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NT

Client:
LumCAT: 2-2684-L
Luminaire: 92.70.412.00
Report No: 2024308-B023
Ballast type: AC

Test No: 2024308-C023	Voltage(V): 34.640
LampCAT: BRIDGELUX V13B LES13	Current(A): 0.450
Lamp flux(lm): 2653.0	Power (W): 15.588
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2264.97, Efficiency(%): 85.37% , Luminous Efficacy(lm/W): 145.30
Central intensity(cd): 5103.952, Maximum intensity(cd): 5103.952
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.0
[C90/270]Total=36.0
Field angle(10%Imax): [C0/180]Total=66.0
[C90/270]Total=66.0
Maximum s/h(1/2): C0_180=0.58 C90_270=0.58
Maximum s/h(1/4): C0_180=0.59 C90_270=0.59
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.37%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.065%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5103.952	0.000	0	0.00%	0.00%
1.0	5093.418	4.879	4.879	0.18%	0.22%
2.0	5060.645	14.574	19.453	0.55%	0.86%
3.0	5010.609	24.087	43.54	0.91%	1.92%
4.0	4937.529	33.300	76.84	1.26%	3.39%
5.0	4851.281	42.111	118.951	1.59%	5.25%
6.0	4740.015	50.405	169.356	1.90%	7.48%
7.0	4621.434	58.106	227.462	2.19%	10.04%
8.0	4475.640	65.106	292.568	2.45%	12.92%
9.0	4306.217	71.172	363.74	2.68%	16.06%
10.0	4135.844	76.398	440.138	2.88%	19.43%
11.0	3937.233	80.667	520.805	3.04%	22.99%
12.0	3747.035	84.000	604.805	3.17%	26.70%
13.0	3539.865	86.477	691.282	3.26%	30.52%
14.0	3339.938	88.061	779.343	3.32%	34.41%
15.0	3144.180	89.017	868.359	3.36%	38.34%
16.0	2939.205	89.139	957.498	3.36%	42.27%
17.0	2737.668	88.404	1045.902	3.33%	46.18%
18.0	2548.421	87.156	1133.058	3.29%	50.03%
19.0	2349.664	85.217	1218.275	3.21%	53.79%
20.0	2157.344	82.491	1300.766	3.11%	57.43%
21.0	1960.197	79.065	1379.831	2.98%	60.92%
22.0	1795.968	75.482	1455.313	2.85%	64.25%
23.0	1588.966	71.025	1526.338	2.68%	67.39%
24.0	1456.720	66.590	1592.927	2.51%	70.33%
25.0	1316.047	63.047	1655.974	2.38%	73.11%
26.0	1196.200	59.302	1715.276	2.24%	75.73%
27.0	1118.621	56.633	1771.908	2.13%	78.23%
28.0	1015.000	54.019	1825.927	2.04%	80.62%
29.0	921.100	50.654	1876.581	1.91%	82.85%
30.0	809.695	46.731	1923.312	1.76%	84.92%
31.0	710.734	42.311	1965.624	1.59%	86.78%
32.0	605.430	37.707	2003.33	1.42%	88.45%
33.0	511.882	32.916	2036.246	1.24%	89.90%
34.0	422.401	28.274	2064.521	1.07%	91.15%
35.0	341.398	23.721	2088.241	0.89%	92.20%
36.0	283.768	19.905	2108.147	0.75%	93.08%
37.0	214.200	16.241	2124.388	0.61%	93.79%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	162.290	12.567	2136.954	0.47%	94.35%
39.0	120.615	9.656	2146.611	0.36%	94.77%
40.0	83.087	7.104	2153.715	0.27%	95.09%
41.0	68.786	5.408	2159.123	0.20%	95.33%
42.0	61.785	4.744	2163.867	0.18%	95.54%
43.0	57.440	4.416	2168.284	0.17%	95.73%
44.0	53.307	4.180	2172.464	0.16%	95.92%
45.0	49.942	3.968	2176.432	0.15%	96.09%
46.0	47.323	3.804	2180.235	0.14%	96.26%
47.0	44.784	3.663	2183.899	0.14%	96.42%
48.0	42.612	3.533	2187.432	0.13%	96.58%
49.0	40.461	3.411	2190.843	0.13%	96.73%
50.0	38.559	3.295	2194.138	0.12%	96.87%
51.0	36.628	3.181	2197.319	0.12%	97.01%
52.0	34.836	3.067	2200.385	0.12%	97.15%
53.0	33.175	2.958	2203.344	0.11%	97.28%
54.0	31.449	2.848	2206.192	0.11%	97.40%
55.0	29.971	2.742	2208.934	0.10%	97.53%
56.0	28.449	2.640	2211.574	0.10%	97.64%
57.0	27.125	2.541	2214.115	0.10%	97.75%
58.0	25.677	2.442	2216.556	0.09%	97.86%
59.0	24.462	2.344	2218.9	0.09%	97.97%
60.0	23.248	2.254	2221.154	0.08%	98.07%
61.0	22.173	2.168	2223.322	0.08%	98.16%
62.0	21.178	2.089	2225.411	0.08%	98.25%
63.0	20.205	2.013	2227.423	0.08%	98.34%
64.0	19.364	1.942	2229.365	0.07%	98.43%
65.0	18.544	1.876	2231.241	0.07%	98.51%
66.0	17.827	1.815	2233.056	0.07%	98.59%
67.0	17.074	1.755	2234.811	0.07%	98.67%
68.0	16.467	1.699	2236.51	0.06%	98.74%
69.0	15.852	1.649	2238.159	0.06%	98.82%
70.0	15.282	1.599	2239.758	0.06%	98.89%
71.0	14.777	1.554	2241.311	0.06%	98.96%
72.0	14.294	1.512	2242.823	0.06%	99.02%
73.0	13.833	1.471	2244.294	0.06%	99.09%
74.0	13.467	1.435	2245.729	0.05%	99.15%
75.0	13.087	1.403	2247.132	0.05%	99.21%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.758	1.372	2248.504	0.05%	99.27%
77.0	12.436	1.343	2249.847	0.05%	99.33%
78.0	12.143	1.316	2251.163	0.05%	99.39%
79.0	11.851	1.289	2252.452	0.05%	99.45%
80.0	11.573	1.263	2253.715	0.05%	99.50%
81.0	11.288	1.236	2254.951	0.05%	99.56%
82.0	10.973	1.207	2256.158	0.05%	99.61%
83.0	10.702	1.178	2257.337	0.04%	99.66%
84.0	10.432	1.151	2258.488	0.04%	99.71%
85.0	10.190	1.126	2259.613	0.04%	99.76%
86.0	9.985	1.103	2260.716	0.04%	99.81%
87.0	9.810	1.083	2261.8	0.04%	99.86%
88.0	9.671	1.067	2262.867	0.04%	99.91%
89.0	9.612	1.057	2263.924	0.04%	99.95%
90.0	9.546	1.050	2264.974	0.04%	100.00%

