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: 2-2681-L
Luminaire: 92.70.411.00
Report No: 2024407-B018
Ballast type: AC

Test No: 2024407-C018	Voltage(V): 34.850
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.401
Lamp flux(lm): 2388.0	Power (W): 13.974
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1989.90, Efficiency(%): 83.33% , Luminous Efficacy(lm/W): 142.40
Central intensity(cd): 3616.018, Maximum intensity(cd): 3616.018
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=44.2
[C90/270]Total=44.2
Field angle(10%Imax): [C0/180]Total=67.6
[C90/270]Total=67.6
Maximum s/h(1/2): C0_180=0.71 C90_270=0.71
Maximum s/h(1/4): C0_180=0.69 C90_270=0.69
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.33%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.785%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3616.017	0.000	0	0.00%	0.00%
1.0	3613.457	3.459	3.459	0.14%	0.17%
2.0	3601.460	10.356	13.815	0.43%	0.69%
3.0	3581.636	17.180	30.994	0.72%	1.56%
4.0	3550.180	23.872	54.867	1.00%	2.76%
5.0	3509.433	30.370	85.237	1.27%	4.28%
6.0	3455.666	36.603	121.84	1.53%	6.12%
7.0	3397.875	42.540	164.38	1.78%	8.26%
8.0	3328.891	48.142	212.522	2.02%	10.68%
9.0	3255.665	53.364	265.887	2.23%	13.36%
10.0	3180.171	58.242	324.129	2.44%	16.29%
11.0	3089.973	62.652	386.78	2.62%	19.44%
12.0	3002.263	66.597	453.377	2.79%	22.78%
13.0	2904.530	70.099	523.476	2.94%	26.31%
14.0	2803.359	73.060	596.536	3.06%	29.98%
15.0	2701.750	75.577	672.113	3.16%	33.78%
16.0	2585.217	77.469	749.582	3.24%	37.67%
17.0	2467.952	78.691	828.273	3.30%	41.62%
18.0	2348.640	79.415	907.688	3.33%	45.61%
19.0	2226.840	79.604	987.292	3.33%	49.62%
20.0	2093.555	79.075	1066.367	3.31%	53.59%
21.0	1957.417	77.787	1144.154	3.26%	57.50%
22.0	1828.082	76.071	1220.226	3.19%	61.32%
23.0	1685.580	73.726	1293.952	3.09%	65.03%
24.0	1553.758	70.824	1364.775	2.97%	68.58%
25.0	1344.693	65.904	1430.68	2.76%	71.90%
26.0	1244.664	61.122	1491.802	2.56%	74.97%
27.0	1152.315	58.643	1550.444	2.46%	77.92%
28.0	1019.030	54.974	1605.418	2.30%	80.68%
29.0	888.445	49.905	1655.323	2.09%	83.19%
30.0	752.929	44.317	1699.64	1.86%	85.41%
31.0	631.802	38.535	1738.175	1.61%	87.35%
32.0	519.943	32.996	1771.171	1.38%	89.01%
33.0	426.863	27.893	1799.064	1.17%	90.41%
34.0	344.295	23.338	1822.402	0.98%	91.58%
35.0	275.187	19.239	1841.641	0.81%	92.55%
36.0	244.368	16.543	1858.183	0.69%	93.38%
37.0	167.784	13.442	1871.626	0.56%	94.06%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	116.855	9.501	1881.126	0.40%	94.53%
39.0	89.254	7.035	1888.161	0.29%	94.89%
40.0	70.139	5.559	1893.721	0.23%	95.17%
41.0	57.111	4.531	1898.252	0.19%	95.39%
42.0	48.779	3.847	1902.099	0.16%	95.59%
43.0	42.992	3.399	1905.498	0.14%	95.76%
44.0	38.925	3.092	1908.59	0.13%	95.91%
45.0	36.006	2.880	1911.47	0.12%	96.06%
46.0	33.767	2.729	1914.199	0.11%	96.20%
47.0	31.961	2.614	1916.813	0.11%	96.33%
48.0	30.490	2.525	1919.337	0.11%	96.45%
49.0	29.181	2.450	1921.788	0.10%	96.58%
50.0	28.120	2.389	1924.177	0.10%	96.70%
51.0	27.176	2.340	1926.516	0.10%	96.81%
52.0	26.291	2.294	1928.811	0.10%	96.93%
53.0	25.545	2.255	1931.066	0.09%	97.04%
54.0	24.770	2.218	1933.283	0.09%	97.15%
55.0	24.104	2.182	1935.465	0.09%	97.26%
56.0	23.365	2.145	1937.61	0.09%	97.37%
57.0	22.721	2.107	1939.717	0.09%	97.48%
58.0	22.085	2.072	1941.789	0.09%	97.58%
59.0	21.478	2.037	1943.826	0.09%	97.68%
60.0	20.900	2.002	1945.828	0.08%	97.79%
61.0	20.337	1.968	1947.796	0.08%	97.88%
62.0	19.795	1.934	1949.729	0.08%	97.98%
63.0	19.232	1.898	1951.627	0.08%	98.08%
64.0	18.669	1.860	1953.487	0.08%	98.17%
65.0	18.149	1.822	1955.309	0.08%	98.26%
66.0	17.593	1.783	1957.093	0.07%	98.35%
67.0	17.089	1.744	1958.837	0.07%	98.44%
68.0	16.598	1.706	1960.543	0.07%	98.52%
69.0	16.277	1.677	1962.22	0.07%	98.61%
70.0	16.064	1.661	1963.881	0.07%	98.69%
71.0	15.830	1.648	1965.53	0.07%	98.78%
72.0	15.472	1.628	1967.157	0.07%	98.86%
73.0	15.091	1.598	1968.755	0.07%	98.94%
74.0	14.689	1.566	1970.321	0.07%	99.02%
75.0	14.382	1.536	1971.857	0.06%	99.09%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.053	1.509	1973.367	0.06%	99.17%
77.0	13.687	1.479	1974.845	0.06%	99.24%
78.0	13.358	1.448	1976.293	0.06%	99.32%
79.0	12.919	1.412	1977.705	0.06%	99.39%
80.0	12.480	1.369	1979.074	0.06%	99.46%
81.0	11.982	1.323	1980.397	0.06%	99.52%
82.0	11.397	1.268	1981.665	0.05%	99.59%
83.0	10.900	1.212	1982.877	0.05%	99.65%
84.0	10.176	1.148	1984.025	0.05%	99.70%
85.0	9.488	1.073	1985.099	0.04%	99.76%
86.0	9.020	1.012	1986.11	0.04%	99.81%
87.0	8.771	0.974	1987.084	0.04%	99.86%
88.0	8.610	0.952	1988.036	0.04%	99.91%
89.0	8.500	0.938	1988.974	0.04%	99.95%
90.0	8.464	0.930	1989.904	0.04%	100.00%

