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: 2-2685-L
Luminaire: 92.70.411.00
Report No: 2024402-B016
Ballast type: AC

Test No: 2024402-C016	Voltage(V): 35.160
LampCAT: LUMILEDS LUXEON 1205	Current(A): 0.485
Lamp flux(lm): 2202.0	Power (W): 17.052
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1896.38, Efficiency(%): 86.12% , Luminous Efficacy(lm/W): 111.21
Central intensity(cd): 3277.319, Maximum intensity(cd): 3277.319
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=44.6
[C90/270]Total=44.6
Field angle(10%Imax): [C0/180]Total=69.6
[C90/270]Total=69.6
Maximum s/h(1/2): C0_180=0.71 C90_270=0.71
Maximum s/h(1/4): C0_180=0.71 C90_270=0.71
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 86.12%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.930%

NT 2-2685-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3277.319	0.000	0	0.00%	0.00%
1.0	3270.076	3.133	3.133	0.14%	0.17%
2.0	3258.079	9.370	12.503	0.43%	0.66%
3.0	3240.230	15.542	28.044	0.71%	1.48%
4.0	3220.113	21.625	49.669	0.98%	2.62%
5.0	3192.461	27.587	77.256	1.25%	4.07%
6.0	3156.543	33.366	110.622	1.52%	5.83%
7.0	3115.211	38.929	149.55	1.77%	7.89%
8.0	3061.956	44.209	193.759	2.01%	10.22%
9.0	3005.408	49.173	242.932	2.23%	12.81%
10.0	2938.766	53.793	296.724	2.44%	15.65%
11.0	2865.247	57.994	354.718	2.63%	18.71%
12.0	2779.950	61.710	416.428	2.80%	21.96%
13.0	2696.629	64.993	481.422	2.95%	25.39%
14.0	2602.481	67.828	549.25	3.08%	28.96%
15.0	2503.797	70.101	619.351	3.18%	32.66%
16.0	2393.629	71.761	691.112	3.26%	36.44%
17.0	2288.435	72.912	764.024	3.31%	40.29%
18.0	2171.609	73.536	837.561	3.34%	44.17%
19.0	2046.298	73.383	910.944	3.33%	48.04%
20.0	1918.499	72.567	983.511	3.30%	51.86%
21.0	1798.455	71.373	1054.884	3.24%	55.63%
22.0	1675.485	69.810	1124.694	3.17%	59.31%
23.0	1553.538	67.754	1192.447	3.08%	62.88%
24.0	1428.410	65.196	1257.644	2.96%	66.32%
25.0	1295.637	61.939	1319.582	2.81%	69.58%
26.0	1207.217	59.080	1378.663	2.68%	72.70%
27.0	1132.974	57.253	1435.916	2.60%	75.72%
28.0	1024.385	54.620	1490.536	2.48%	78.60%
29.0	917.428	50.803	1541.339	2.31%	81.28%
30.0	814.787	46.769	1588.108	2.12%	83.74%
31.0	701.736	42.203	1630.311	1.92%	85.97%
32.0	594.098	37.124	1667.435	1.69%	87.93%
33.0	493.286	32.035	1699.47	1.45%	89.62%
34.0	402.518	27.110	1726.58	1.23%	91.05%
35.0	313.147	22.226	1748.805	1.01%	92.22%
36.0	260.330	18.260	1767.065	0.83%	93.18%
37.0	193.124	14.789	1781.854	0.67%	93.96%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	128.040	10.720	1792.574	0.49%	94.53%
39.0	78.954	7.065	1799.64	0.32%	94.90%
40.0	64.375	4.999	1804.638	0.23%	95.16%
41.0	56.386	4.300	1808.939	0.20%	95.39%
42.0	50.622	3.888	1812.826	0.18%	95.59%
43.0	45.772	3.571	1816.397	0.16%	95.78%
44.0	41.829	3.306	1819.703	0.15%	95.96%
45.0	38.610	3.091	1822.795	0.14%	96.12%
46.0	36.218	2.926	1825.721	0.13%	96.27%
47.0	34.002	2.793	1828.514	0.13%	96.42%
48.0	32.151	2.674	1831.188	0.12%	96.56%
49.0	30.424	2.570	1833.758	0.12%	96.70%
50.0	28.969	2.476	1836.234	0.11%	96.83%
51.0	27.601	2.393	1838.628	0.11%	96.95%
52.0	26.255	2.311	1840.939	0.10%	97.08%
53.0	25.048	2.232	1843.17	0.10%	97.19%
54.0	24.060	2.164	1845.335	0.10%	97.31%
55.0	23.102	2.105	1847.44	0.10%	97.42%
56.0	22.231	2.048	1849.488	0.09%	97.53%
57.0	21.434	1.996	1851.485	0.09%	97.63%
58.0	20.549	1.941	1853.426	0.09%	97.74%
59.0	19.700	1.882	1855.308	0.09%	97.83%
60.0	18.874	1.822	1857.13	0.08%	97.93%
61.0	18.047	1.762	1858.892	0.08%	98.02%
62.0	17.147	1.696	1860.588	0.08%	98.11%
63.0	16.342	1.629	1862.217	0.07%	98.20%
64.0	15.640	1.569	1863.786	0.07%	98.28%
65.0	14.887	1.511	1865.297	0.07%	98.36%
66.0	14.316	1.457	1866.754	0.07%	98.44%
67.0	13.841	1.416	1868.17	0.06%	98.51%
68.0	13.387	1.379	1869.549	0.06%	98.59%
69.0	13.014	1.347	1870.896	0.06%	98.66%
70.0	12.868	1.329	1872.225	0.06%	98.73%
71.0	12.860	1.330	1873.555	0.06%	98.80%
72.0	12.919	1.340	1874.895	0.06%	98.87%
73.0	13.007	1.356	1876.251	0.06%	98.94%
74.0	13.080	1.371	1877.622	0.06%	99.01%
75.0	13.094	1.383	1879.005	0.06%	99.08%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.058	1.388	1880.394	0.06%	99.16%
77.0	12.948	1.387	1881.78	0.06%	99.23%
78.0	12.787	1.378	1883.158	0.06%	99.30%
79.0	12.590	1.363	1884.521	0.06%	99.37%
80.0	12.297	1.342	1885.863	0.06%	99.45%
81.0	11.851	1.306	1887.169	0.06%	99.51%
82.0	11.302	1.256	1888.424	0.06%	99.58%
83.0	10.615	1.191	1889.616	0.05%	99.64%
84.0	9.854	1.115	1890.731	0.05%	99.70%
85.0	9.195	1.040	1891.77	0.05%	99.76%
86.0	8.720	0.979	1892.75	0.04%	99.81%
87.0	8.427	0.938	1893.688	0.04%	99.86%
88.0	8.222	0.912	1894.6	0.04%	99.91%
89.0	8.069	0.893	1895.493	0.04%	99.95%
90.0	8.032	0.883	1896.376	0.04%	100.00%

