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NT

Client:
LumCAT: 2-2682-L
Luminaire: 92.70.412.00
Report No: 2024319-B012
Ballast type: AC

Test No: 2024319-C012	Voltage(V): 35.100
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.451
Lamp flux(lm): 2698.0	Power (W): 15.830
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2372.02, Efficiency(%): 87.92% , Luminous Efficacy(lm/W): 149.84
Central intensity(cd): 9878.656, Maximum intensity(cd): 9878.656
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.8
[C90/270]Total=19.8
Field angle(10%Imax): [C0/180]Total=54.0
[C90/270]Total=54.0
Maximum s/h(1/2): C0_180=0.34 C90_270=0.34
Maximum s/h(1/4): C0_180=0.39 C90_270=0.39
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 87.92%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.068%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9878.657	0.000	0	0.00%	0.00%
1.0	9823.280	9.427	9.427	0.35%	0.40%
2.0	9610.111	27.893	37.32	1.03%	1.57%
3.0	9232.422	45.065	82.385	1.67%	3.47%
4.0	8719.618	60.091	142.476	2.23%	6.01%
5.0	8113.325	72.414	214.89	2.68%	9.06%
6.0	7478.137	81.937	296.828	3.04%	12.51%
7.0	6791.960	88.574	385.402	3.28%	16.25%
8.0	6146.530	92.598	478	3.43%	20.15%
9.0	5538.921	94.704	572.705	3.51%	24.14%
10.0	4869.935	94.196	666.901	3.49%	28.12%
11.0	4372.348	92.349	759.25	3.42%	32.01%
12.0	3898.535	90.413	849.663	3.35%	35.82%
13.0	3513.530	87.963	937.625	3.26%	39.53%
14.0	3165.467	85.491	1023.116	3.17%	43.13%
15.0	2867.295	82.820	1105.936	3.07%	46.62%
16.0	2611.259	80.276	1186.213	2.98%	50.01%
17.0	2374.243	77.638	1263.85	2.88%	53.28%
18.0	2162.831	74.807	1338.657	2.77%	56.44%
19.0	1971.243	71.924	1410.581	2.67%	59.47%
20.0	1794.432	68.922	1479.504	2.55%	62.37%
21.0	1608.981	65.352	1544.856	2.42%	65.13%
22.0	1498.739	62.451	1607.307	2.31%	67.76%
23.0	1379.244	60.388	1667.695	2.24%	70.31%
24.0	1253.172	57.554	1725.249	2.13%	72.73%
25.0	1150.984	54.665	1779.914	2.03%	75.04%
26.0	1065.834	52.328	1832.242	1.94%	77.24%
27.0	987.355	50.232	1882.474	1.86%	79.36%
28.0	904.590	47.900	1930.374	1.78%	81.38%
29.0	825.716	45.270	1975.644	1.68%	83.29%
30.0	748.408	42.501	2018.145	1.58%	85.08%
31.0	668.276	39.424	2057.569	1.46%	86.74%
32.0	584.976	35.904	2093.473	1.33%	88.26%
33.0	499.833	31.959	2125.432	1.18%	89.60%
34.0	427.895	28.076	2153.508	1.04%	90.79%
35.0	357.697	24.398	2177.905	0.90%	91.82%
36.0	277.163	20.214	2198.119	0.75%	92.67%
37.0	217.492	16.133	2214.252	0.60%	93.35%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	174.002	13.068	2227.32	0.48%	93.90%
39.0	153.878	11.191	2238.511	0.41%	94.37%
40.0	108.471	9.150	2247.661	0.34%	94.76%
41.0	77.879	6.636	2254.297	0.25%	95.04%
42.0	64.602	5.177	2259.473	0.19%	95.26%
43.0	58.259	4.551	2264.025	0.17%	95.45%
44.0	55.084	4.278	2268.302	0.16%	95.63%
45.0	52.224	4.124	2272.426	0.15%	95.80%
46.0	49.583	3.981	2276.408	0.15%	95.97%
47.0	47.506	3.861	2280.269	0.14%	96.13%
48.0	45.772	3.771	2284.04	0.14%	96.29%
49.0	44.441	3.705	2287.745	0.14%	96.45%
50.0	43.314	3.659	2291.404	0.14%	96.60%
51.0	42.385	3.626	2295.029	0.13%	96.75%
52.0	41.580	3.603	2298.632	0.13%	96.91%
53.0	40.988	3.592	2302.224	0.13%	97.06%
54.0	40.549	3.594	2305.818	0.13%	97.21%
55.0	39.847	3.589	2309.407	0.13%	97.36%
56.0	38.822	3.555	2312.961	0.13%	97.51%
57.0	37.381	3.484	2316.446	0.13%	97.66%
58.0	35.735	3.381	2319.827	0.13%	97.80%
59.0	33.972	3.259	2323.086	0.12%	97.94%
60.0	31.895	3.112	2326.197	0.12%	98.07%
61.0	29.466	2.928	2329.126	0.11%	98.19%
62.0	26.503	2.697	2331.823	0.10%	98.31%
63.0	24.097	2.461	2334.284	0.09%	98.41%
64.0	21.946	2.259	2336.543	0.08%	98.50%
65.0	20.066	2.079	2338.622	0.08%	98.59%
66.0	18.193	1.909	2340.531	0.07%	98.67%
67.0	16.694	1.754	2342.285	0.07%	98.75%
68.0	15.655	1.639	2343.924	0.06%	98.82%
69.0	14.916	1.560	2345.483	0.06%	98.88%
70.0	14.448	1.508	2346.991	0.06%	98.94%
71.0	14.031	1.472	2348.463	0.05%	99.01%
72.0	13.716	1.443	2349.906	0.05%	99.07%
73.0	13.416	1.419	2351.325	0.05%	99.13%
74.0	13.146	1.396	2352.721	0.05%	99.19%
75.0	12.882	1.375	2354.097	0.05%	99.24%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.604	1.353	2355.449	0.05%	99.30%
77.0	12.356	1.331	2356.78	0.05%	99.36%
78.0	12.114	1.310	2358.09	0.05%	99.41%
79.0	11.851	1.288	2359.378	0.05%	99.47%
80.0	11.580	1.263	2360.641	0.05%	99.52%
81.0	11.302	1.237	2361.878	0.05%	99.57%
82.0	11.039	1.212	2363.09	0.04%	99.62%
83.0	10.797	1.187	2364.277	0.04%	99.67%
84.0	10.571	1.164	2365.441	0.04%	99.72%
85.0	10.351	1.142	2366.583	0.04%	99.77%
86.0	10.146	1.120	2367.703	0.04%	99.82%
87.0	9.949	1.100	2368.803	0.04%	99.86%
88.0	9.803	1.082	2369.885	0.04%	99.91%
89.0	9.722	1.070	2370.955	0.04%	99.96%
90.0	9.649	1.062	2372.017	0.04%	100.00%

