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NT

Client:
LumCAT: 2-2686-L
Luminaire: 92.70.412.00
Report No: 2024322-B018
Ballast type: AC

Test No: 2024322-C018	Voltage(V): 34.740
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.577
Lamp flux(lm): 3486.0	Power (W): 20.044
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2935.60, Efficiency(%): 84.21% , Luminous Efficacy(lm/W): 146.46
Central intensity(cd): 16215.710, Maximum intensity(cd): 16215.710
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.0
[C90/270]Total=18.0
Field angle(10%Imax): [C0/180]Total=45.0
[C90/270]Total=45.0
Maximum s/h(1/2): C0_180=0.31 C90_270=0.31
Maximum s/h(1/4): C0_180=0.32 C90_270=0.32
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.21%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.067%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	16215.707	0.000	0	0.00%	0.00%
1.0	16094.273	15.460	15.46	0.44%	0.53%
2.0	15710.950	45.650	61.11	1.31%	2.08%
3.0	15136.698	73.777	134.887	2.12%	4.59%
4.0	14100.272	97.865	232.753	2.81%	7.93%
5.0	12607.019	114.893	347.646	3.30%	11.84%
6.0	11877.902	128.675	476.321	3.69%	16.23%
7.0	10737.664	140.374	616.695	4.03%	21.01%
8.0	9342.634	143.711	760.406	4.12%	25.90%
9.0	8074.086	141.153	901.559	4.05%	30.71%
10.0	6822.290	134.807	1036.366	3.87%	35.30%
11.0	5829.602	126.418	1162.784	3.63%	39.61%
12.0	4947.521	117.809	1280.594	3.38%	43.62%
13.0	4289.216	109.617	1390.21	3.14%	47.36%
14.0	3747.298	102.867	1493.077	2.95%	50.86%
15.0	3317.523	96.989	1590.066	2.78%	54.16%
16.0	2990.748	92.434	1682.5	2.65%	57.31%
17.0	2794.771	90.096	1772.596	2.58%	60.38%
18.0	2556.965	88.239	1860.834	2.53%	63.39%
19.0	2286.672	84.269	1945.104	2.42%	66.26%
20.0	2040.299	79.196	2024.299	2.27%	68.96%
21.0	1853.759	74.774	2099.073	2.14%	71.50%
22.0	1698.820	71.391	2170.464	2.05%	73.94%
23.0	1548.930	68.147	2238.61	1.95%	76.26%
24.0	1422.089	64.957	2303.568	1.86%	78.47%
25.0	1281.131	61.465	2365.033	1.76%	80.56%
26.0	1194.693	58.442	2423.475	1.68%	82.55%
27.0	1103.910	56.236	2479.711	1.61%	84.47%
28.0	975.863	52.655	2532.366	1.51%	86.26%
29.0	851.480	47.808	2580.175	1.37%	87.89%
30.0	729.776	42.694	2622.868	1.22%	89.35%
31.0	599.848	37.002	2659.87	1.06%	90.61%
32.0	481.355	30.975	2690.845	0.89%	91.66%
33.0	377.287	25.296	2716.141	0.73%	92.52%
34.0	288.706	20.155	2736.296	0.58%	93.21%
35.0	248.348	16.679	2752.975	0.48%	93.78%
36.0	179.693	13.629	2766.604	0.39%	94.24%
37.0	146.679	10.644	2777.248	0.31%	94.61%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	126.387	9.115	2786.363	0.26%	94.92%
39.0	113.307	8.181	2794.544	0.23%	95.19%
40.0	101.719	7.499	2802.043	0.22%	95.45%
41.0	90.827	6.856	2808.9	0.20%	95.68%
42.0	81.397	6.257	2815.157	0.18%	95.90%
43.0	73.058	5.721	2820.879	0.16%	96.09%
44.0	66.013	5.249	2826.128	0.15%	96.27%
45.0	59.751	4.833	2830.961	0.14%	96.44%
46.0	54.755	4.478	2835.439	0.13%	96.59%
47.0	50.168	4.173	2839.612	0.12%	96.73%
48.0	46.284	3.899	2843.511	0.11%	96.86%
49.0	42.963	3.665	2847.176	0.11%	96.99%
50.0	40.095	3.463	2850.639	0.10%	97.11%
51.0	37.549	3.285	2853.924	0.09%	97.22%
52.0	35.443	3.132	2857.056	0.09%	97.32%
53.0	33.592	3.003	2860.059	0.09%	97.43%
54.0	32.056	2.893	2862.953	0.08%	97.53%
55.0	30.724	2.802	2865.755	0.08%	97.62%
56.0	29.576	2.725	2868.48	0.08%	97.71%
57.0	28.632	2.661	2871.141	0.08%	97.80%
58.0	27.798	2.610	2873.751	0.07%	97.89%
59.0	27.213	2.572	2876.323	0.07%	97.98%
60.0	26.686	2.546	2878.869	0.07%	98.07%
61.0	26.284	2.528	2881.397	0.07%	98.15%
62.0	25.794	2.509	2883.906	0.07%	98.24%
63.0	25.274	2.484	2886.39	0.07%	98.32%
64.0	24.594	2.447	2888.837	0.07%	98.41%
65.0	23.782	2.394	2891.231	0.07%	98.49%
66.0	22.802	2.324	2893.555	0.07%	98.57%
67.0	21.800	2.243	2895.798	0.06%	98.64%
68.0	20.907	2.163	2897.961	0.06%	98.72%
69.0	20.227	2.098	2900.06	0.06%	98.79%
70.0	19.759	2.054	2902.113	0.06%	98.86%
71.0	19.312	2.019	2904.133	0.06%	98.93%
72.0	18.947	1.989	2906.122	0.06%	99.00%
73.0	18.515	1.959	2908.081	0.06%	99.06%
74.0	18.120	1.926	2910.007	0.06%	99.13%
75.0	17.710	1.893	2911.9	0.05%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.352	1.861	2913.762	0.05%	99.26%
77.0	16.906	1.826	2915.588	0.05%	99.32%
78.0	16.408	1.783	2917.371	0.05%	99.38%
79.0	15.962	1.739	2919.111	0.05%	99.44%
80.0	15.472	1.695	2920.805	0.05%	99.50%
81.0	14.909	1.643	2922.448	0.05%	99.55%
82.0	14.440	1.592	2924.04	0.05%	99.61%
83.0	14.016	1.547	2925.587	0.04%	99.66%
84.0	13.694	1.510	2927.096	0.04%	99.71%
85.0	13.387	1.478	2928.574	0.04%	99.76%
86.0	13.080	1.447	2930.021	0.04%	99.81%
87.0	12.831	1.418	2931.439	0.04%	99.86%
88.0	12.685	1.398	2932.837	0.04%	99.91%
89.0	12.582	1.385	2934.222	0.04%	99.95%
90.0	12.568	1.379	2935.601	0.04%	100.00%