Zonal flux distribution table

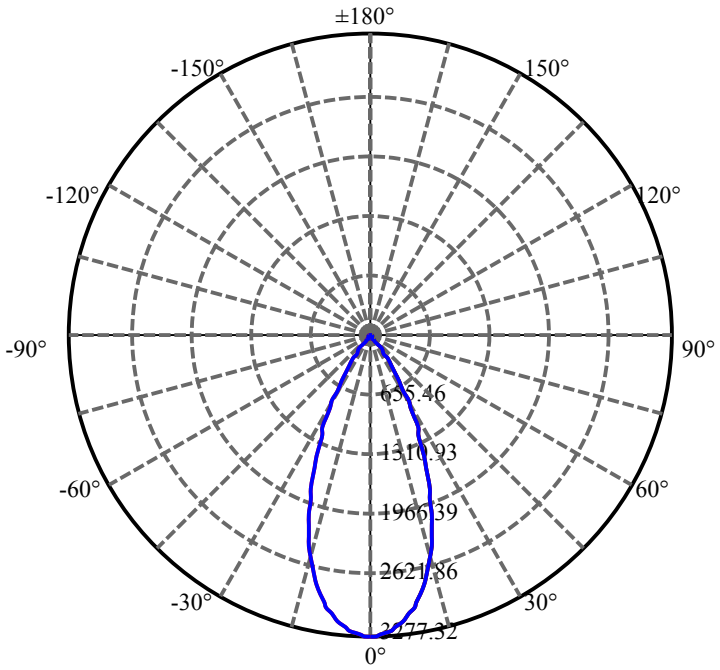
ZONAL LUMEN SUMMARY

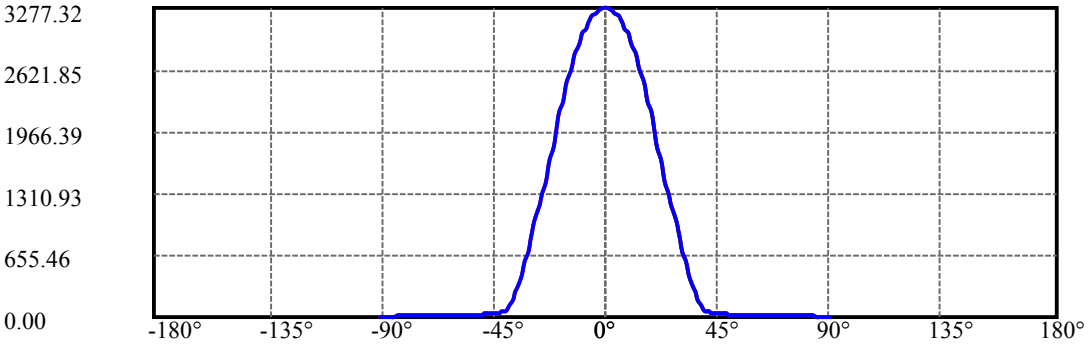
Zone	Lumens	%Lamp	%Fixt
0-30	1588.11	72.12%	83.74%
0-40	1804.64	81.95%	95.16%
0-60	1857.13	84.34%	97.93%
0-90	1895.49	86.08%	99.95%
0-120	1895.49	86.08%	99.95%
0-180	1896.38	86.12%	100.00%
60-90	38.36	1.74%	2.02%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.52	1517.10	68.90%	80.00%

ZONAL LUMEN SUMMARY

0-10	296.72
10-20	686.79
20-30	604.60
30-40	216.53
40-50	31.60
50-60	20.90
60-70	15.09
70-80	13.64
80-90	9.63
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:34.8 Right:34.8
:C90/270Left:34.8 Right:34.8

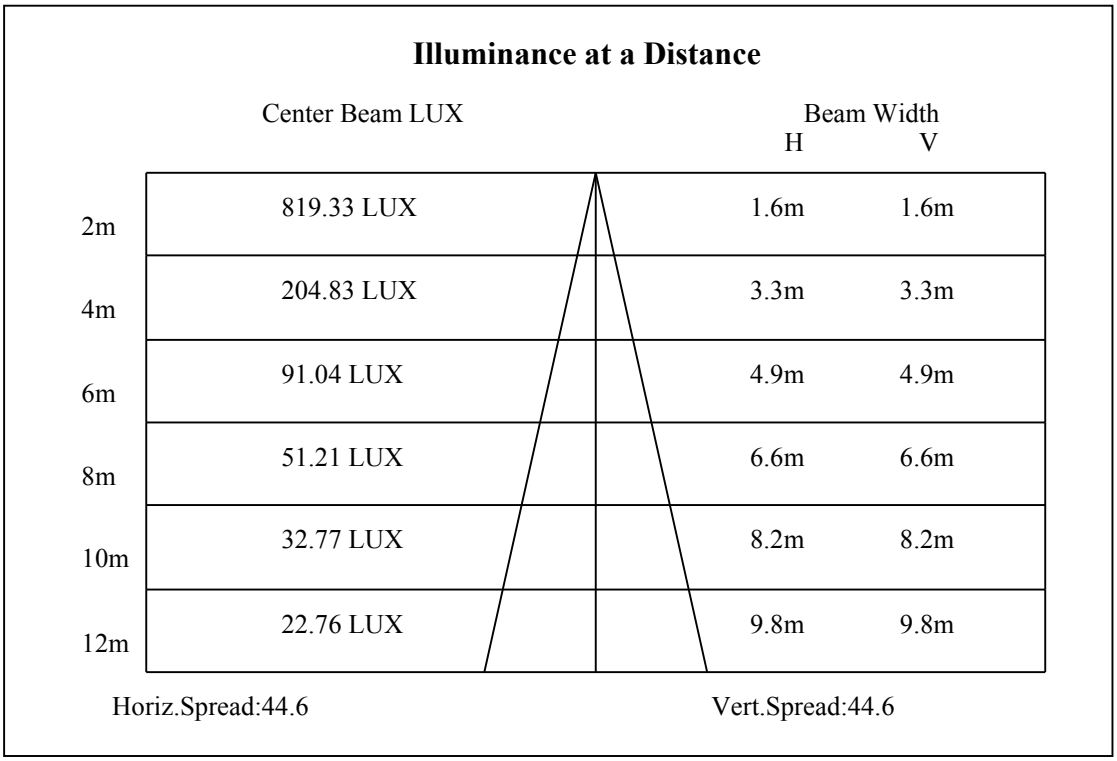
Beam Angle(50%Imax):C0/180Left:22.3 Right:22.3
:C90/270Left:22.3 Right:22.3