Zonal flux distribution table

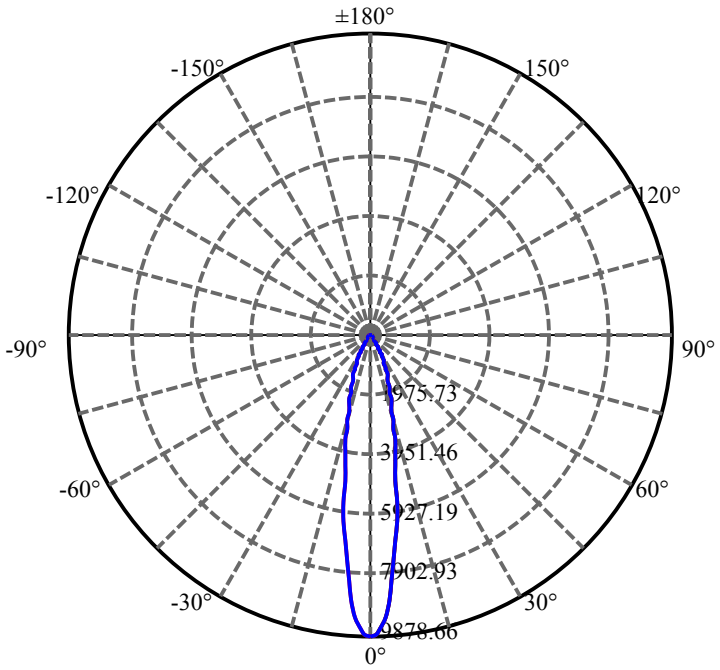
ZONAL LUMEN SUMMARY

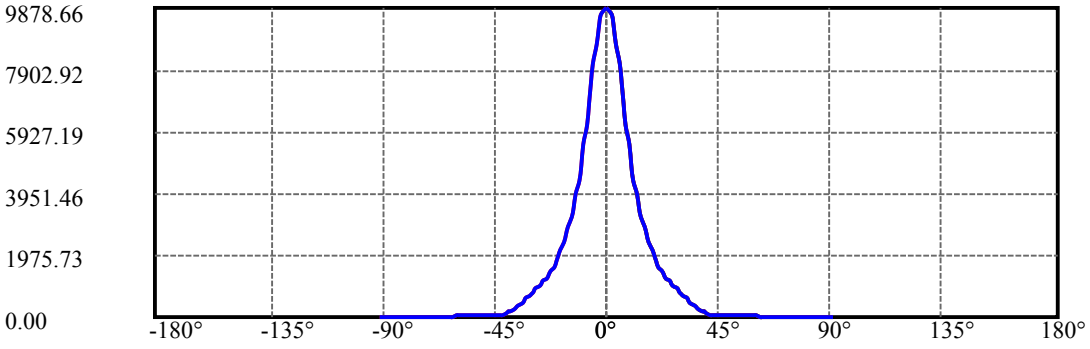
Zone	Lumens	%Lamp	%Fixt
0-30	2018.14	74.80%	85.08%
0-40	2247.66	83.31%	94.76%
0-60	2326.20	86.22%	98.07%
0-90	2370.96	87.88%	99.96%
0-120	2370.96	87.88%	99.96%
0-180	2372.02	87.92%	100.00%
60-90	44.76	1.66%	1.89%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.32	1897.61	70.33%	80.00%

ZONAL LUMEN SUMMARY

0-10	666.90
10-20	812.60
20-30	538.64
30-40	229.52
40-50	43.74
50-60	34.79
60-70	20.79
70-80	13.65
80-90	10.31
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):

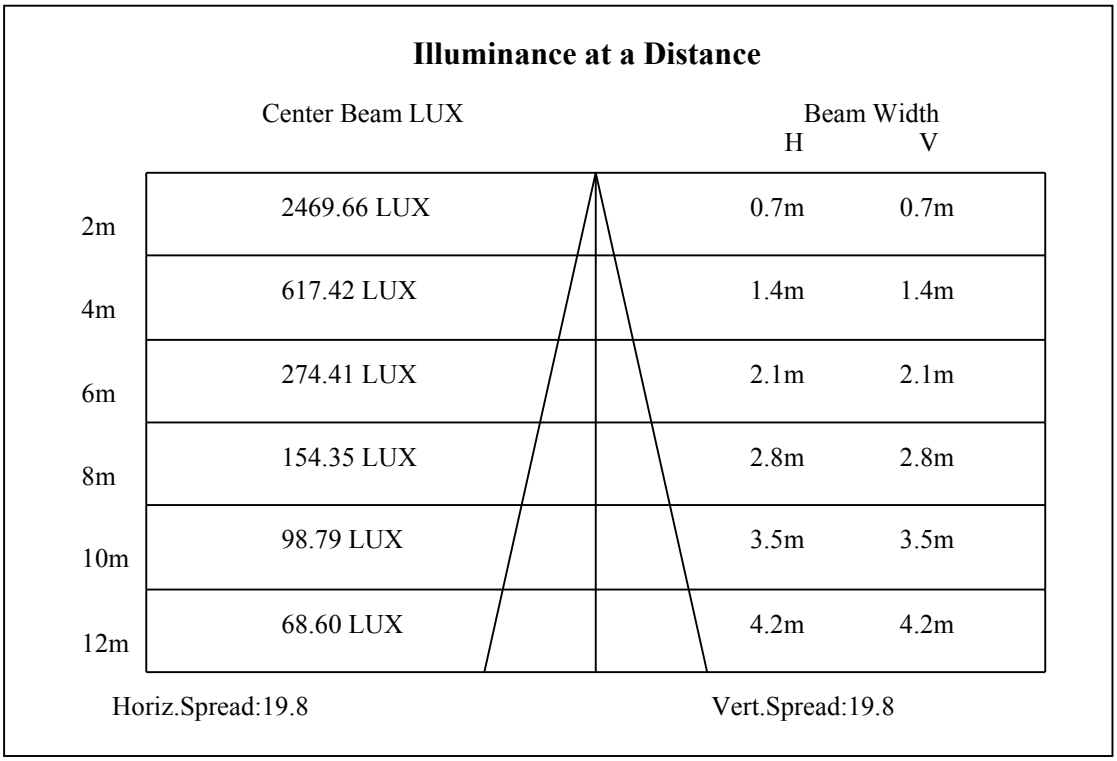
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:27.0 Right:27.0
:C90/270Left:27.0 Right:27.0