Zonal flux distribution table

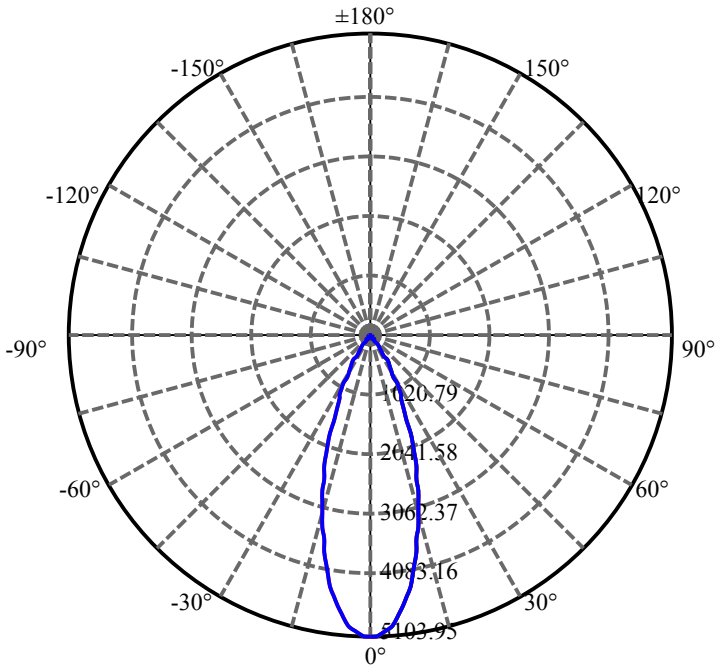
ZONAL LUMEN SUMMARY

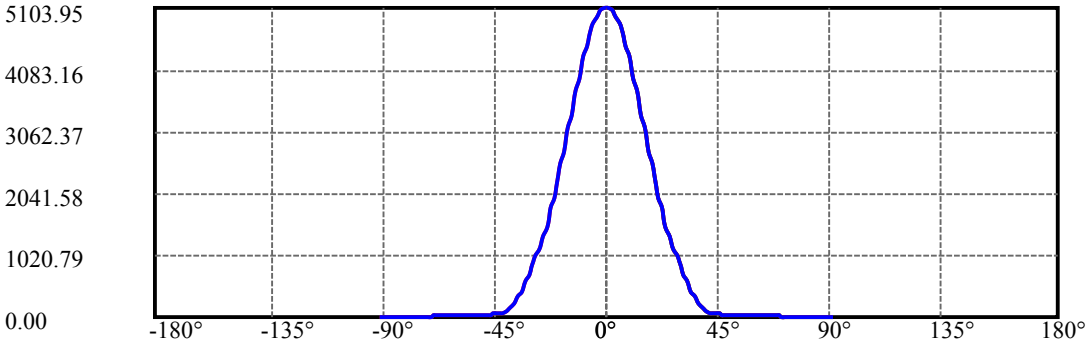
Zone	Lumens	%Lamp	%Fixt
0-30	1923.31	72.50%	84.92%
0-40	2153.72	81.18%	95.09%
0-60	2221.15	83.72%	98.07%
0-90	2263.92	85.33%	99.95%
0-120	2263.92	85.33%	99.95%
0-180	2264.97	85.37%	100.00%
60-90	42.77	1.61%	1.89%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.74	1811.98	68.30%	80.00%

ZONAL LUMEN SUMMARY

0-10	440.14
10-20	860.63
20-30	622.55
30-40	230.40
40-50	40.42
50-60	27.02
60-70	18.60
70-80	13.96
80-90	10.21
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):

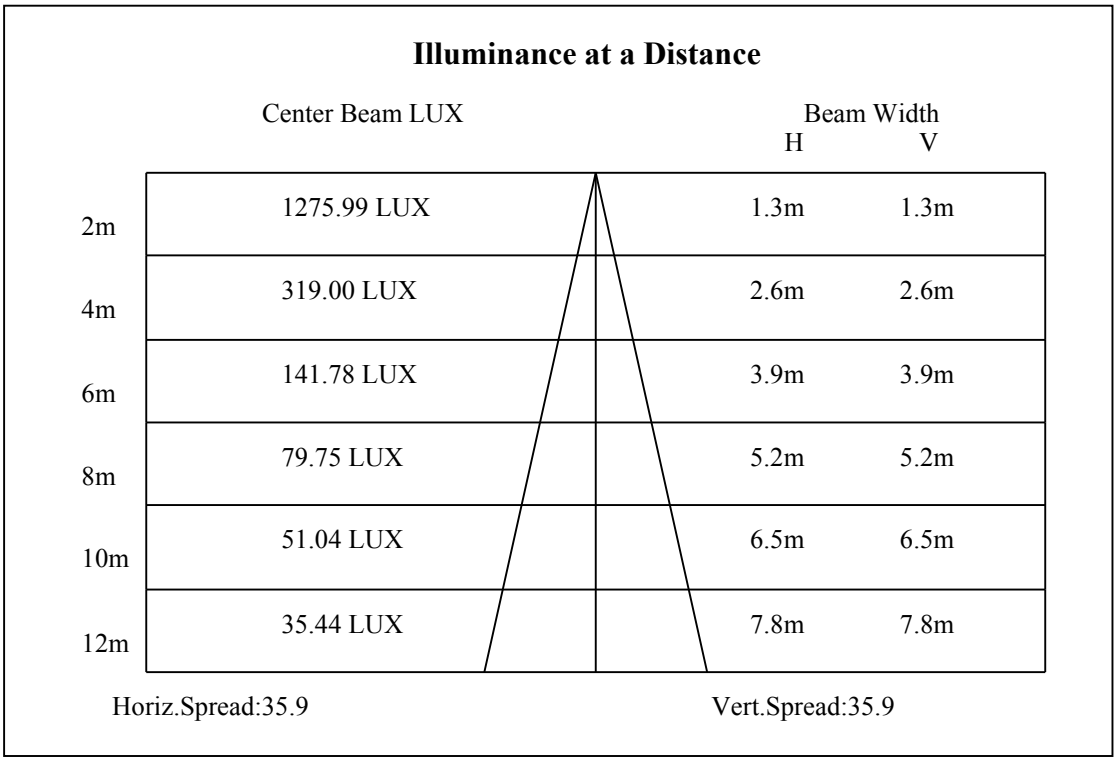
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:33.0 Right:33.0
:C90/270Left:33.0 Right:33.0

