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NT

Client:
LumCAT: 62-0013透镜
Luminaire: 92.70.429.00 Hodel
Report No: 2024506-B017
Ballast type: AC

Test No: 2024506-C017	Voltage(V): 36.540
LampCAT: CREE CXA1820	Current(A): 0.520
Lamp flux(lm): 2604.5	Power (W): 19.000
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2341.62, Efficiency(%): 89.91% , Luminous Efficacy(lm/W): 123.24
Central intensity(cd): 11863.130, Maximum intensity(cd): 11907.080
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=22.2
[C90/270]Total=22.2
Field angle(10%Imax): [C0/180]Total=41.6
[C90/270]Total=41.6
Maximum s/h(1/2): C0_180=0.38 C90_270=0.38
Maximum s/h(1/4): C0_180=0.38 C90_270=0.38
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 89.91%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 95.369%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11863.125	0.000	0	0.00%	0.00%
1.0	11907.083	11.374	11.374	0.44%	0.49%
2.0	11766.263	33.978	45.352	1.30%	1.94%
3.0	11435.326	55.491	100.842	2.13%	4.31%
4.0	11083.167	75.377	176.219	2.89%	7.53%
5.0	10585.725	93.218	269.437	3.58%	11.51%
6.0	9944.904	107.894	377.331	4.14%	16.11%
7.0	9225.882	118.993	496.324	4.57%	21.20%
8.0	8430.122	126.361	622.685	4.85%	26.59%
9.0	7600.419	129.919	752.604	4.99%	32.14%
10.0	6799.246	130.312	882.915	5.00%	37.71%
11.0	5993.611	127.827	1010.742	4.91%	43.16%
12.0	5236.257	122.759	1133.501	4.71%	48.41%
13.0	4564.126	116.306	1249.807	4.47%	53.37%
14.0	3910.137	108.470	1358.276	4.16%	58.01%
15.0	3361.781	99.832	1458.109	3.83%	62.27%
16.0	2898.502	91.731	1549.839	3.52%	66.19%
17.0	2535.012	84.614	1634.454	3.25%	69.80%
18.0	2182.611	77.783	1712.237	2.99%	73.12%
19.0	1713.780	67.789	1780.026	2.60%	76.02%
20.0	1364.145	56.335	1836.361	2.16%	78.42%
21.0	1133.171	47.954	1884.314	1.84%	80.47%
22.0	900.976	40.877	1925.191	1.57%	82.22%
23.0	694.465	33.477	1958.668	1.29%	83.65%
24.0	530.872	26.790	1985.458	1.03%	84.79%
25.0	401.150	21.192	2006.65	0.81%	85.70%
26.0	316.168	16.932	2023.583	0.65%	86.42%
27.0	266.775	14.262	2037.845	0.55%	87.03%
28.0	235.260	12.710	2050.555	0.49%	87.57%
29.0	194.339	11.240	2061.795	0.43%	88.05%
30.0	163.373	9.658	2071.453	0.37%	88.46%
31.0	146.789	8.631	2080.084	0.33%	88.83%
32.0	135.392	8.084	2088.168	0.31%	89.18%
33.0	126.709	7.722	2095.89	0.30%	89.51%
34.0	119.452	7.450	2103.339	0.29%	89.82%
35.0	111.822	7.183	2110.522	0.28%	90.13%
36.0	104.031	6.873	2117.395	0.26%	90.42%
37.0	97.747	6.581	2123.976	0.25%	90.71%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	93.197	6.373	2130.349	0.24%	90.98%
39.0	89.847	6.248	2136.597	0.24%	91.24%
40.0	85.845	6.128	2142.724	0.24%	91.51%
41.0	79.532	5.889	2148.613	0.23%	91.76%
42.0	73.395	5.556	2154.169	0.21%	91.99%
43.0	68.157	5.243	2159.413	0.20%	92.22%
44.0	64.777	5.017	2164.43	0.19%	92.43%
45.0	61.961	4.871	2169.301	0.19%	92.64%
46.0	59.847	4.764	2174.064	0.18%	92.84%
47.0	57.484	4.667	2178.731	0.18%	93.04%
48.0	55.311	4.560	2183.291	0.18%	93.24%
49.0	53.607	4.473	2187.764	0.17%	93.43%
50.0	52.612	4.429	2192.192	0.17%	93.62%
51.0	51.844	4.419	2196.611	0.17%	93.81%
52.0	50.117	4.375	2200.987	0.17%	93.99%
53.0	48.742	4.300	2205.287	0.17%	94.18%
54.0	47.389	4.237	2209.524	0.16%	94.36%
55.0	45.962	4.167	2213.691	0.16%	94.54%
56.0	44.543	4.090	2217.781	0.16%	94.71%
57.0	42.985	4.002	2221.783	0.15%	94.88%
58.0	41.471	3.906	2225.688	0.15%	95.05%
59.0	39.795	3.799	2229.487	0.15%	95.21%
60.0	38.500	3.699	2233.186	0.14%	95.37%
61.0	37.206	3.613	2236.799	0.14%	95.52%
62.0	35.874	3.521	2240.321	0.14%	95.67%
63.0	34.638	3.429	2243.75	0.13%	95.82%
64.0	33.504	3.344	2247.094	0.13%	95.96%
65.0	32.509	3.267	2250.361	0.13%	96.10%
66.0	31.844	3.211	2253.572	0.12%	96.24%
67.0	31.295	3.175	2256.746	0.12%	96.38%
68.0	31.310	3.171	2259.918	0.12%	96.51%
69.0	30.944	3.176	2263.094	0.12%	96.65%
70.0	30.732	3.168	2266.261	0.12%	96.78%
71.0	30.680	3.174	2269.435	0.12%	96.92%
72.0	30.585	3.186	2272.621	0.12%	97.05%
73.0	30.673	3.203	2275.824	0.12%	97.19%
74.0	30.849	3.234	2279.059	0.12%	97.33%
75.0	30.907	3.263	2282.321	0.13%	97.47%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	31.748	3.326	2285.648	0.13%	97.61%
77.0	33.511	3.479	2289.127	0.13%	97.76%
78.0	36.562	3.751	2292.878	0.14%	97.92%
79.0	39.569	4.090	2296.968	0.16%	98.09%
80.0	41.756	4.384	2301.353	0.17%	98.28%
81.0	42.890	4.577	2305.93	0.18%	98.48%
82.0	41.288	4.565	2310.495	0.18%	98.67%
83.0	38.237	4.323	2314.818	0.17%	98.86%
84.0	37.747	4.139	2318.958	0.16%	99.03%
85.0	37.908	4.129	2323.087	0.16%	99.21%
86.0	35.904	4.035	2327.121	0.15%	99.38%
87.0	33.321	3.789	2330.91	0.15%	99.54%
88.0	32.495	3.605	2334.515	0.14%	99.70%
89.0	32.253	3.549	2338.064	0.14%	99.85%
90.0	32.531	3.552	2341.616	0.14%	100.00%