Zonal flux distribution table

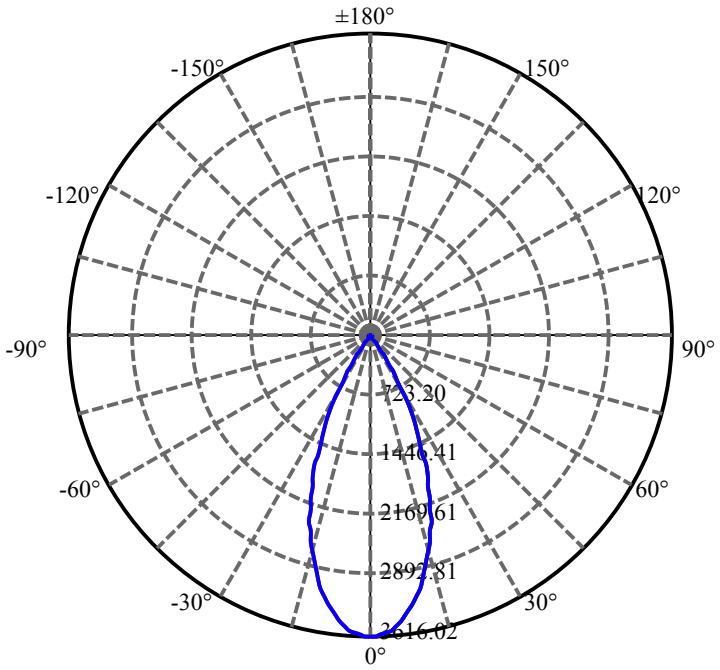
ZONAL LUMEN SUMMARY

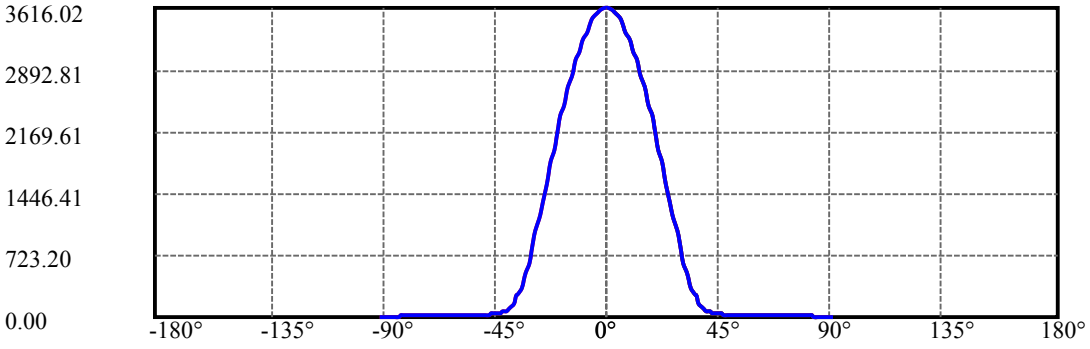
Zone	Lumens	%Lamp	%Fixt
0-30	1699.64	71.17%	85.41%
0-40	1893.72	79.30%	95.17%
0-60	1945.83	81.48%	97.79%
0-90	1988.97	83.29%	99.95%
0-120	1988.97	83.29%	99.95%
0-180	1989.90	83.33%	100.00%
60-90	43.15	1.81%	2.17%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.75	1591.92	66.66%	80.00%

ZONAL LUMEN SUMMARY

0-10	324.13
10-20	742.24
20-30	633.27
30-40	194.08
40-50	30.46
50-60	21.65
60-70	18.05
70-80	15.19
80-90	9.90
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:

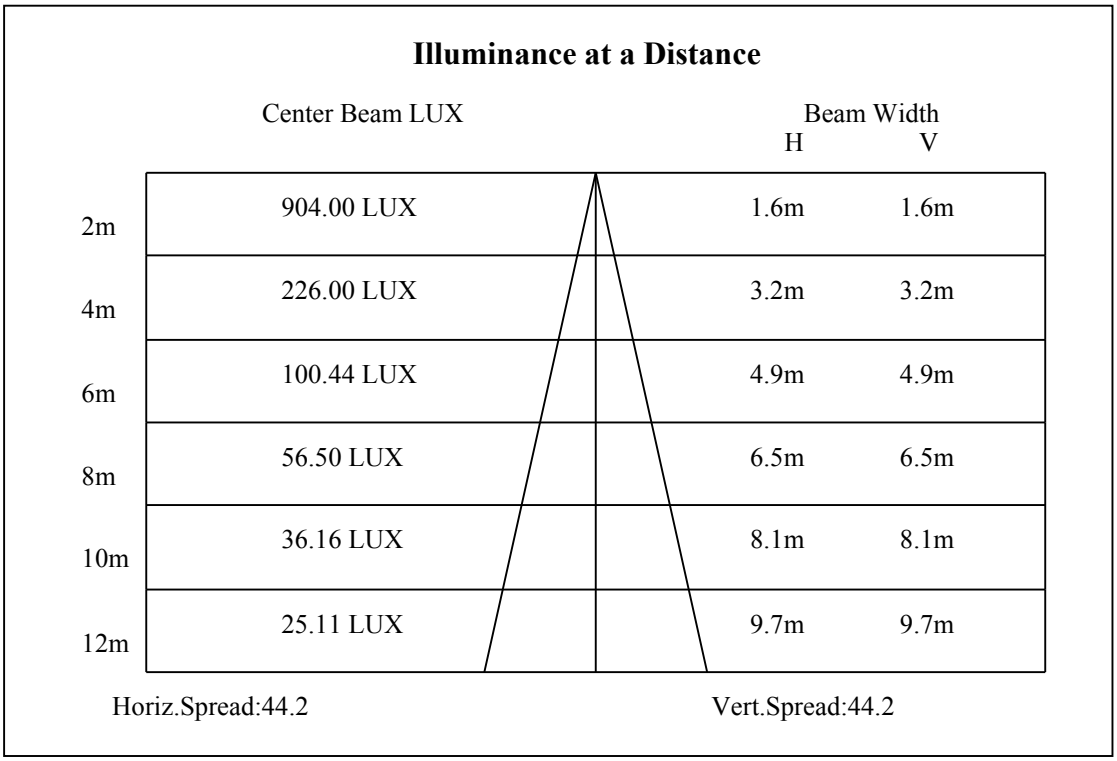
C90/C270:

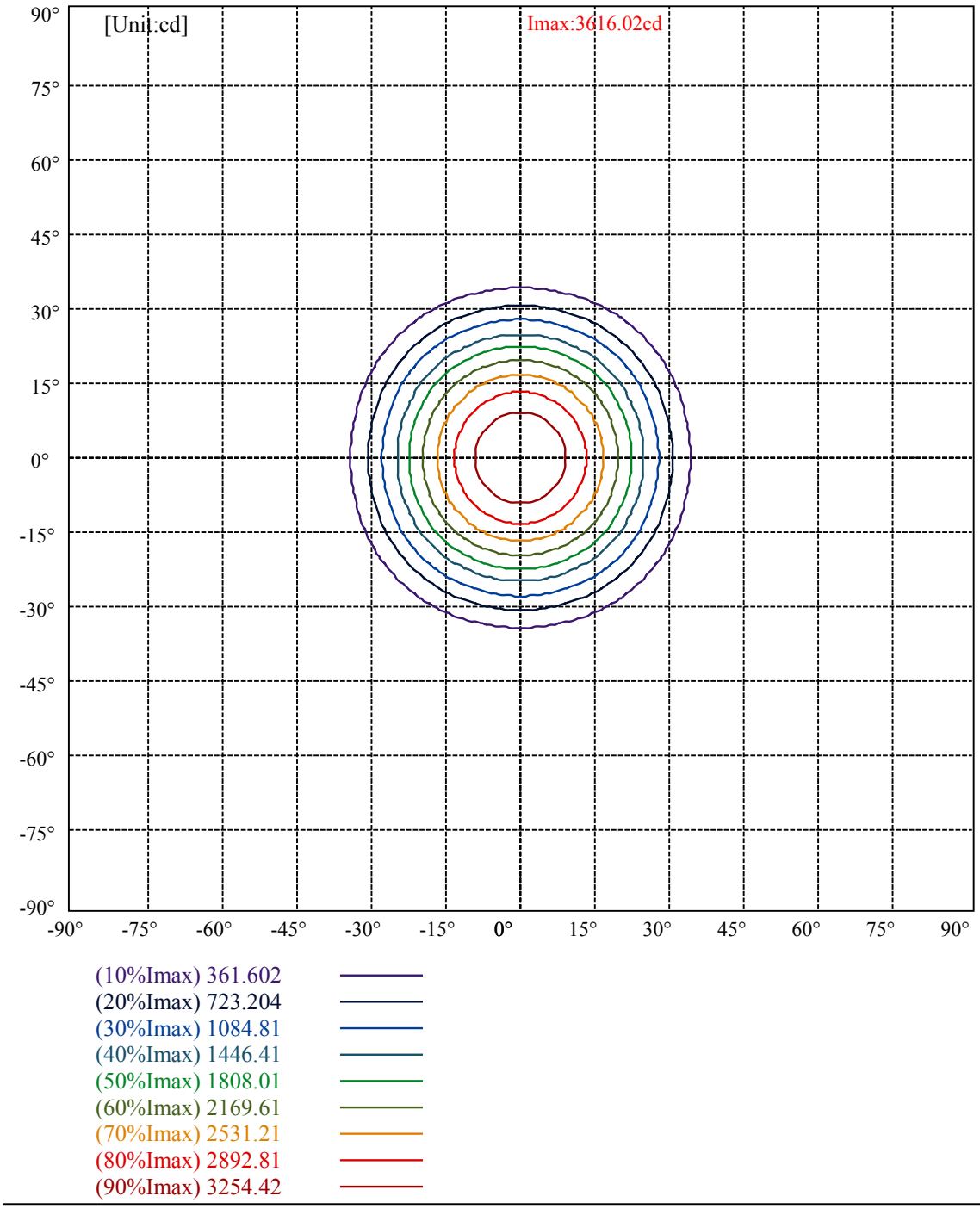
Field angle(10%Imax):C0/180Left:33.8 Right:33.8
:C90/270Left:33.8 Right:33.8