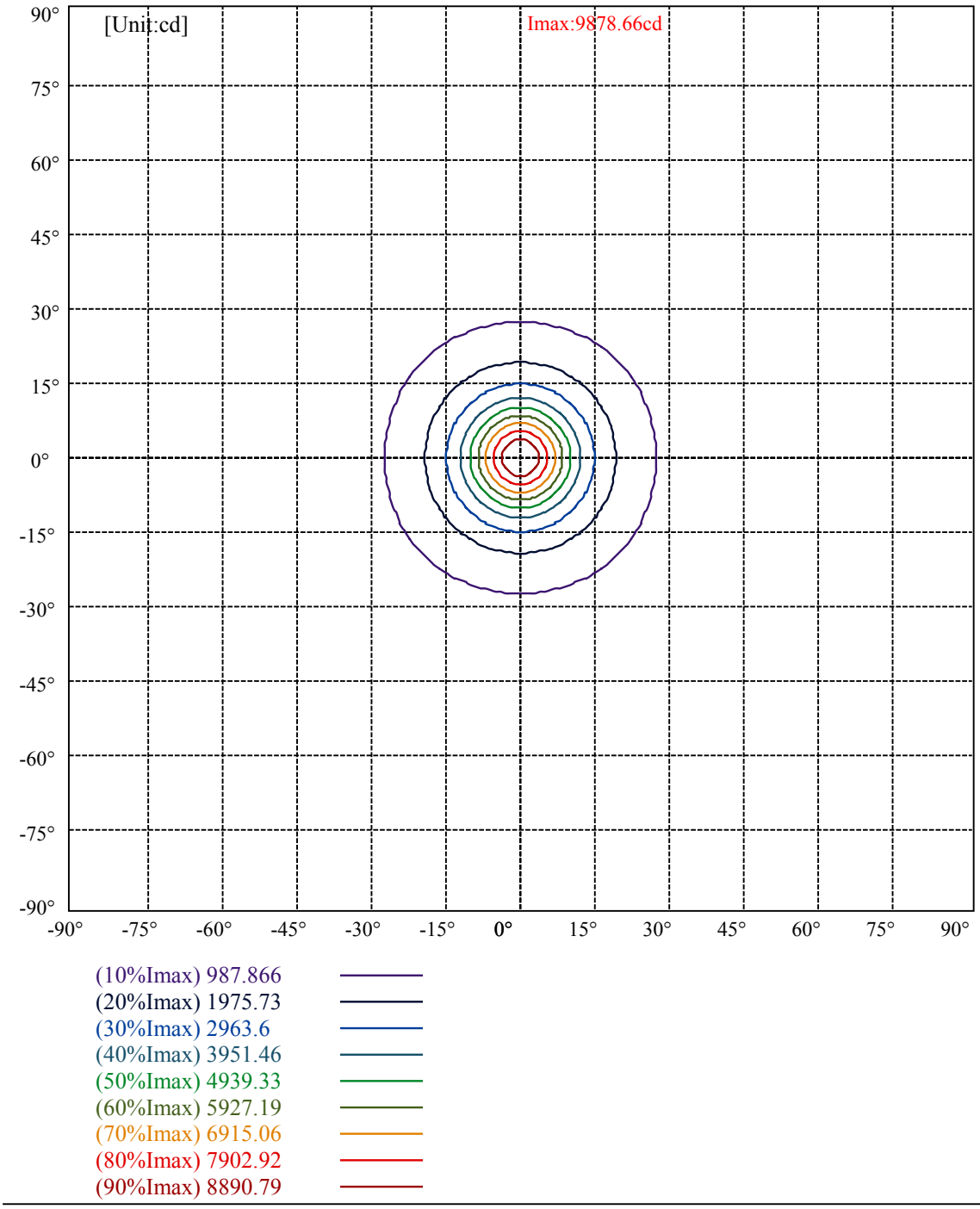
Beam Angle(50%Imax):C0/180Left:9.9 Right:9.9
:C90/270Left:9.9 Right:9.9

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/19 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