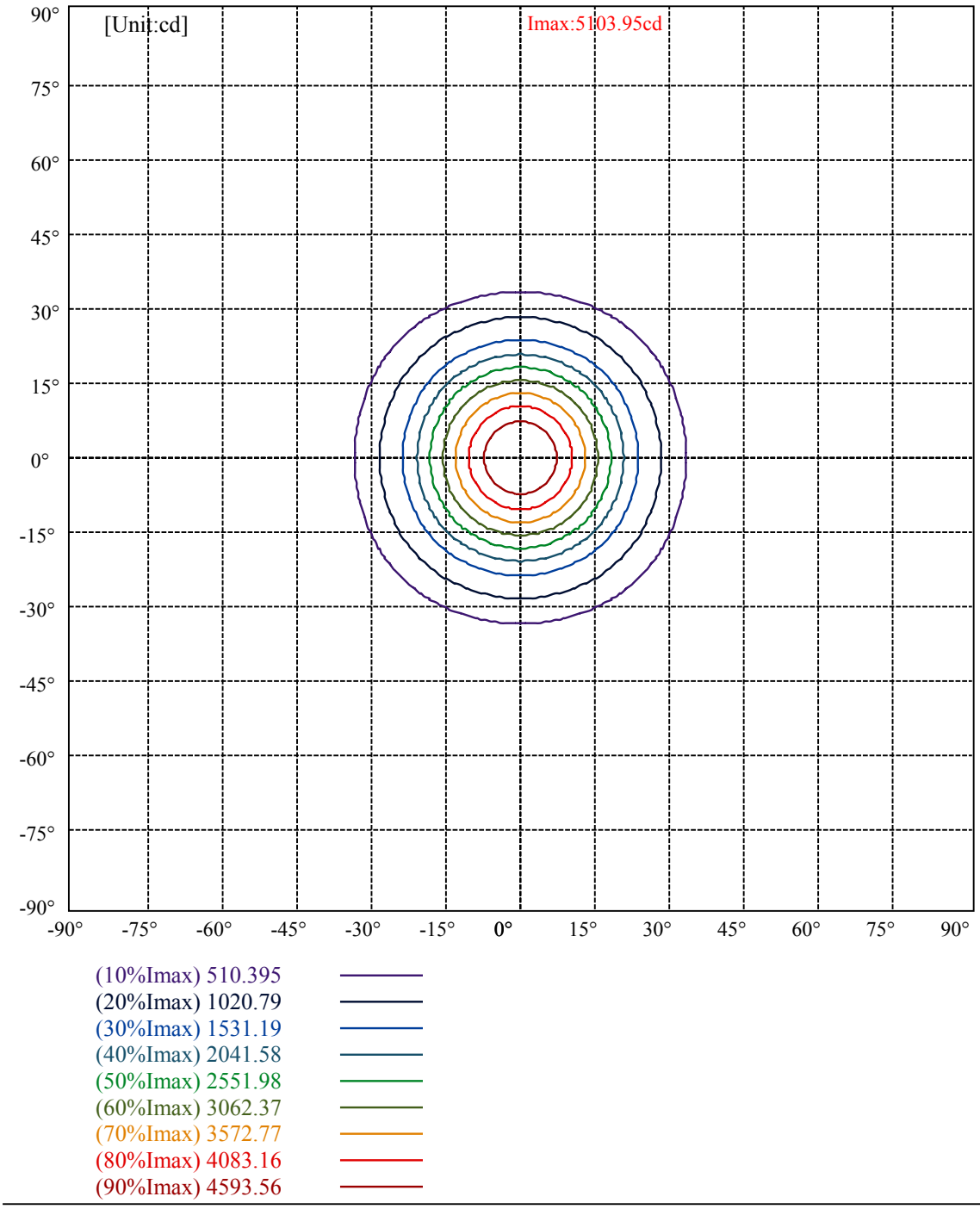
Beam Angle(50%Imax):C0/180Left:18.0 Right:18.0
:C90/270Left:18.0 Right:18.0

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/8 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

