
225.0	6863.82	6839.91	6764.03	6600.90	6339.78	6052.97	5684.29	5305.46	4949.93
270.0	6819.00	6854.85	6804.06	6696.51	6518.44	6191.60	5880.28	5548.06	5200.89
315.0	6836.33	6848.28	6792.71	6646.32	6441.96	6155.74	5798.42	5453.65	5062.27
360.0	6759.85	6850.07	6852.46	6783.75	6624.80	6405.51	6098.98	5730.90	5384.93

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4974.43	4572.89	4220.94	3883.94	3480.61	3196.18	2918.33	2638.09	2378.17
45.0	4244.25	3898.28	3616.84	3237.41	2933.87	2712.18	2430.75	2223.41	2021.44
90.0	4052.44	3687.35	3356.32	3071.30	2816.15	2521.57	2313.63	2124.22	1933.01
135.0	4152.83	3811.64	3465.67	3175.27	2869.93	2604.03	2388.92	2188.75	1971.25
180.0	3832.55	3527.81	3244.58	2906.98	2663.78	2443.89	2194.72	2042.95	1857.12
225.0	4595.60	4157.61	3823.59	3509.29	3150.77	2885.47	2643.47	2422.98	2175.60
270.0	4759.92	4413.95	4059.01	3693.33	3359.91	3077.87	2780.90	2515.60	2301.68
315.0	4697.77	4301.01	3904.85	3583.38	3246.38	2933.87	2687.69	2458.23	2204.88
360.0	4974.43	4572.89	4220.94	3883.94	3480.61	3196.18	2918.33	2638.09	2378.17

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2204.88	1982.00	1809.32	1670.69	1527.28	1403.60	1269.15	1155.62	1068.38
45.0	1846.96	1699.97	1553.58	1417.94	1297.24	1189.08	1074.95	984.13	883.15
90.0	1762.71	1627.07	1486.65	1349.22	1185.50	1127.54	1041.13	938.42	823.34
135.0	1820.07	1671.89	1510.55	1391.05	1271.54	1155.02	1051.05	959.63	863.43
180.0	1676.07	1563.73	1434.67	1187.35	1176.00	1087.38	982.99	869.46	768.12
225.0	1999.93	1845.77	1685.03	1534.45	1411.36	1182.21	1158.07	1065.10	955.63
270.0	2090.16	1924.64	1756.74	1603.17	1475.30	1336.67	1212.98	1119.17	1039.10
315.0	2023.23	1862.50	1700.57	1554.17	1431.08	1190.16	1166.38	1075.61	962.56
360.0	2204.88	1982.00	1809.32	1670.69	1527.28	1403.60	1269.15	1155.62	1068.38

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	976.36	846.10	740.94	642.94	531.80	446.95	369.27	305.34	211.88
45.0	772.60	663.85	566.46	470.26	383.02	310.72	258.91	173.16	127.57
90.0	723.25	627.94	513.76	429.32	349.14	258.49	195.39	147.83	117.89
135.0	752.89	640.55	547.34	452.33	362.70	313.11	205.43	157.03	125.36
180.0	670.91	554.45	467.45	387.68	302.83	226.76	169.94	128.89	108.63
225.0	851.06	730.48	621.91	534.85	450.06	353.14	280.48	214.57	151.71
270.0	896.29	791.13	700.90	584.38	485.79	414.09	320.28	302.35	181.05
315.0	874.01	759.28	631.71	552.77	466.73	357.56	293.09	226.22	155.30
360.0	976.36	846.10	740.94	642.94	531.80	446.95	369.27	305.34	211.88

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	159.24	122.97	106.18	93.04	81.56	73.26	65.55	58.62	53.30
45.0	108.15	96.02	83.71	73.74	66.15	59.51	52.52	47.74	43.56
90.0	101.82	90.29	78.75	70.09	61.55	54.43	48.52	43.92	39.62
135.0	103.31	91.18	80.37	69.85	62.08	55.81	48.94	44.58	40.39
180.0	96.14	83.30	73.85	64.83	57.18	51.45	46.55	41.35	37.82
225.0	123.27	108.15	94.65	82.52	73.68	65.31	58.74	52.52	47.20
270.0	136.06	114.90	100.80	88.85	79.35	71.52	62.98	57.18	52.10
315.0	127.39	109.71	97.22	85.57	76.84	68.78	62.26	56.05	50.49
360.0	159.24	122.97	106.18	93.04	81.56	73.26	65.55	58.62	53.30