Zonal flux distribution table

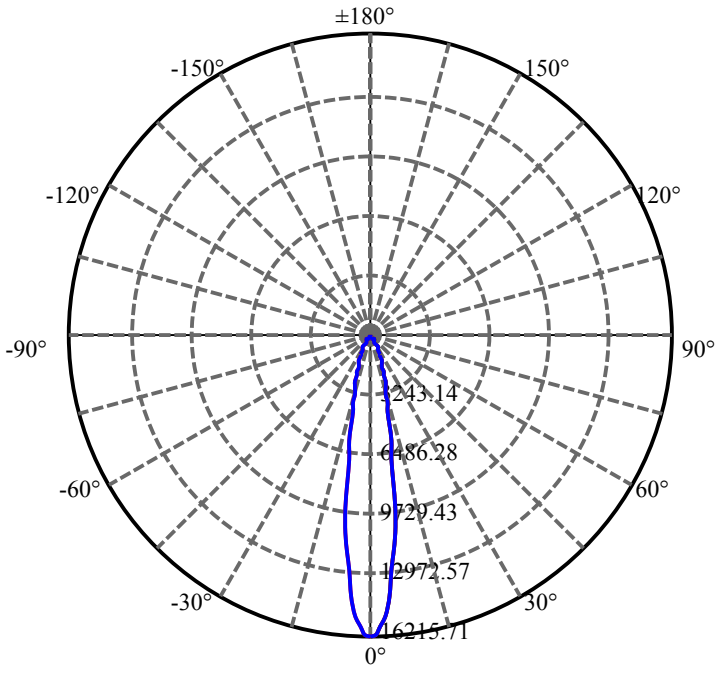
ZONAL LUMEN SUMMARY

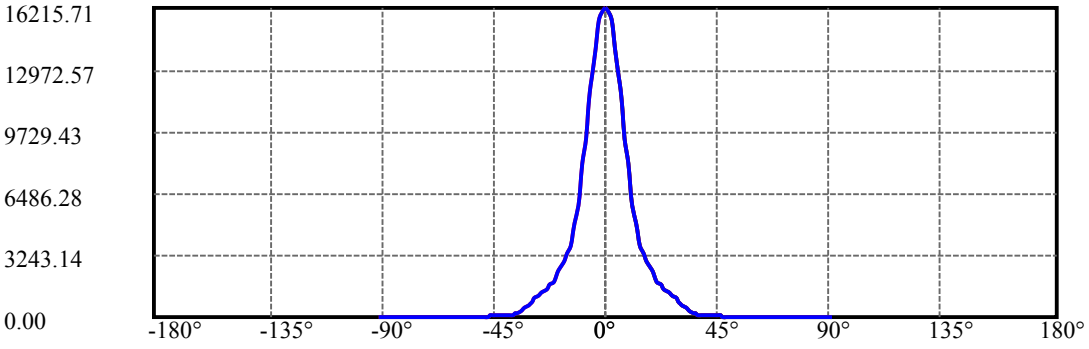
Zone	Lumens	%Lamp	%Fixt
0-30	2622.87	75.24%	89.35%
0-40	2802.04	80.38%	95.45%
0-60	2878.87	82.58%	98.07%
0-90	2934.22	84.17%	99.95%
0-120	2934.22	84.17%	99.95%
0-180	2935.60	84.21%	100.00%
60-90	55.35	1.59%	1.89%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.73	2348.48	67.37%	80.00%

ZONAL LUMEN SUMMARY

0-10	1036.37
10-20	987.93
20-30	598.57
30-40	179.18
40-50	48.60
50-60	28.23
60-70	23.24
70-80	18.69
80-90	13.42
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):

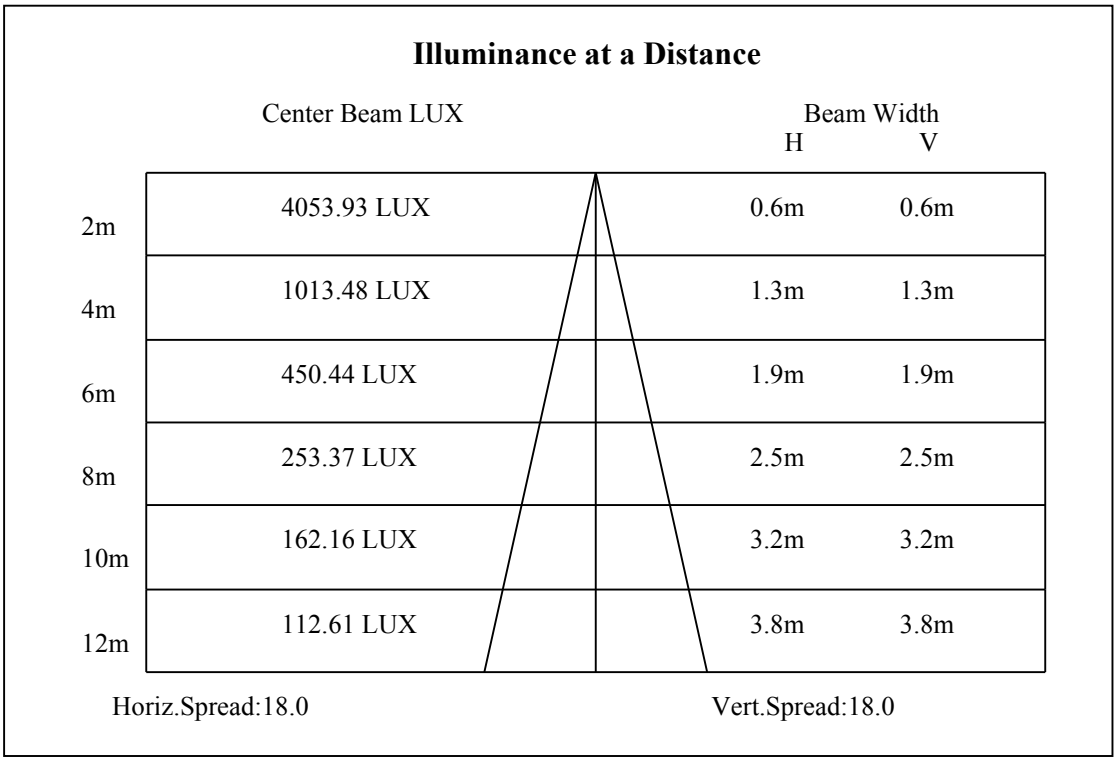
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:22.5 Right:22.5
:C90/270Left:22.5 Right:22.5

