NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 2-2679-L
Luminaire: 92.70.411.00
Report No: 2024402-B005
Ballast type: AC

Test No: 2024402-C005	Voltage(V): 35.170
LampCAT: LUMILEDS LUXEON 1205	Current(A): 0.485
Lamp flux(lm): 2202.0	Power (W): 17.057
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1871.23, Efficiency(%): 84.98% , Luminous Efficacy(lm/W): 109.70
Central intensity(cd): 6347.263, Maximum intensity(cd): 6347.263
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=60.2
[C90/270]Total=60.2
Maximum s/h(1/2): C0_180=0.40 C90_270=0.40
Maximum s/h(1/4): C0_180=0.46 C90_270=0.46
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.98%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.102%

Equipment: GMS1980	Date: 2024/4/02	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6347.263	0.000	0	0.00%	0.00%
1.0	6304.614	6.054	6.054	0.27%	0.32%
2.0	6171.476	17.907	23.961	0.81%	1.28%
3.0	5976.084	29.053	53.014	1.32%	2.83%
4.0	5701.686	39.089	92.103	1.78%	4.92%
5.0	5411.122	47.807	139.909	2.17%	7.48%
6.0	5070.594	55.084	194.994	2.50%	10.42%
7.0	4746.306	60.933	255.927	2.77%	13.68%
8.0	4413.094	65.552	321.479	2.98%	17.18%
9.0	4084.710	68.870	390.349	3.13%	20.86%
10.0	3763.933	71.027	461.377	3.23%	24.66%
11.0	3442.279	72.005	533.381	3.27%	28.50%
12.0	3140.156	71.955	605.337	3.27%	32.35%
13.0	2852.738	71.121	676.457	3.23%	36.15%
14.0	2601.310	69.811	746.269	3.17%	39.88%
15.0	2372.707	68.286	814.554	3.10%	43.53%
16.0	2156.613	66.367	880.921	3.01%	47.08%
17.0	1983.606	64.474	945.396	2.93%	50.52%
18.0	1810.598	62.558	1007.954	2.84%	53.87%
19.0	1675.923	60.658	1068.612	2.75%	57.11%
20.0	1535.104	58.771	1127.383	2.67%	60.25%
21.0	1422.660	56.795	1184.178	2.58%	63.28%
22.0	1303.603	54.785	1238.964	2.49%	66.21%
23.0	1200.216	52.537	1291.5	2.39%	69.02%
24.0	1136.595	51.091	1342.591	2.32%	71.75%
25.0	1058.372	49.909	1392.5	2.27%	74.42%
26.0	979.711	48.109	1440.609	2.18%	76.99%
27.0	897.260	45.920	1486.53	2.09%	79.44%
28.0	815.855	43.372	1529.902	1.97%	81.76%
29.0	732.731	40.515	1570.418	1.84%	83.92%
30.0	645.101	37.201	1607.619	1.69%	85.91%
31.0	564.354	33.657	1641.276	1.53%	87.71%
32.0	481.735	29.969	1671.246	1.36%	89.31%
33.0	402.518	26.050	1697.296	1.18%	90.70%
34.0	337.258	22.388	1719.684	1.02%	91.90%
35.0	285.465	19.339	1739.023	0.88%	92.93%
36.0	234.639	16.560	1755.583	0.75%	93.82%
37.0	172.166	13.268	1768.851	0.60%	94.53%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	140.213	10.427	1779.278	0.47%	95.09%
39.0	96.708	8.087	1787.365	0.37%	95.52%
40.0	73.431	5.934	1793.299	0.27%	95.84%
41.0	57.988	4.680	1797.978	0.21%	96.09%
42.0	46.445	3.794	1801.773	0.17%	96.29%
43.0	38.654	3.152	1804.925	0.14%	96.46%
44.0	33.138	2.710	1807.635	0.12%	96.60%
45.0	29.195	2.396	1810.03	0.11%	96.73%
46.0	26.416	2.175	1812.205	0.10%	96.85%
47.0	24.045	2.007	1814.212	0.09%	96.95%
48.0	22.392	1.877	1816.089	0.09%	97.05%
49.0	20.900	1.778	1817.867	0.08%	97.15%
50.0	19.773	1.696	1819.563	0.08%	97.24%
51.0	18.903	1.636	1821.199	0.07%	97.33%
52.0	18.222	1.593	1822.792	0.07%	97.41%
53.0	17.813	1.568	1824.36	0.07%	97.50%
54.0	17.557	1.559	1825.919	0.07%	97.58%
55.0	17.462	1.563	1827.482	0.07%	97.66%
56.0	17.498	1.580	1829.062	0.07%	97.75%
57.0	17.666	1.608	1830.669	0.07%	97.83%
58.0	17.908	1.645	1832.314	0.07%	97.92%
59.0	18.142	1.685	1834	0.08%	98.01%
60.0	18.222	1.718	1835.718	0.08%	98.10%
61.0	18.091	1.733	1837.451	0.08%	98.19%
62.0	17.645	1.722	1839.173	0.08%	98.29%
63.0	16.906	1.680	1840.853	0.08%	98.38%
64.0	15.918	1.611	1842.464	0.07%	98.46%
65.0	14.850	1.523	1843.986	0.07%	98.54%
66.0	13.811	1.430	1845.416	0.06%	98.62%
67.0	13.029	1.350	1846.766	0.06%	98.69%
68.0	12.356	1.286	1848.052	0.06%	98.76%
69.0	11.953	1.240	1849.292	0.06%	98.83%
70.0	11.661	1.213	1850.505	0.06%	98.89%
71.0	11.412	1.193	1851.697	0.05%	98.96%
72.0	11.339	1.183	1852.88	0.05%	99.02%
73.0	11.192	1.178	1854.058	0.05%	99.08%
74.0	10.995	1.166	1855.225	0.05%	99.14%
75.0	10.885	1.156	1856.381	0.05%	99.21%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.717	1.147	1857.528	0.05%	99.27%
77.0	10.439	1.128	1858.656	0.05%	99.33%
78.0	10.176	1.104	1859.759	0.05%	99.39%
79.0	9.876	1.077	1860.836	0.05%	99.44%
80.0	9.532	1.046	1861.883	0.05%	99.50%
81.0	9.276	1.017	1862.9	0.05%	99.55%
82.0	9.042	0.993	1863.893	0.05%	99.61%
83.0	8.837	0.972	1864.865	0.04%	99.66%
84.0	8.691	0.955	1865.82	0.04%	99.71%
85.0	8.522	0.939	1866.759	0.04%	99.76%
86.0	8.354	0.922	1867.682	0.04%	99.81%
87.0	8.186	0.905	1868.587	0.04%	99.86%
88.0	8.069	0.890	1869.477	0.04%	99.91%
89.0	7.981	0.880	1870.357	0.04%	99.95%
90.0	7.937	0.873	1871.23	0.04%	100.00%