Beam Angle(50%Imax):C0/180Left:22.1 Right:22.1
:C90/270Left:22.1 Right:22.1

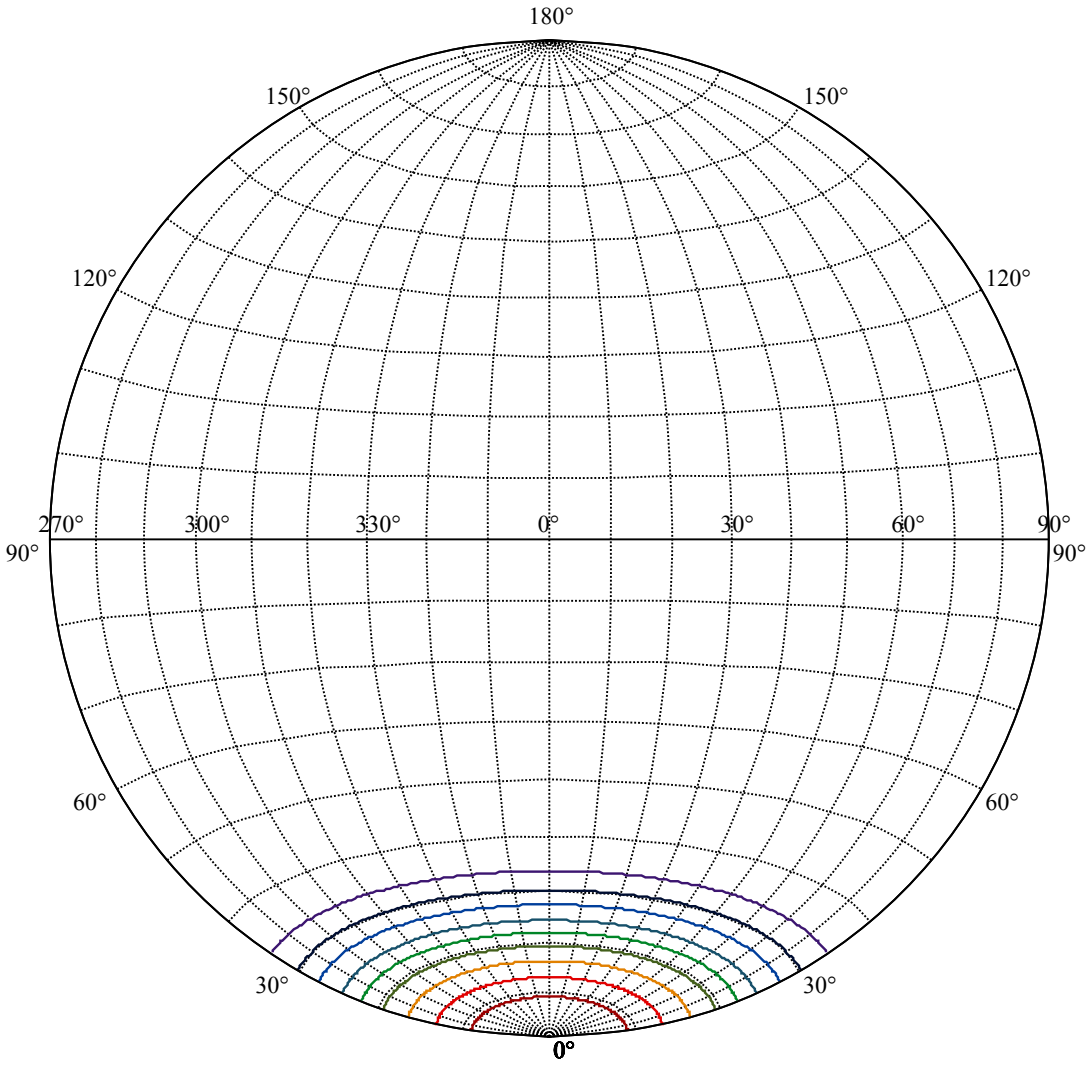
Equipment: GMS1980	Date: 2024/4/07	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



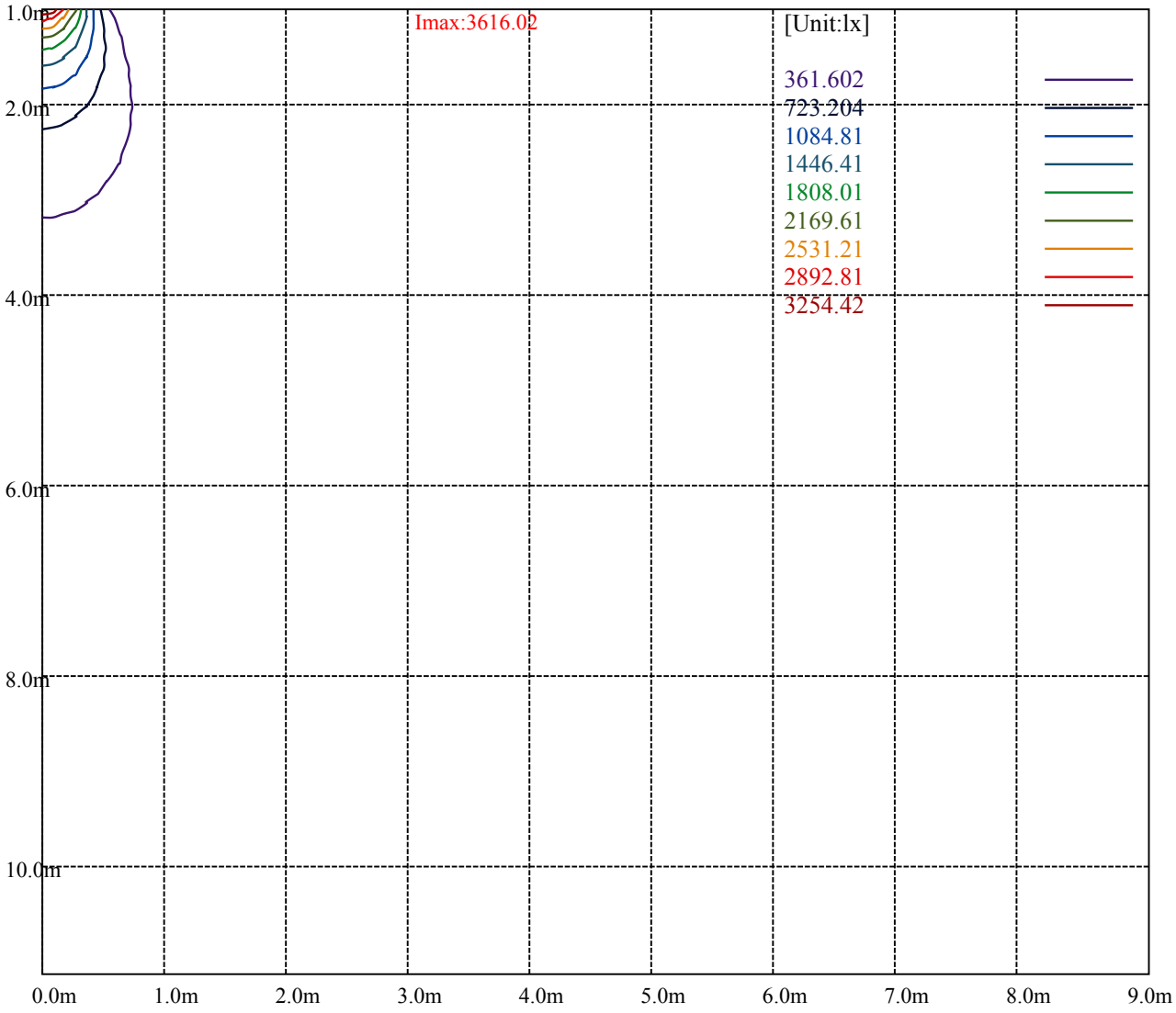

[Unit:cd]
Imax:3616.02cd
90°
75°
60°
45°
30°
15°
0°
-15°
-30°
-45°
-60°
-75°
-90°
-90° -75° -60° -45° -30° -15° 0° 15° 30° 45° 60° 75° 90°
(10%Imax) 361.602
(20%Imax) 723.204
(30%Imax) 1084.81
(40%Imax) 1446.41
(50%Imax) 1808.01
(60%Imax) 2169.61
(70%Imax) 2531.21
(80%Imax) 2892.81
(90%Imax) 3254.42