Equipment: GMS1980
Temperature(°C): 25.0

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

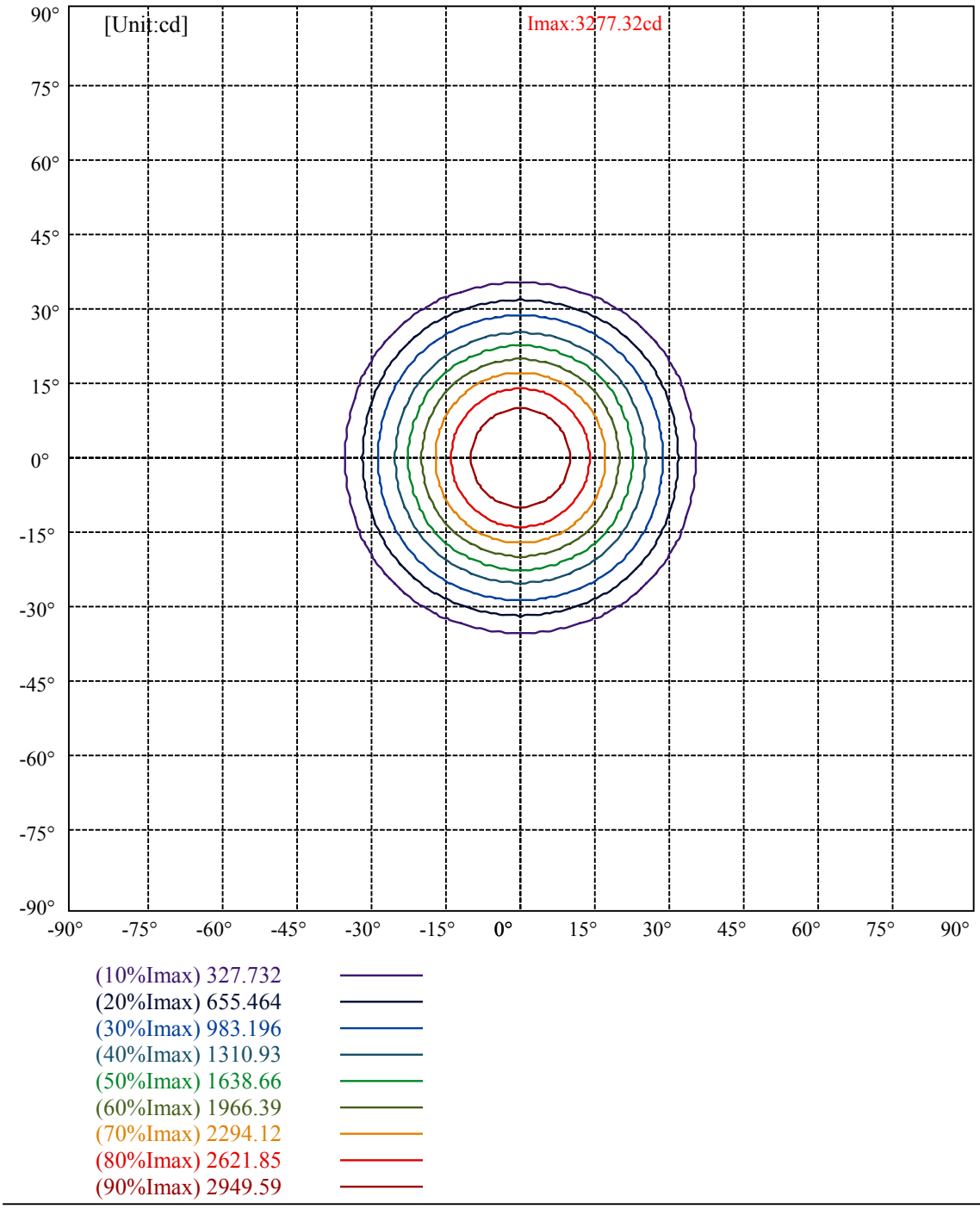
Operator: NT07
Distance(m): 7.65

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)