Zonal flux distribution table

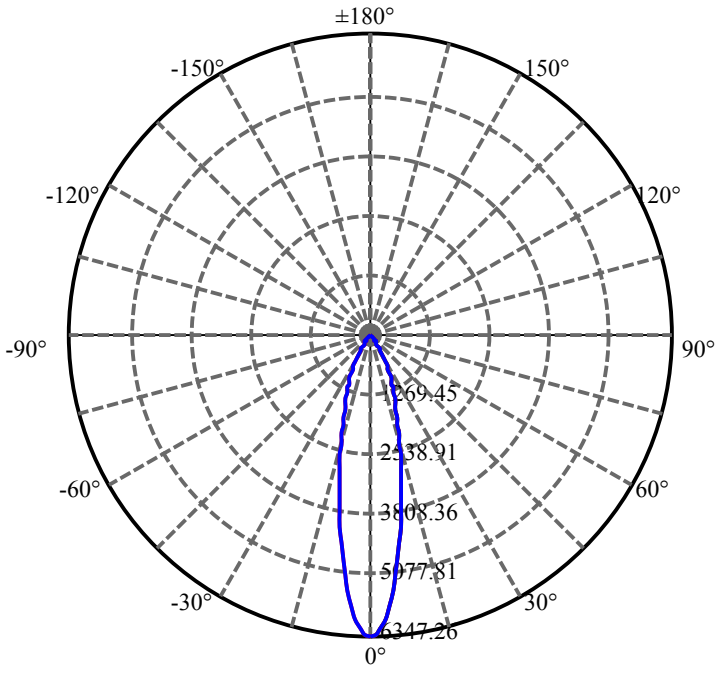
ZONAL LUMEN SUMMARY

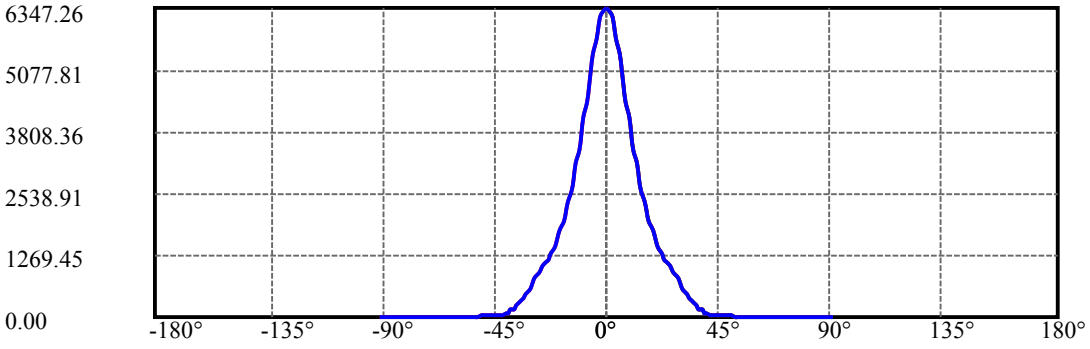
Zone	Lumens	%Lamp	%Fixt
0-30	1607.62	73.01%	85.91%
0-40	1793.30	81.44%	95.84%
0-60	1835.72	83.37%	98.10%
0-90	1870.36	84.94%	99.95%
0-120	1870.36	84.94%	99.95%
0-180	1871.23	84.98%	100.00%
60-90	34.64	1.57%	1.85%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.24	1496.98	67.98%	80.00%

ZONAL LUMEN SUMMARY

0-10	461.38
10-20	666.01
20-30	480.24
30-40	185.68
40-50	26.26
50-60	16.16
60-70	14.79
70-80	11.38
80-90	8.47
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:

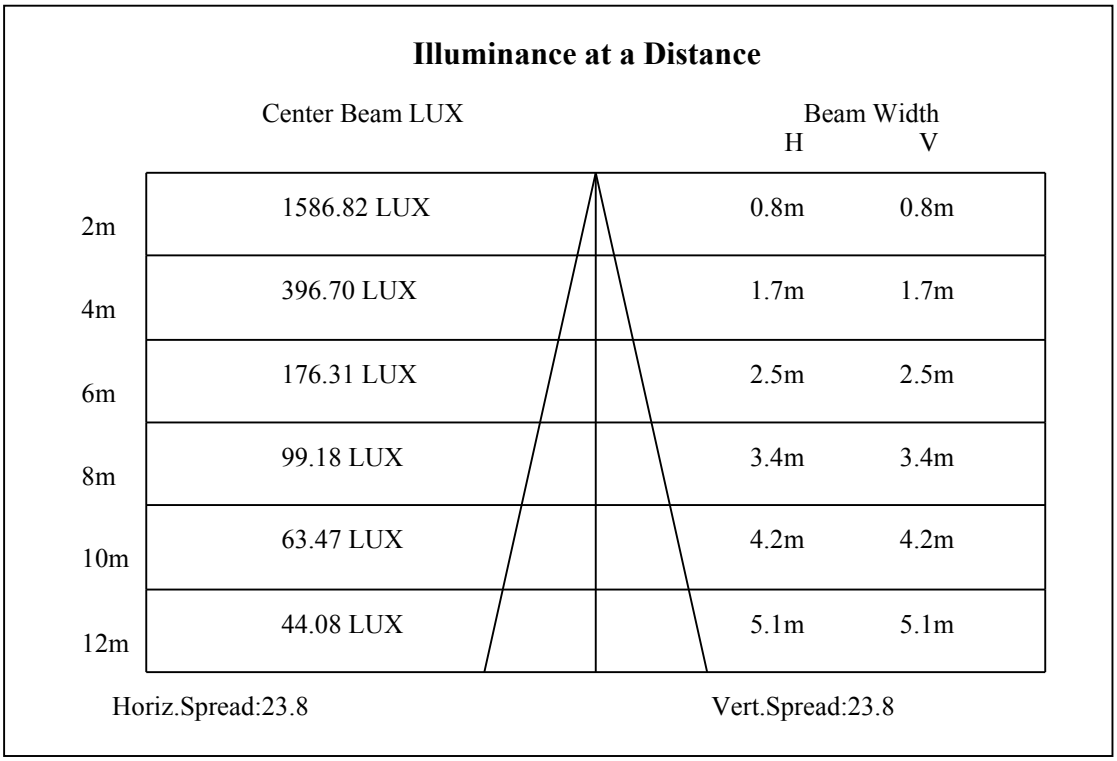
C90/C270:

Field angle(10%Imax):C0/180Left:30.1 Right:30.1
:C90/270Left:30.1 Right:30.1

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

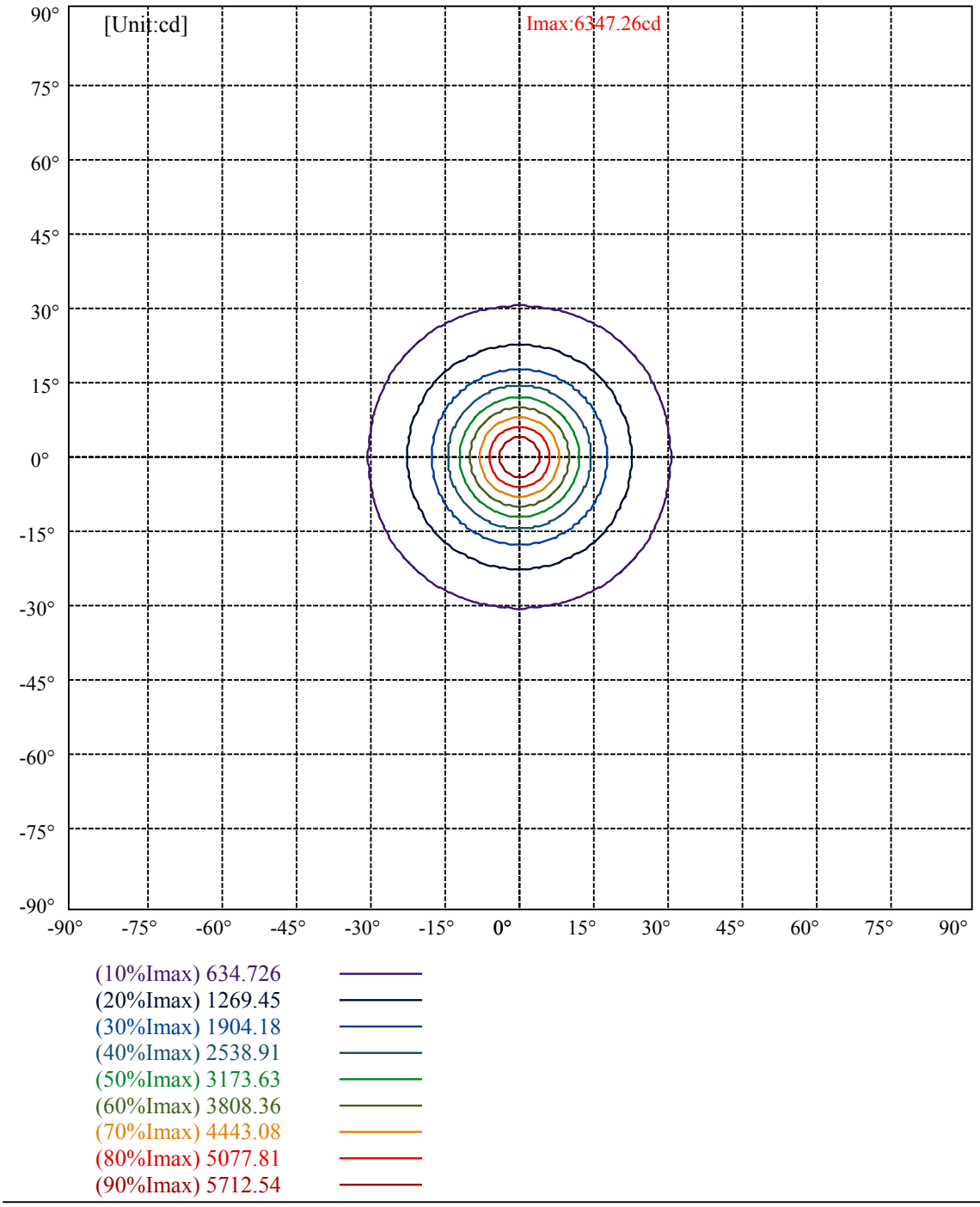
Equipment: GMS1980	Date: 2024/4/02	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



Equipment: GMS1980 Date: 2024/4/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