ISO candela diagram on circular web



Equipment: GMS1980	Date: 2024/4/07	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/07
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2681-L

Luminance Limitting Curve(no luminous side)

Luminance Table

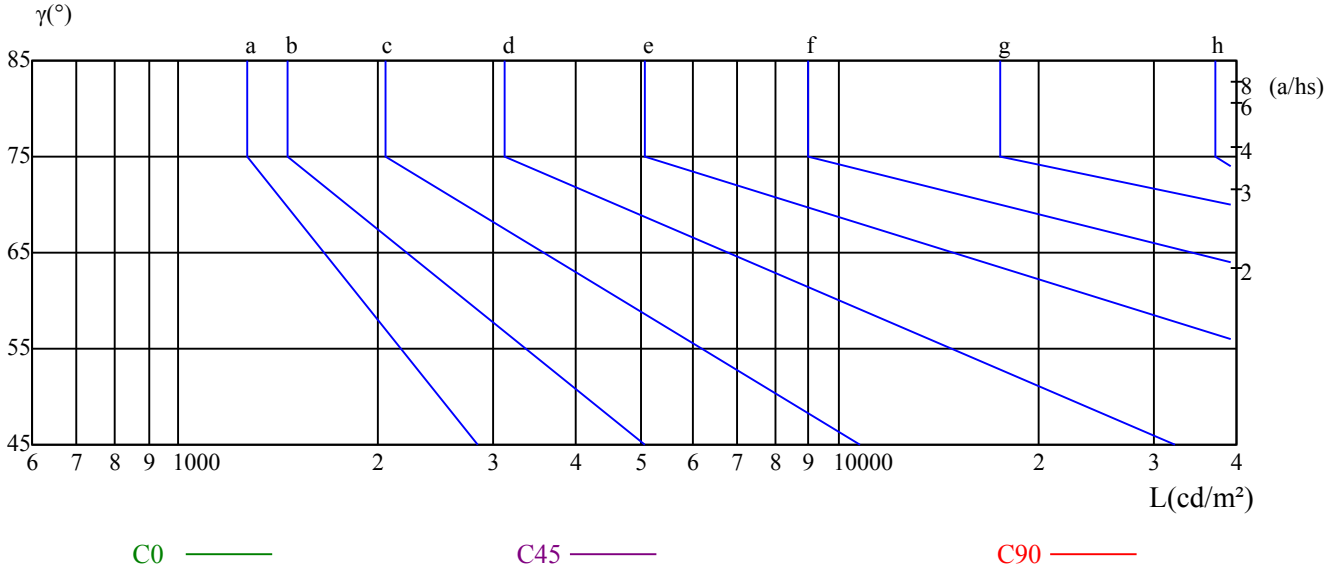
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

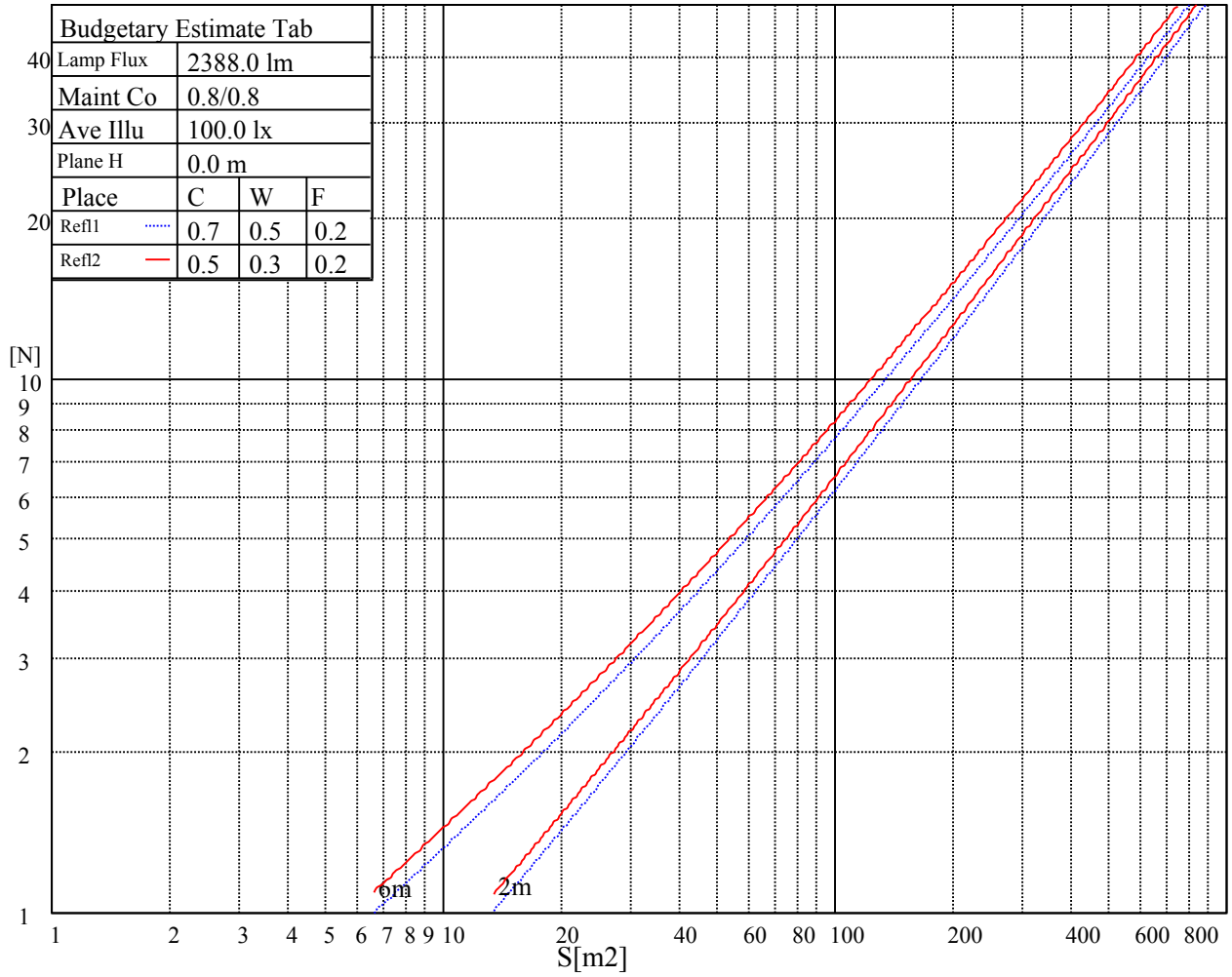
Date: 2024/4/07
Humidity(%): 60.0%

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		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