Zonal flux distribution table

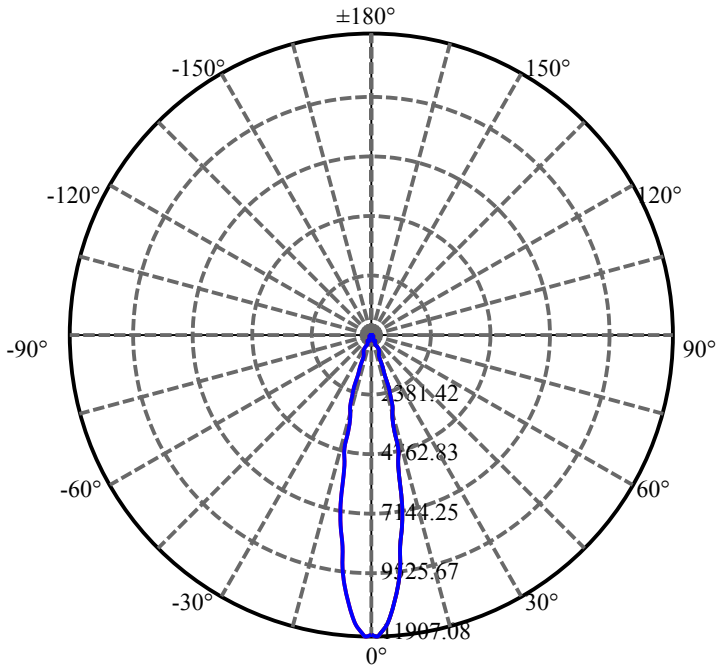
ZONAL LUMEN SUMMARY

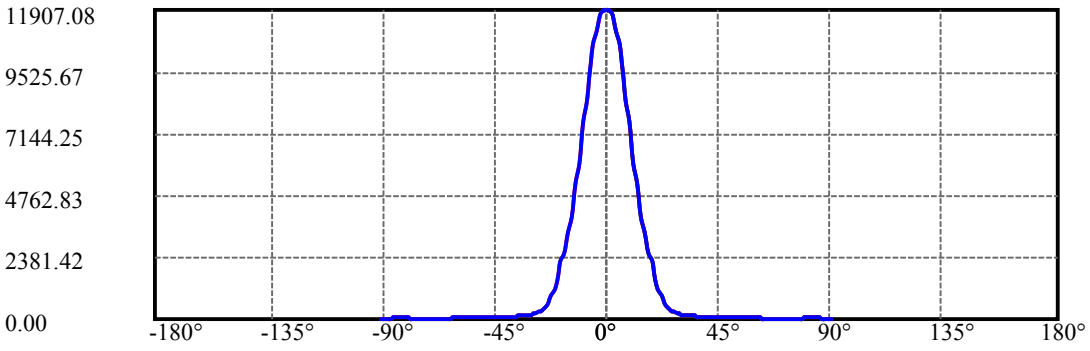
Zone	Lumens	%Lamp	%Fixt
0-30	2071.45	79.53%	88.46%
0-40	2142.72	82.27%	91.51%
0-60	2233.19	85.74%	95.37%
0-90	2338.06	89.77%	99.85%
0-120	2338.06	89.77%	99.85%
0-180	2341.62	89.91%	100.00%
60-90	104.88	4.03%	4.48%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-20.77	1873.29	71.93%	80.00%

ZONAL LUMEN SUMMARY

0-10	882.92
10-20	953.45
20-30	235.09
30-40	71.27
40-50	49.47
50-60	40.99
60-70	33.07
70-80	35.09
80-90	36.71
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):

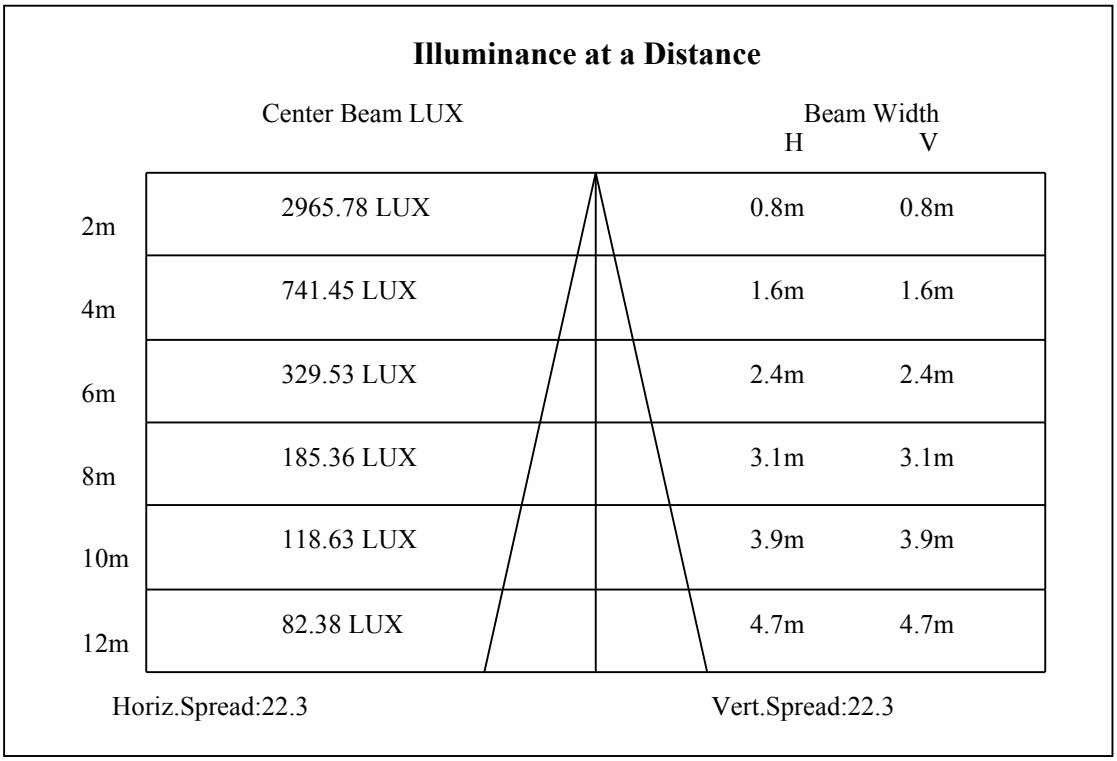
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:21.8 Right:19.8
:C90/270Left:21.8 Right:19.8