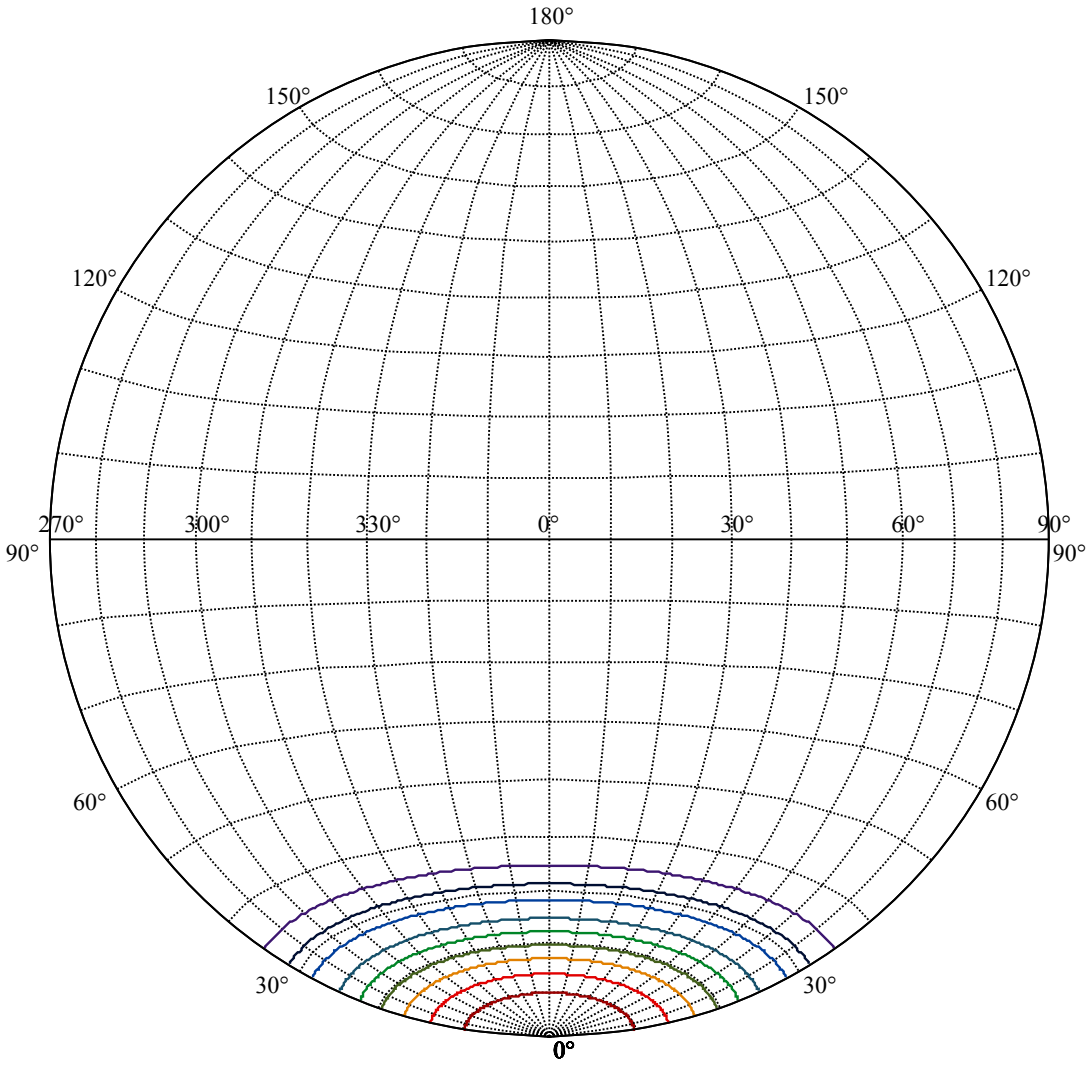
(10%Imax) 327.732
(20%Imax) 655.464
(30%Imax) 983.196
(40%Imax) 1310.93
(50%Imax) 1638.66
(60%Imax) 1966.39
(70%Imax) 2294.12
(80%Imax) 2621.85
(90%Imax) 2949.59

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



House [Unit:cd] Road

Imax:3277.32

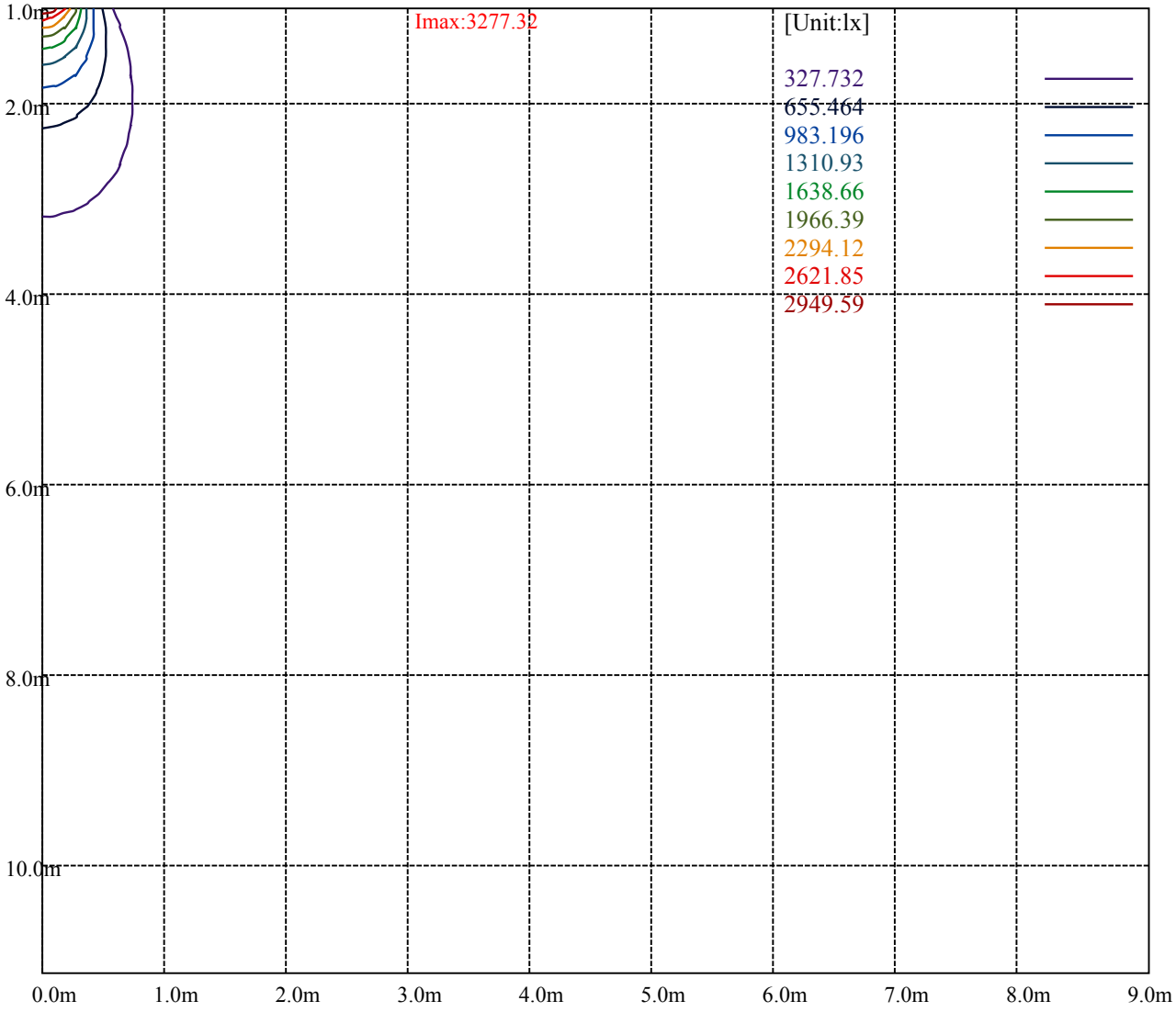
(10%Imax) 327.732
(20%Imax) 655.464
(30%Imax) 983.196
(40%Imax) 1310.93
(50%Imax) 1638.66
(60%Imax) 1966.39
(70%Imax) 2294.12
(80%Imax) 2621.85
(90%Imax) 2949.59