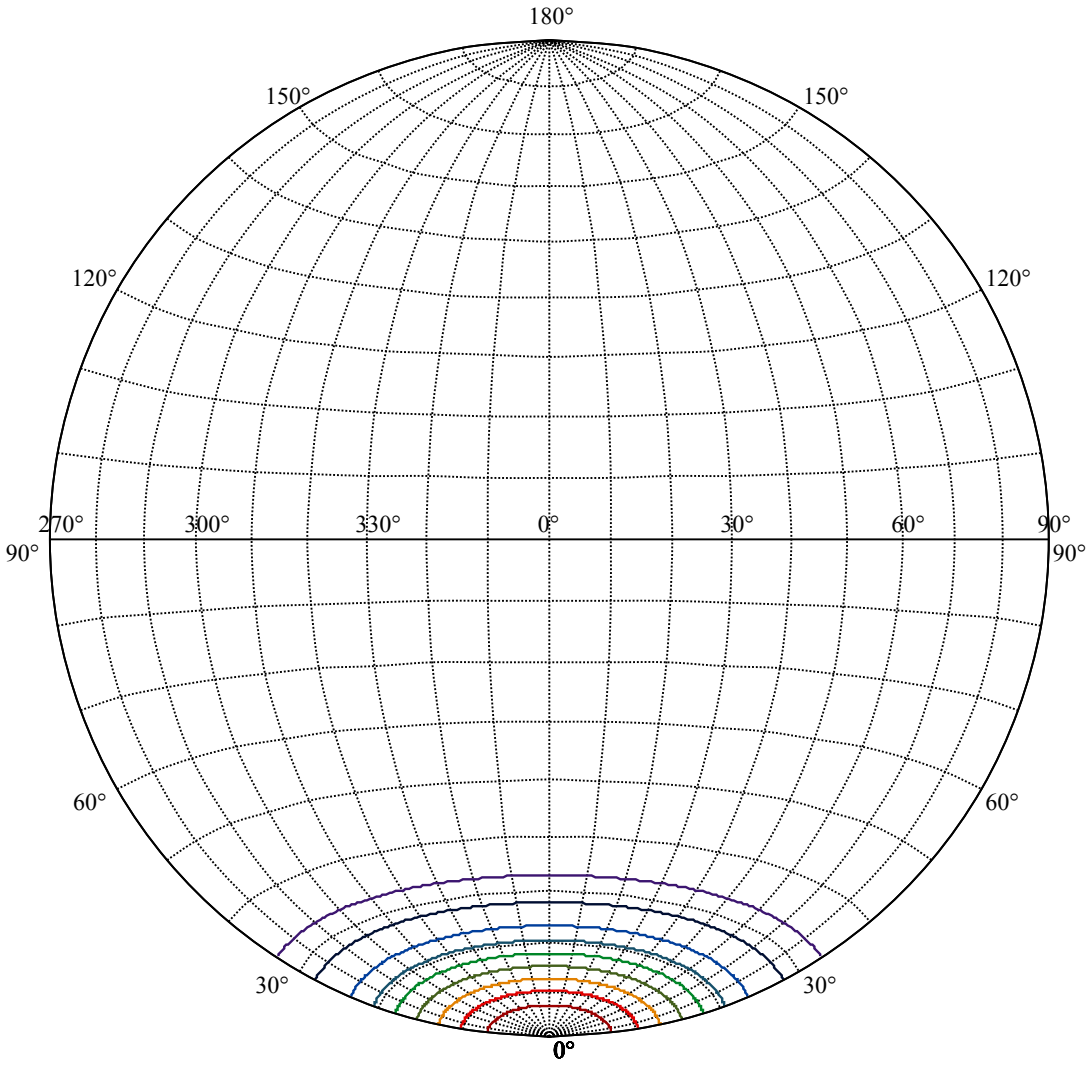


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/8
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



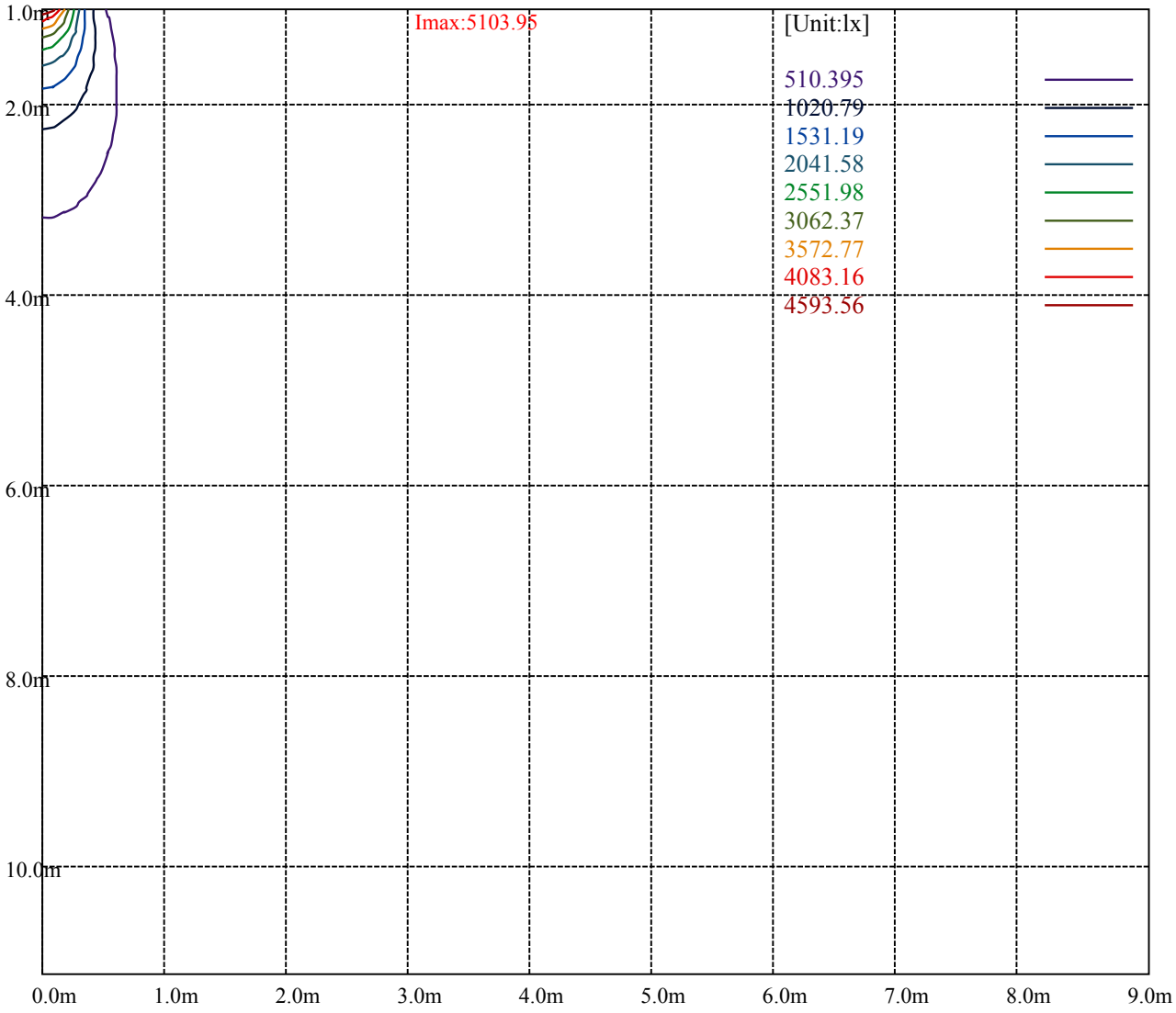
House [Unit:cd] Road

Imax:5103.95

(10%Imax) 510.395
(20%Imax) 1020.79
(30%Imax) 1531.19
(40%Imax) 2041.58
(50%Imax) 2551.98
(60%Imax) 3062.37
(70%Imax) 3572.77
(80%Imax) 4083.16
(90%Imax) 4593.56