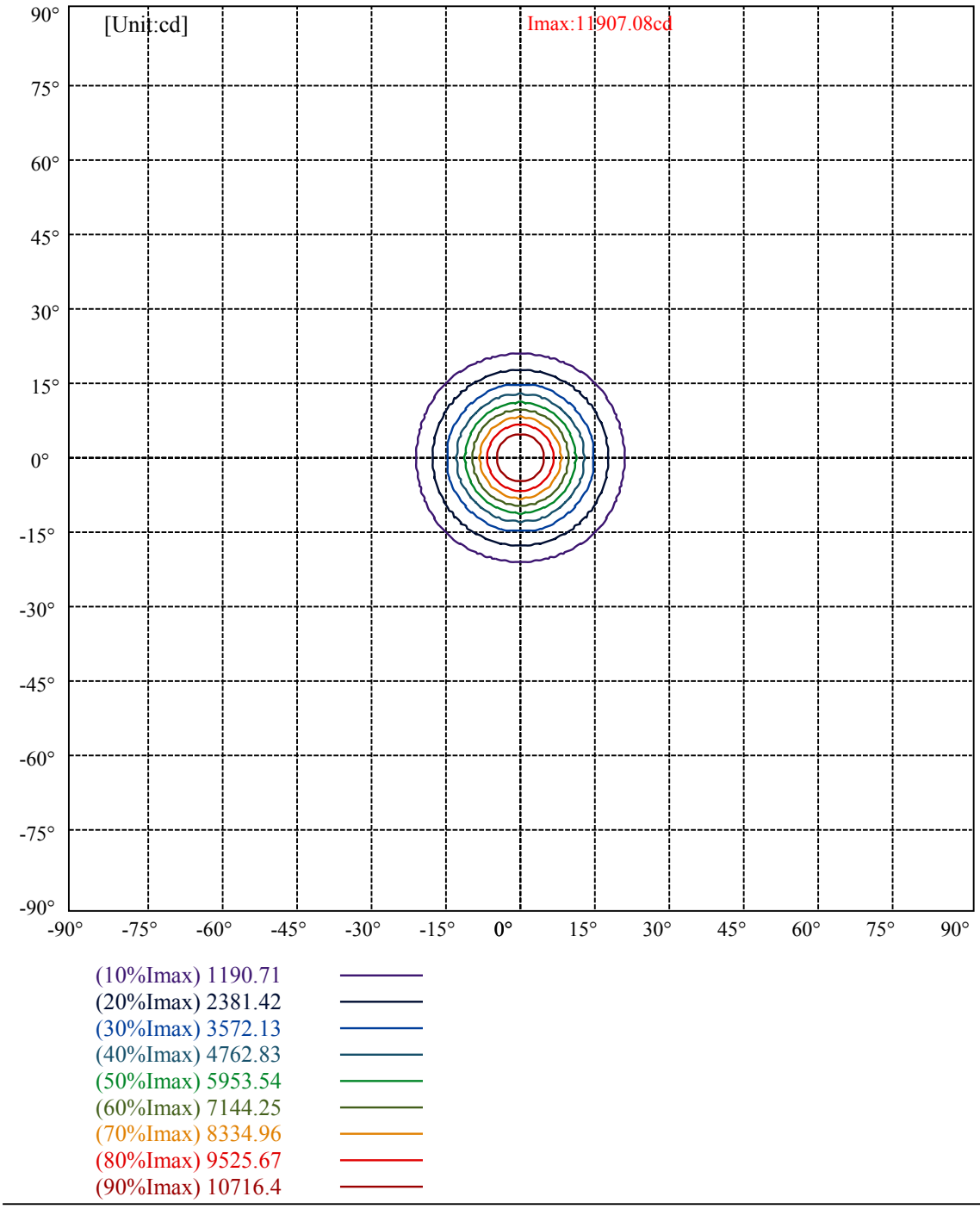
Beam Angle(50%Imax):C0/180Left:12.1 Right:10.1
:C90/270Left:12.1 Right:10.1

Lux distance Curve



Equipment: GMS1980 Date: 2024/5/6 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)