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

Luminance Limitting Curve(no luminous side)

Luminance Table

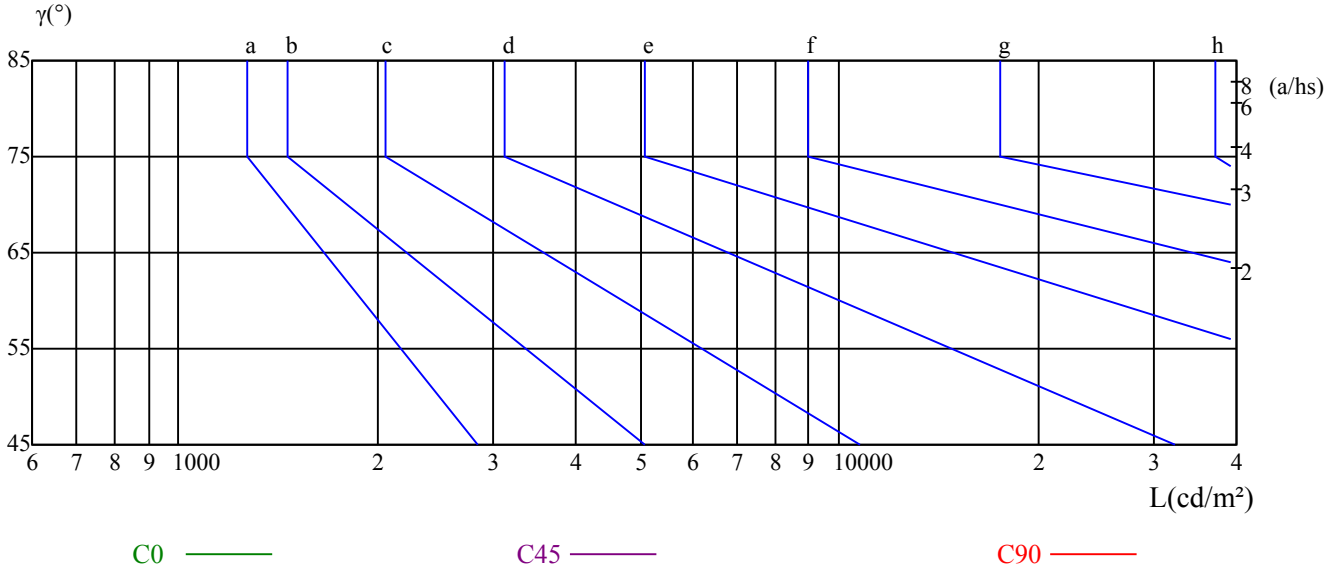
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

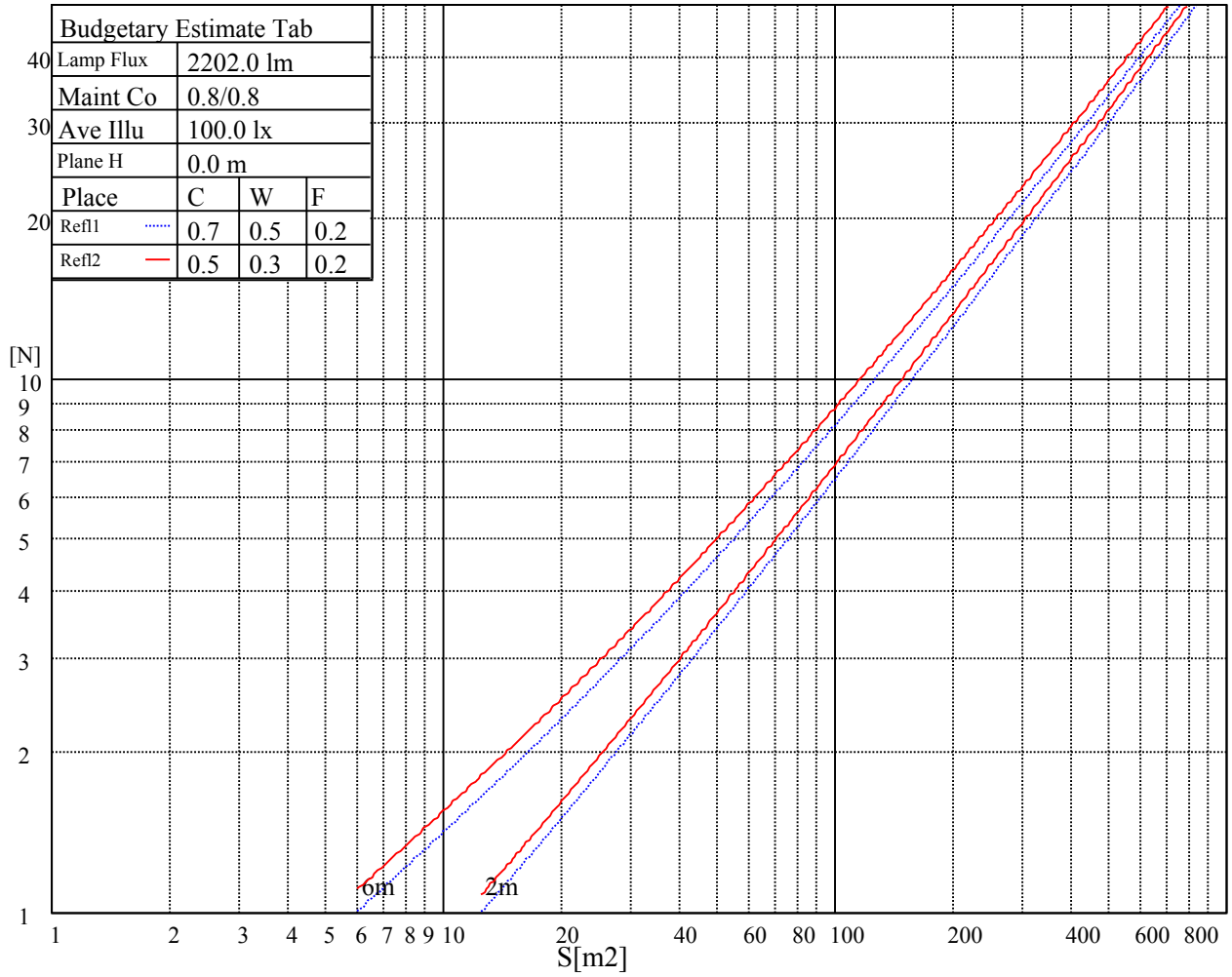
Luminance Limitting Curve



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	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	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	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	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	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	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
	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	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
	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	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	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
	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	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	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
	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	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