Equipment: GMS1980 Date: 2024/3/8 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980 Date: 2024/3/8 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

NT 2-2684-L

Luminance Limitting Curve(no luminous side)

Luminance Table

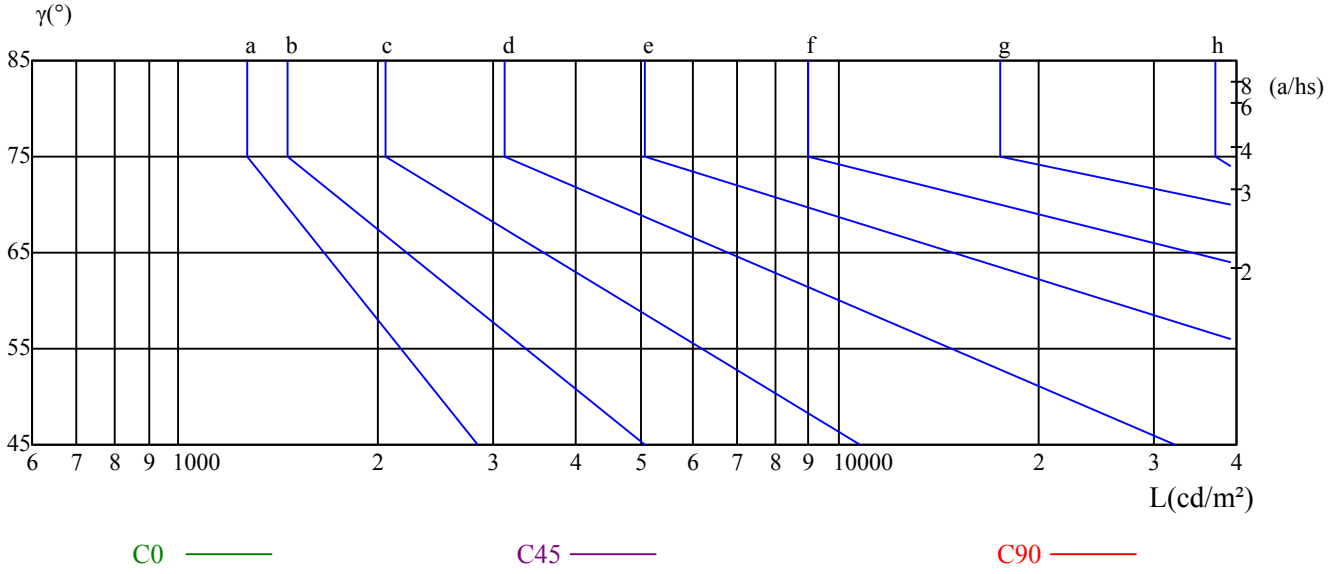
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