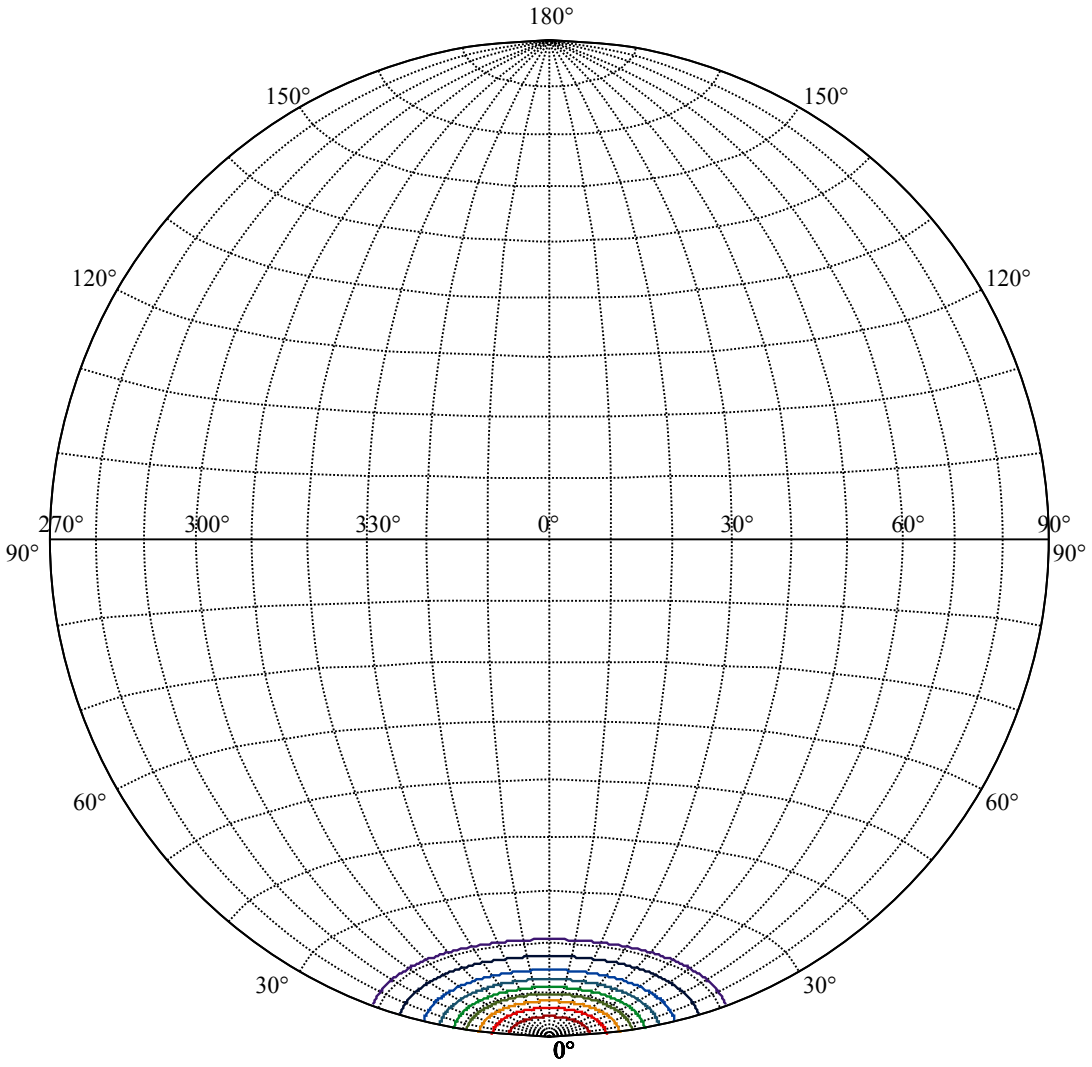
(10%Imax) 1190.71
(20%Imax) 2381.42
(30%Imax) 3572.13
(40%Imax) 4762.83
(50%Imax) 5953.54
(60%Imax) 7144.25
(70%Imax) 8334.96
(80%Imax) 9525.67
(90%Imax) 10716.4

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/5/6
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



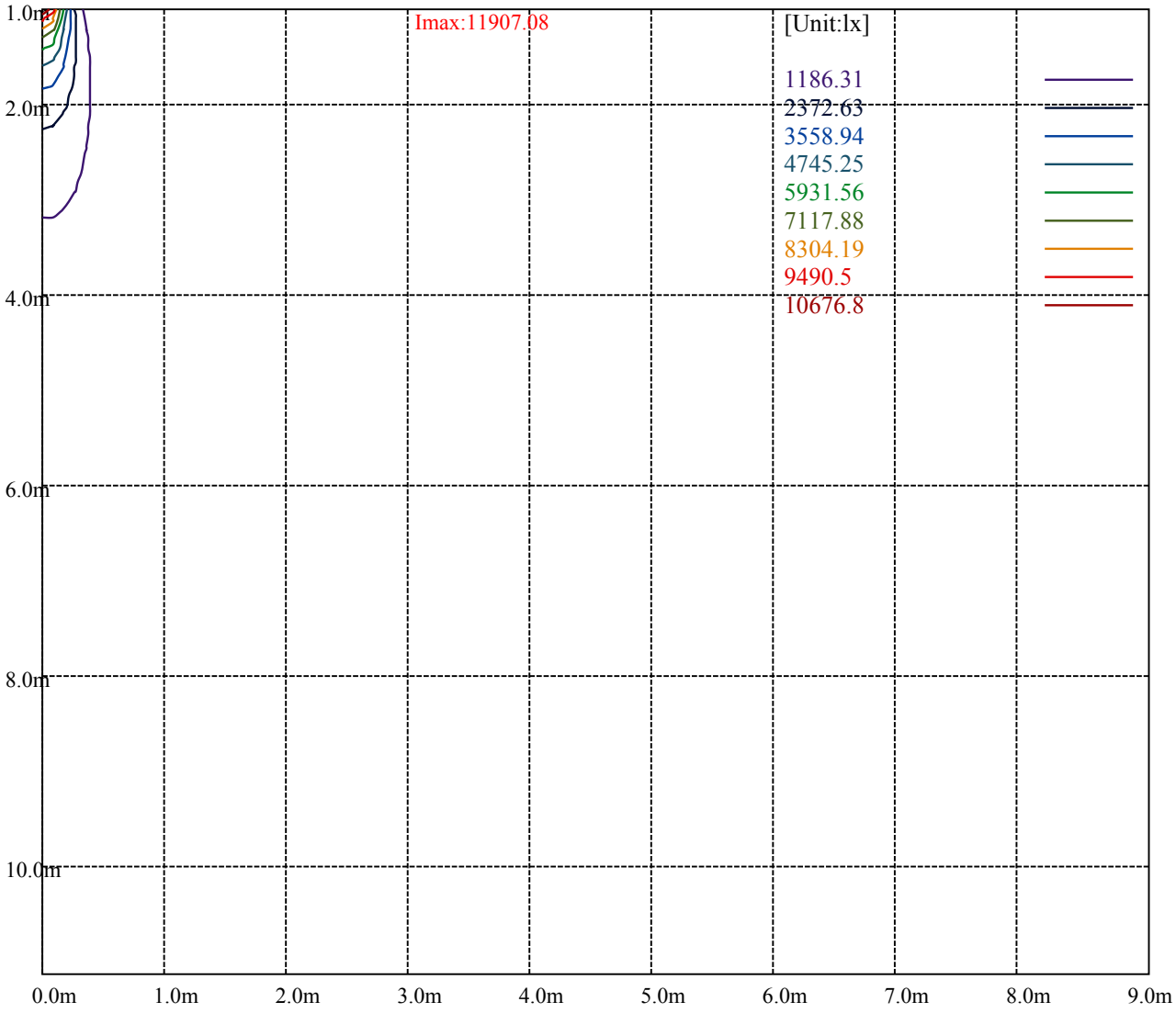
[Unit:cd]

