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: 92.70.412.00
Report No: 2024322-B017
Ballast type: AC

Test No: 2024322-C017	Voltage(V): 34.720
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.577
Lamp flux(lm): 3486.0	Power (W): 20.033
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2973.81, Efficiency(%): 85.31% , Luminous Efficacy(lm/W): 148.45
Central intensity(cd): 4970.082, Maximum intensity(cd): 4970.082
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=46.4
[C90/270]Total=46.4
Field angle(10%Imax): [C0/180]Total=69.6
[C90/270]Total=69.6
Maximum s/h(1/2): C0_180=0.74 C90_270=0.74
Maximum s/h(1/4): C0_180=0.72 C90_270=0.72
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.31%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.950%

Equipment: GMS1980	Date: 2024/3/22	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	4970.082	0.000	0	0.00%	0.00%
1.0	4963.791	4.753	4.753	0.14%	0.16%
2.0	4946.819	14.225	18.978	0.41%	0.64%
3.0	4925.093	23.610	42.588	0.68%	1.43%
4.0	4893.783	32.867	75.455	0.94%	2.54%
5.0	4860.206	41.961	117.416	1.20%	3.95%
6.0	4816.826	50.855	168.272	1.46%	5.66%
7.0	4764.668	59.472	227.744	1.71%	7.66%
8.0	4692.319	67.682	295.426	1.94%	9.93%
9.0	4608.559	75.379	370.804	2.16%	12.47%
10.0	4504.609	82.471	453.275	2.37%	15.24%
11.0	4393.123	88.907	542.182	2.55%	18.23%
12.0	4280.614	94.816	636.998	2.72%	21.42%
13.0	4154.790	100.107	737.105	2.87%	24.79%
14.0	4030.430	104.770	841.875	3.01%	28.31%
15.0	3894.511	108.797	950.672	3.12%	31.97%
16.0	3721.870	111.601	1062.274	3.20%	35.72%
17.0	3562.177	113.432	1175.706	3.25%	39.54%
18.0	3399.411	114.781	1290.487	3.29%	43.40%
19.0	3225.160	115.254	1405.741	3.31%	47.27%
20.0	3051.861	114.887	1520.628	3.30%	51.13%
21.0	2882.145	113.945	1634.573	3.27%	54.97%
22.0	2708.992	112.356	1746.929	3.22%	58.74%
23.0	2518.209	109.681	1856.61	3.15%	62.43%
24.0	2334.155	106.090	1962.7	3.04%	66.00%
25.0	2149.809	101.956	2064.656	2.92%	69.43%
26.0	1949.516	96.765	2161.421	2.78%	72.68%
27.0	1761.952	90.802	2252.223	2.60%	75.74%
28.0	1525.404	83.229	2335.452	2.39%	78.53%
29.0	1297.502	73.855	2409.307	2.12%	81.02%
30.0	1190.348	67.171	2476.478	1.93%	83.28%
31.0	1022.871	61.591	2538.069	1.77%	85.35%
32.0	849.118	53.630	2591.699	1.54%	87.15%
33.0	699.402	45.620	2637.319	1.31%	88.68%
34.0	579.468	38.702	2676.022	1.11%	89.99%
35.0	473.352	32.697	2708.718	0.94%	91.09%
36.0	393.556	27.603	2736.321	0.79%	92.01%
37.0	322.320	23.348	2759.669	0.67%	92.80%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	276.921	20.002	2779.67	0.57%	93.47%
39.0	241.435	17.693	2797.363	0.51%	94.07%
40.0	185.311	14.883	2812.247	0.43%	94.57%
41.0	145.297	11.773	2824.02	0.34%	94.96%
42.0	120.476	9.656	2833.676	0.28%	95.29%
43.0	101.200	8.212	2841.887	0.24%	95.56%
44.0	85.831	7.059	2848.946	0.20%	95.80%
45.0	74.360	6.156	2855.102	0.18%	96.01%
46.0	66.123	5.494	2860.596	0.16%	96.19%
47.0	60.008	5.017	2865.613	0.14%	96.36%
48.0	55.333	4.663	2870.276	0.13%	96.52%
49.0	51.478	4.386	2874.662	0.13%	96.67%
50.0	48.354	4.162	2878.824	0.12%	96.81%
51.0	45.596	3.975	2882.799	0.11%	96.94%
52.0	43.116	3.807	2886.606	0.11%	97.07%
53.0	40.958	3.657	2890.263	0.10%	97.19%
54.0	39.130	3.530	2893.793	0.10%	97.31%
55.0	37.542	3.422	2897.216	0.10%	97.42%
56.0	35.999	3.323	2900.539	0.10%	97.54%
57.0	34.601	3.228	2903.767	0.09%	97.64%
58.0	33.094	3.130	2906.897	0.09%	97.75%
59.0	31.639	3.026	2909.924	0.09%	97.85%
60.0	30.095	2.917	2912.84	0.08%	97.95%
61.0	28.691	2.805	2915.645	0.08%	98.04%
62.0	27.191	2.693	2918.338	0.08%	98.13%
63.0	25.991	2.587	2920.925	0.07%	98.22%
64.0	24.784	2.492	2923.416	0.07%	98.31%
65.0	23.555	2.392	2925.808	0.07%	98.39%
66.0	22.480	2.297	2928.105	0.07%	98.46%
67.0	21.807	2.227	2930.332	0.06%	98.54%
68.0	21.288	2.183	2932.515	0.06%	98.61%
69.0	20.988	2.157	2934.672	0.06%	98.68%
70.0	20.702	2.141	2936.813	0.06%	98.76%
71.0	20.534	2.131	2938.944	0.06%	98.83%
72.0	20.373	2.127	2941.071	0.06%	98.90%
73.0	20.234	2.123	2943.195	0.06%	98.97%
74.0	20.095	2.120	2945.315	0.06%	99.04%
75.0	19.963	2.117	2947.432	0.06%	99.11%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.839	2.113	2949.545	0.06%	99.18%
77.0	19.686	2.107	2951.652	0.06%	99.25%
78.0	19.481	2.097	2953.748	0.06%	99.33%
79.0	19.181	2.077	2955.826	0.06%	99.40%
80.0	18.603	2.037	2957.863	0.06%	99.46%
81.0	17.974	1.978	2959.841	0.06%	99.53%
82.0	17.184	1.907	2961.747	0.05%	99.59%
83.0	16.028	1.805	2963.553	0.05%	99.65%
84.0	14.872	1.683	2965.236	0.05%	99.71%
85.0	13.914	1.571	2966.807	0.05%	99.76%
86.0	13.255	1.485	2968.292	0.04%	99.81%
87.0	12.773	1.424	2969.717	0.04%	99.86%
88.0	12.502	1.384	2971.101	0.04%	99.91%
89.0	12.334	1.361	2972.462	0.04%	99.95%
90.0	12.312	1.351	2973.814	0.04%	100.00%