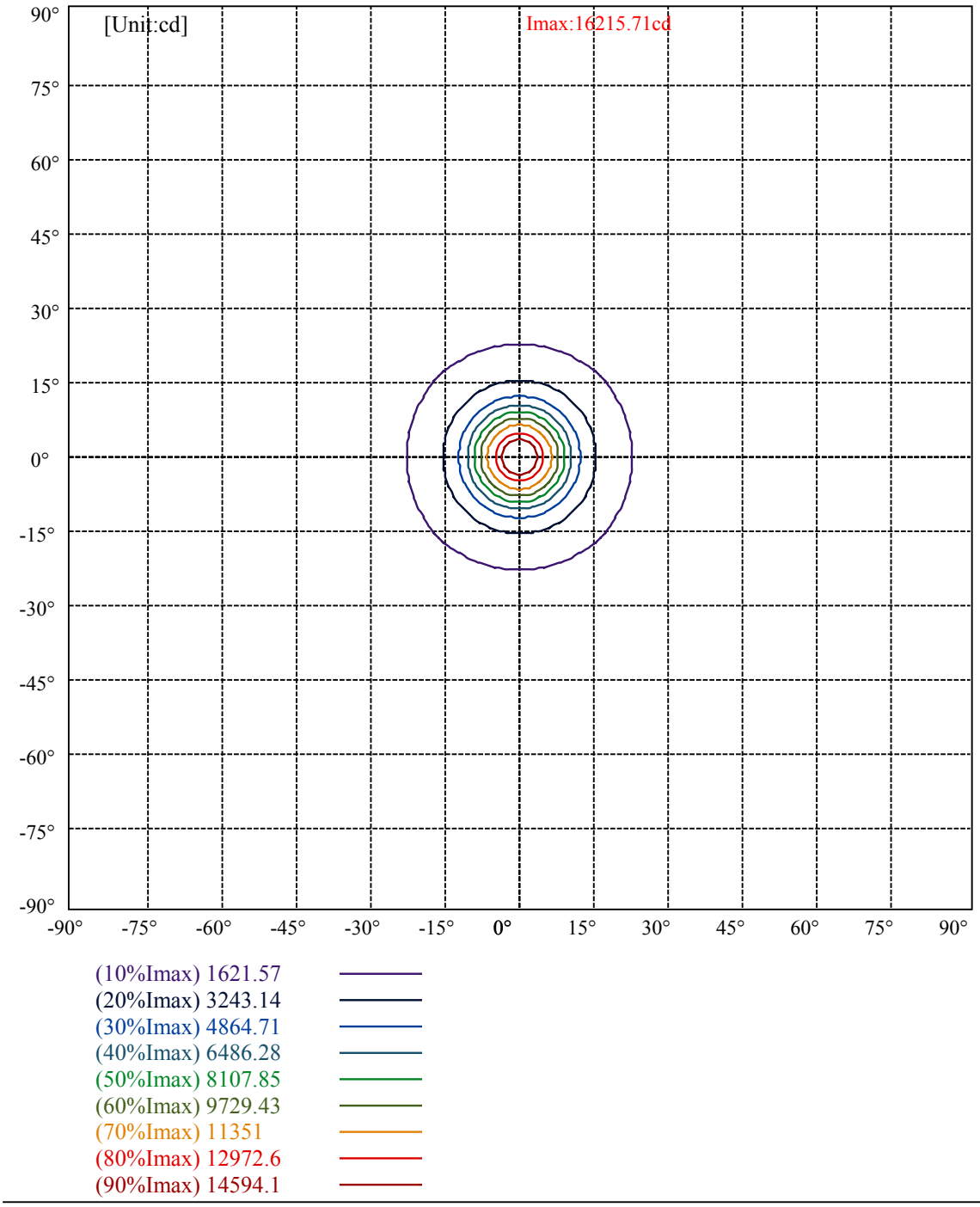
Beam Angle(50%Imax):C0/180Left:9.0 Right:9.0
:C90/270Left:9.0 Right:9.0

Lux distance Curve



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

ISO-Intensity(V-H)