Imax:11907.08

(10%Imax) 1190.71
(20%Imax) 2381.42
(30%Imax) 3572.13
(40%Imax) 4762.83
(50%Imax) 5953.54
(60%Imax) 7144.25
(70%Imax) 8334.96
(80%Imax) 9525.67
(90%Imax) 10716.4

Equipment: GMS1980	Date: 2024/5/6	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/5/6
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 62-0013透镜

Luminance Limitting Curve(no luminous side)

Luminance Table

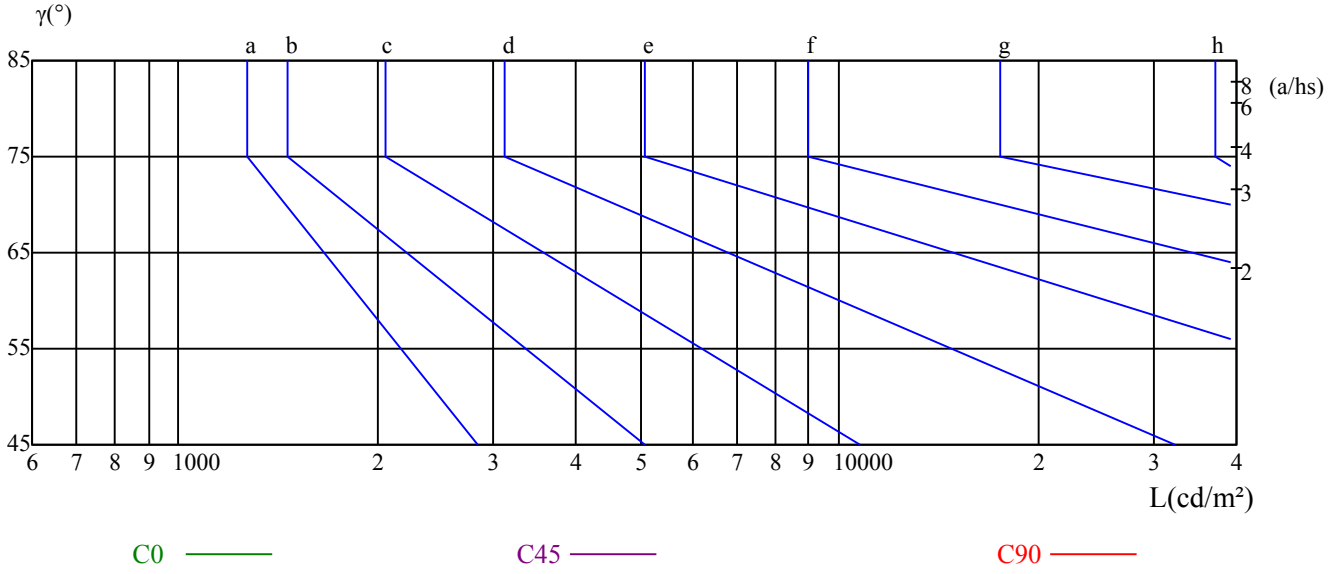
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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 Limitting Curve

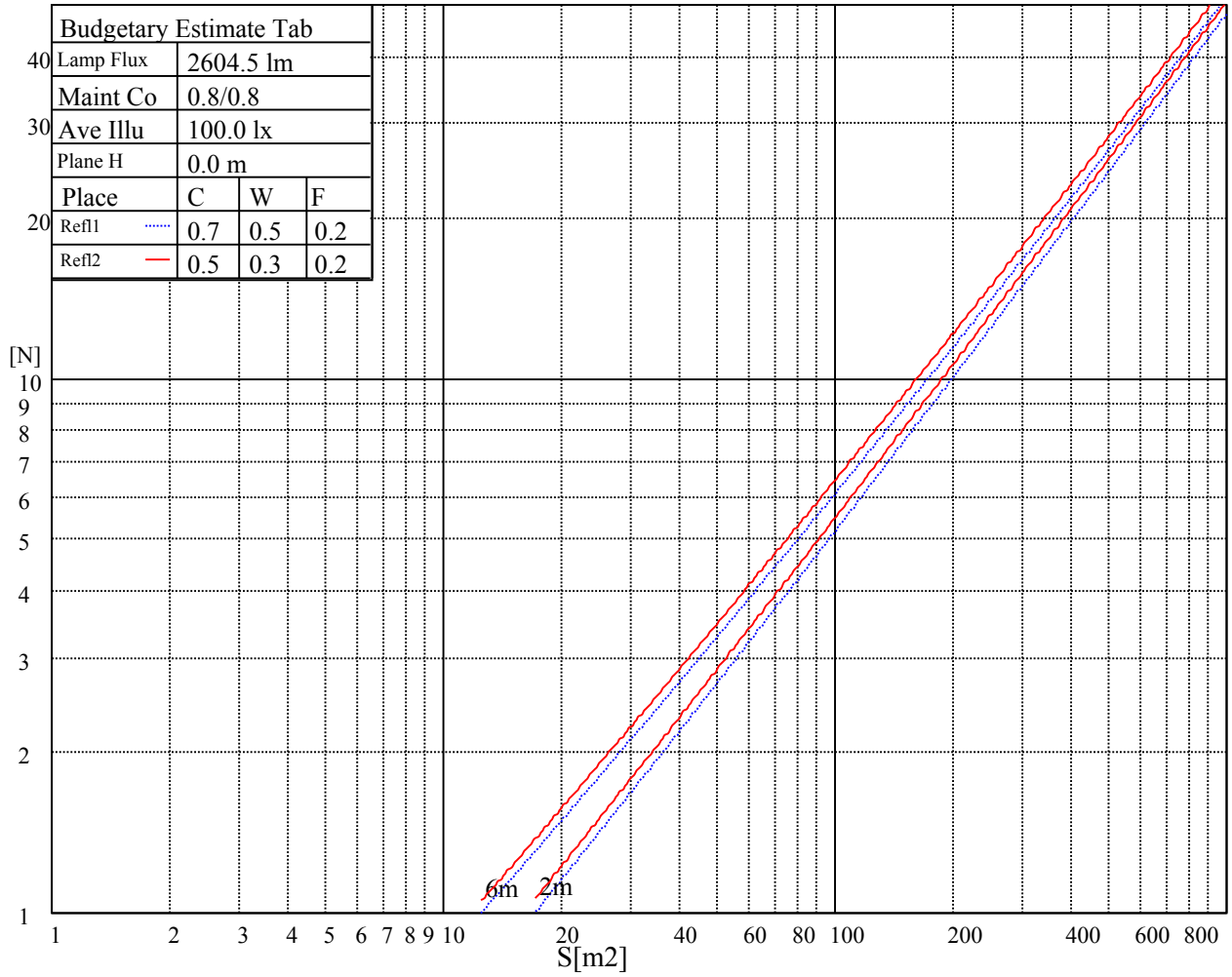


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/5/6
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Budgetary Estimate Table