Zonal flux distribution table

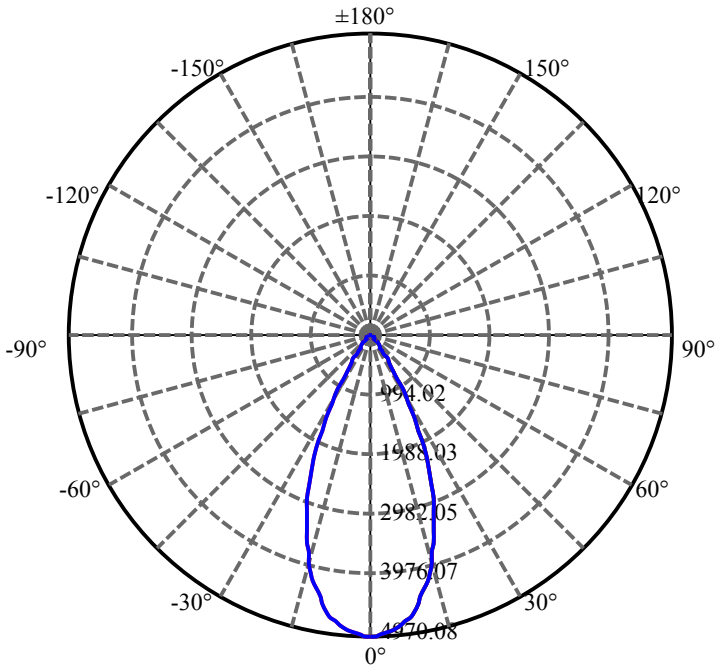
ZONAL LUMEN SUMMARY

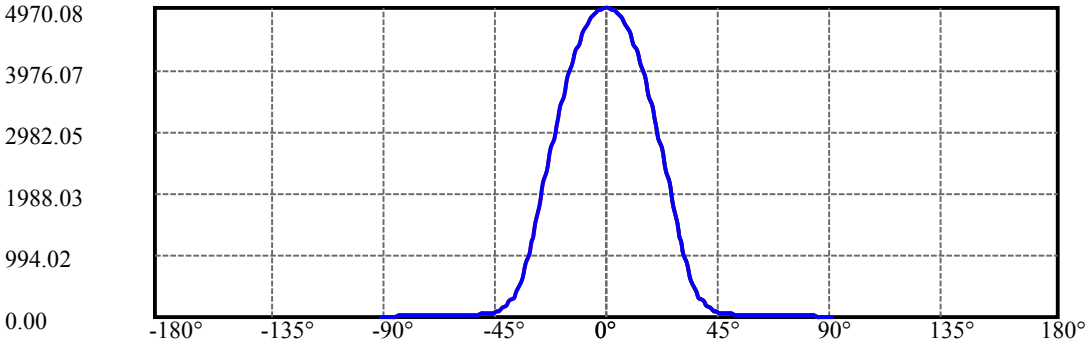
Zone	Lumens	%Lamp	%Fixt
0-30	2476.48	71.04%	83.28%
0-40	2812.25	80.67%	94.57%
0-60	2912.84	83.56%	97.95%
0-90	2972.46	85.27%	99.95%
0-120	2972.46	85.27%	99.95%
0-180	2973.81	85.31%	100.00%
60-90	59.62	1.71%	2.00%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.59	2379.05	68.25%	80.00%

ZONAL LUMEN SUMMARY

0-10	453.28
10-20	1067.35
20-30	955.85
30-40	335.77
40-50	66.58
50-60	34.02
60-70	23.97
70-80	21.05
80-90	14.60
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):

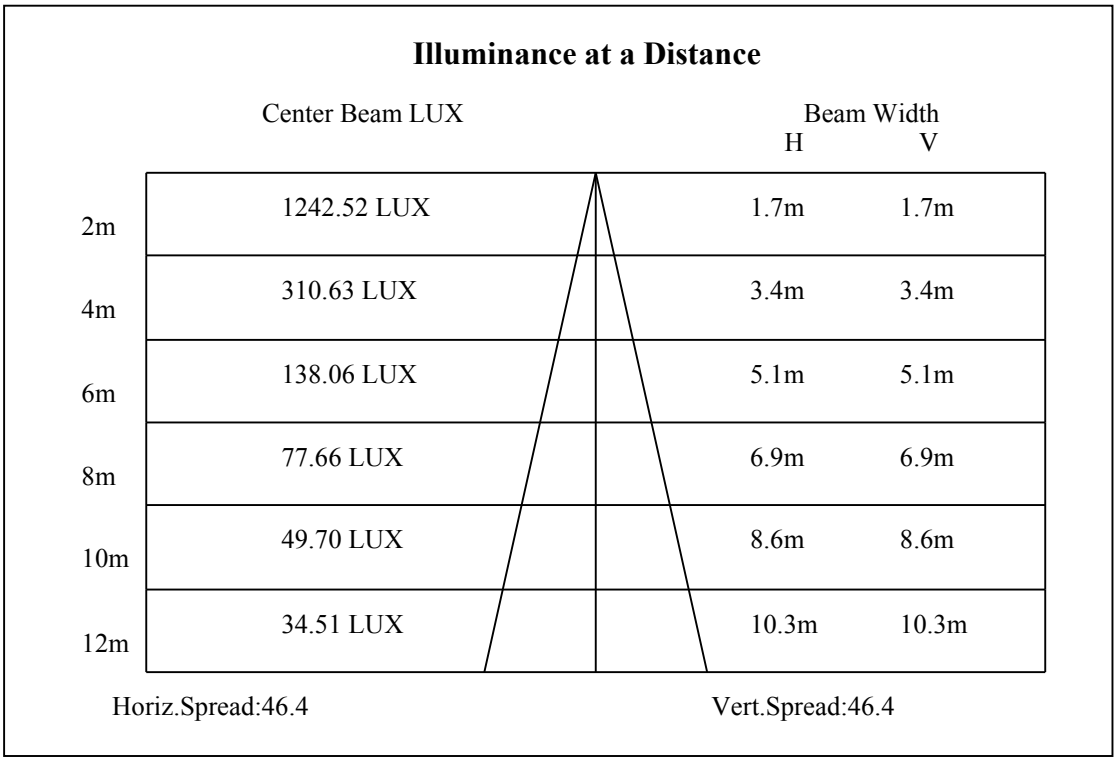
C0/C180:

C90/C270:

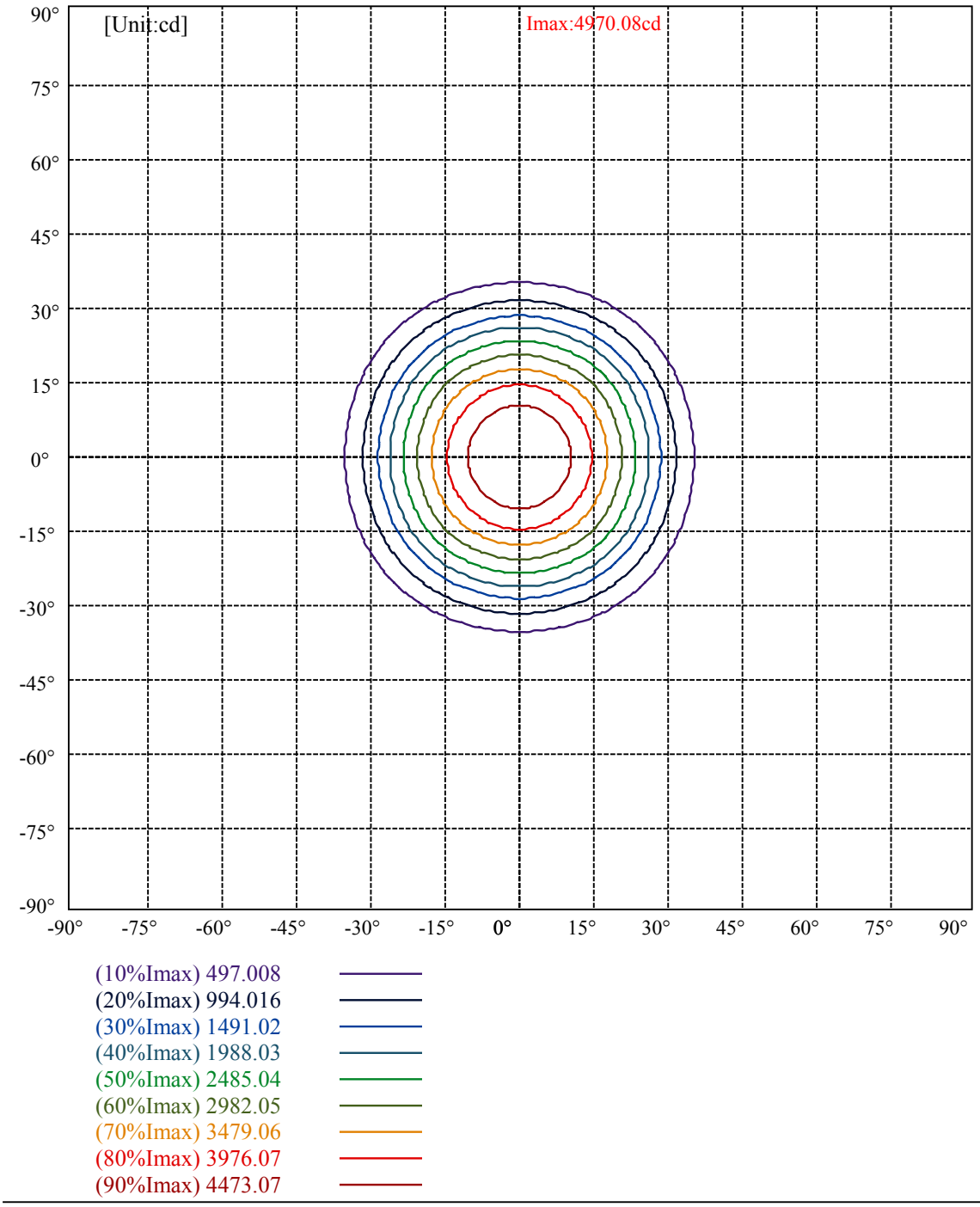
Field angle(10%Imax):C0/180Left:34.8 Right:34.8
:C90/270Left:34.8 Right:34.8

Beam Angle(50%Imax):C0/180Left:23.2 Right:23.2
:C90/270Left:23.2 Right:23.2

Lux distance Curve



ISO-Intensity(V-H)