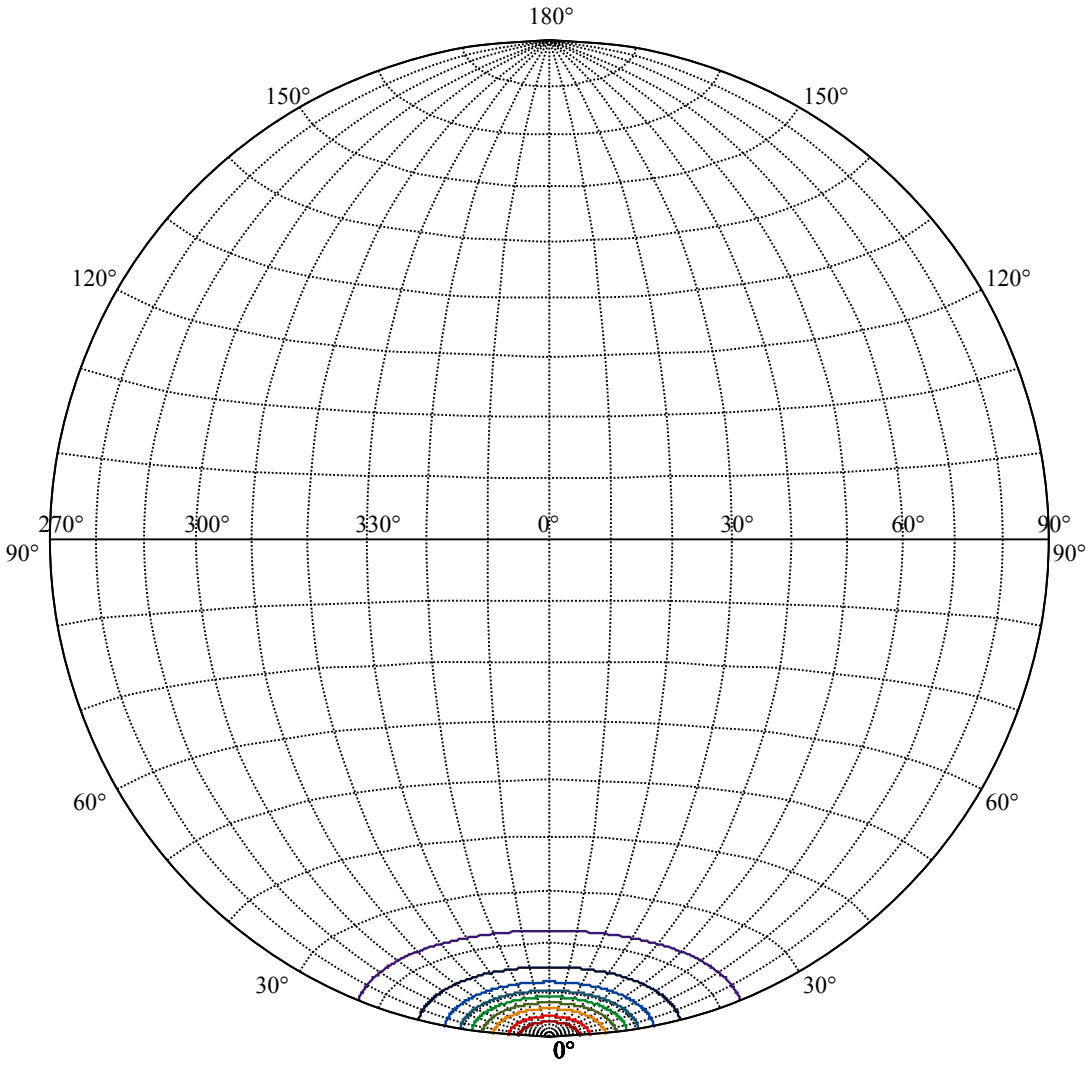


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



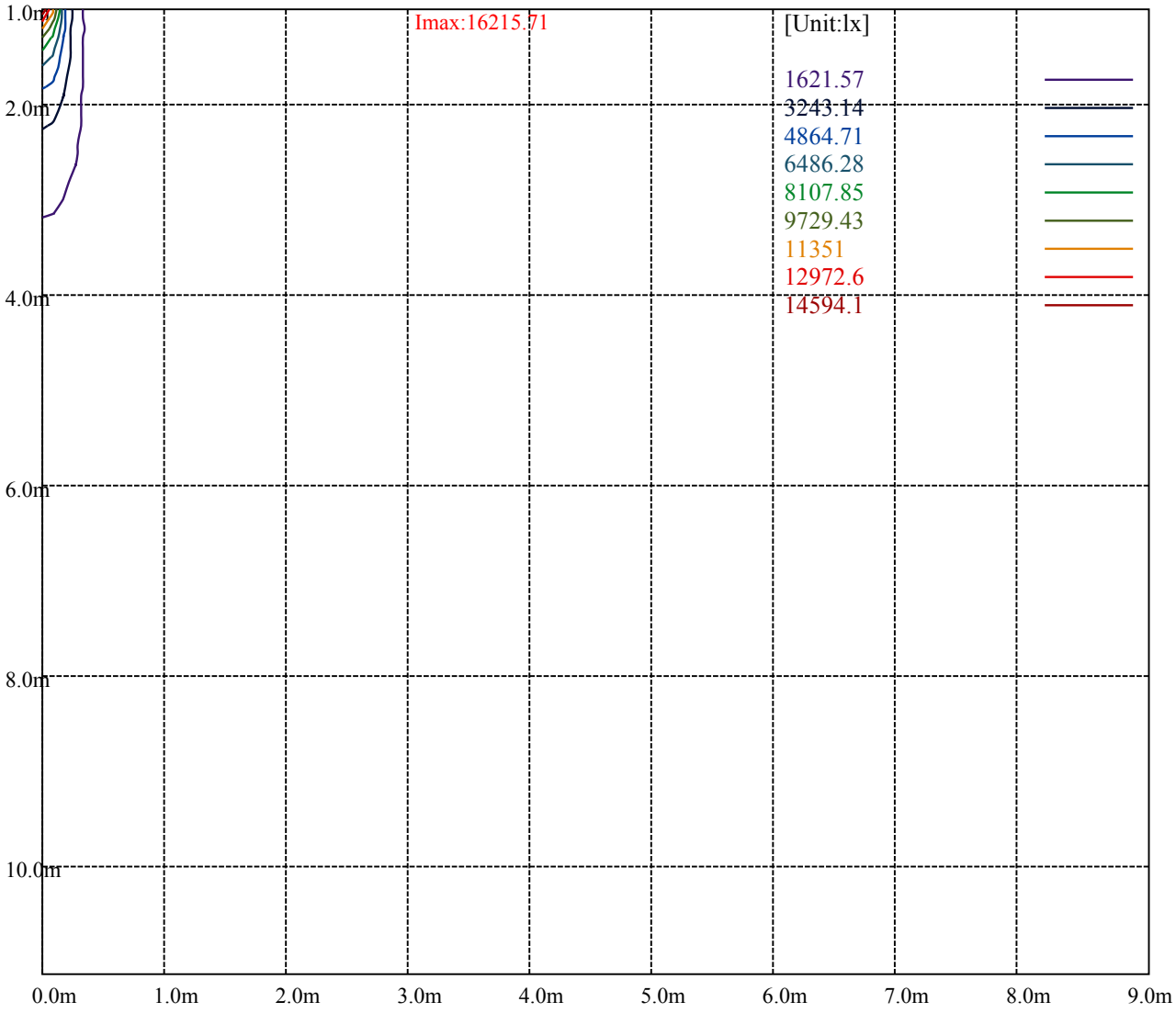
House [Unit:cd] Road

Imax:16215.71

(10%Imax) 1621.57
(20%Imax) 3243.14
(30%Imax) 4864.71
(40%Imax) 6486.28
(50%Imax) 8107.85
(60%Imax) 9729.43
(70%Imax) 11351
(80%Imax) 12972.6
(90%Imax) 14594.1