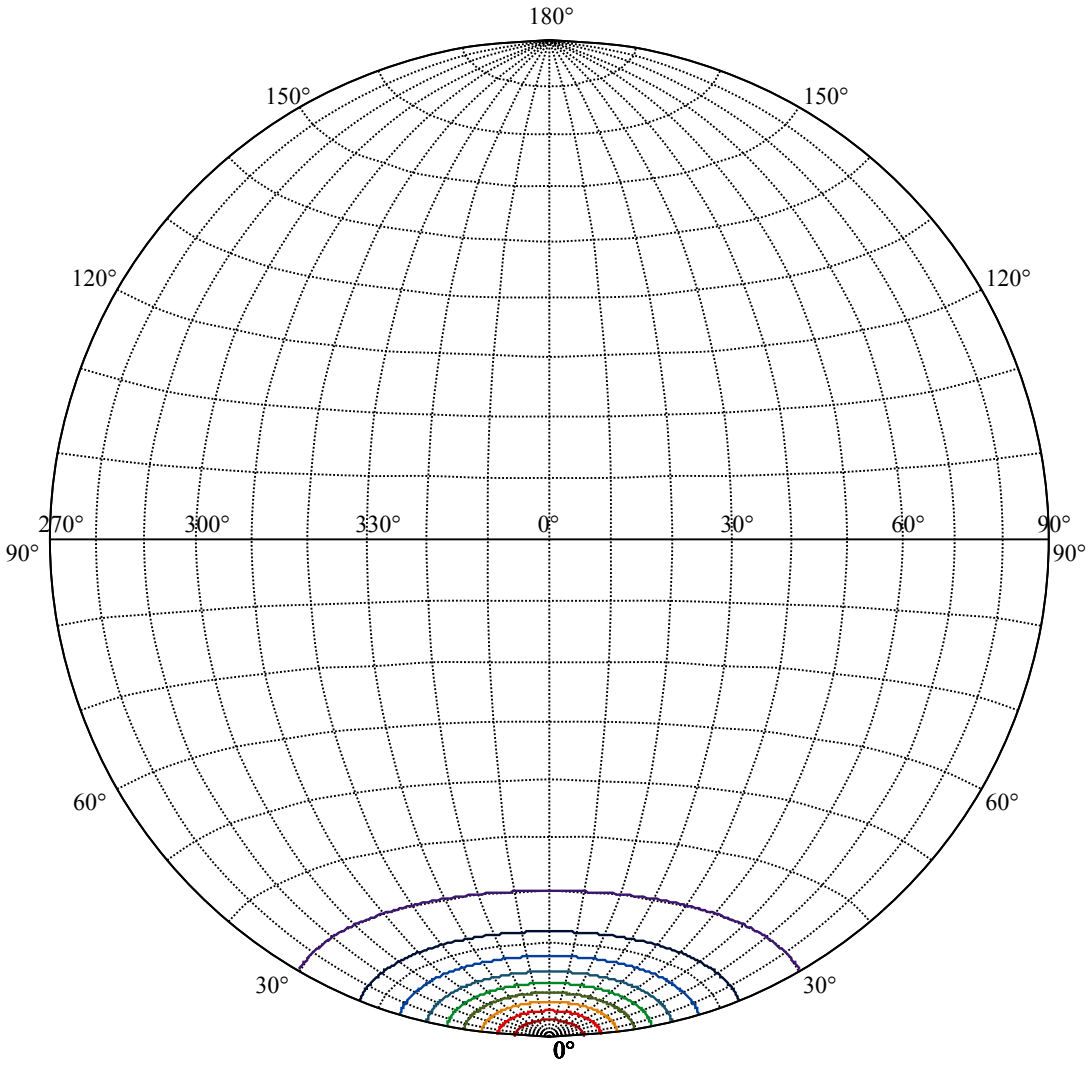


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/02
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



[Unit:cd]

Imax:6347.26

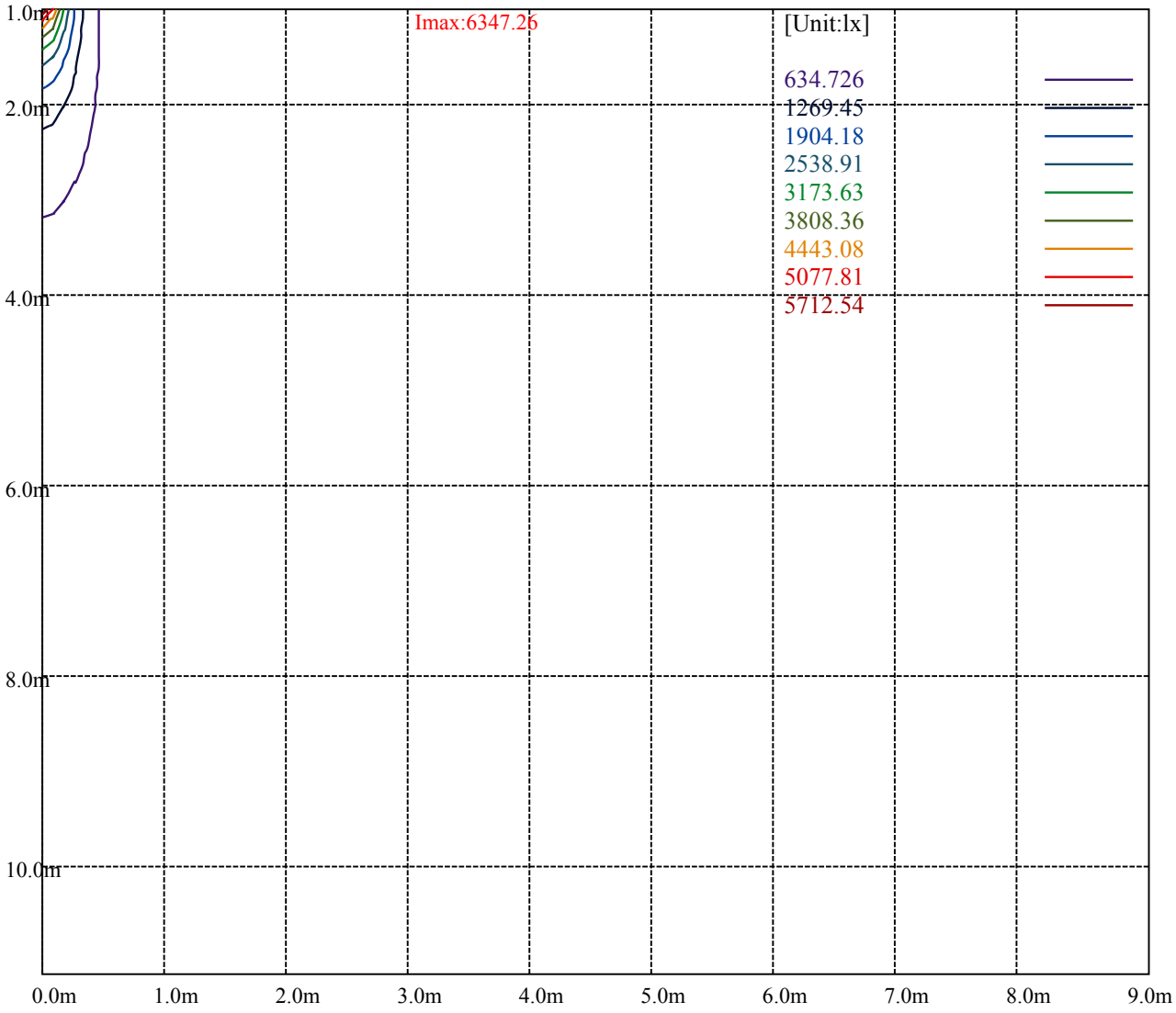
(10%Imax) 634.726
(20%Imax) 1269.45
(30%Imax) 1904.18
(40%Imax) 2538.91
(50%Imax) 3173.63
(60%Imax) 3808.36
(70%Imax) 4443.08
(80%Imax) 5077.81
(90%Imax) 5712.54