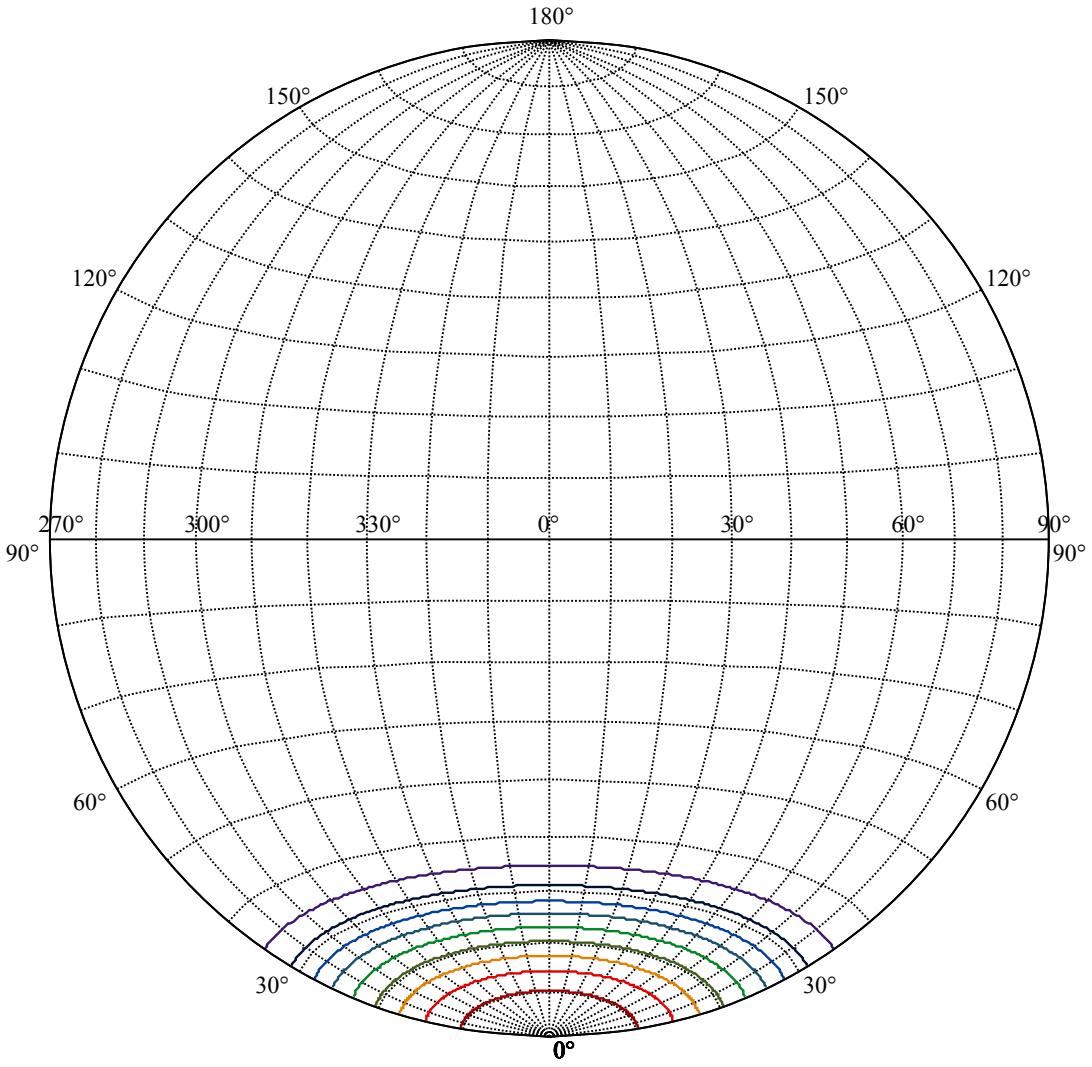


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



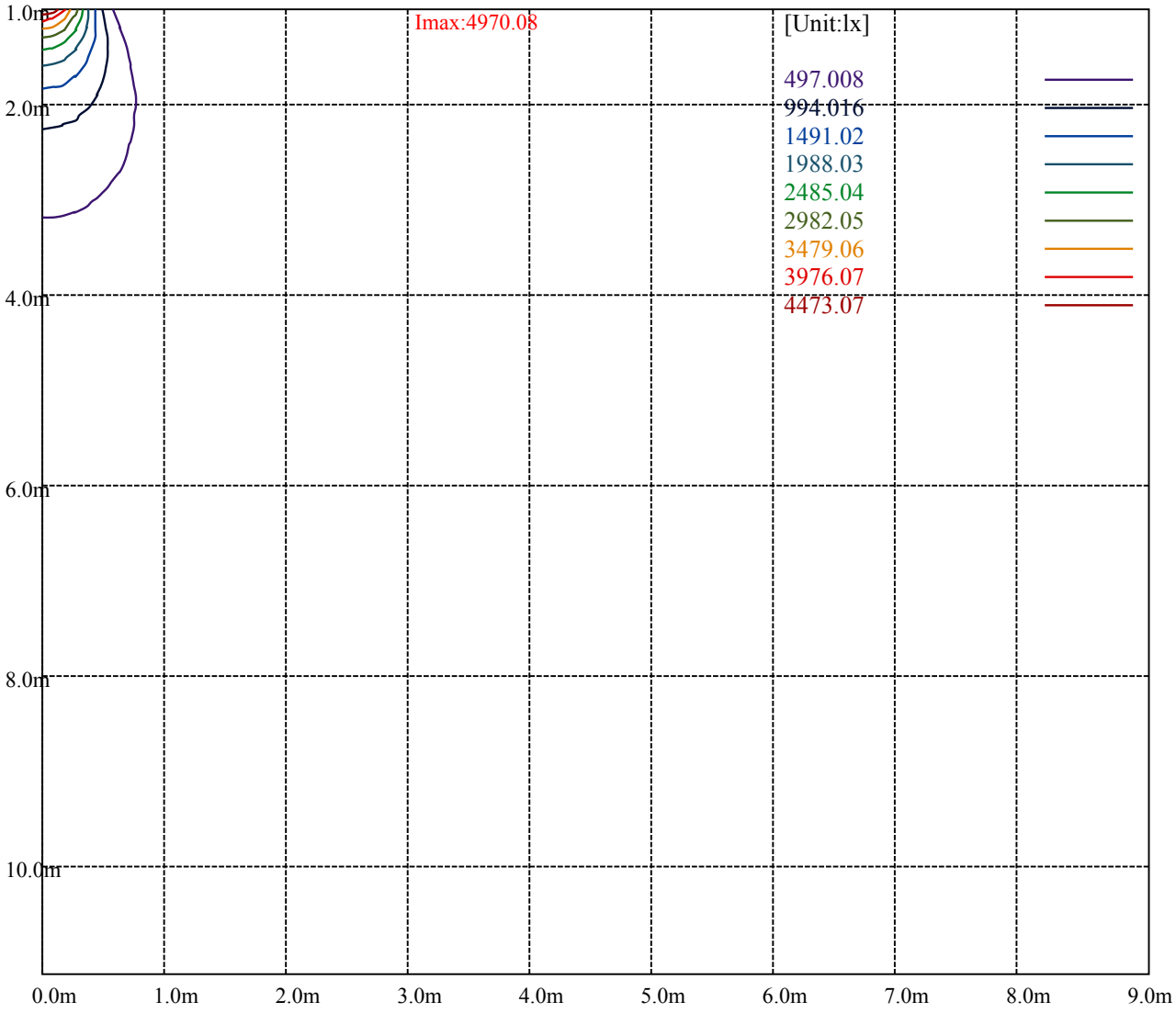
House [Unit:cd] Road

Imax:4970.08

(10%Imax) 497.008
(20%Imax) 994.016
(30%Imax) 1491.02
(40%Imax) 1988.03
(50%Imax) 2485.04
(60%Imax) 2982.05
(70%Imax) 3479.06
(80%Imax) 3976.07
(90%Imax) 4473.07

Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2685-L

Luminance Limitting Curve(no luminous side)

Luminance Table

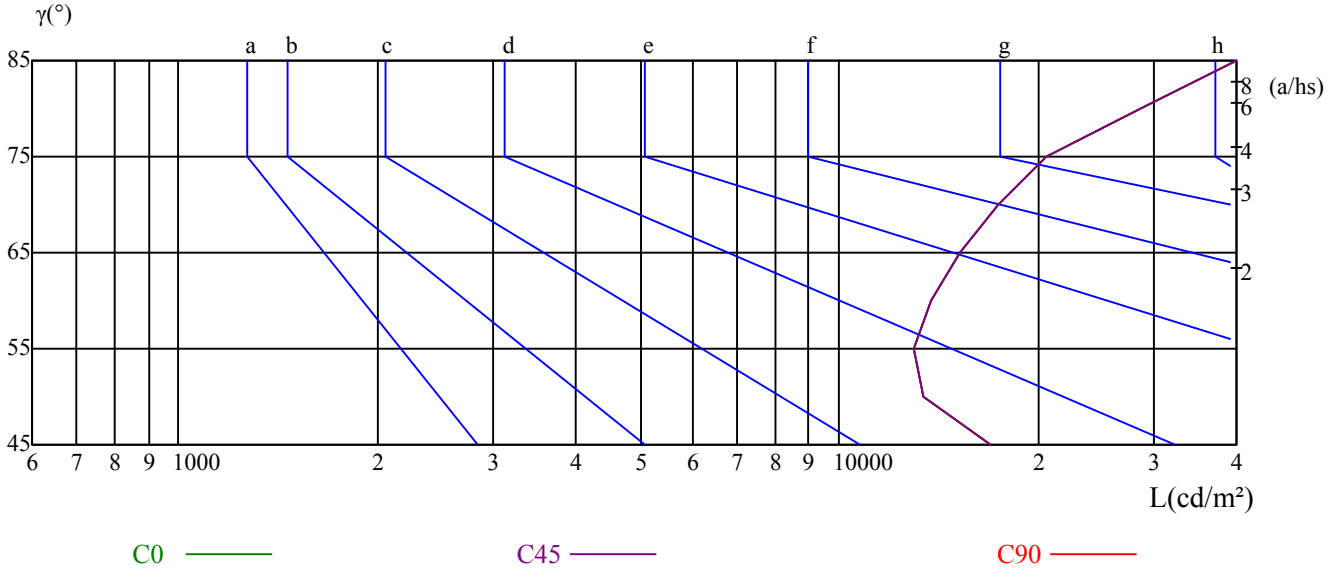
γ	45	50	55	60	65	70	75	80	85
C0	16916	13424	12973	13807	15255	17397	20571	28543	54228
C45	16916	13424	12973	13807	15255	17397	20571	28543	54228
C90	16916	13424	12973	13807	15255	17397	20571	28543	54228

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
15255	15255	15255	20571	20571	20571	54228	54228	54228