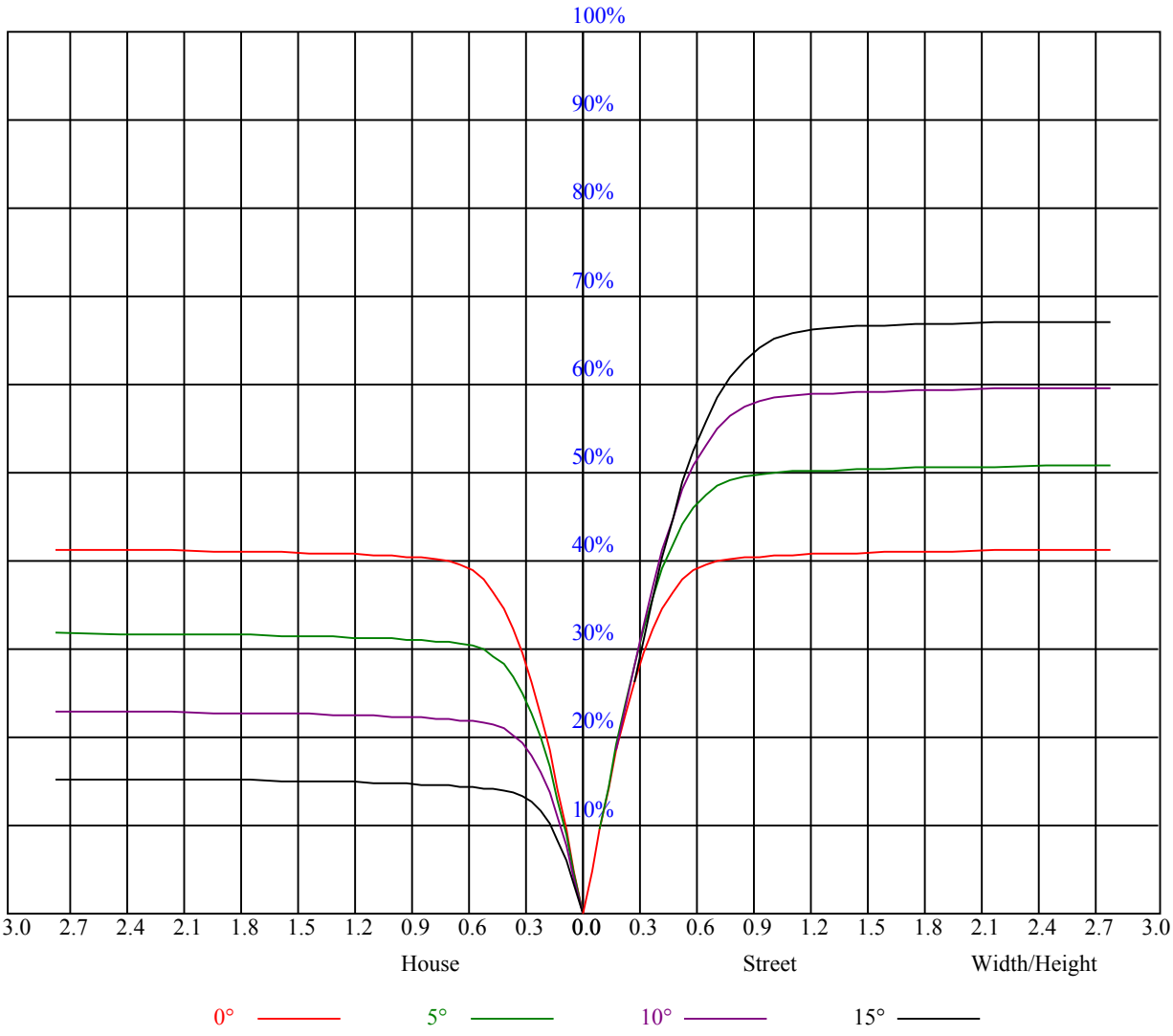


Equipment: GMS1980 Date: 2024/4/07 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