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/02
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/02
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2679-L

Luminance Limitting Curve(no luminous side)

Luminance Table

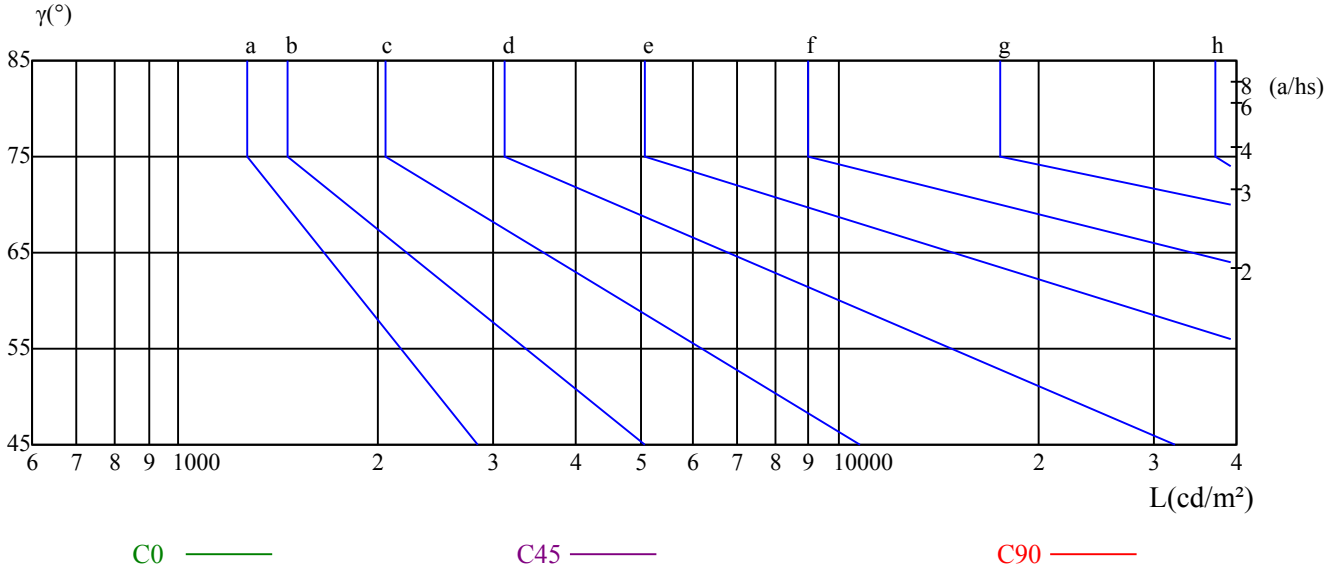
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

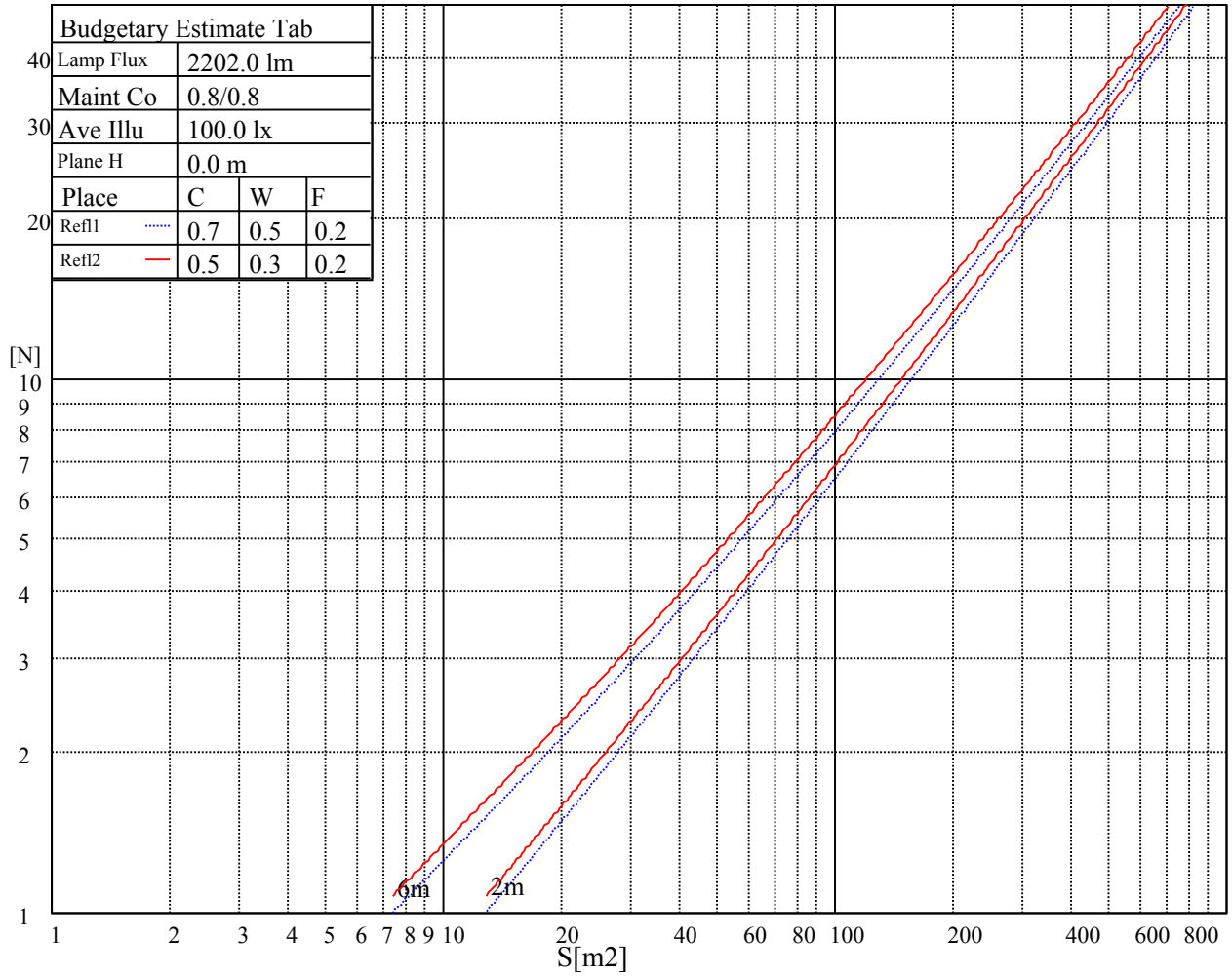
Date: 2024/4/02
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