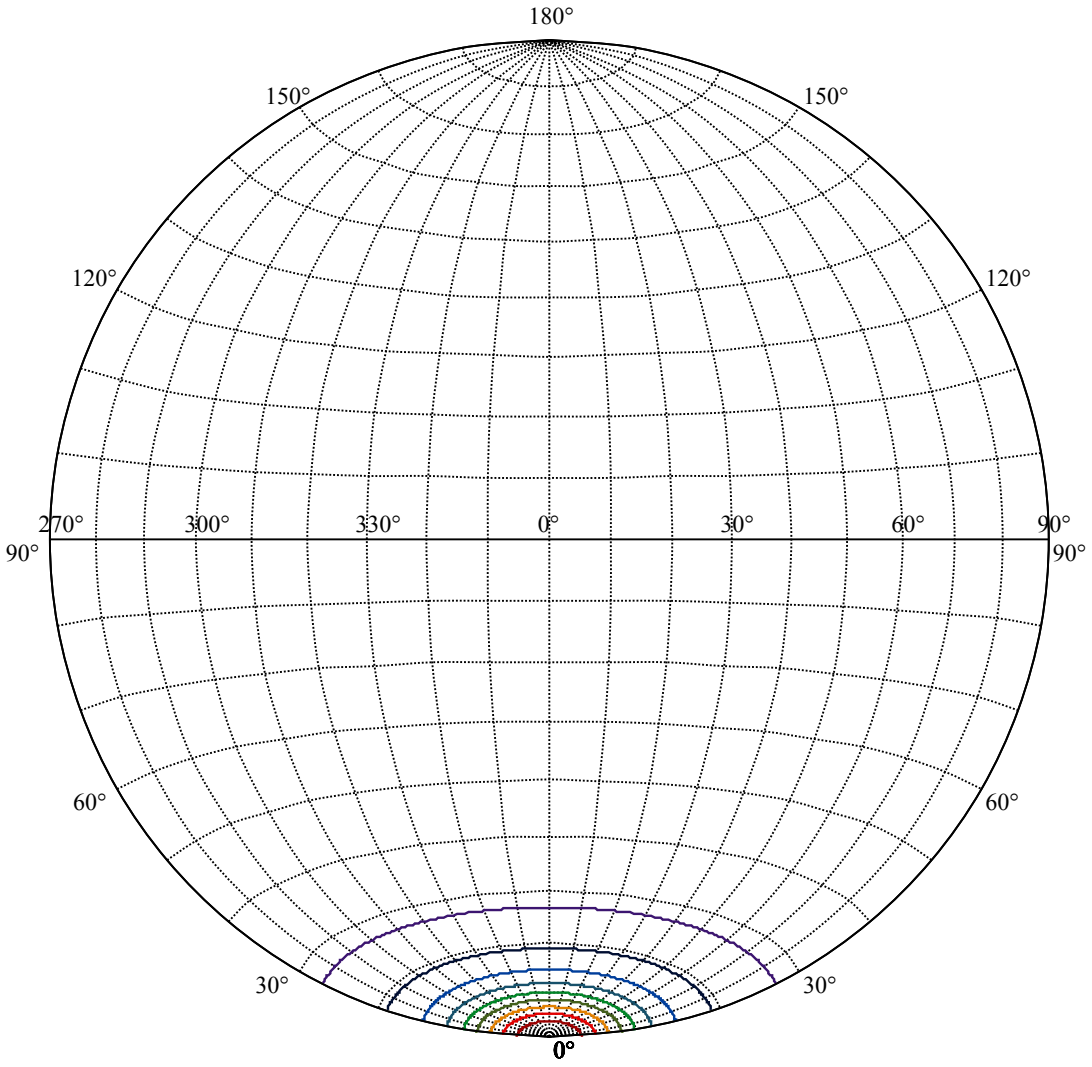


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/19
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



[Unit:cd]

Imax:9878.66

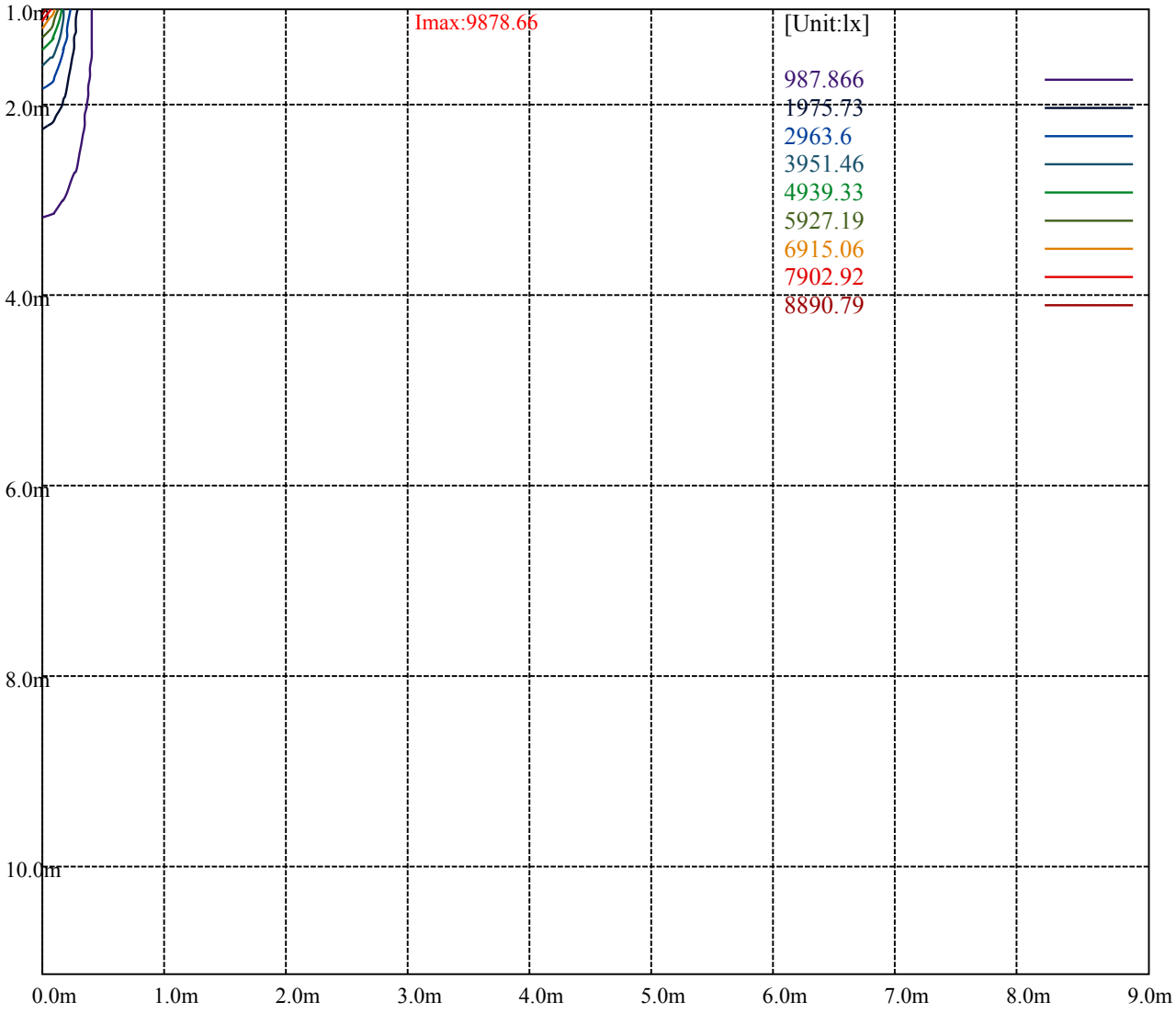
(10%Imax) 987.866
(20%Imax) 1975.73
(30%Imax) 2963.6
(40%Imax) 3951.46
(50%Imax) 4939.33
(60%Imax) 5927.19
(70%Imax) 6915.06
(80%Imax) 7902.92
(90%Imax) 8890.79