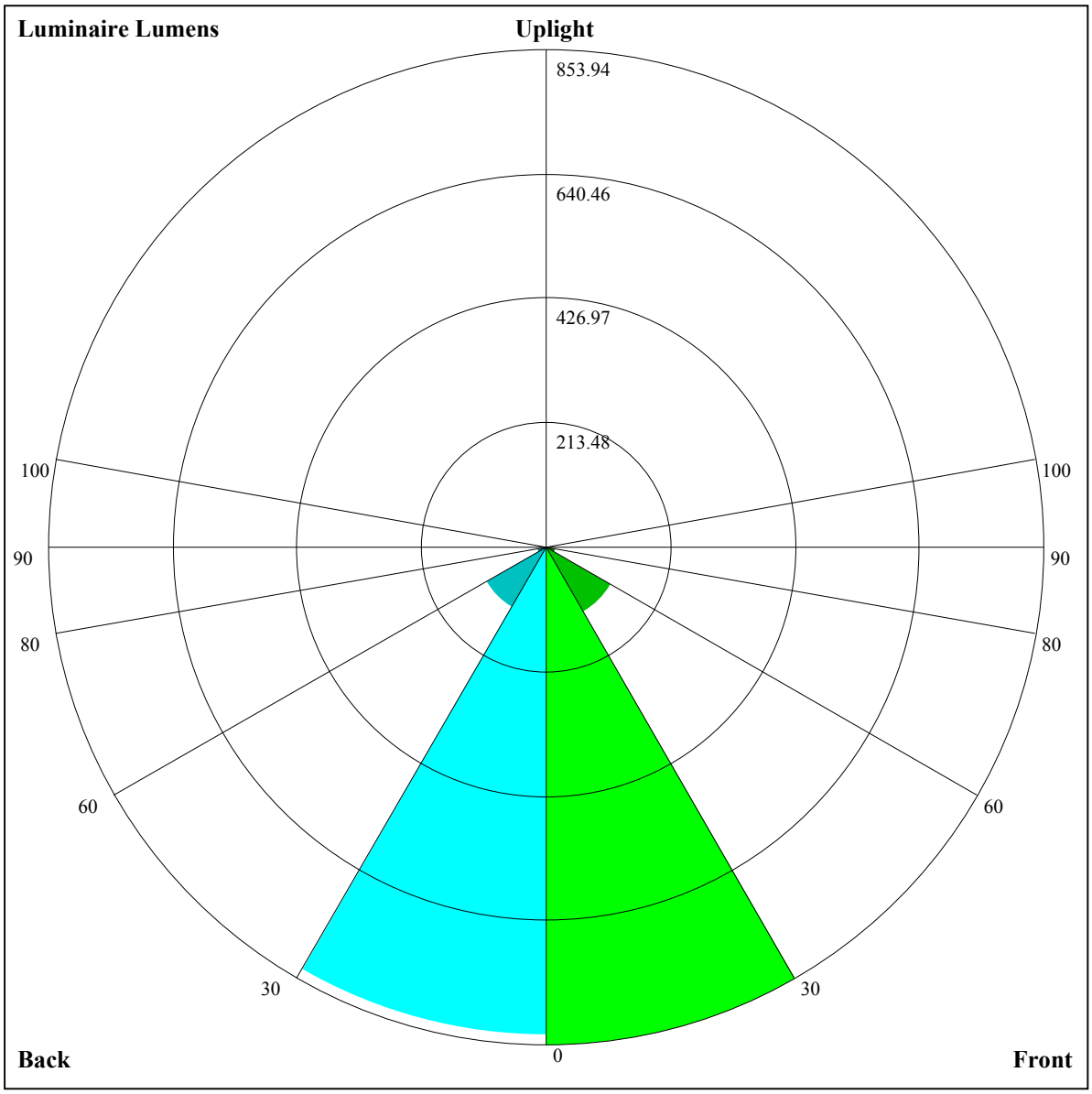
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.89	0.91	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.78
2	0.87	0.84	0.81	0.85	0.83	0.80	0.83	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.74	0.78	0.76	0.73	0.76	0.74	0.72	0.75	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.68	0.66	0.64	0.62
6	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.63	0.61	0.65	0.63	0.60	0.59
7	0.66	0.62	0.59	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.56
8	0.63	0.59	0.56	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.52	0.58	0.55	0.52	0.51
10	0.58	0.53	0.50	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.53	0.50	0.55	0.52	0.50	0.49

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/07	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=853.94,FM=127.87,FH=16.41,FVH=5.44
BL=838.73,BM=119.91,BH=16.66,BVH=5.4
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	3615.58	3613.82	3599.78	3583.39	3558.23	3504.39	3455.81	3407.24	3332.33
45.0	3616.16	3620.26	3615.58	3607.97	3573.44	3539.50	3503.22	3452.30	3382.07
90.0	3617.33	3610.31	3593.93	3561.15	3526.62	3485.07	3420.11	3356.91	3287.85
135.0	3614.99	3615.58	3608.56	3589.24	3567.00	3529.55	3476.88	3421.28	3359.25
180.0	3615.58	3615.58	3606.80	3587.49	3545.94	3510.82	3448.79	3389.10	3329.40
225.0	3616.16	3610.90	3583.98	3554.72	3518.43	3468.10	3399.05	3338.18	3264.44
270.0	3617.33	3609.14	3609.14	3596.27	3571.10	3540.08	3500.87	3434.16	3377.39
315.0	3614.99	3612.07	3593.93	3572.86	3540.67	3497.95	3440.60	3383.83	3298.39
360.0	3615.58	3613.82	3599.78	3583.39	3558.23	3504.39	3455.81	3407.24	3332.33

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3261.52	3191.88	3094.73	3010.46	2901.60	2812.06	2712.58	2611.92	2481.41
45.0	3321.80	3258.01	3186.02	3090.63	3008.70	2917.99	2819.67	2692.68	2594.36
90.0	3211.77	3140.96	3036.79	2951.93	2857.71	2762.91	2640.01	2534.67	2402.41
135.0	3277.90	3204.17	3107.60	3018.65	2939.06	2846.59	2748.28	2616.60	2507.16
180.0	3245.13	3169.05	3094.73	3009.29	2891.66	2797.43	2703.21	2599.63	2466.20
225.0	3190.12	3085.36	3009.29	2917.41	2794.51	2695.60	2594.36	2456.83	2345.06
270.0	3310.09	3242.21	3142.13	3057.86	2967.15	2841.33	2745.93	2620.11	2507.75
315.0	3226.99	3149.74	3048.50	2961.88	2875.85	2752.96	2649.96	2549.30	2439.28
360.0	3261.52	3191.88	3094.73	3010.46	2901.60	2812.06	2712.58	2611.92	2481.41

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2372.56	2255.52	2130.28	1972.85	1845.27	1715.94	1584.26	1426.84	1149.79
45.0	2460.93	2348.57	2235.62	2085.22	1959.39	1837.08	1674.39	1548.56	1426.25
90.0	2288.87	2174.75	2022.60	1900.28	1773.88	1611.77	1490.63	1144.70	1144.70
135.0	2395.38	2282.44	2129.69	2003.87	1877.46	1716.52	1597.72	1442.05	1319.74
180.0	2353.25	2228.60	2103.94	1944.18	1820.69	1656.25	1531.59	1406.94	1254.78
225.0	2225.67	2069.41	1946.52	1821.86	1692.53	1538.03	1416.89	1140.37	1140.37
270.0	2394.80	2276.58	2124.43	1998.02	1877.46	1755.73	1605.92	1484.77	1358.37
315.0	2297.65	2178.85	2055.37	1933.06	1777.97	1653.32	1528.67	1163.31	1163.31
360.0	2372.56	2255.52	2130.28	1972.85	1845.27	1715.94	1584.26	1426.84	1149.79