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 2-2686-L

Luminance Limitting Curve(no luminous side)

Luminance Table

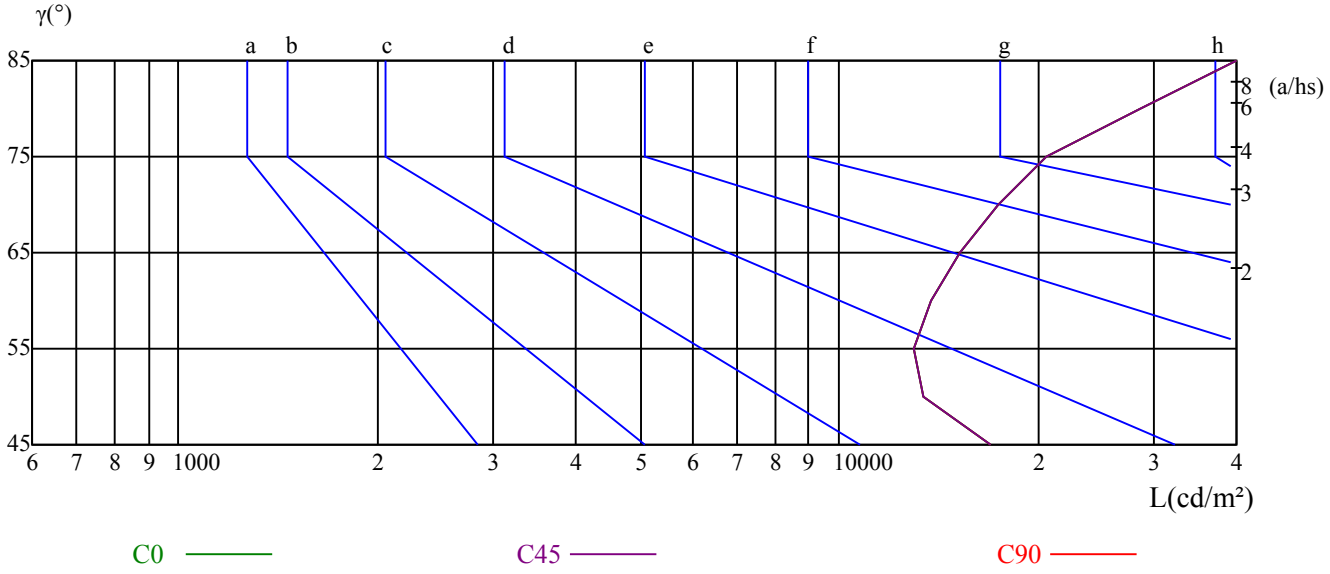
γ	45	50	55	60	65	70	75	80	85
C0	16916	13424	12973	13807	15255	17397	20571	28543	54228
C45	16916	13424	12973	13807	15255	17397	20571	28543	54228
C90	16916	13424	12973	13807	15255	17397	20571	28543	54228