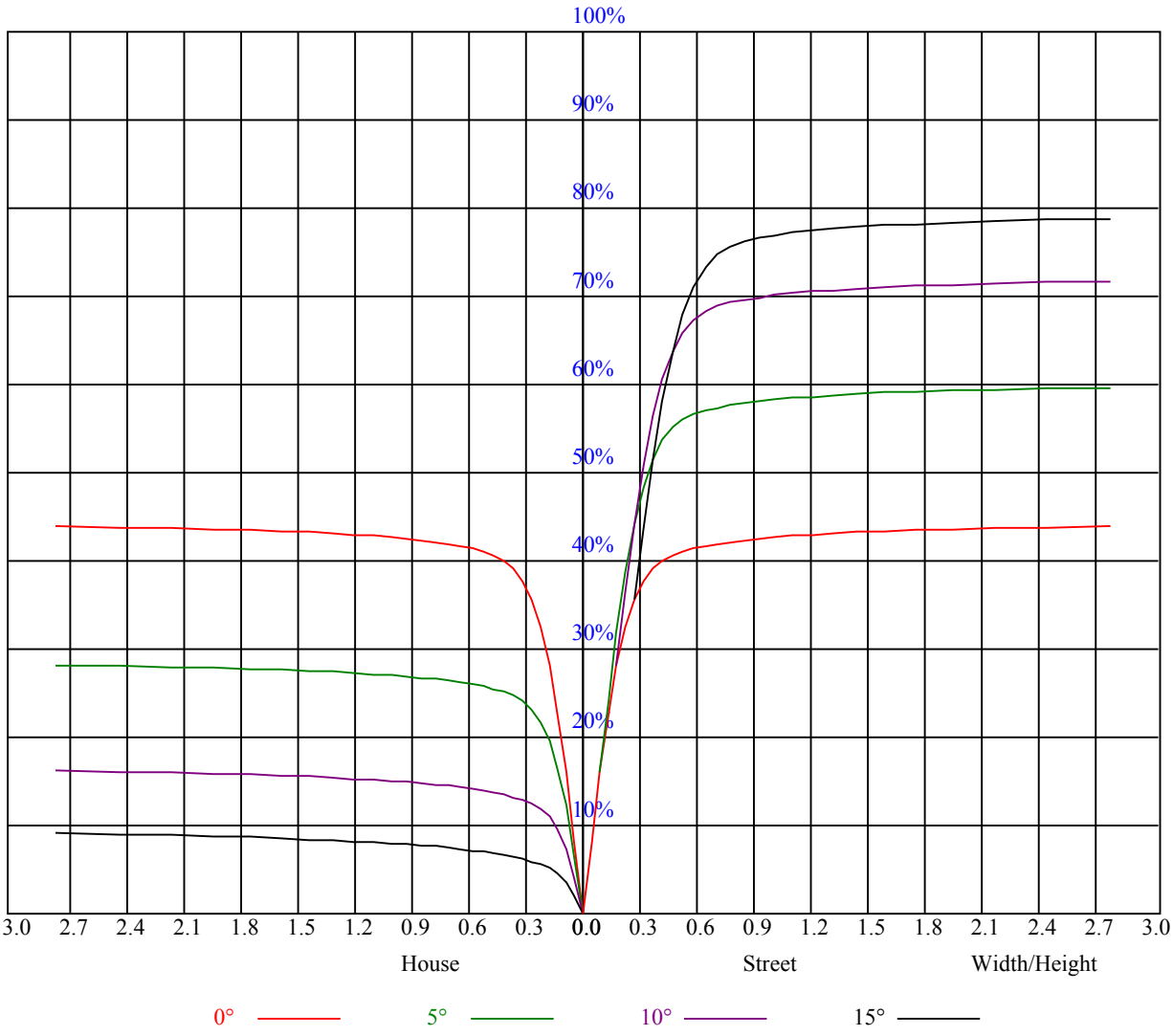


Equipment: GMS1980 Date: 2024/5/6 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