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

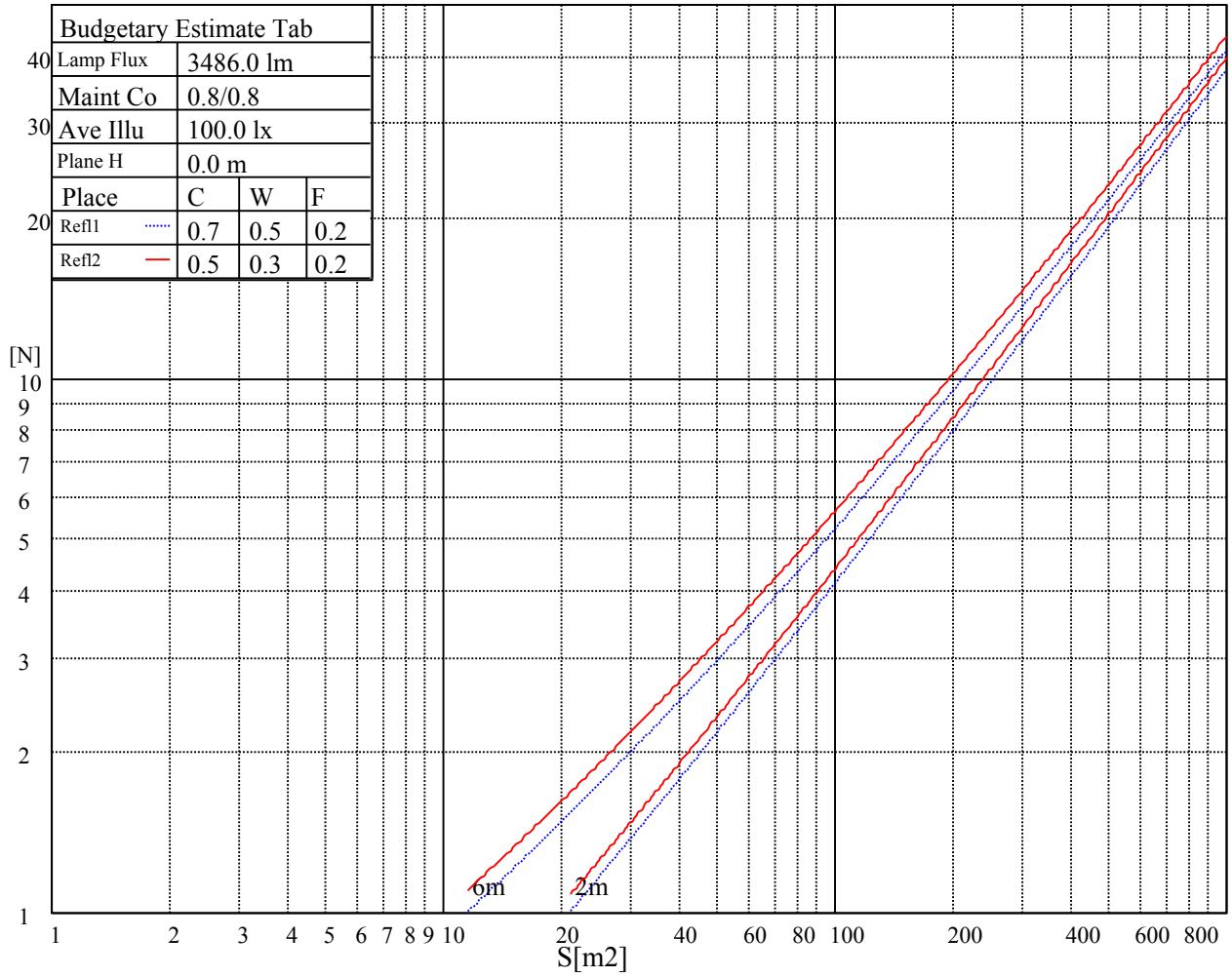
Date: 2024/3/22
Humidity(%): 60.0%

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

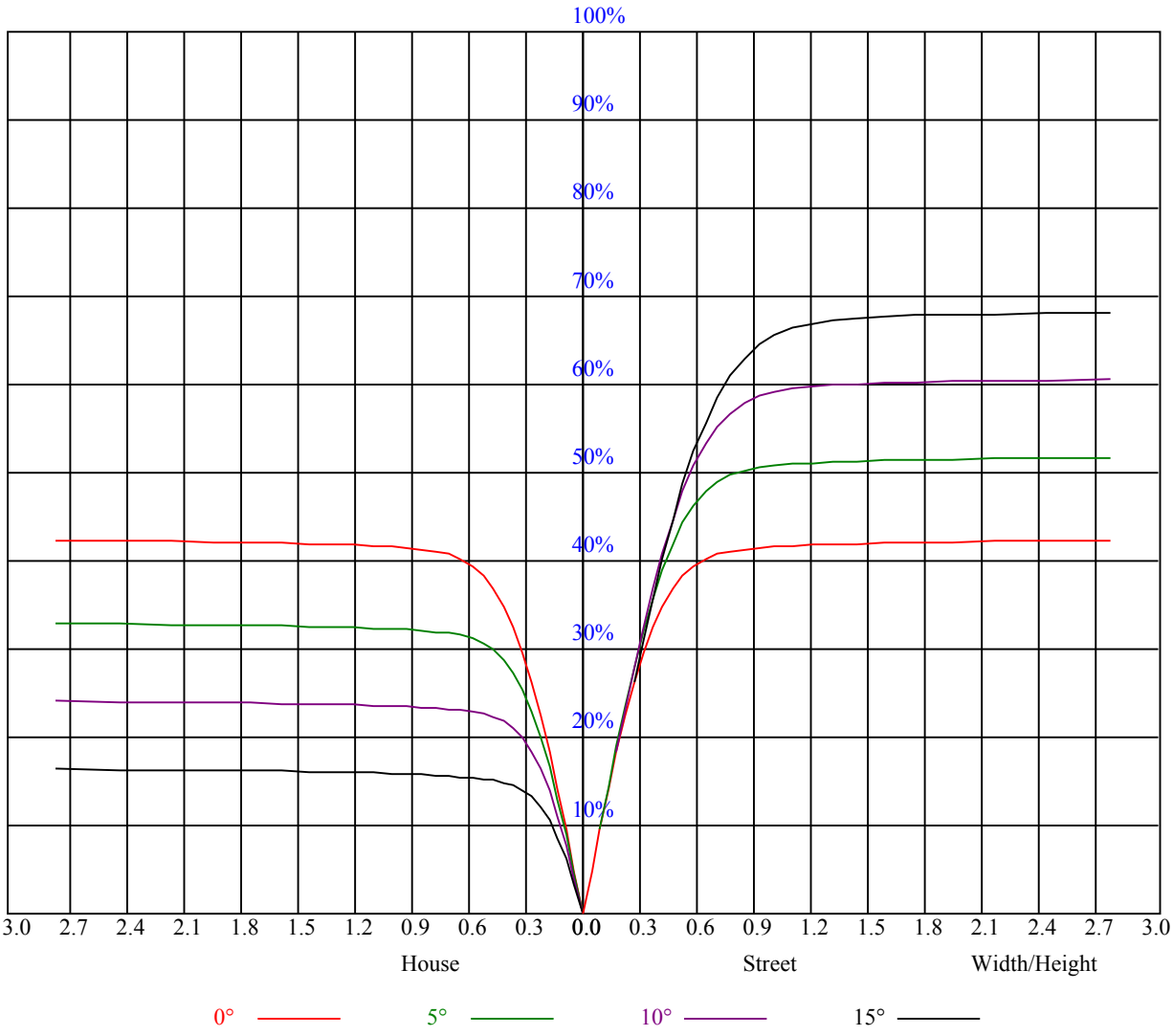


Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

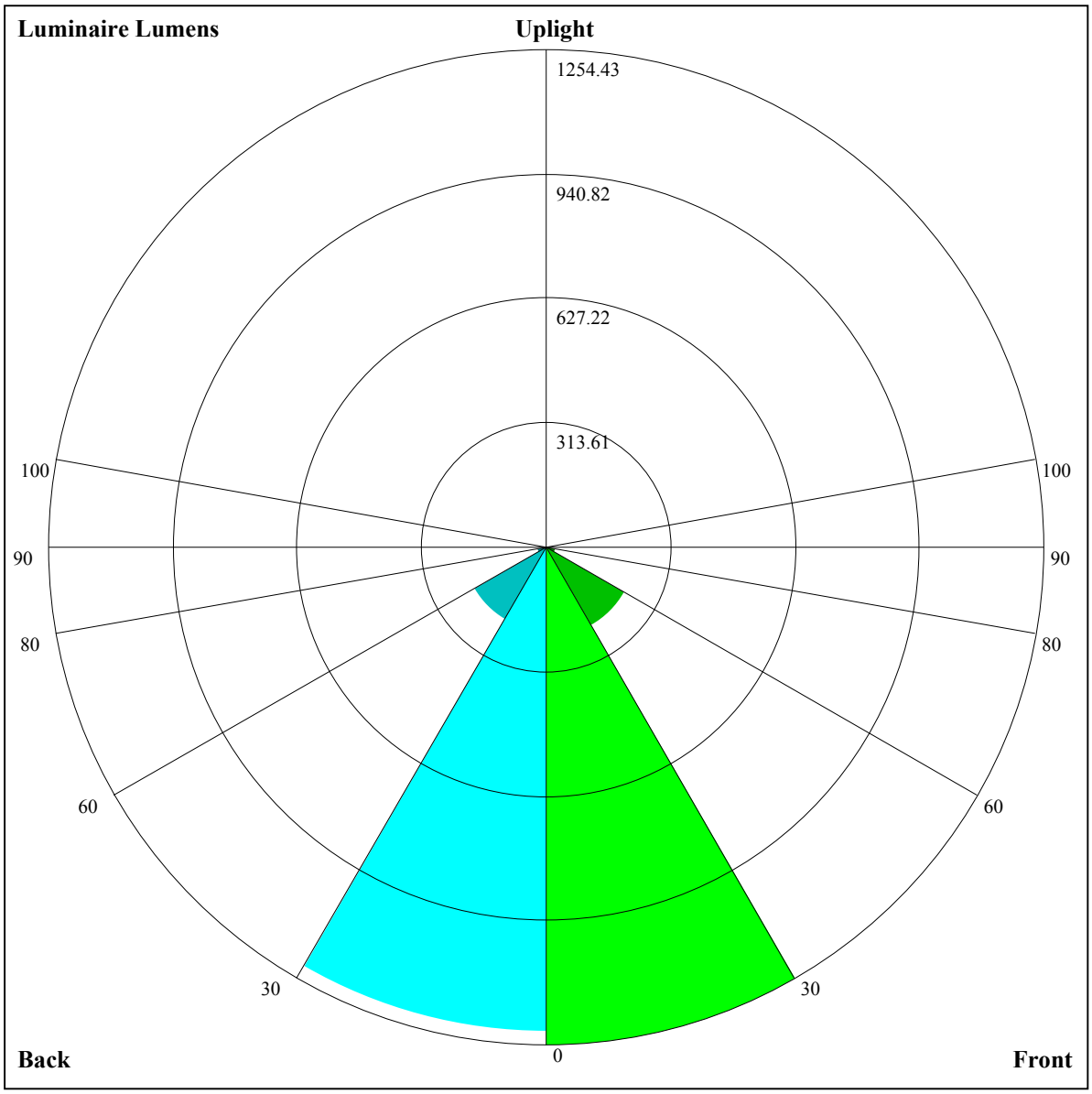
Utilization factor table for indoor luminaire

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	1.02	1.02	1.02	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.80
2	0.89	0.85	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.75
3	0.83	0.79	0.76	0.82	0.79	0.76	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
4	0.79	0.74	0.71	0.78	0.74	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.67
5	0.74	0.70	0.66	0.74	0.69	0.66	0.72	0.68	0.66	0.71	0.67	0.65	0.69	0.67	0.64	0.63
6	0.70	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
7	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
8	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.54
9	0.61	0.56	0.53	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.52	0.51
10	0.58	0.54	0.51	0.58	0.53	0.50	0.57	0.53	0.50	0.56	0.53	0.50	0.56	0.52	0.50	0.49

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/22	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1254.43,FM=229.7,FH=22.63,FVH=8.07
BL=1222.31,BM=209.68,BH=22.4,BVH=7.91
UL=0,UH=0

BUG Rating:B3-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	4976.81	4963.94	4949.89	4925.90	4900.15	4864.45	4828.16	4786.03	4710.53
45.0	4970.37	4973.30	4961.01	4945.21	4915.36	4887.27	4855.67	4821.73	4769.64
90.0	4968.03	4951.65	4931.16	4907.76	4874.40	4841.04	4793.05	4738.04	4663.13
135.0	4965.11	4963.35	4950.48	4925.90	4900.15	4872.06	4837.53	4783.69	4724.58
180.0	4976.81	4973.30	4957.50	4937.60	4904.24	4869.72	4830.51	4763.79	4693.56