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	48.64	43.62	40.03	36.93	34.18	31.13	29.16	27.43	25.63
45.0	39.56	36.03	33.34	30.71	28.68	26.71	25.04	23.78	22.59
90.0	36.33	33.40	30.41	28.32	26.53	24.68	23.36	22.23	21.09
135.0	36.81	33.46	31.01	28.56	26.59	25.10	23.60	22.41	21.33
180.0	34.78	31.61	29.40	27.49	25.69	24.08	22.89	21.69	20.91
225.0	43.08	39.08	35.49	32.86	30.53	28.20	26.53	25.16	23.78
270.0	46.43	42.66	39.32	35.91	33.04	30.83	28.68	27.01	25.51
315.0	46.19	41.89	38.18	35.25	32.80	30.12	28.32	26.71	25.39
360.0	48.64	43.62	40.03	36.93	34.18	31.13	29.16	27.43	25.63

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.38	23.30	22.23	21.33	20.67	20.14	19.66	19.48	19.42
45.0	21.57	20.85	20.26	19.72	19.30	19.12	19.12	18.94	18.70
90.0	20.32	19.66	19.06	18.82	18.52	18.52	18.46	18.22	18.11
135.0	20.50	19.78	19.30	18.82	18.58	18.46	18.58	18.46	18.22
180.0	20.08	19.42	19.06	18.76	18.58	18.58	18.58	18.22	17.99
225.0	22.65	21.81	20.91	20.26	19.84	19.48	19.24	19.18	19.12
270.0	24.20	23.12	22.11	21.27	20.61	20.20	19.78	19.60	19.54
315.0	23.96	22.95	22.05	21.09	20.50	20.08	19.72	19.54	19.42
360.0	24.38	23.30	22.23	21.33	20.67	20.14	19.66	19.48	19.42

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.24	18.88	18.40	17.57	16.79	15.72	14.82	14.34	13.44
45.0	18.40	17.33	16.49	15.77	14.70	14.10	13.50	12.91	12.55
90.0	17.57	16.55	15.66	14.70	14.04	13.38	12.79	12.43	12.07
135.0	17.87	16.85	16.01	15.18	14.22	13.62	12.91	12.55	12.13
180.0	17.21	16.13	15.42	14.52	13.74	13.09	12.67	12.31	12.01
225.0	18.88	18.46	17.33	16.67	15.77	14.76	14.22	13.56	13.03
270.0	19.18	18.76	18.22	17.09	16.25	15.36	14.52	13.98	13.27
315.0	19.00	18.58	17.93	16.85	16.13	15.06	14.28	13.74	13.15
360.0	19.24	18.88	18.40	17.57	16.79	15.72	14.82	14.34	13.44

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.97	12.67	12.25	11.95	11.65	11.35	11.05	10.82	10.52
45.0	12.25	11.95	11.65	11.41	11.11	10.88	10.58	10.28	10.04
90.0	11.83	11.53	11.23	10.99	10.70	10.46	10.22	9.98	9.68
135.0	11.83	11.59	11.35	10.99	10.76	10.52	10.28	9.98	9.74
180.0	11.65	11.41	11.17	10.88	10.58	10.34	10.10	9.86	9.62
225.0	12.67	12.43	12.13	11.83	11.59	11.29	11.05	10.82	10.52
270.0	12.85	12.49	12.13	11.83	11.59	11.29	10.99	10.70	10.46
315.0	12.67	12.37	12.07	11.71	11.41	11.17	10.88	10.58	10.34
360.0	12.97	12.67	12.25	11.95	11.65	11.35	11.05	10.82	10.52

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.28	10.04	9.74	9.56	9.38	9.20	8.96	8.72	8.54
45.0	9.86	9.62	9.44	9.14	8.96	8.72	8.54	8.60	8.25
90.0	9.50	9.38	9.08	8.90	8.78	8.60	8.48	8.43	8.25
135.0	9.56	9.38	9.14	8.90	8.78	8.60	8.48	8.60	8.25
180.0	9.44	9.20	9.02	8.78	8.60	8.54	8.54	8.25	8.43
225.0	10.28	10.10	9.80	9.62	9.26	8.90	8.72	8.54	8.54
270.0	10.16	9.92	9.80	9.56	9.32	9.14	8.90	8.66	8.48
315.0	10.10	9.86	9.62	9.44	9.26	9.08	8.84	8.54	8.48
360.0	10.28	10.04	9.74	9.56	9.38	9.20	8.96	8.72	8.54

Intensity data(cd)

C/γ(°)	90.0
0.0	8.54
45.0	8.54
90.0	8.43
135.0	8.54
180.0	8.37
225.0	8.31
270.0	8.43
315.0	8.48
360.0	8.54