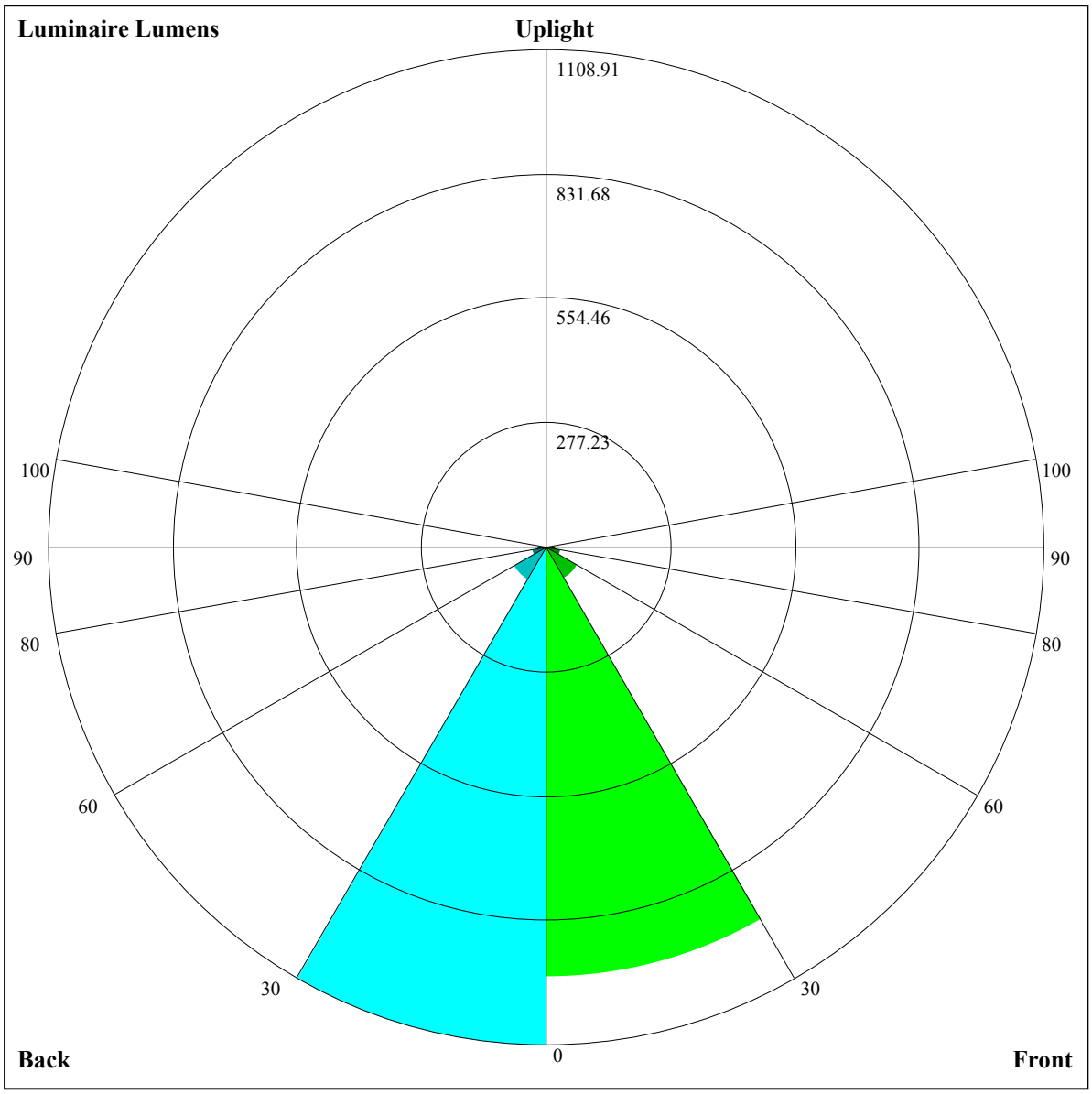
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.00	0.98	0.96	0.98	0.96	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85
2	0.95	0.92	0.89	0.93	0.90	0.88	0.90	0.88	0.86	0.88	0.86	0.84	0.85	0.84	0.82	0.81
3	0.90	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.83	0.81	0.79	0.78
4	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.83	0.79	0.76	0.82	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.78	0.76	0.74	0.73
6	0.80	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.74	0.72	0.76	0.74	0.72	0.71
7	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.74	0.72	0.70	0.69
8	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.73	0.70	0.68	0.67
9	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
10	0.71	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.69	0.67	0.65	0.64

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/5/6	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=959.45,FM=80.24,FH=33.98,FVH=20.05
BL=1108.91,BM=83.03,BH=34.47,BVH=20.94
UL=0,UH=0

BUG Rating:B3-U0-G1

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	11629.06	11629.06	11300.75	10774.64	10209.89	9552.69	8845.15	7869.58	7091.82
45.0	12105.96	11924.54	11655.34	11310.06	10748.24	10174.72	9536.83	8606.32	7839.67
90.0	11670.03	11670.03	11398.49	10879.98	10345.08	9702.50	8804.77	8042.81	7263.87
135.0	12047.44	12094.26	11906.99	11643.64	11292.50	10742.39	10186.43	9542.68	8647.28
180.0	11629.06	12100.11	12088.41	11953.81	11778.24	11532.44	11075.97	10566.82	9987.45
225.0	12105.96	12117.67	12100.11	11673.54	11673.54	11210.04	10707.34	10097.53	9183.99
270.0	11670.03	12082.56	12041.59	11918.69	11713.86	11397.84	10847.73	10280.06	9437.34
315.0	12047.44	11638.43	11638.43	11328.26	10903.97	10373.17	9555.03	8801.26	7989.55
360.0	11629.06	11629.06	11300.75	10774.64	10209.89	9552.69	8845.15	7869.58	7091.82

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6171.84	5488.88	4835.77	4101.90	3579.88	3122.23	2693.26	2217.48	1889.16
45.0	6891.61	6183.49	5533.89	4895.99	4158.61	3626.05	3146.17	3034.98	2560.42
90.0	6511.86	5638.12	4973.89	4198.46	3650.69	3166.13	2619.53	2237.37	1911.40
135.0	7898.20	7149.11	6429.28	5580.71	4931.11	4316.62	3760.66	3134.47	3017.42
180.0	9121.32	8337.12	7359.79	6581.44	5808.94	4878.44	4269.80	3702.13	3175.43
225.0	8376.38	7544.19	6524.15	5717.12	4956.91	4147.55	3588.07	3089.46	2568.03
270.0	8658.99	7845.53	6809.68	6013.77	5247.13	4515.60	3789.92	3269.07	3023.27
315.0	7173.16	6207.54	5482.45	4800.66	4179.74	3508.48	3026.84	2503.07	2134.96
360.0	6171.84	5488.88	4835.77	4101.90	3579.88	3122.23	2693.26	2217.48	1889.16

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1128.20	1128.20	1009.16	793.39	605.24	423.76	325.68	259.20	210.21
45.0	1908.48	1614.69	1353.68	1052.88	839.86	650.83	461.22	352.36	295.60
90.0	1430.93	1148.45	1092.21	882.05	690.04	492.29	376.42	296.30	242.81
135.0	3017.42	1889.75	1594.80	1255.95	1014.84	801.23	618.64	444.24	345.93
180.0	2953.05	2953.05	1918.43	1601.23	1246.59	1001.38	789.53	577.09	439.56
225.0	2199.33	1866.93	1155.82	1155.82	981.60	780.63	614.84	451.97	356.11
270.0	3023.27	1999.19	1679.07	1382.36	1127.20	859.75	636.78	496.91	386.89
315.0	1800.21	1110.00	1110.00	941.69	702.45	545.84	423.88	331.12	252.23
360.0	1128.20	1128.20	1009.16	793.39	605.24	423.76	325.68	259.20	210.21