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 X Y	Viewed crosswise					Viewed endwise				
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	非数字
2H 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	非数字
2H 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	非数字
2H 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	非数字
2H 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	非数字
2H 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	非数字
4H 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	非数字
4H 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	非数字
4H 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	非数字
4H 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	非数字
4H 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	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	非数字
8H 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	非数字
8H 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	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	非数字
8H 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	非数字
12H 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	非数字
12H 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	非数字
12H 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	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

Budgetary Estimate Table

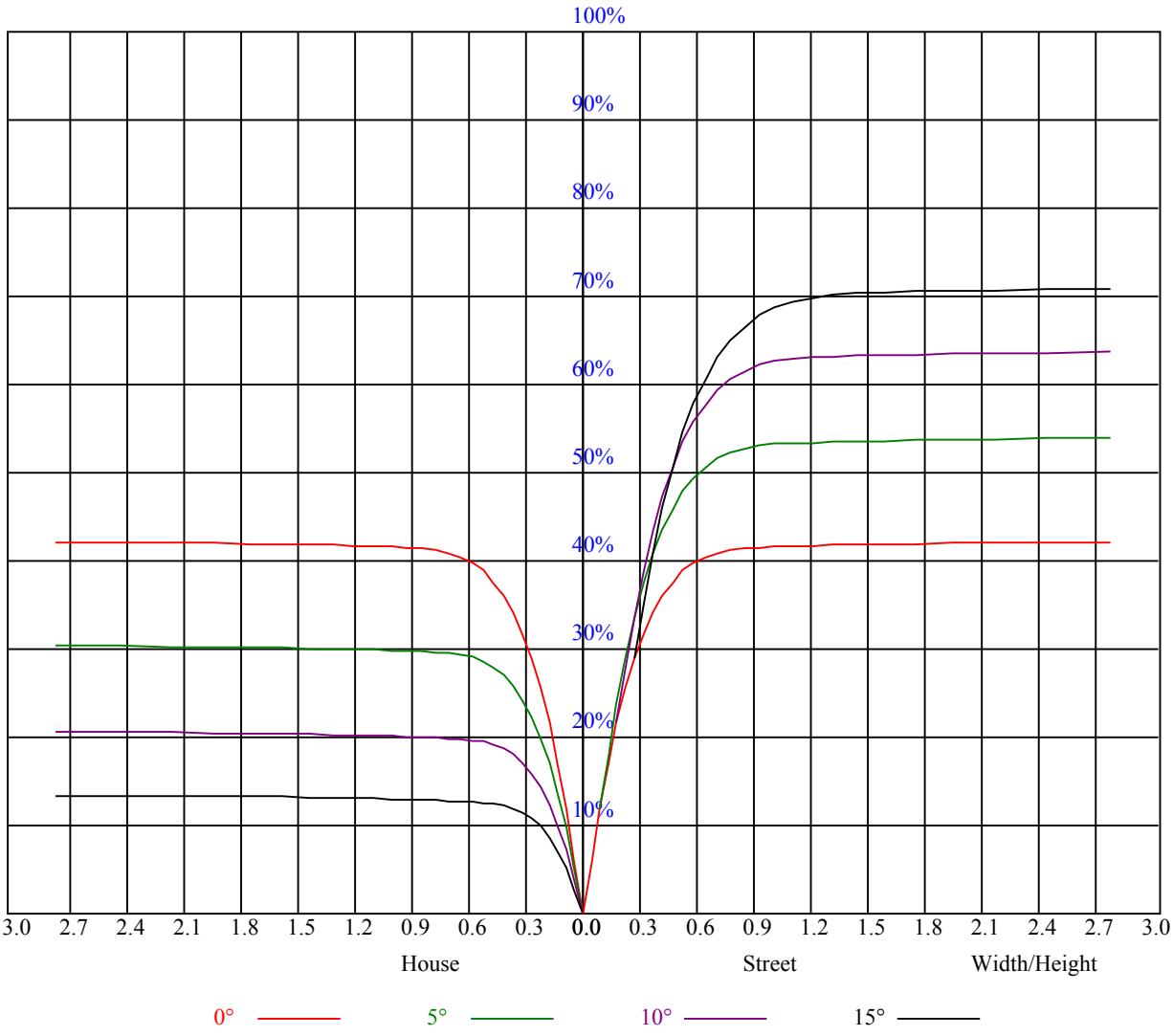


Equipment: GMS1980 Date: 2024/4/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