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/19
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/19
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2682-L

Luminance Limitting Curve(no luminous side)

Luminance Table

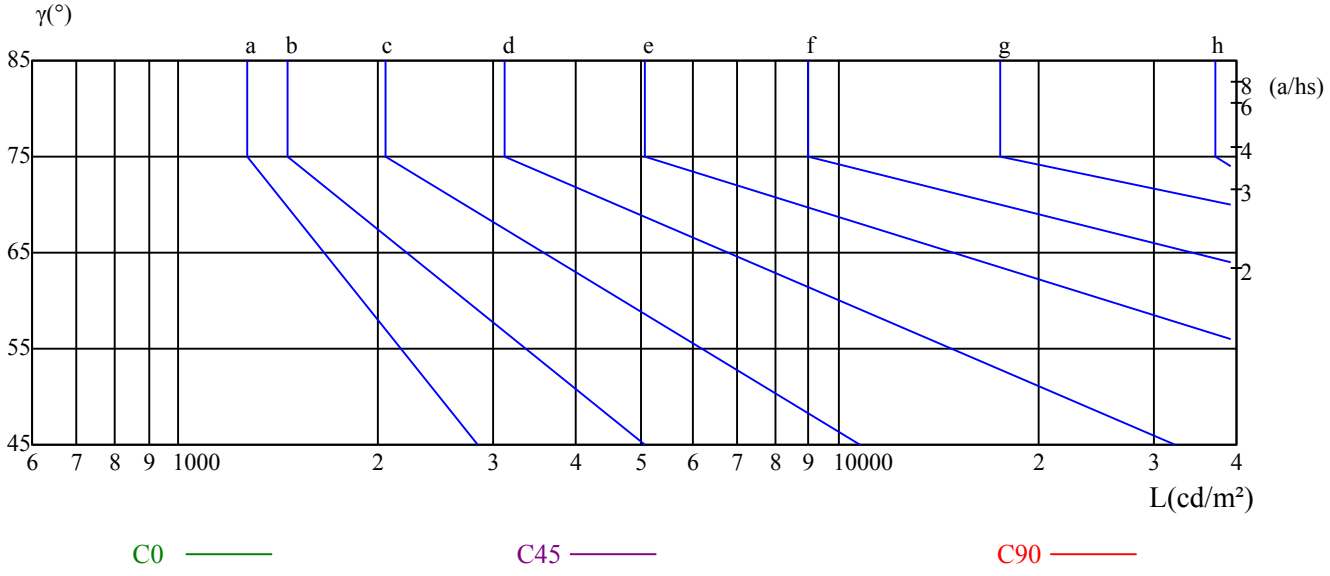
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