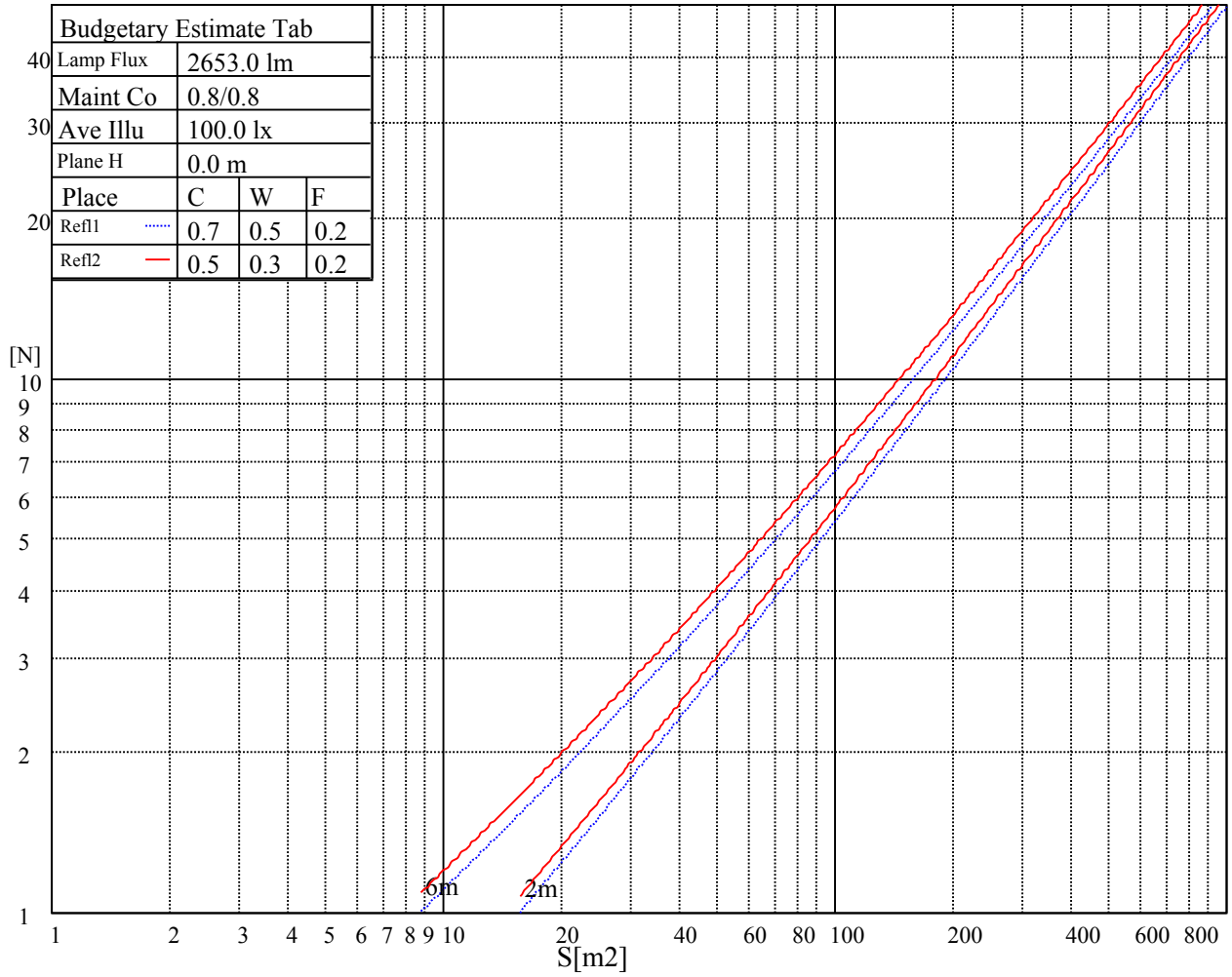
Date: 2024/3/8
Humidity(%): 60.0%

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 X Y	Viewed crosswise					Viewed endwise				
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
2H 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
2H 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
2H 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
2H 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
2H 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
4H 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 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
4H 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
4H 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
4H 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
8H 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 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
8H 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
12H 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
12H 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

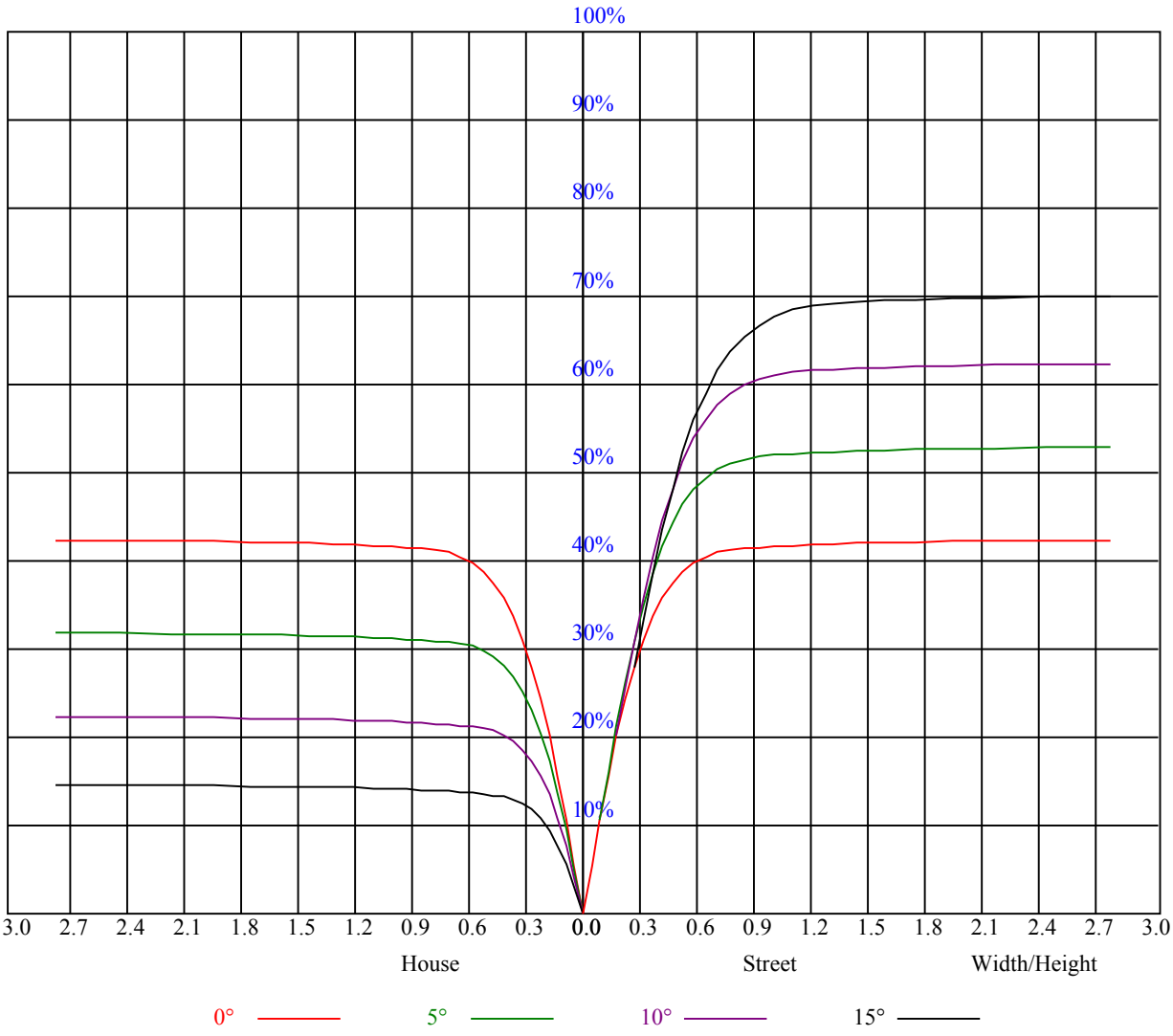


Equipment: GMS1980 Date: 2024/3/8 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