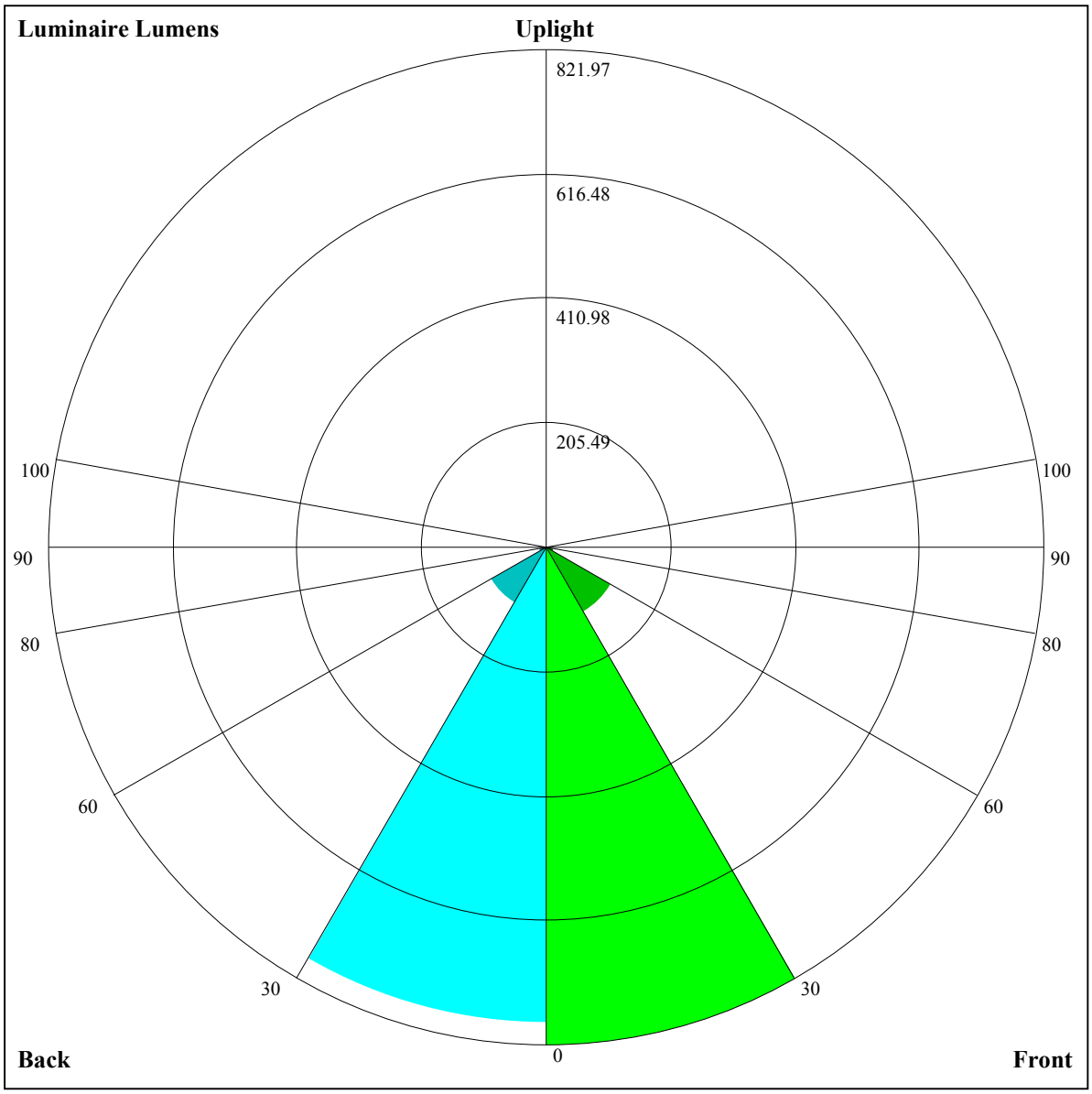
Utilization factor table for indoor luminaire

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	1.01	1.01	1.01	0.99	0.99	0.99	0.94	0.94	0.94	0.90	0.90	0.90	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.80
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.78	0.76
3	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.74	0.73
4	0.80	0.76	0.73	0.79	0.76	0.73	0.78	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	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
7	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.67	0.64	0.62	0.61
8	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
9	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.56
10	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/02	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=821.97,FM=122.86,FH=13.02,FVH=4.68
BL=784.52,BM=107.07,BH=13.08,BVH=4.67
UL=0,UH=0

BUG Rating:B2-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	6356.19	6304.69	6167.16	5986.91	5762.77	5484.20	5114.93	4802.41	4490.49
45.0	6336.87	6361.45	6327.51	6198.18	6018.51	5767.45	5493.57	5124.87	4826.41
90.0	6362.62	6289.47	6125.02	5901.47	5645.14	5301.03	5000.22	4686.54	4377.54
135.0	6333.36	6357.94	6273.09	6080.55	5779.74	5507.03	5196.86	4886.69	4489.90
180.0	6356.19	6345.65	6198.18	5971.69	5643.97	5357.79	5044.70	4711.12	4317.26
225.0	6336.87	6188.81	5965.26	5699.56	5344.92	5032.41	4626.26	4304.97	3997.15
270.0	6362.62	6345.65	6243.82	6096.35	5809.00	5527.51	5164.67	4843.97	4522.09
315.0	6333.36	6243.24	6071.77	5873.96	5609.44	5311.56	4923.56	4609.88	4283.91
360.0	6356.19	6304.69	6167.16	5986.91	5762.77	5484.20	5114.93	4802.41	4490.49

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4170.96	3781.78	3497.36	3225.23	2891.66	2662.83	2398.90	2206.94	2039.57
45.0	4518.58	4206.66	3828.02	3551.79	3201.82	2943.16	2699.12	2431.67	2236.79
90.0	4009.43	3715.65	3347.55	3079.51	2827.28	2544.03	2336.86	2150.18	1982.22
135.0	4183.83	3898.83	3593.93	3235.77	2969.49	2721.35	2441.03	2234.45	2057.12
180.0	4016.46	3716.24	3406.07	3058.44	2792.75	2547.54	2331.59	2091.65	1912.57
225.0	3693.41	3390.27	3045.57	2781.05	2535.84	2269.56	2077.02	1906.72	1757.49
270.0	4123.55	3816.90	3519.60	3159.69	2882.29	2625.96	2408.84	2164.22	1977.53
315.0	3961.45	3585.15	3300.14	3029.77	2720.77	2496.04	2288.29	2067.07	1905.55
360.0	4170.96	3781.78	3497.36	3225.23	2891.66	2662.83	2398.90	2206.94	2039.57

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1857.56	1727.64	1612.35	1505.84	1383.53	1160.68	1160.68	1121.00	1044.22
45.0	2066.49	1909.06	1744.03	1628.15	1521.64	1421.57	1309.21	1224.93	1145.34
90.0	1800.80	1676.14	1561.44	1456.68	1277.02	1162.20	1162.20	1067.39	989.38
135.0	1860.49	1723.55	1576.07	1465.46	1366.56	1274.09	1169.34	1087.41	1010.74
180.0	1727.64	1603.58	1483.02	1346.08	1247.76	1164.07	1066.34	986.16	911.84
225.0	1591.29	1473.07	1279.95	1162.26	1162.26	1059.08	985.87	908.97	833.30
270.0	1821.28	1689.60	1530.42	1420.98	1318.57	1208.55	1127.20	1032.98	956.90
315.0	1759.24	1604.75	1493.55	1395.82	1151.49	1151.49	1111.93	1038.13	945.96
360.0	1857.56	1727.64	1612.35	1505.84	1383.53	1160.68	1160.68	1121.00	1044.22