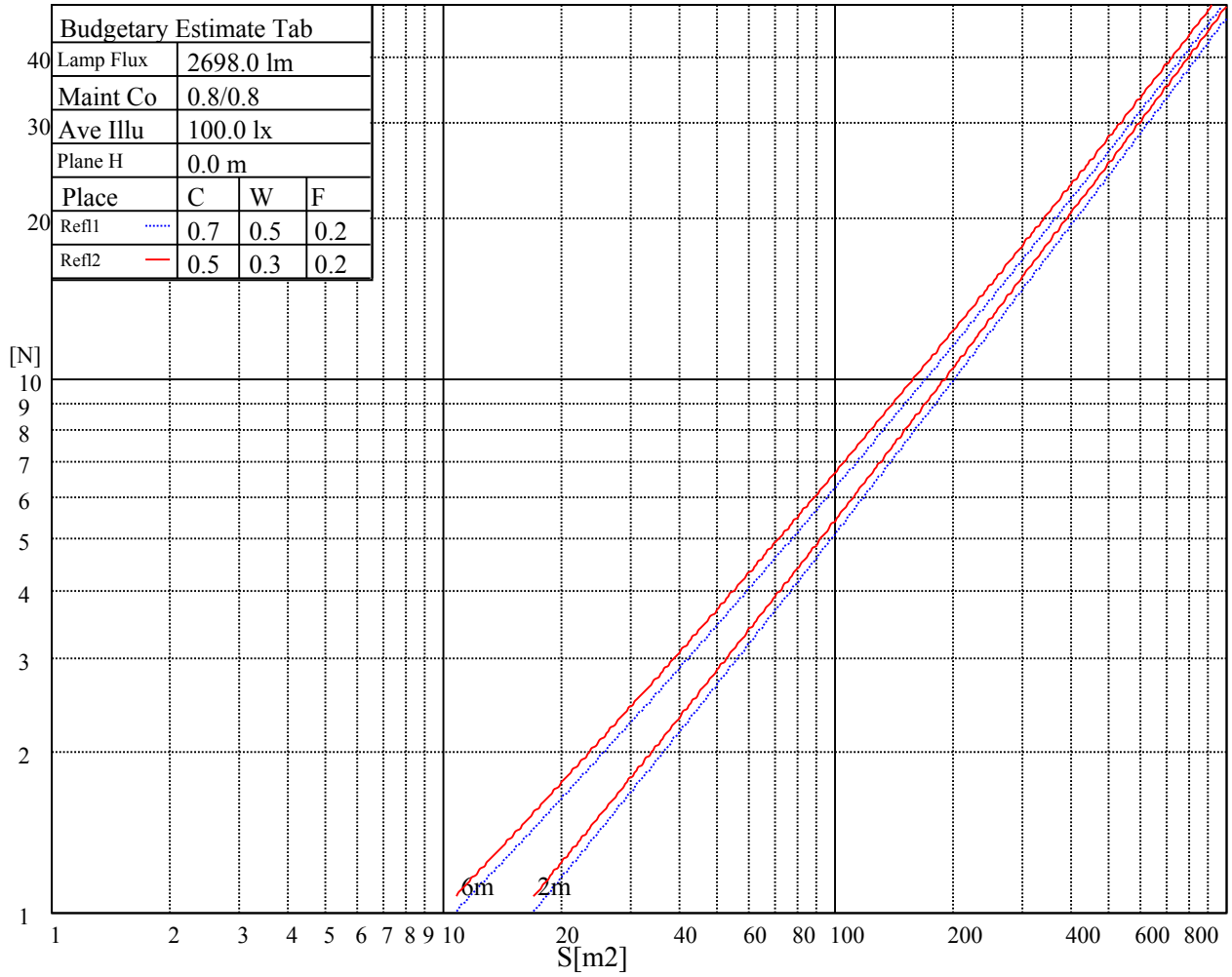
Date: 2024/3/19
Humidity(%): 60.0%

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

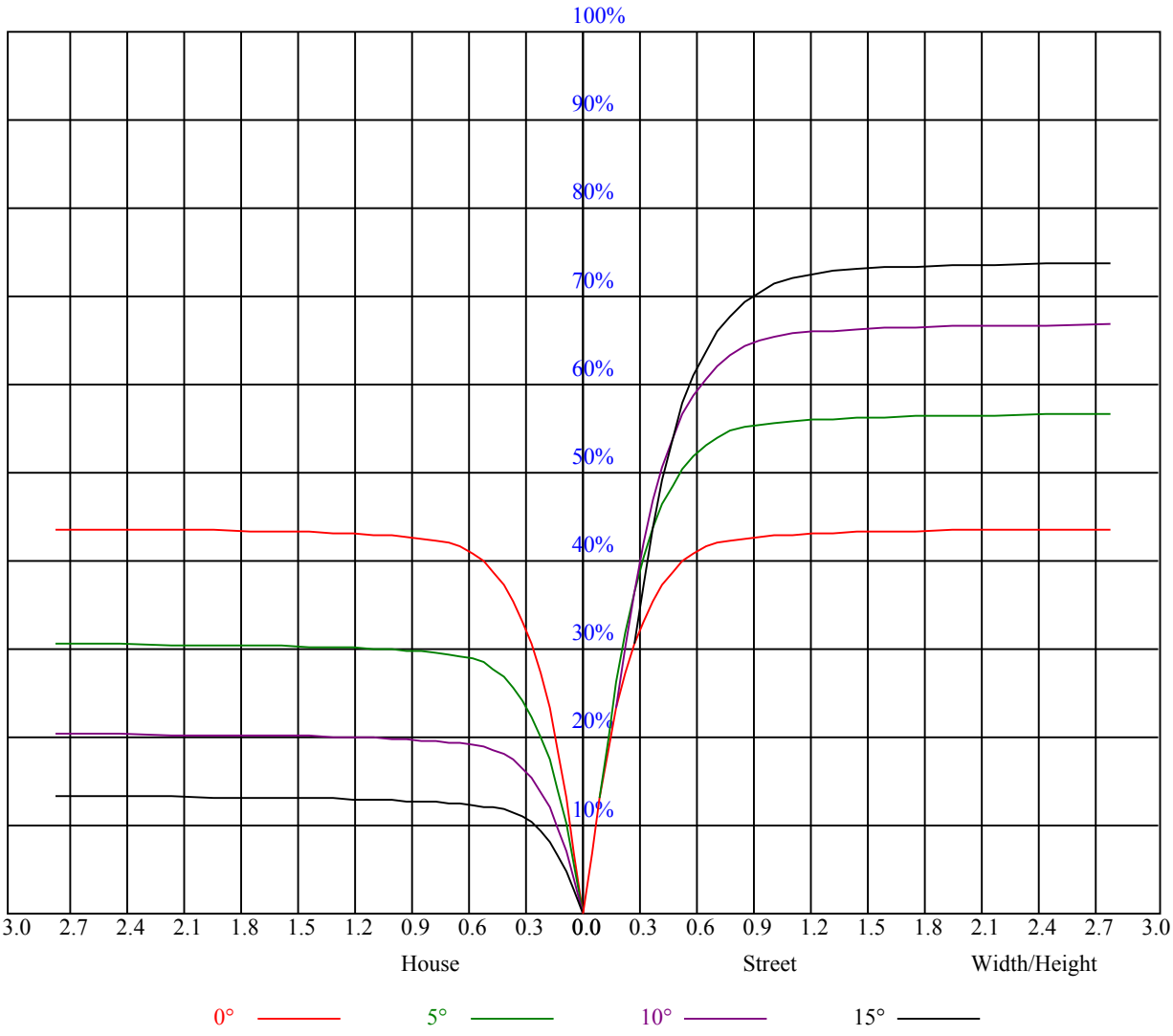


Equipment: GMS1980 Date: 2024/3/19 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