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

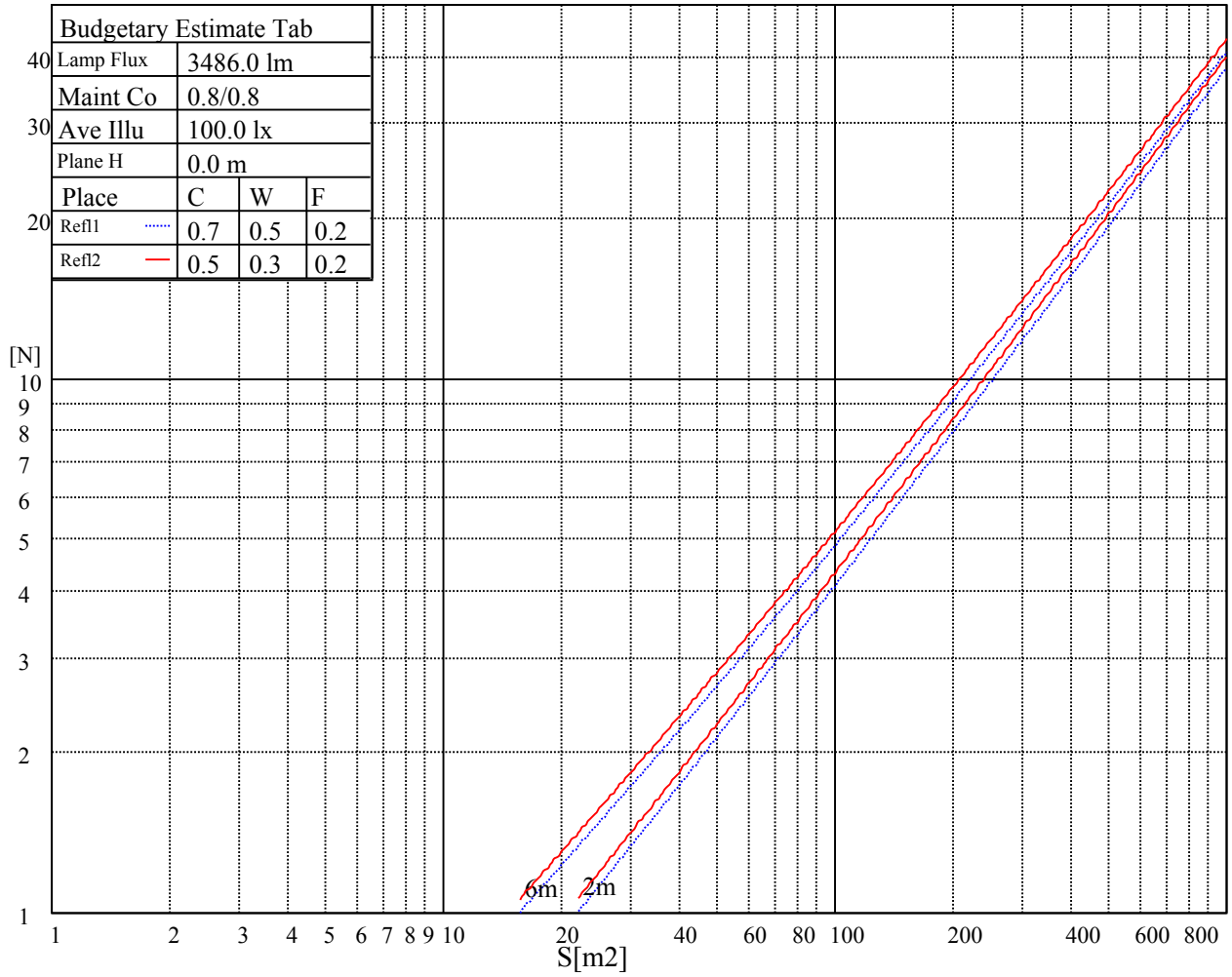
Date: 2024/3/22
Humidity(%): 60.0%

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

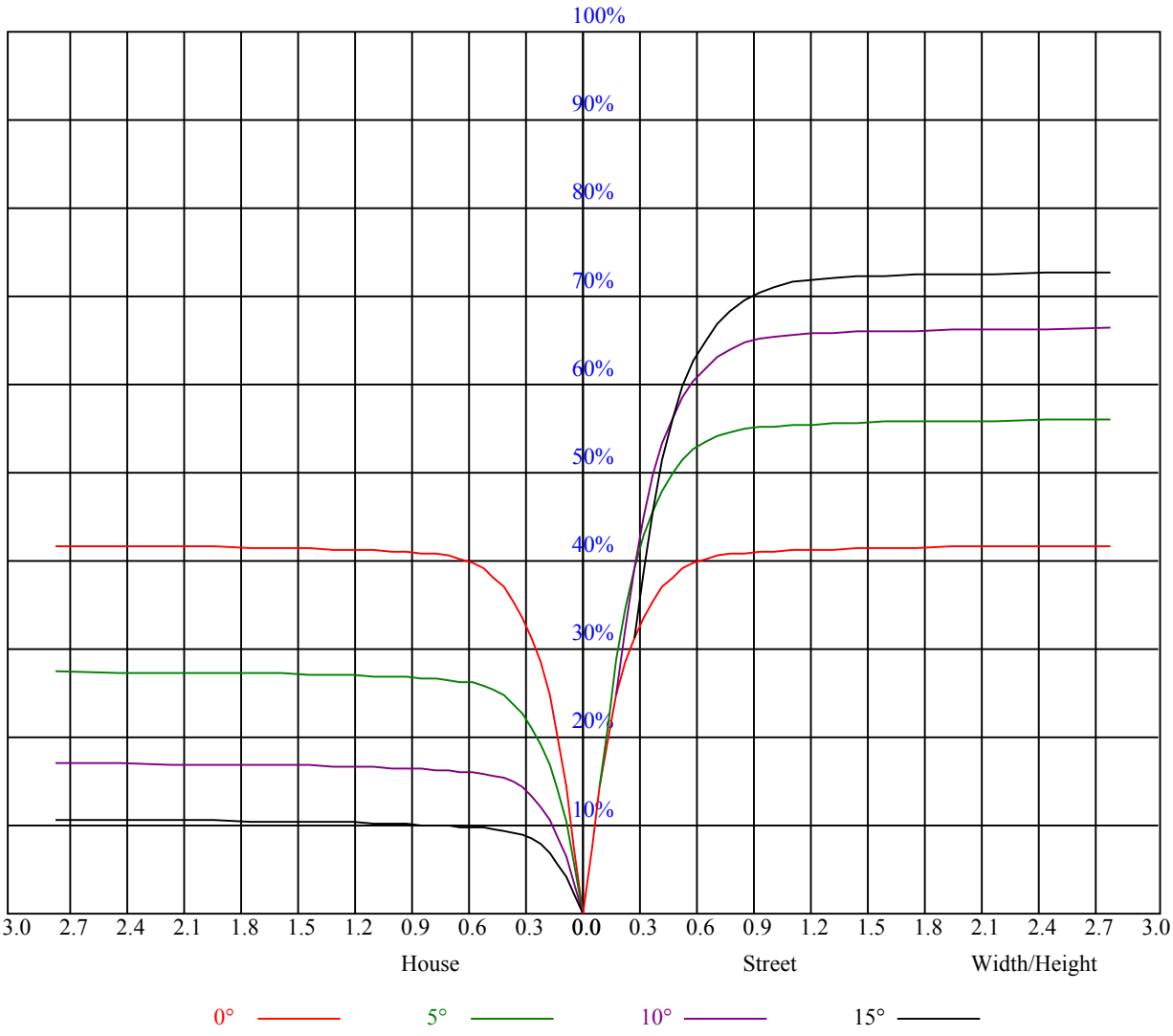


Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

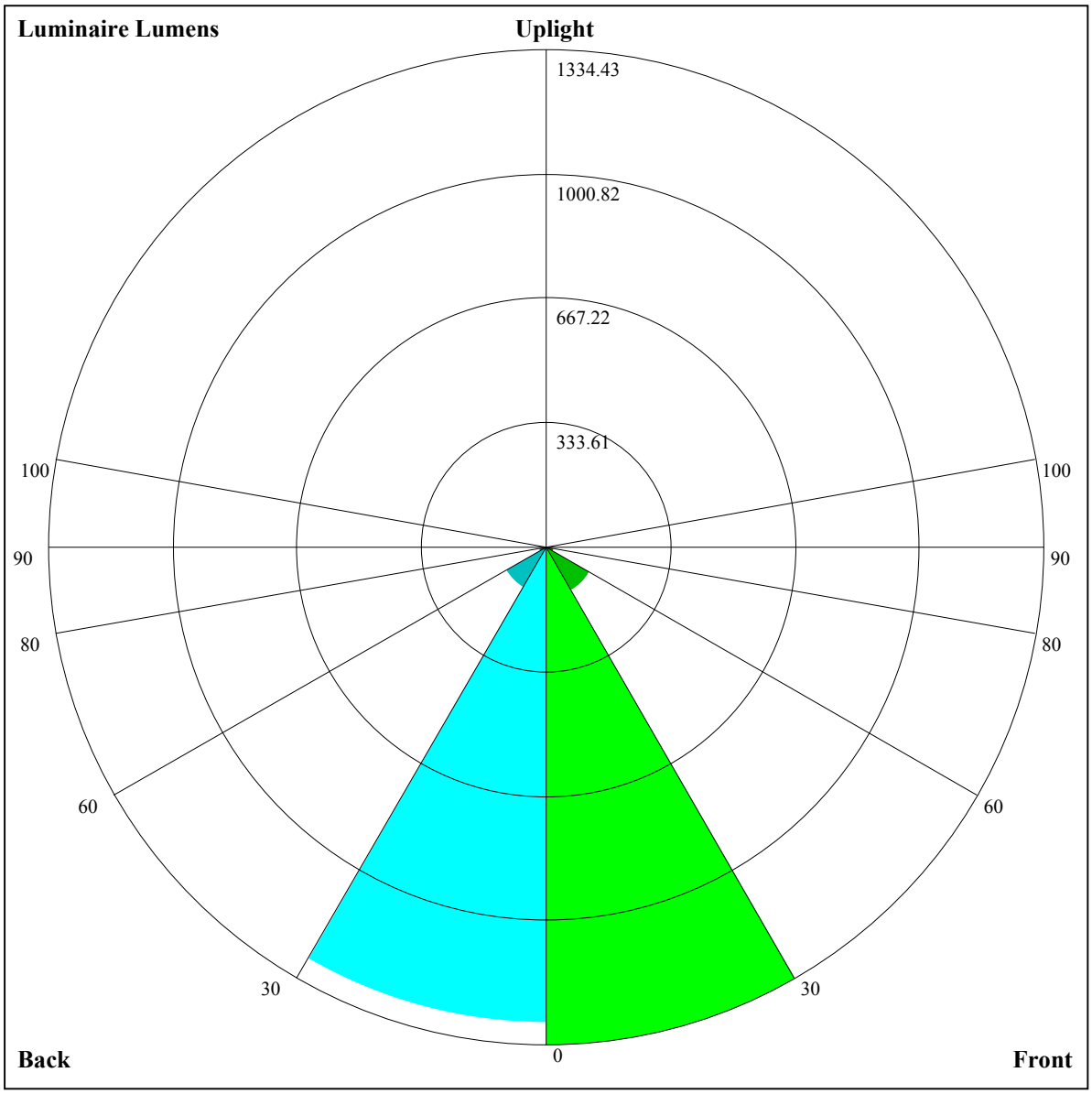
Utilization factor table for indoor luminaire

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	1.00	1.00	1.00	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.94	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	0.87	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.74
4	0.81	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.73	0.71	0.69	0.68
6	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.70	0.67	0.71	0.69	0.67	0.66
7	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.67	0.65	0.64
8	0.70	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.63	0.62
9	0.68	0.64	0.62	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.65	0.63	0.61	0.60
10	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58

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=1334.43,FM=135.55,FH=20.85,FVH=7.43
BL=1277.12,BM=126.07,BH=20.86,BVH=7.39
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	16307.88	16202.54	15898.22	15389.08	14511.24	11516.70	11516.70	11200.09	9594.24
45.0	16097.20	16278.62	16190.83	15880.67	15377.37	14680.95	13557.32	12451.25	11239.83
90.0	16243.51	16073.79	15593.91	14985.27	14189.37	11397.32	11397.32	10447.50	9173.46
135.0	16214.24	16184.98	15927.48	15465.16	14604.88	13691.92	12597.55	11374.43	9776.77
180.0	16307.88	16114.76	15716.80	15137.43	14154.25	13159.37	11988.92	10373.70	9074.50
225.0	16097.20	15699.25	14932.60	14113.29	11580.49	11580.49	10265.49	8945.81	7697.52