225.0	4970.37	4955.74	4932.92	4905.41	4868.55	4826.41	4759.11	4687.13	4598.17
270.0	4968.03	4970.96	4959.84	4944.62	4911.27	4879.66	4841.62	4798.32	4725.17
315.0	4965.11	4958.08	4931.75	4908.34	4876.15	4841.04	4788.95	4738.63	4653.77
360.0	4976.81	4963.94	4949.89	4925.90	4900.15	4864.45	4828.16	4786.03	4710.53

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4632.70	4540.82	4417.34	4313.75	4175.64	4058.59	3925.75	3778.27	3585.15
45.0	4707.02	4629.19	4534.38	4410.31	4310.83	4200.80	4080.83	3914.63	3761.30
90.0	4576.52	4453.04	4350.04	4243.52	4098.97	3969.64	3826.84	3668.83	3513.75
135.0	4649.09	4536.14	4434.31	4299.71	4189.10	4071.47	3942.72	3757.20	3598.61
180.0	4587.64	4484.64	4376.37	4268.69	4127.07	4001.24	3869.57	3677.03	3521.36
225.0	4500.44	4368.76	4262.84	4151.64	4001.83	3870.74	3723.85	3524.87	3367.44
270.0	4648.50	4558.96	4431.38	4324.87	4216.60	4073.22	3950.91	3772.42	3620.26
315.0	4566.57	4465.33	4338.33	4232.41	4118.29	3997.73	3835.62	3681.71	3529.55
360.0	4632.70	4540.82	4417.34	4313.75	4175.64	4058.59	3925.75	3778.27	3585.15

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3430.06	3273.22	3116.97	2958.96	2754.13	2585.00	2411.19	2194.07	2016.16
45.0	3605.63	3416.02	3258.59	3063.71	2908.04	2747.10	2535.25	2363.78	2187.04
90.0	3315.36	3158.52	2961.30	2798.60	2629.47	2413.53	2236.20	2061.81	1838.84
135.0	3443.52	3286.68	3091.22	2932.04	2767.00	2556.32	2383.09	2203.43	1971.68
180.0	3358.66	3189.53	3029.77	2831.96	2673.37	2456.83	2274.83	2098.09	1875.70
225.0	3205.92	3003.43	2838.40	2669.85	2501.90	2288.87	2115.06	1943.01	1727.06
270.0	3461.08	3296.05	3097.07	2939.64	2776.95	2603.72	2396.55	2230.35	2049.52
315.0	3375.05	3177.83	3021.58	2862.39	2661.08	2494.29	2321.06	2103.94	1930.13
360.0	3430.06	3273.22	3116.97	2958.96	2754.13	2585.00	2411.19	2194.07	2016.16