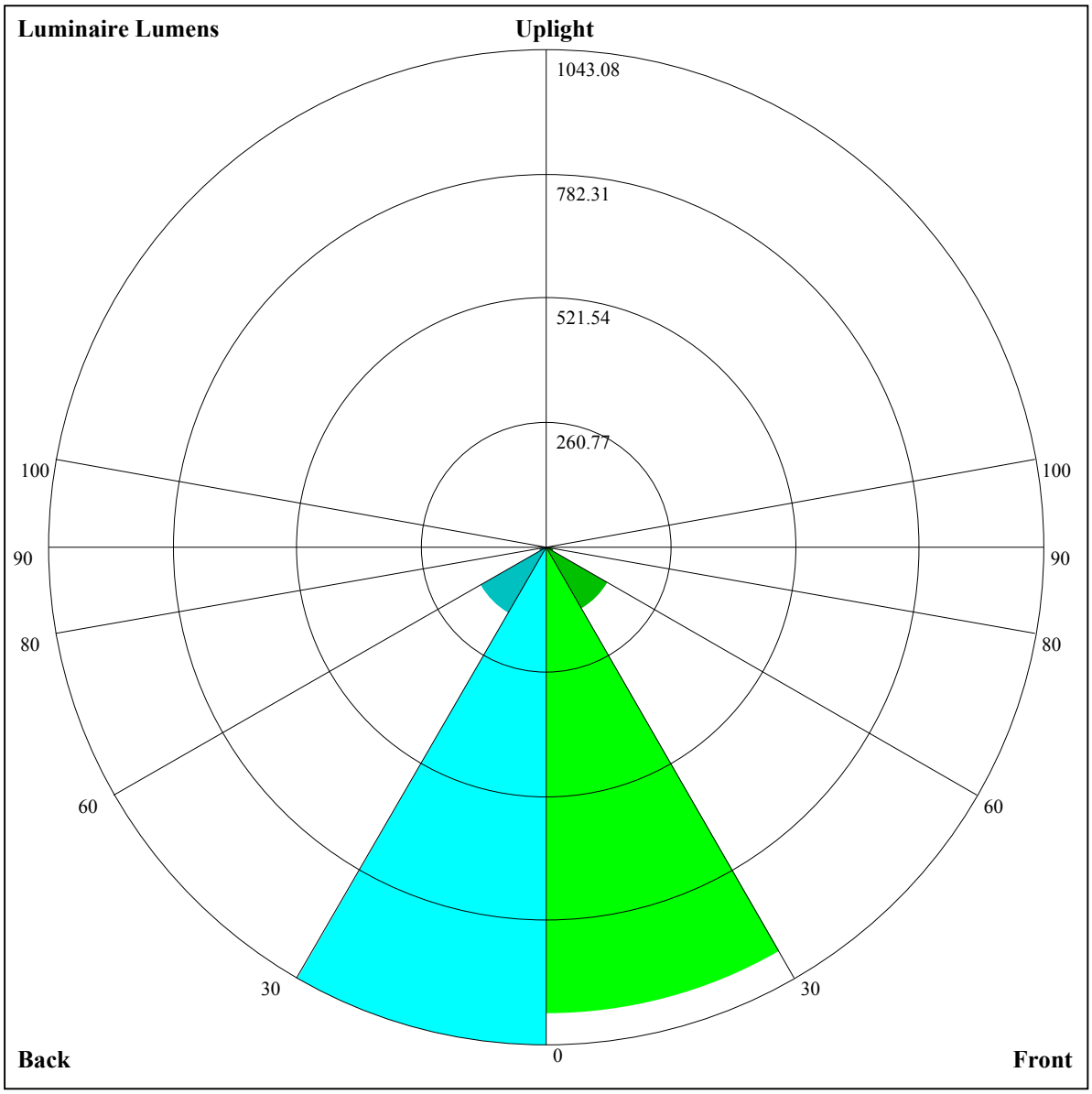
Utilization factor table for indoor luminaire

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	1.05	1.05	1.05	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.88
1	0.98	0.96	0.94	0.96	0.94	0.93	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85	0.83
2	0.93	0.89	0.87	0.91	0.88	0.86	0.88	0.86	0.84	0.86	0.84	0.82	0.83	0.82	0.80	0.79
3	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.80	0.78	0.77	0.75
4	0.83	0.79	0.76	0.82	0.79	0.76	0.81	0.77	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.72
5	0.79	0.75	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
6	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
7	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.67	0.64	0.63
8	0.70	0.66	0.63	0.70	0.65	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61
9	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
10	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/19	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=977.89,FM=150.06,FH=17.09,FVH=5.67
BL=1043.08,BM=161.89,BH=17.56,BVH=5.73
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	9777.41	9309.82	8721.67	8051.00	7109.96	6347.41	5667.38	4930.58	4429.63
45.0	10212.82	9884.51	9422.77	8718.16	8059.19	7127.51	6362.62	5682.01	4951.65
90.0	9670.32	9024.23	8429.05	7567.60	6807.98	6085.81	5293.42	4745.65	4289.17
135.0	9911.43	9460.22	8914.79	8286.84	7418.96	6658.75	5951.80	5181.64	4663.72
180.0	9777.41	10225.11	10384.29	10379.02	10214.58	9797.31	9325.03	8595.84	7936.88
225.0	10212.82	10372.59	10337.47	10148.45	9789.70	9314.50	8603.45	7907.62	7138.63
270.0	9555.61	10049.54	10297.09	10370.25	10249.69	9964.68	9538.64	8994.97	8196.72
315.0	9911.43	10260.22	10373.76	10338.06	10106.89	9610.62	9082.75	8297.38	7565.85
360.0	9777.41	9309.82	8721.67	8051.00	7109.96	6347.41	5667.38	4930.58	4429.63

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4003.58	3547.11	3239.28	2961.88	2650.54	2431.67	2236.20	2051.86	1841.18
45.0	4463.57	4042.21	3670.00	3266.78	2984.12	2733.06	2505.41	2260.78	2082.29
90.0	3894.73	3466.35	3166.13	2896.92	2651.71	2377.24	2185.29	2010.89	1806.65
135.0	4228.89	3759.54	3424.21	3123.40	2793.34	2553.98	2346.23	2112.14	1947.10
180.0	7179.60	6223.93	5536.87	4949.89	4438.40	3927.50	3562.91	3239.28	2956.03
225.0	6342.73	5442.07	4846.89	4245.28	3848.50	3490.34	3110.53	2845.42	2603.14
270.0	7432.42	6631.83	5893.27	5087.42	4550.18	4103.66	3618.50	3291.95	2938.47
315.0	6765.84	5846.46	5202.12	4656.69	4191.44	3706.29	3373.30	3077.76	2819.09
360.0	4003.58	3547.11	3239.28	2961.88	2650.54	2431.67	2236.20	2051.86	1841.18

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1687.85	1552.08	1427.42	1164.07	1164.07	1106.13	1024.03	967.79	904.93
45.0	1916.09	1722.38	1583.68	1456.68	1310.96	1207.96	1106.13	1038.25	977.97
90.0	1659.76	1493.55	1288.72	1160.50	1160.50	1067.16	1004.48	943.44	854.78
135.0	1789.68	1645.71	1479.51	1360.71	1251.85	1158.80	1065.17	1000.79	917.69
180.0	2643.52	2427.57	2225.67	1997.43	1834.74	1682.58	1504.67	1392.89	1248.93
225.0	2386.02	2139.06	1958.81	1796.11	1646.88	1484.19	1293.99	1167.29	1167.29
270.0	2691.51	2468.54	2262.54	2027.86	1866.93	1713.01	1566.12	1424.50	1305.11
315.0	2528.23	2321.06	2129.11	1908.48	1753.98	1614.11	1460.78	1272.92	1149.97
360.0	1687.85	1552.08	1427.42	1164.07	1164.07	1106.13	1024.03	967.79	904.93