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	188.56	173.17	154.15	140.40	128.63	120.44	113.12	108.09	101.48
45.0	295.60	200.79	182.59	165.56	152.16	142.33	132.44	125.47	119.62
90.0	202.96	184.11	171.41	162.46	152.28	143.79	136.83	130.86	123.19
135.0	309.06	309.06	193.59	176.15	160.35	147.30	137.00	129.63	122.90
180.0	338.32	299.69	299.69	177.62	153.74	137.82	124.95	115.11	106.45
225.0	283.37	222.91	188.33	160.70	137.70	126.82	119.15	110.84	103.41
270.0	303.79	303.79	194.41	171.71	154.27	137.53	130.51	123.54	115.52
315.0	212.55	188.56	170.53	152.39	135.19	127.11	119.68	112.07	102.00
360.0	188.56	173.17	154.15	140.40	128.63	120.44	113.12	108.09	101.48

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	94.98	88.13	83.63	78.95	73.27	68.71	64.20	61.51	59.11
45.0	112.19	103.06	96.97	92.82	88.72	81.99	75.20	68.65	64.67
90.0	112.95	106.63	103.12	101.36	96.68	87.20	78.13	69.64	66.01
135.0	114.41	106.51	98.67	95.86	94.75	87.61	81.29	73.97	69.12
180.0	101.01	95.68	91.41	85.97	81.87	77.60	73.97	69.64	65.84
225.0	96.27	91.70	86.73	83.92	81.17	76.20	70.99	66.89	64.02
270.0	104.81	98.43	93.69	90.30	89.01	83.75	74.67	70.52	66.48
315.0	95.63	91.82	91.35	89.60	81.29	73.21	68.71	64.43	62.97
360.0	94.98	88.13	83.63	78.95	73.27	68.71	64.20	61.51	59.11

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	56.65	55.07	53.90	52.85	52.26	51.91	50.56	48.92	47.70
45.0	61.80	59.34	56.65	54.19	52.49	50.97	51.38	48.98	47.17
90.0	64.08	60.16	57.35	55.71	53.55	51.79	49.80	47.75	46.41
135.0	63.67	62.15	60.16	56.30	52.85	51.68	51.79	49.86	48.40
180.0	62.62	60.57	58.58	56.53	55.19	54.19	53.67	52.90	51.56
225.0	61.45	60.04	58.17	57.06	55.83	55.13	54.13	52.67	51.68
270.0	63.73	62.56	59.81	56.36	54.60	53.43	52.61	51.32	49.86
315.0	61.68	58.87	55.25	53.49	52.09	51.79	50.80	48.52	47.17
360.0	56.65	55.07	53.90	52.85	52.26	51.91	50.56	48.92	47.70

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	46.41	45.00	43.89	41.96	40.73	39.44	38.51	37.16	36.05
45.0	46.06	44.65	43.25	41.38	39.91	38.04	36.75	35.64	34.65
90.0	44.65	43.66	42.25	40.67	39.15	37.40	36.40	35.29	34.00
135.0	47.34	45.94	44.83	43.77	42.08	40.56	39.27	37.98	36.40
180.0	50.45	49.28	47.99	46.70	45.53	43.77	42.49	41.14	39.44
225.0	49.92	47.99	46.41	44.77	43.07	41.02	39.39	37.81	36.40
270.0	48.57	47.05	45.47	43.89	42.08	40.38	39.03	37.57	36.17
315.0	45.71	44.13	42.25	40.73	39.21	37.75	36.17	35.05	33.88
360.0	46.41	45.00	43.89	41.96	40.73	39.44	38.51	37.16	36.05

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	34.82	34.00	33.59	33.59	33.01	32.60	32.77	33.18	33.88
45.0	33.24	32.19	31.13	30.20	29.55	30.78	29.96	29.32	29.20
90.0	32.89	32.07	30.96	30.14	29.55	29.50	29.61	29.20	28.97
135.0	35.41	34.18	32.95	31.78	31.31	31.25	30.67	30.02	29.26
180.0	38.10	36.64	35.41	34.47	33.88	33.59	33.18	33.36	33.71
225.0	35.17	33.53	32.60	31.78	31.31	31.72	31.13	31.02	30.84
270.0	35.05	34.06	33.01	32.48	31.72	31.08	30.31	29.90	29.73
315.0	32.42	31.37	30.43	30.31	30.02	29.96	29.90	29.85	29.85
360.0	34.82	34.00	33.59	33.59	33.01	32.60	32.77	33.18	33.88

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	34.65	35.58	36.69	36.28	35.41	34.53	34.06	33.47	32.42
45.0	28.91	28.62	28.50	28.44	28.62	30.78	32.89	34.59	35.17
90.0	28.50	28.38	28.62	29.26	35.11	43.13	51.91	55.95	58.35
135.0	29.20	29.03	28.50	28.85	29.55	29.90	35.64	44.24	49.04
180.0	33.71	34.65	35.41	34.53	32.95	33.01	33.65	33.88	33.30
225.0	30.67	30.31	30.26	30.43	30.90	31.66	32.30	33.07	34.59
270.0	29.55	29.32	28.91	29.32	30.14	31.19	33.07	38.10	44.24
315.0	29.50	29.50	29.90	30.14	31.31	33.88	38.98	43.25	46.94
360.0	34.65	35.58	36.69	36.28	35.41	34.53	34.06	33.47	32.42

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	32.48	33.65	36.46	41.79	37.04	36.69	34.65	33.83	33.42
45.0	35.00	32.30	29.85	30.96	31.43	31.37	31.37	29.73	30.55
90.0	56.18	47.52	40.79	41.49	32.60	29.73	29.44	29.90	31.19
135.0	52.55	54.95	48.63	37.98	40.38	31.60	32.48	32.71	29.55
180.0	32.89	32.89	32.77	34.18	37.92	42.96	32.66	36.17	32.89
225.0	35.76	34.65	33.88	37.92	41.26	37.69	35.58	33.24	32.71
270.0	50.21	52.85	48.81	40.97	46.12	39.56	34.94	32.95	33.01
315.0	48.05	41.49	34.70	36.69	36.52	37.63	35.46	31.43	34.70
360.0	32.48	33.65	36.46	41.79	37.04	36.69	34.65	33.83	33.42

Intensity data(cd)

C/γ(°)	90.0
0.0	32.89
45.0	29.67
90.0	29.79
135.0	29.38
180.0	32.42
225.0	34.35
270.0	36.52
315.0	35.23
360.0	32.89