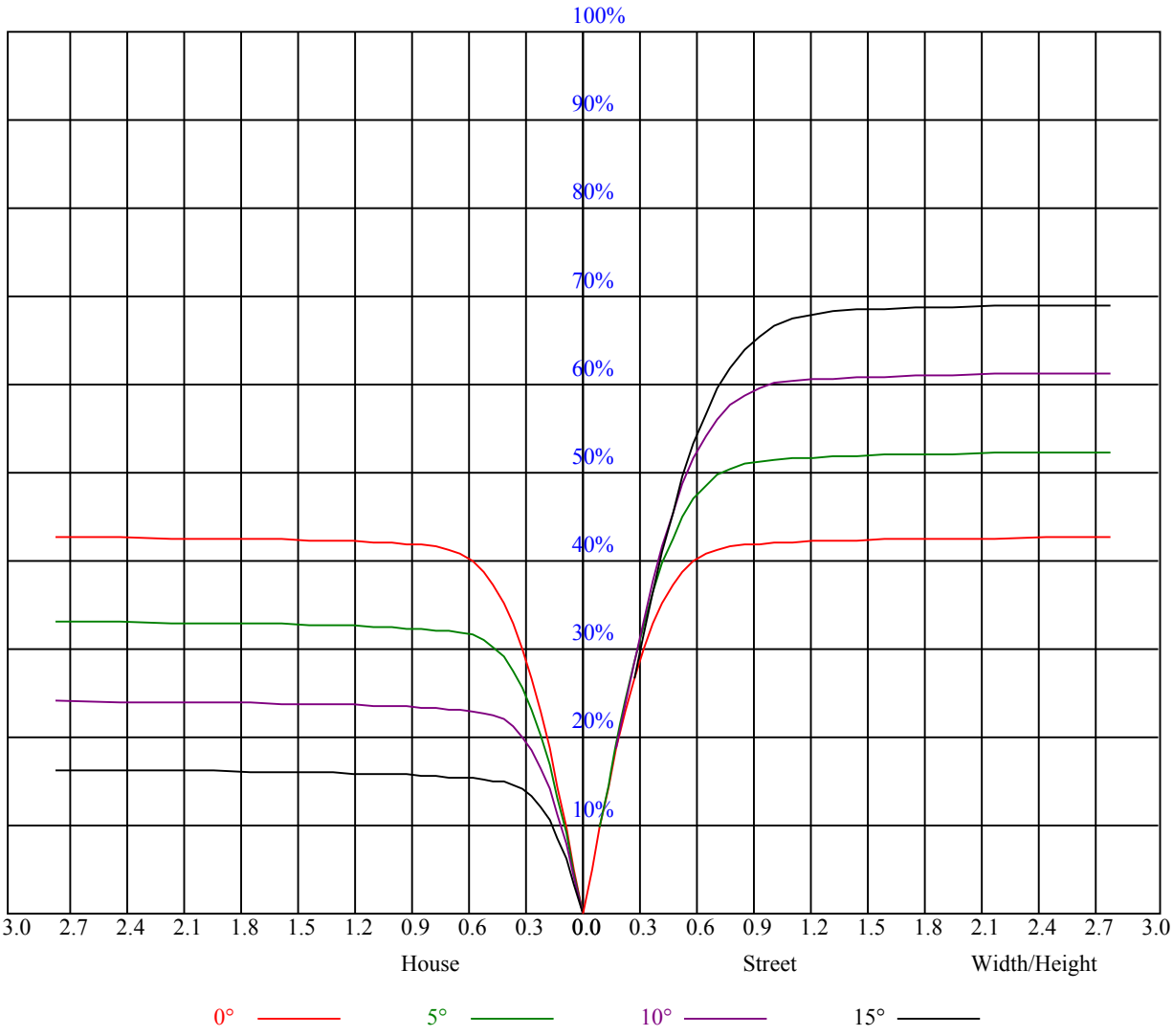


Equipment: GMS1980	Date: 2024/4/02	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