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1792.60	1615.28	1139.32	1139.32	1055.10	892.23	744.29	616.18	491.24
45.0	2006.21	1783.82	1607.09	1435.03	1264.73	1052.88	889.02	742.12	589.38
90.0	1662.10	1354.85	1144.17	1144.17	935.48	781.92	647.61	515.41	430.49
135.0	1789.68	1563.19	1384.12	1214.40	1051.71	849.22	705.25	585.28	489.89
180.0	1700.72	1526.33	1308.62	1137.74	968.61	810.01	639.12	534.37	449.51
225.0	1553.83	1165.48	1165.48	999.39	837.75	662.24	551.34	462.04	367.99
270.0	1875.12	1655.07	1483.02	1304.53	1090.33	924.13	735.69	609.86	510.37
315.0	1715.35	1539.20	1148.21	1148.21	979.26	820.31	682.90	570.48	457.94
360.0	1792.60	1615.28	1139.32	1139.32	1055.10	892.23	744.29	616.18	491.24

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	411.71	343.29	272.25	225.96	189.38	152.04	128.34	109.14	90.12
45.0	493.40	412.06	326.03	297.35	297.35	183.12	146.60	123.54	104.93
90.0	358.57	285.47	237.07	188.44	157.89	133.08	112.60	92.47	80.00
135.0	393.91	328.37	299.11	299.11	177.15	149.12	121.32	103.70	89.25
180.0	375.77	300.28	300.28	238.36	162.46	135.89	115.00	94.16	81.23
225.0	305.78	253.23	209.57	166.50	138.87	116.87	99.43	82.22	71.92
270.0	427.27	338.90	308.47	308.47	187.97	149.23	125.12	105.87	87.26
315.0	382.03	316.96	262.59	207.29	171.41	143.03	115.41	98.49	81.93
360.0	411.71	343.29	272.25	225.96	189.38	152.04	128.34	109.14	90.12

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	78.48	69.70	61.74	57.29	53.55	50.27	46.82	44.42	42.19
45.0	86.50	75.49	67.18	61.16	55.54	51.79	48.57	45.24	43.01
90.0	70.64	63.67	57.29	53.43	50.04	47.11	44.01	41.90	39.56
135.0	75.32	67.24	61.27	56.71	52.20	49.10	46.41	44.07	41.61
180.0	71.46	62.79	58.00	54.19	50.91	47.29	44.95	42.78	40.79
225.0	64.26	57.70	53.84	49.86	47.11	44.71	42.60	40.20	38.62
270.0	76.08	67.48	61.21	55.54	51.27	48.28	45.71	43.48	41.02
315.0	72.16	64.90	59.52	54.48	51.21	48.28	45.71	42.84	40.85
360.0	78.48	69.70	61.74	57.29	53.55	50.27	46.82	44.42	42.19

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	40.32	38.33	36.93	35.46	33.65	32.30	30.55	29.09	27.74
45.0	40.50	38.86	37.40	36.11	34.35	32.95	31.60	30.20	28.38
90.0	38.04	36.64	35.00	33.59	32.25	30.84	29.14	27.80	26.51
135.0	39.85	38.33	36.58	35.23	33.88	32.13	30.72	29.32	27.56
180.0	38.68	37.22	35.58	34.18	32.89	31.13	29.79	28.44	26.80
225.0	37.22	35.93	34.24	32.95	31.60	30.26	28.56	27.33	25.81
270.0	39.27	37.81	36.46	34.82	33.47	32.19	30.84	29.14	27.80
315.0	39.15	37.22	35.82	34.47	32.66	31.31	29.55	28.21	26.92
360.0	40.32	38.33	36.93	35.46	33.65	32.30	30.55	29.09	27.74

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.22	25.16	23.99	22.82	22.12	21.54	21.19	20.95	20.72
45.0	27.04	25.93	24.58	23.23	22.30	21.54	21.19	20.78	20.60
90.0	25.46	24.05	22.82	22.00	21.48	20.95	20.66	20.42	20.31
135.0	26.34	25.28	24.11	22.59	22.00	21.48	21.13	20.78	20.60
180.0	25.69	24.58	23.29	22.30	21.59	21.19	20.95	20.66	20.54
225.0	24.81	23.58	22.36	21.71	21.24	20.89	20.72	20.54	20.42
270.0	26.57	25.22	24.11	22.88	22.00	21.48	21.19	20.83	20.66
315.0	25.81	24.46	23.17	22.30	21.71	21.24	20.89	20.66	20.42
360.0	26.22	25.16	23.99	22.82	22.12	21.54	21.19	20.95	20.72

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.54	20.42	20.31	20.13	20.01	19.84	19.72	19.43	18.90
45.0	20.48	20.31	20.19	20.01	19.90	19.84	19.61	19.43	19.25
90.0	20.13	20.01	19.90	19.78	19.61	19.49	19.20	18.96	18.26
135.0	20.42	20.25	20.07	19.96	19.84	19.66	19.43	19.25	18.73
180.0	20.37	20.19	20.07	19.90	19.78	19.61	19.37	19.08	18.26
225.0	20.25	20.13	20.01	19.96	19.84	19.61	19.37	18.55	17.97
270.0	20.48	20.42	20.25	20.13	20.01	19.90	19.78	19.61	19.08
315.0	20.31	20.13	19.96	19.84	19.72	19.55	19.37	19.14	18.38
360.0	20.54	20.42	20.31	20.13	20.01	19.84	19.72	19.43	18.90

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.32	17.67	16.68	15.16	14.34	13.46	12.93	12.58	12.41
45.0	18.73	18.02	17.15	15.98	14.63	13.87	13.17	12.76	12.52
90.0	17.73	16.80	15.45	14.51	13.75	13.11	12.70	12.47	12.35
135.0	18.08	17.56	16.27	14.92	14.10	13.28	12.70	12.47	12.23
180.0	17.79	16.80	15.51	14.57	13.52	13.11	12.70	12.47	12.35
225.0	17.09	16.04	14.86	13.99	13.11	12.76	12.52	12.35	12.29
270.0	18.26	17.67	16.50	15.27	14.16	13.34	12.76	12.52	12.29
315.0	17.79	16.91	15.80	14.57	13.69	13.11	12.70	12.41	12.23
360.0	18.32	17.67	16.68	15.16	14.34	13.46	12.93	12.58	12.41

Intensity data(cd)

C/γ(°)	90.0
0.0	12.35
45.0	12.29
90.0	12.35
135.0	12.29
180.0	12.35
225.0	12.35
270.0	12.29
315.0	12.23
360.0	12.35