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1149.79	1026.25	902.18	752.60	638.48	534.25	439.27	338.55	271.19
45.0	1299.26	1142.42	1013.67	886.09	767.87	623.91	522.66	433.13	337.73
90.0	1081.20	950.99	827.51	710.81	575.74	478.36	395.55	322.75	241.00
135.0	1190.99	1063.41	902.48	783.09	667.80	541.39	452.44	372.26	300.28
180.0	1129.54	1001.38	876.73	727.49	611.03	508.62	416.74	320.76	303.21
225.0	1020.57	892.23	769.40	622.45	517.98	406.15	332.82	268.62	198.92
270.0	1213.82	1093.26	963.34	807.67	686.53	580.02	455.95	371.68	301.45
315.0	1133.35	982.30	852.26	733.23	588.97	486.85	399.47	326.61	247.73
360.0	1149.79	1026.25	902.18	752.60	638.48	534.25	439.27	338.55	271.19

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	212.85	163.80	116.99	90.24	72.16	57.41	49.39	43.89	39.15
45.0	304.38	304.38	149.41	113.42	88.49	67.71	56.53	48.63	43.25
90.0	185.87	133.20	101.95	79.65	62.44	53.02	46.17	40.44	37.22
135.0	300.28	164.74	125.06	96.15	72.28	59.75	49.57	43.95	40.09
180.0	303.21	138.70	106.45	83.57	64.61	54.78	47.81	41.90	38.62
225.0	153.86	118.27	92.17	69.88	58.23	50.10	44.42	39.50	36.69
270.0	301.45	171.65	130.74	99.84	77.72	59.63	50.68	44.59	39.44
315.0	193.07	147.54	112.07	81.29	65.19	54.48	45.65	41.02	36.93
360.0	212.85	163.80	116.99	90.24	72.16	57.41	49.39	43.89	39.15

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	36.40	34.24	32.13	30.72	29.50	28.44	27.39	26.57	25.87
45.0	38.68	35.93	33.71	32.01	30.20	29.03	27.97	26.86	26.04
90.0	34.76	32.77	31.19	29.55	28.44	27.51	26.39	25.63	24.93
135.0	36.52	34.29	32.54	31.13	29.61	28.56	27.62	26.80	25.87
180.0	36.11	33.65	32.07	30.67	29.55	28.38	27.51	26.63	25.93
225.0	34.53	32.36	30.90	29.73	28.38	27.51	26.74	25.81	25.11
270.0	36.52	34.24	32.01	30.61	29.32	28.03	27.10	26.28	25.52
315.0	34.53	32.66	31.13	29.50	28.44	27.51	26.69	25.75	25.11
360.0	36.40	34.24	32.13	30.72	29.50	28.44	27.39	26.57	25.87

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.11	24.29	23.64	23.06	22.30	21.71	21.19	20.48	20.01
45.0	25.22	24.52	23.88	23.06	22.47	21.89	21.30	20.83	20.19
90.0	24.11	23.53	22.71	22.06	21.59	21.07	20.37	19.90	19.43
135.0	25.16	24.52	23.94	23.23	22.59	21.89	21.42	20.89	20.19
180.0	25.05	24.40	23.58	23.00	22.36	21.71	21.13	20.66	20.13
225.0	24.40	23.70	22.82	22.24	21.65	21.07	20.37	19.84	19.31
270.0	24.64	23.99	23.29	22.65	21.95	21.30	20.78	20.13	19.61
315.0	24.46	23.88	23.06	22.47	21.77	21.19	20.66	19.96	19.49
360.0	25.11	24.29	23.64	23.06	22.30	21.71	21.19	20.48	20.01

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.31	18.84	18.32	17.79	17.21	16.74	16.39	16.44	16.62
45.0	19.66	19.14	18.61	18.02	17.56	16.91	16.44	16.04	15.51
90.0	18.96	18.32	17.85	17.38	16.74	16.27	15.86	15.39	15.04
135.0	19.72	19.25	18.79	18.14	17.67	17.21	16.80	16.27	15.86
180.0	19.49	18.96	18.38	17.85	17.32	17.09	17.44	18.43	18.84
225.0	18.67	18.14	17.50	16.97	16.56	16.04	15.63	15.16	14.81
270.0	19.08	18.38	17.91	17.26	16.80	16.33	15.86	15.39	14.98
315.0	18.96	18.32	17.85	17.32	16.85	16.21	15.80	15.39	14.98
360.0	19.31	18.84	18.32	17.79	17.21	16.74	16.39	16.44	16.62

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.44	16.09	15.33	14.69	14.05	13.34	12.99	12.70	12.35
45.0	15.16	14.75	14.28	13.99	13.75	13.46	13.11	12.82	12.52
90.0	14.63	14.28	14.05	13.81	13.64	13.34	13.11	12.70	12.35
135.0	15.51	15.10	14.86	14.69	14.63	14.46	14.34	13.75	13.34
180.0	18.61	18.08	17.44	16.97	16.09	15.33	14.57	13.75	12.87
225.0	14.40	14.05	13.75	13.52	13.23	12.87	12.52	12.11	11.82
270.0	14.57	14.16	13.81	13.58	13.34	13.17	12.87	12.64	12.23
315.0	14.46	14.22	13.99	13.81	13.69	13.52	13.34	12.87	12.35
360.0	16.44	16.09	15.33	14.69	14.05	13.34	12.99	12.70	12.35

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.94	11.47	11.12	10.36	9.66	9.13	8.84	8.60	8.54
45.0	12.17	11.76	11.35	10.77	10.01	9.36	8.95	8.78	8.60
90.0	11.70	11.18	10.59	9.83	9.31	8.90	8.72	8.60	8.43
135.0	12.87	11.70	11.18	10.36	9.71	9.07	8.78	8.60	8.49
180.0	12.23	11.47	10.89	10.01	9.19	8.90	8.72	8.60	8.49
225.0	11.47	11.00	10.36	9.66	8.95	8.78	8.66	8.54	8.49
270.0	11.82	11.41	10.94	10.42	9.66	9.07	8.78	8.60	8.54
315.0	11.65	11.18	10.77	10.01	9.42	8.95	8.72	8.54	8.43
360.0	11.94	11.47	11.12	10.36	9.66	9.13	8.84	8.60	8.54

Intensity data(cd)

C/γ(°)	90.0
0.0	8.49
45.0	8.49
90.0	8.49
135.0	8.43
180.0	8.49
225.0	8.49
270.0	8.43
315.0	8.43
360.0	8.49