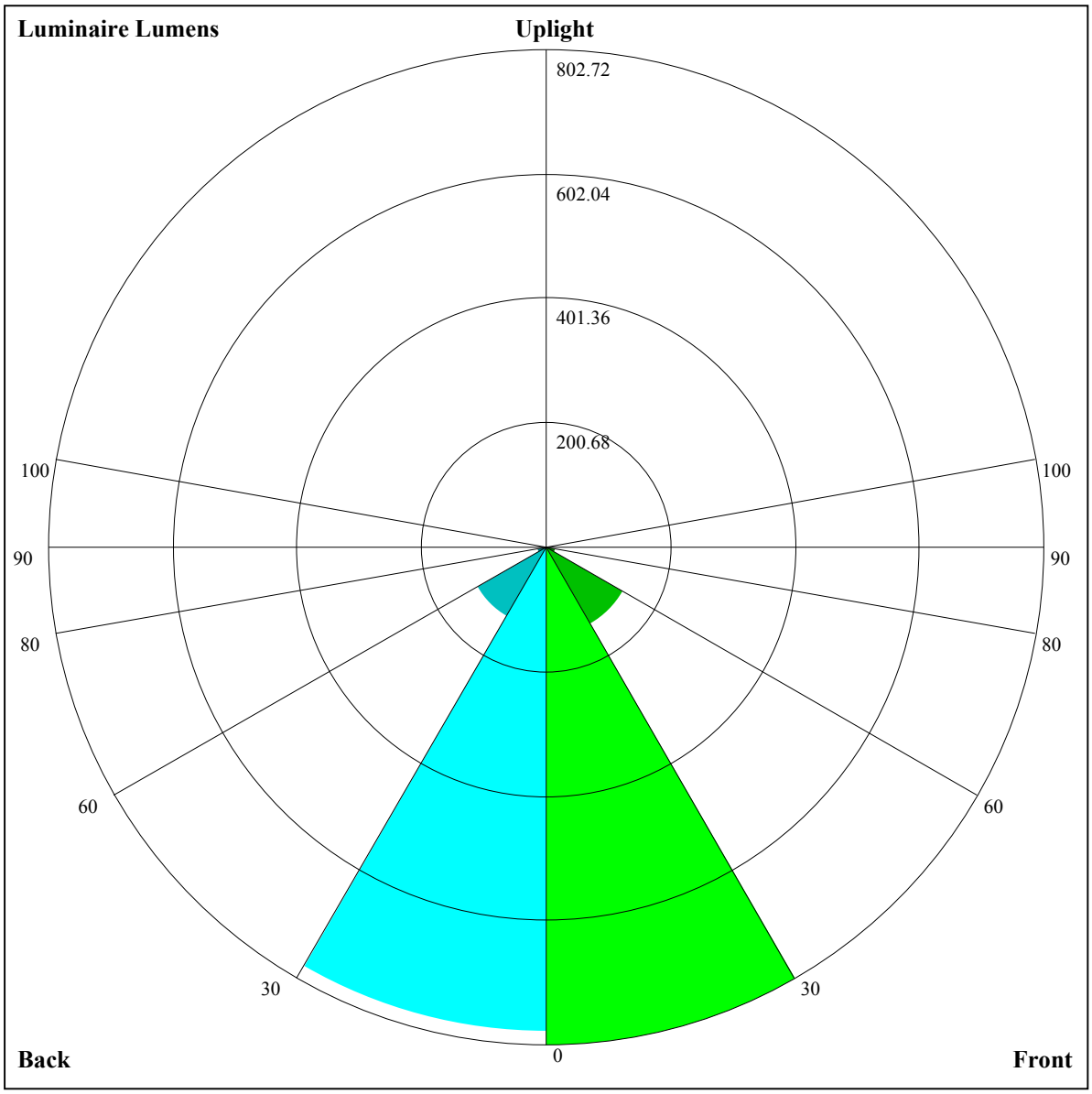
Utilization factor table for indoor luminaire

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	1.03	1.03	1.03	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.92	0.90	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	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	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.72
4	0.80	0.75	0.72	0.79	0.75	0.71	0.77	0.73	0.71	0.75	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.70	0.68	0.65	0.64
6	0.71	0.67	0.63	0.71	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
7	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.58
8	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.55
9	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.60	0.56	0.54	0.59	0.56	0.53	0.52
10	0.59	0.54	0.51	0.59	0.54	0.51	0.58	0.54	0.51	0.57	0.54	0.51	0.57	0.53	0.51	0.50

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=802.72,FM=142.48,FH=14.4,FVH=5.32
BL=781.11,BM=127.76,BH=14.33,BVH=5.23
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	3279.66	3273.81	3262.69	3247.47	3221.72	3197.73	3164.96	3128.67	3073.07
45.0	3275.56	3278.49	3272.05	3262.10	3249.23	3233.43	3211.19	3177.83	3140.38
90.0	3277.90	3264.44	3252.15	3233.43	3216.46	3190.71	3153.84	3114.04	3056.10
135.0	3276.15	3272.64	3267.37	3250.40	3234.01	3205.34	3177.25	3141.55	3084.78
180.0	3279.66	3278.49	3262.10	3243.96	3225.82	3186.02	3150.91	3105.26	3052.59
225.0	3275.56	3256.84	3241.03	3217.63	3186.02	3150.32	3095.31	3040.89	2975.93
270.0	3277.90	3274.39	3264.44	3246.30	3227.57	3202.41	3169.64	3128.67	3078.34
315.0	3276.15	3261.52	3242.79	3220.55	3200.07	3173.73	3129.26	3084.78	3034.45
360.0	3279.66	3273.81	3262.69	3247.47	3221.72	3197.73	3164.96	3128.67	3073.07

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3022.16	2962.47	2899.85	2805.04	2726.04	2619.53	2524.72	2427.57	2325.16
45.0	3100.00	3050.25	2977.68	2910.97	2833.72	2731.89	2641.76	2523.55	2427.57
90.0	3001.68	2936.72	2848.35	2764.66	2678.05	2594.36	2476.15	2375.49	2264.88
135.0	3032.69	2979.44	2905.12	2812.65	2737.16	2655.22	2558.66	2436.94	2336.28
180.0	2984.12	2916.23	2843.67	2771.68	2668.68	2582.07	2490.78	2368.46	2259.03
225.0	2909.21	2818.50	2741.84	2665.17	2578.56	2461.51	2362.61	2256.69	2145.49
270.0	3008.12	2945.50	2874.68	2776.95	2698.53	2606.65	2522.38	2405.33	2300.58
315.0	2985.29	2901.02	2830.79	2732.47	2652.30	2568.61	2453.32	2355.00	2248.49
360.0	3022.16	2962.47	2899.85	2805.04	2726.04	2619.53	2524.72	2427.57	2325.16

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2189.39	2070.58	1955.30	1812.50	1702.48	1593.04	1487.70	1365.39	1148.27
45.0	2323.40	2217.48	2075.85	1958.22	1846.44	1707.75	1598.31	1492.38	1391.14
90.0	2154.86	2015.57	1898.53	1782.65	1640.44	1531.01	1425.67	1157.40	1157.40
135.0	2230.35	2093.41	1978.70	1859.90	1717.11	1600.06	1470.14	1369.49	1267.66
180.0	2147.83	2010.31	1892.09	1768.02	1620.55	1514.62	1409.28	1306.28	1188.65
225.0	1999.77	1880.39	1735.25	1619.38	1511.69	1385.87	1146.81	1146.81	1097.82
270.0	2191.73	2089.31	1938.91	1820.11	1707.16	1569.05	1467.22	1368.31	1247.76
315.0	2135.54	1993.33	1873.36	1766.85	1658.00	1526.91	1422.16	1159.04	1159.04
360.0	2189.39	2070.58	1955.30	1812.50	1702.48	1593.04	1487.70	1365.39	1148.27