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	947.19	869.88	793.62	696.36	620.40	539.87	443.95	373.96	295.48
45.0	1048.78	969.19	892.53	795.38	715.79	616.30	537.88	461.80	389.82
90.0	915.29	819.49	742.94	646.15	565.39	486.79	413.29	346.86	270.02
135.0	934.08	838.10	760.85	684.19	603.43	506.28	430.20	344.76	297.94
180.0	842.78	768.46	670.73	594.65	515.06	428.44	353.53	306.72	306.72
225.0	738.67	660.66	580.43	500.31	407.61	341.89	284.24	230.93	174.10
270.0	881.99	807.67	708.18	630.35	551.93	476.43	386.31	324.27	308.47
315.0	869.29	793.39	712.57	613.43	535.25	457.88	370.74	308.76	241.17
360.0	947.19	869.88	793.62	696.36	620.40	539.87	443.95	373.96	295.48

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	240.18	191.31	149.76	108.38	83.80	65.49	52.49	41.20	35.11
45.0	311.98	296.77	296.77	153.86	110.90	85.44	66.54	53.08	41.61
90.0	216.07	169.07	129.22	92.00	71.34	56.47	43.72	37.04	32.19
135.0	297.94	174.34	125.76	95.51	73.68	55.36	45.41	38.33	33.36
180.0	174.16	129.63	100.19	79.77	62.44	51.09	40.67	35.41	31.25
225.0	136.30	105.93	77.54	61.39	47.23	39.62	34.24	30.37	26.80
270.0	308.47	158.77	124.24	96.45	70.75	56.30	43.95	37.34	32.66
315.0	192.01	151.51	118.22	86.32	67.30	54.13	44.54	36.46	32.13
360.0	240.18	191.31	149.76	108.38	83.80	65.49	52.49	41.20	35.11

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	30.84	27.68	24.70	22.94	21.13	20.01	19.14	18.26	17.79
45.0	35.58	31.25	27.33	25.05	23.12	21.24	20.07	19.14	18.32
90.0	27.97	25.52	23.12	21.59	20.37	19.37	18.43	17.85	17.56
135.0	28.97	26.34	24.29	22.65	21.01	19.90	19.02	18.26	17.85
180.0	28.15	25.16	23.35	21.95	20.42	19.49	18.61	18.08	17.73
225.0	24.76	23.00	21.59	20.19	19.25	18.55	17.97	17.62	17.44
270.0	28.44	25.98	24.05	22.41	21.13	19.84	19.02	18.38	17.97
315.0	28.85	26.39	23.94	22.36	20.78	19.78	18.96	18.20	17.85
360.0	30.84	27.68	24.70	22.94	21.13	20.01	19.14	18.26	17.79

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.56	17.38	17.44	17.62	17.91	18.32	18.43	18.38	17.97
45.0	17.91	17.62	17.44	17.50	17.67	17.91	18.14	18.38	18.32
90.0	17.32	17.26	17.32	17.50	17.85	18.08	18.14	17.85	17.38
135.0	17.56	17.44	17.44	17.56	17.79	18.02	18.20	18.26	17.91
180.0	17.50	17.44	17.50	17.62	17.91	18.08	18.14	17.97	17.44
225.0	17.38	17.50	17.67	17.97	18.14	18.20	17.97	17.50	16.62
270.0	17.62	17.56	17.56	17.73	17.91	18.26	18.38	18.20	17.79
315.0	17.62	17.50	17.62	17.85	18.08	18.26	18.38	18.20	17.73
360.0	17.56	17.38	17.44	17.62	17.91	18.32	18.43	18.38	17.97

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.26	16.39	15.16	14.10	13.23	12.41	11.88	11.53	11.29
45.0	17.97	17.09	16.21	14.92	13.87	13.11	12.41	11.82	11.53
90.0	16.62	15.51	14.51	13.64	12.87	12.23	11.76	11.47	11.29
135.0	17.38	16.56	15.33	14.40	13.64	12.82	12.29	11.94	12.11
180.0	16.62	15.68	14.46	13.58	12.93	12.35	12.64	12.87	12.17
225.0	15.68	14.34	13.46	12.70	12.11	11.65	11.29	11.00	10.77
270.0	16.97	16.04	14.98	13.69	12.87	12.29	11.76	11.35	11.06
315.0	16.74	15.74	14.69	13.46	12.70	12.00	11.59	11.29	11.06
360.0	17.26	16.39	15.16	14.10	13.23	12.41	11.88	11.53	11.29

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.06	10.77	10.65	10.48	10.30	10.12	9.95	9.71	9.54
45.0	11.24	10.94	10.71	10.53	10.42	10.18	10.07	9.89	9.60
90.0	11.35	11.59	11.41	11.18	11.29	10.83	10.53	10.07	9.48
135.0	12.93	13.28	13.17	13.52	12.93	12.47	11.76	11.18	10.30
180.0	11.88	11.29	10.77	10.48	10.30	10.12	9.95	9.71	9.54
225.0	10.59	10.42	10.24	10.12	9.95	9.71	9.54	9.36	9.19
270.0	10.83	10.59	10.48	10.30	10.18	10.01	9.71	9.48	9.31
315.0	10.83	10.65	10.53	10.48	10.36	10.07	9.89	9.60	9.31
360.0	11.06	10.77	10.65	10.48	10.30	10.12	9.95	9.71	9.54

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.36	9.07	8.84	8.66	8.54	8.43	8.25	8.13	8.02
45.0	9.48	9.25	9.01	8.90	8.72	8.60	8.31	8.19	8.13
90.0	9.19	8.95	8.84	8.66	8.49	8.31	8.19	8.08	7.96
135.0	9.60	9.25	9.01	8.84	8.66	8.37	8.19	8.08	8.02
180.0	9.36	9.13	8.84	8.72	8.49	8.25	8.08	8.02	7.90
225.0	9.01	8.84	8.66	8.54	8.31	8.19	8.08	7.96	7.96
270.0	9.13	8.95	8.78	8.60	8.49	8.37	8.25	8.08	7.96
315.0	9.07	8.90	8.72	8.60	8.49	8.31	8.13	8.02	7.90
360.0	9.36	9.07	8.84	8.66	8.54	8.43	8.25	8.13	8.02

Intensity data(cd)

C/γ(°)	90.0
0.0	7.96
45.0	8.02
90.0	7.96
135.0	7.90
180.0	7.90
225.0	7.96
270.0	7.90
315.0	7.90
360.0	7.96