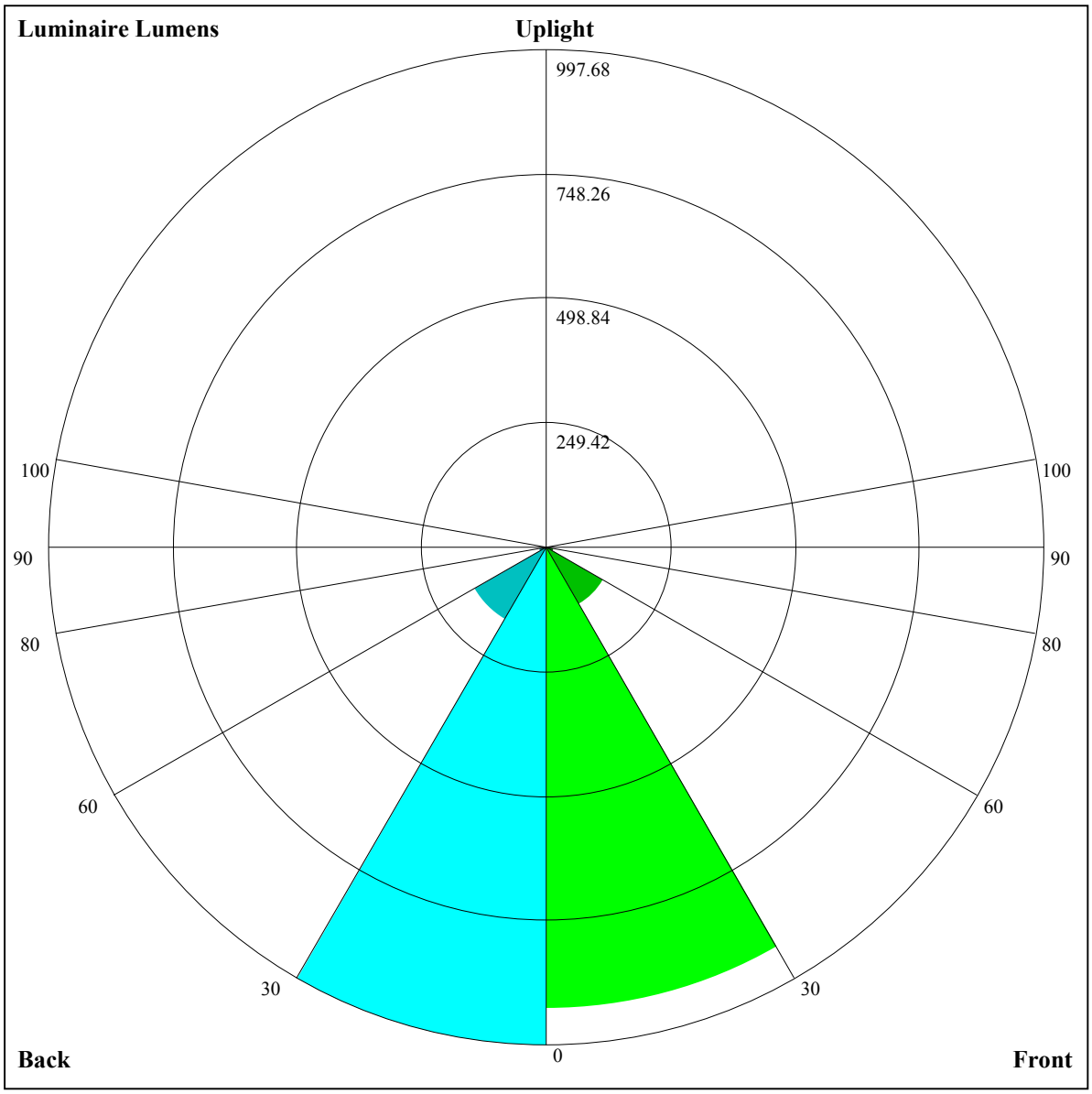
Utilization factor table for indoor luminaire

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

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/8	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=924.97,FM=133.59,FH=15.97,FVH=5.59
BL=997.68,BM=166.07,BH=16.64,BVH=5.68
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	5073.96	5017.19	4948.14	4867.37	4767.89	4624.51	4492.25	4341.26	4136.43
45.0	5119.02	5095.03	5038.85	4973.30	4876.15	4783.10	4669.57	4539.65	4354.72
90.0	5099.71	5048.21	4990.27	4918.87	4813.53	4706.44	4544.92	4398.02	4237.67
135.0	5123.12	5110.83	5079.81	5018.95	4949.31	4866.20	4768.47	4622.17	4488.15
180.0	5073.96	5115.51	5125.46	5116.10	5081.57	5027.73	4942.87	4866.20	4764.96
225.0	5119.02	5122.53	5100.88	5057.57	4997.88	4929.41	4822.31	4723.41	4604.61
270.0	5099.71	5121.36	5121.95	5102.05	5049.38	4987.35	4915.36	4830.51	4697.07
315.0	5123.12	5116.68	5079.81	5030.65	4964.52	4885.52	4764.38	4650.26	4521.51
360.0	5073.96	5017.19	4948.14	4867.37	4767.89	4624.51	4492.25	4341.26	4136.43

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3956.76	3764.81	3527.21	3333.50	3094.14	2911.55	2728.96	2545.20	2359.69
45.0	4190.27	4014.70	3781.20	3592.75	3397.87	3208.85	3022.75	2793.34	2565.68
90.0	4014.70	3825.09	3626.70	3435.33	3195.39	3008.70	2824.94	2645.28	2419.96
135.0	4296.20	4129.99	3948.57	3706.87	3513.16	3314.77	3120.48	2887.56	2700.87
180.0	4618.65	4481.13	4327.80	4160.42	3980.17	3753.69	3555.89	3361.01	3172.56
225.0	4469.42	4273.37	4106.58	3933.94	3701.02	3508.48	3317.70	3080.10	2895.75
270.0	4573.59	4436.06	4239.43	4063.86	3878.93	3644.84	3448.20	3254.49	3024.50
315.0	4330.14	4161.59	3940.38	3749.60	3558.23	3368.61	3134.52	2946.67	2762.32
360.0	3956.76	3764.81	3527.21	3333.50	3094.14	2911.55	2728.96	2545.20	2359.69

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2131.45	1956.47	1789.09	1592.46	1447.91	1164.83	1164.83	1100.34	1011.80
45.0	2431.08	2205.19	2026.69	1812.50	1651.56	1504.67	1340.22	1231.37	1138.32
90.0	2239.71	2064.15	1890.34	1683.17	1534.52	1288.14	1157.75	1157.75	1047.44
135.0	2518.87	2339.20	2119.74	1947.10	1784.41	1593.04	1458.44	1337.88	1212.06
180.0	2939.06	2760.56	2520.62	2326.91	2150.18	1933.64	1764.51	1577.83	1448.49
225.0	2704.97	2467.95	2285.36	2105.70	1928.37	1724.13	1574.31	1442.64	1156.76
270.0	2843.67	2660.49	2466.20	2230.35	2056.54	1883.31	1714.18	1525.74	1399.92
315.0	2578.56	2343.30	2160.71	1983.39	1814.26	1619.96	1479.51	1154.82	1154.82
360.0	2131.45	1956.47	1789.09	1592.46	1447.91	1164.83	1164.83	1100.34	1011.80