270.0	16243.51	16196.69	15822.14	15307.15	14400.05	13463.69	12334.20	11058.41	9437.34
315.0	16214.24	16003.56	15605.61	14815.56	13984.54	11365.71	11365.71	10050.13	8747.42
360.0	16307.88	16202.54	15898.22	15389.08	14511.24	11516.70	11516.70	11200.09	9594.24

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8341.27	7177.26	5920.19	5112.00	4321.36	3832.11	3430.65	3091.22	2741.25
45.0	9665.58	8419.05	7254.45	5990.36	5176.90	4363.44	3854.29	3438.78	3099.35
90.0	7946.83	6557.50	5620.56	4859.18	4250.55	3655.37	3276.73	2884.63	2623.04
135.0	8524.39	7348.09	6300.53	5235.42	4550.71	4000.60	3456.34	3099.35	2953.05
180.0	7845.53	6446.84	5533.89	4778.95	4053.27	3596.79	3222.25	2982.31	2982.31
225.0	6568.04	5419.24	4697.07	3994.80	3550.03	3185.44	2816.16	2568.61	2355.00
270.0	8179.10	7014.51	5984.51	4977.92	4340.03	3825.03	3315.88	2988.16	2988.16
315.0	7521.96	6195.84	5325.61	4631.53	4070.88	3519.60	3167.88	2872.93	2616.01
360.0	8341.27	7177.26	5920.19	5112.00	4321.36	3832.11	3430.65	3091.22	2741.25

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2507.16	2302.92	2118.57	1901.45	1738.18	1597.14	1487.12	1303.94	1158.63
45.0	3017.42	3017.42	2308.77	2127.35	1952.95	1751.64	1610.60	1474.24	1381.77
90.0	2401.24	2161.88	1989.24	1825.38	1670.29	1514.62	1416.30	1164.31	1164.31
135.0	2953.05	2307.60	2125.01	1912.57	1748.13	1603.58	1491.21	1375.92	1277.60
180.0	2376.07	2174.17	2000.36	1800.21	1644.54	1488.29	1393.48	1298.67	1156.46
225.0	2164.22	1950.61	1786.75	1628.15	1501.16	1382.36	1150.08	1150.08	1035.79
270.0	2692.68	2220.99	2050.10	1852.88	1698.38	1556.17	1421.57	1333.79	1234.88
315.0	2343.88	2157.78	1943.59	1782.07	1636.93	1497.65	1406.35	1148.09	1148.09
360.0	2507.16	2302.92	2118.57	1901.45	1738.18	1597.14	1487.12	1303.94	1158.63