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	812.53	730.07	646.73	545.08	465.61	390.35	300.51	233.86	173.29
45.0	911.25	813.52	731.59	649.66	567.14	464.73	385.72	310.23	310.23
90.0	778.35	694.25	610.86	508.09	425.05	350.96	280.50	200.38	146.89
135.0	837.52	757.34	652.00	568.90	484.62	405.62	310.23	310.23	227.89
180.0	1152.95	1078.04	1008.40	937.59	867.95	785.43	702.91	594.06	515.06
225.0	1067.22	1001.20	929.57	866.19	788.59	688.87	606.59	524.65	424.99
270.0	1209.13	1102.62	1028.88	971.53	895.45	819.96	719.89	638.54	554.85
315.0	1129.89	1059.67	997.69	940.22	851.79	773.90	692.32	611.21	508.38
360.0	812.53	730.07	646.73	545.08	465.61	390.35	300.51	233.86	173.29

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	123.83	84.16	70.11	65.31	61.10	56.59	53.08	50.04	48.05
45.0	161.64	113.36	77.48	66.89	63.03	59.17	55.13	52.79	50.80
90.0	107.33	78.89	70.70	64.90	61.33	57.76	54.60	51.44	49.39
135.0	128.22	85.44	71.10	66.19	61.74	57.82	55.36	52.44	50.21
180.0	438.39	364.65	297.94	297.94	142.27	100.19	74.91	64.90	60.92
225.0	351.19	280.32	217.12	161.87	106.04	77.48	63.97	57.88	54.48
270.0	477.60	381.04	304.96	304.96	222.39	116.64	85.15	69.76	65.02
315.0	429.09	352.07	282.61	202.96	149.88	97.38	74.62	66.83	61.80
360.0	123.83	84.16	70.11	65.31	61.10	56.59	53.08	50.04	48.05

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	46.06	44.13	42.90	41.55	41.02	40.67	40.20	39.68	39.74
45.0	48.81	46.64	45.24	44.36	43.25	42.55	42.08	41.43	41.32
90.0	47.40	45.76	44.01	42.49	42.14	41.61	41.14	40.67	40.44
135.0	47.34	45.59	44.54	43.48	42.43	41.43	40.73	40.79	40.97
180.0	57.94	54.66	51.38	49.10	47.46	46.06	44.01	42.55	41.14
225.0	50.91	48.75	47.11	44.83	42.96	41.90	41.08	39.97	39.39
270.0	60.63	57.35	53.72	51.03	48.92	46.58	45.35	44.18	42.72
315.0	58.70	53.78	51.15	49.33	47.34	45.71	44.48	43.37	42.19
360.0	46.06	44.13	42.90	41.55	41.02	40.67	40.20	39.68	39.74

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	39.15	38.33	36.64	33.59	30.78	28.38	25.63	22.53	20.01
45.0	41.43	40.56	39.68	38.22	34.82	31.66	29.55	27.27	23.17
90.0	39.97	38.68	36.11	33.18	30.31	28.03	24.93	21.71	19.31
135.0	40.09	39.27	37.98	35.23	32.19	29.32	26.51	23.41	20.13
180.0	40.97	40.56	39.97	39.50	39.33	38.74	37.34	35.64	33.07
225.0	39.03	38.62	38.45	38.27	37.75	36.46	34.76	32.48	29.32
270.0	42.02	41.73	41.14	40.61	40.61	39.91	39.09	37.45	34.65
315.0	41.73	41.02	40.61	40.44	40.09	39.27	37.34	35.23	32.36
360.0	39.15	38.33	36.64	33.59	30.78	28.38	25.63	22.53	20.01

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.73	16.50	15.74	15.22	14.63	14.22	13.87	13.58	13.28
45.0	20.66	18.61	17.15	16.09	15.51	15.04	14.51	14.16	13.75
90.0	17.62	16.15	15.51	14.92	14.46	14.10	13.69	13.40	13.17
135.0	18.02	16.62	15.80	15.16	14.69	14.28	13.99	13.58	13.34
180.0	30.31	27.56	24.93	21.65	18.90	17.26	16.04	15.45	14.86
225.0	27.04	24.46	21.01	18.67	16.91	15.68	14.92	14.46	14.10
270.0	31.78	28.73	26.34	23.06	19.78	17.91	16.44	15.68	15.04
315.0	29.61	26.92	24.05	20.78	18.67	16.74	15.86	15.27	14.69
360.0	17.73	16.50	15.74	15.22	14.63	14.22	13.87	13.58	13.28

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.99	12.76	12.52	12.35	12.00	11.76	11.47	11.12	10.89
45.0	13.46	13.28	12.93	12.70	12.47	12.23	11.88	11.59	11.24
90.0	12.87	12.64	12.47	12.23	11.94	11.65	11.41	11.12	10.77
135.0	13.11	12.82	12.64	12.41	12.11	11.88	11.65	11.29	11.00
180.0	14.51	14.10	13.81	13.52	13.23	12.99	12.76	12.58	12.29
225.0	13.81	13.46	13.23	12.93	12.70	12.47	12.29	12.06	11.82
270.0	14.63	14.28	13.93	13.58	13.28	13.05	12.82	12.58	12.41
315.0	14.34	13.99	13.64	13.34	13.11	12.82	12.64	12.47	12.23
360.0	12.99	12.76	12.52	12.35	12.00	11.76	11.47	11.12	10.89

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.65	10.36	10.18	10.01	9.95	9.71	9.54	9.54	9.48
45.0	10.94	10.65	10.42	10.24	10.01	9.83	9.71	9.54	9.54
90.0	10.53	10.30	10.12	9.95	9.77	9.66	9.48	9.48	9.54
135.0	10.71	10.48	10.24	10.07	9.89	9.71	9.54	9.48	9.48
180.0	12.00	11.70	11.41	11.12	10.83	10.59	10.36	10.12	9.95
225.0	11.53	11.35	11.06	10.83	10.53	10.42	10.18	9.95	9.83
270.0	12.11	11.88	11.53	11.29	11.00	10.71	10.48	10.24	10.01
315.0	11.94	11.59	11.41	11.06	10.83	10.53	10.30	10.07	9.95
360.0	10.65	10.36	10.18	10.01	9.95	9.71	9.54	9.54	9.48

Intensity data(cd)

C/γ(°)	90.0
0.0	9.48
45.0	9.54
90.0	9.48
135.0	9.48
180.0	9.77
225.0	9.77
270.0	9.83
315.0	9.83
360.0	9.48