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1148.27	1081.09	958.54	865.43	738.20	633.51	537.35	447.23	335.39
45.0	1289.89	1169.92	1076.29	976.80	848.63	752.07	625.08	531.44	436.05
90.0	1110.17	983.47	885.09	790.11	665.40	564.33	470.99	385.20	283.66
135.0	1175.78	1051.12	946.95	846.29	745.05	620.40	526.76	431.95	346.51
180.0	1095.60	994.36	895.45	767.29	661.95	572.99	455.36	365.82	298.52
225.0	973.11	867.89	761.90	665.87	544.38	453.61	364.36	268.68	202.31
270.0	1157.05	1031.81	927.64	824.06	724.57	596.40	500.43	412.64	326.61
315.0	1113.92	1015.42	887.55	782.45	685.71	559.48	465.96	377.18	276.11
360.0	1148.27	1081.09	958.54	865.43	738.20	633.51	537.35	447.23	335.39

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	259.14	189.79	122.14	84.68	68.30	61.04	53.55	48.52	44.30
45.0	349.44	308.47	308.47	119.50	81.40	63.26	57.41	51.97	46.58
90.0	209.86	149.58	102.71	69.12	61.45	55.42	48.92	44.77	40.61
135.0	304.96	304.96	107.97	77.02	64.26	56.24	50.91	46.47	42.37
180.0	298.52	132.38	91.12	65.19	58.23	52.44	47.34	42.37	39.15
225.0	146.13	94.40	71.51	60.92	53.08	47.87	43.72	40.32	36.99
270.0	308.47	218.70	118.80	83.69	65.37	58.58	52.38	46.58	42.84
315.0	206.12	146.72	101.60	71.51	62.91	56.24	50.74	45.18	41.79
360.0	259.14	189.79	122.14	84.68	68.30	61.04	53.55	48.52	44.30

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	40.26	37.69	35.41	33.12	31.49	29.90	28.21	26.86	25.75
45.0	42.31	39.62	36.52	34.53	32.48	30.96	29.55	28.15	26.63
90.0	37.92	35.70	33.71	31.66	30.08	28.73	27.39	25.87	24.81
135.0	38.86	36.64	34.59	32.83	30.90	29.44	27.97	26.39	25.28
180.0	36.64	34.59	32.30	30.84	29.09	27.80	26.57	25.46	24.23
225.0	34.76	32.83	30.90	29.44	28.09	26.57	25.46	24.52	23.35
270.0	39.80	36.58	34.47	32.71	30.78	29.32	27.97	26.69	25.28
315.0	38.33	36.11	34.12	32.07	30.49	29.03	27.68	26.10	25.05
360.0	40.26	37.69	35.41	33.12	31.49	29.90	28.21	26.86	25.75

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.46	23.53	22.71	21.89	20.83	20.01	19.20	18.38	17.38
45.0	25.52	24.52	23.64	22.65	21.83	20.95	20.19	19.20	18.32
90.0	23.88	22.71	22.00	21.19	20.13	19.31	18.38	17.56	16.74
135.0	24.35	23.17	22.36	21.59	20.66	19.84	19.08	18.32	17.32
180.0	23.35	22.41	21.65	20.89	20.07	19.20	18.49	17.73	16.97
225.0	22.53	21.83	20.95	20.19	19.43	18.67	17.73	16.97	16.21
270.0	24.29	23.41	22.36	21.65	20.89	20.07	19.14	18.32	17.32
315.0	24.11	23.23	22.18	21.42	20.54	19.55	18.79	17.91	16.91
360.0	24.46	23.53	22.71	21.89	20.83	20.01	19.20	18.38	17.38

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.56	15.86	14.98	14.46	13.87	13.40	12.93	12.76	12.70
45.0	17.32	16.56	15.80	14.92	14.40	13.99	13.46	12.93	12.76
90.0	15.98	15.27	14.51	14.05	13.58	13.05	12.76	12.64	12.64
135.0	16.50	15.80	15.16	14.40	13.93	13.46	12.93	12.82	12.82
180.0	16.04	15.39	14.57	14.10	13.69	13.17	12.99	12.93	12.99
225.0	15.57	14.81	14.34	13.87	13.34	13.05	12.99	13.05	13.17
270.0	16.62	15.98	15.10	14.57	14.10	13.69	13.17	13.05	12.99
315.0	16.15	15.45	14.63	14.16	13.81	13.28	12.87	12.76	12.82
360.0	16.56	15.86	14.98	14.46	13.87	13.40	12.93	12.76	12.70

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.76	12.82	12.93	12.87	12.87	12.82	12.70	12.52	12.29
45.0	12.70	12.70	12.76	12.82	12.82	12.76	12.64	12.52	12.29
90.0	12.70	12.76	12.82	12.76	12.76	12.58	12.41	12.23	11.94
135.0	12.87	12.93	12.99	13.05	13.05	12.99	12.82	12.64	12.35
180.0	13.17	13.23	13.34	13.34	13.23	13.11	12.99	12.70	12.35
225.0	13.28	13.40	13.40	13.40	13.28	13.05	12.87	12.58	12.11
270.0	13.05	13.23	13.34	13.40	13.40	13.28	13.11	12.93	12.76
315.0	12.82	12.99	13.05	13.11	13.05	12.99	12.76	12.58	12.29
360.0	12.76	12.82	12.93	12.87	12.87	12.82	12.70	12.52	12.29

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.88	11.41	10.89	10.24	9.42	8.90	8.49	8.31	8.08
45.0	12.11	11.59	11.12	10.77	9.95	9.31	8.78	8.49	8.25
90.0	11.41	11.00	10.48	9.60	9.19	8.84	8.54	8.19	8.08
135.0	12.00	11.59	11.00	9.95	9.25	8.66	8.49	8.25	8.02
180.0	11.94	11.24	10.12	9.54	8.90	8.43	8.31	8.13	8.02
225.0	11.35	10.53	9.77	9.01	8.60	8.37	8.19	8.08	8.02
270.0	12.23	11.70	11.00	10.01	9.31	8.72	8.37	8.19	8.08
315.0	11.88	11.35	10.53	9.71	8.95	8.54	8.25	8.13	8.02
360.0	11.88	11.41	10.89	10.24	9.42	8.90	8.49	8.31	8.08

Intensity data(cd)

C/γ(°)	90.0
0.0	8.02
45.0	8.08
90.0	8.08
135.0	8.02
180.0	8.08
225.0	8.02
270.0	8.02
315.0	7.96
360.0	8.02