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1158.63	1011.21	893.81	746.75	631.28	519.39	412.53	293.96	220.34
45.0	1282.87	1141.83	1024.79	906.57	787.77	642.05	530.86	423.76	327.20
90.0	1078.92	962.17	846.59	731.30	588.97	479.07	353.01	266.10	199.74
135.0	1165.83	1047.61	896.62	777.82	635.61	526.76	420.25	301.45	301.45
180.0	1042.34	920.03	809.42	690.04	546.07	443.66	344.76	298.52	298.52
225.0	920.32	802.05	654.57	539.46	430.84	311.46	234.32	178.14	148.41
270.0	1120.76	980.31	865.61	743.29	618.64	481.11	376.94	305.55	305.55
315.0	1061.60	941.69	820.43	702.97	559.59	447.35	345.63	242.17	185.57
360.0	1158.63	1011.21	893.81	746.75	631.28	519.39	412.53	293.96	220.34

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	173.81	150.52	132.26	119.39	107.86	97.15	85.15	76.96	68.12
45.0	304.96	214.08	147.83	132.61	116.40	104.81	92.00	83.04	75.14
90.0	154.03	137.18	123.48	108.56	97.79	88.08	79.36	69.99	63.61
135.0	211.15	142.33	128.52	116.05	104.58	91.65	82.46	74.38	67.42
180.0	152.28	137.59	122.66	111.08	100.78	88.25	79.82	70.58	64.26
225.0	131.15	119.68	109.55	99.55	87.84	79.53	72.16	64.37	59.11
270.0	155.32	137.00	124.54	111.02	100.89	89.01	80.53	72.98	66.36
315.0	154.85	135.07	122.25	108.21	97.62	88.13	79.71	72.16	64.08
360.0	173.81	150.52	132.26	119.39	107.86	97.15	85.15	76.96	68.12

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	61.98	56.71	51.09	47.29	43.95	40.32	37.86	35.70	33.88
45.0	66.77	61.04	56.12	51.79	47.17	43.89	41.02	38.57	36.17
90.0	58.11	53.37	48.28	44.83	41.84	38.62	36.46	34.24	32.71
135.0	59.93	54.84	50.45	45.88	42.72	40.03	37.16	35.29	33.71
180.0	58.99	54.31	49.45	46.17	43.25	40.67	37.92	35.99	34.24
225.0	54.48	49.63	46.29	42.72	40.26	38.04	36.05	34.35	32.54
270.0	59.28	54.54	50.33	46.76	42.84	40.20	37.86	35.29	33.53
315.0	58.46	53.61	49.33	44.83	41.67	38.98	36.05	34.12	31.95
360.0	61.98	56.71	51.09	47.29	43.95	40.32	37.86	35.70	33.88

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.01	30.72	29.67	28.73	27.86	27.27	26.74	26.39	26.04
45.0	34.41	32.95	31.43	30.31	29.26	28.44	27.80	27.21	26.80
90.0	31.43	30.31	29.09	28.27	27.56	27.04	26.51	26.16	25.69
135.0	31.95	30.72	29.67	28.79	27.80	27.21	26.74	26.39	25.87
180.0	32.77	31.13	30.08	28.97	28.21	27.62	27.04	26.63	26.16
225.0	31.31	30.20	29.26	28.27	27.51	27.10	26.63	26.16	25.40
270.0	32.01	30.37	29.26	28.38	27.45	26.80	26.34	25.93	25.40
315.0	30.55	29.38	28.15	27.33	26.74	26.22	25.69	25.40	24.99
360.0	32.01	30.72	29.67	28.73	27.86	27.27	26.74	26.39	26.04

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.46	24.81	23.99	23.23	22.00	21.01	20.31	19.55	18.96
45.0	26.34	25.93	25.11	24.29	23.41	22.41	21.24	20.48	19.78
90.0	25.16	24.46	23.70	22.59	21.65	20.72	19.78	19.14	18.55
135.0	25.46	24.99	24.05	23.29	22.00	21.13	20.31	19.61	19.02
180.0	25.57	24.70	23.94	22.88	22.00	20.95	20.19	19.84	19.72
225.0	24.76	23.88	23.00	21.77	20.89	20.48	20.42	20.37	20.07
270.0	24.99	24.40	23.64	22.53	21.59	20.48	19.78	19.08	18.43
315.0	24.46	23.58	22.82	21.83	20.83	20.07	19.78	20.01	19.96
360.0	25.46	24.81	23.99	23.23	22.00	21.01	20.31	19.55	18.96

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.61	18.32	17.97	17.73	17.44	17.03	16.56	16.15	15.51
45.0	19.25	18.61	18.14	17.67	17.26	16.91	16.44	16.04	15.63
90.0	18.08	17.56	17.21	16.85	16.50	16.09	15.74	15.27	14.92
135.0	18.73	18.43	18.14	17.85	17.62	17.32	16.91	16.56	16.09
180.0	19.61	19.25	18.90	18.49	18.26	17.67	17.21	16.68	16.04
225.0	19.72	19.25	18.84	18.14	17.67	17.09	16.27	15.74	15.16
270.0	18.02	17.56	17.09	16.74	16.39	16.04	15.63	15.27	14.98
315.0	19.55	19.14	18.67	18.20	17.67	17.09	16.50	15.98	15.45
360.0	18.61	18.32	17.97	17.73	17.44	17.03	16.56	16.15	15.51

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.04	14.51	14.16	13.75	13.46	13.23	12.93	12.70	12.70
45.0	15.16	14.75	14.40	14.05	13.69	13.46	13.11	12.87	12.70
90.0	14.63	14.28	13.99	13.75	13.40	13.05	12.87	12.70	12.52
135.0	15.51	15.04	14.10	13.75	13.46	13.11	12.87	12.64	12.58
180.0	15.22	14.46	13.93	13.58	13.34	12.93	12.70	12.70	12.52
225.0	14.34	13.99	13.69	13.40	12.99	12.82	12.64	12.47	12.70
270.0	14.63	14.34	14.05	13.75	13.46	13.11	12.82	12.70	12.47
315.0	14.75	14.16	13.81	13.52	13.28	12.93	12.70	12.70	12.47
360.0	15.04	14.51	14.16	13.75	13.46	13.23	12.93	12.70	12.70

Intensity data(cd)

C/γ(°)	90.0
0.0	12.47
45.0	12.52
90.0	12.58
135.0	12.52
180.0	12.52
225.0	12.52
270.0	12.70
315.0	12.70
360.0	12.47