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	910.43	784.49	687.05	569.54	479.83	395.09	297.70	229.76	171.35
45.0	1050.54	925.30	829.91	726.91	633.86	519.15	432.54	352.36	297.94
90.0	948.12	853.61	750.90	632.57	541.51	453.55	373.90	281.73	217.47
135.0	1123.69	1011.91	911.25	811.77	715.20	596.40	508.62	423.18	343.59
180.0	1336.13	1233.71	1146.51	1039.42	946.37	842.78	747.98	626.83	533.78
225.0	1156.76	1116.08	1034.44	909.62	809.89	684.89	588.33	497.15	393.45
270.0	1289.89	1167.58	1083.31	969.19	870.87	761.44	649.07	557.19	459.46
315.0	1133.41	1027.30	925.42	818.55	688.34	590.14	496.91	411.00	314.15
360.0	910.43	784.49	687.05	569.54	479.83	395.09	297.70	229.76	171.35

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	120.91	78.83	67.24	62.38	57.94	53.67	50.68	48.22	45.41
45.0	297.94	139.52	89.13	70.34	64.67	58.93	55.25	51.97	49.39
90.0	157.54	103.00	78.24	69.06	63.97	59.46	55.19	51.50	48.87
135.0	307.30	307.30	128.81	86.15	73.21	67.71	61.51	57.41	53.31
180.0	446.59	346.51	309.64	309.64	132.20	93.69	75.32	67.59	62.27
225.0	316.31	245.62	185.46	123.25	87.49	73.21	68.30	63.61	57.47
270.0	378.70	307.30	307.30	158.89	115.93	79.59	69.64	64.26	58.58
315.0	244.86	185.52	132.49	85.21	69.29	64.02	58.41	54.95	51.15
360.0	120.91	78.83	67.24	62.38	57.94	53.67	50.68	48.22	45.41

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	43.31	40.97	39.21	37.40	35.76	34.29	32.48	31.02	29.61
45.0	46.47	44.30	42.31	40.38	38.10	36.28	34.70	32.89	31.31
90.0	46.47	44.30	41.79	39.85	37.98	36.28	34.24	32.71	31.19
135.0	49.86	47.40	45.12	43.07	40.44	38.51	36.69	35.17	33.07
180.0	57.88	53.78	50.33	47.75	45.47	43.37	40.79	38.80	36.99
225.0	52.44	49.92	46.94	44.77	42.31	40.44	38.51	36.34	34.76
270.0	54.48	51.56	48.34	45.88	43.72	41.20	39.21	37.40	35.64
315.0	48.63	46.35	44.24	41.79	39.91	38.10	36.40	34.35	32.83
360.0	43.31	40.97	39.21	37.40	35.76	34.29	32.48	31.02	29.61

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.03	26.74	25.46	24.40	23.00	22.00	20.89	20.01	19.20
45.0	29.67	28.38	27.10	25.87	24.40	23.29	22.18	21.07	20.19
90.0	29.38	28.03	26.39	25.16	23.99	22.94	21.77	20.83	19.96
135.0	31.66	30.20	28.44	27.15	25.57	24.40	23.17	22.12	21.07
180.0	34.82	33.24	31.66	29.85	28.50	26.80	25.52	24.40	23.29
225.0	33.12	31.60	29.79	28.44	27.10	25.81	24.35	23.23	22.24
270.0	33.59	32.01	30.55	29.14	27.45	26.16	24.99	23.82	22.47
315.0	31.31	29.55	28.21	26.98	25.40	24.29	23.12	21.89	21.01
360.0	28.03	26.74	25.46	24.40	23.00	22.00	20.89	20.01	19.20

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.38	17.73	17.03	16.44	15.80	15.27	14.69	14.34	13.87
45.0	19.43	18.67	17.85	17.15	16.50	15.86	15.33	14.75	14.28
90.0	19.14	18.32	17.62	16.91	16.21	15.68	15.16	14.51	14.16
135.0	20.19	19.31	18.61	17.79	17.03	16.44	15.92	15.27	14.75
180.0	21.95	21.07	20.13	19.25	18.38	17.79	16.97	16.21	15.74
225.0	21.13	20.13	19.14	18.49	17.73	17.03	16.33	15.80	15.22
270.0	21.30	20.42	19.61	18.84	17.97	17.26	16.62	16.09	15.45
315.0	20.13	19.25	18.38	17.73	16.97	16.39	15.80	15.27	14.75
360.0	18.38	17.73	17.03	16.44	15.80	15.27	14.69	14.34	13.87

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.46	13.11	12.82	12.52	12.23	12.00	11.70	11.35	11.12
45.0	13.93	13.40	13.05	12.76	12.52	12.29	11.94	11.76	11.53
90.0	13.64	13.28	12.99	12.70	12.35	12.11	11.88	11.59	11.24
135.0	14.22	13.81	13.46	12.93	12.70	12.41	12.06	11.82	11.53
180.0	15.22	14.51	14.16	13.81	13.28	12.93	12.64	12.35	12.00
225.0	14.75	14.22	13.81	13.34	13.05	12.64	12.35	11.94	11.76
270.0	14.92	14.46	14.10	13.58	13.17	12.76	12.52	12.17	11.82
315.0	14.22	13.87	13.34	13.05	12.76	12.35	12.06	11.82	11.59
360.0	13.46	13.11	12.82	12.52	12.23	12.00	11.70	11.35	11.12

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.00	10.42	10.24	10.01	9.83	9.71	9.60	9.54	9.60
45.0	11.18	10.89	10.53	10.18	10.01	9.83	9.71	9.60	9.48
90.0	10.94	10.65	10.30	10.18	10.01	9.71	9.60	9.48	9.48
135.0	11.18	11.06	10.77	10.30	10.07	9.95	9.77	9.66	9.54
180.0	11.76	11.41	11.12	10.83	10.65	10.36	10.07	9.89	9.77
225.0	11.41	11.12	10.83	10.71	10.36	10.12	9.95	9.77	9.77
270.0	11.59	11.24	11.00	10.83	10.48	10.18	9.95	9.77	9.66
315.0	11.24	11.00	10.83	10.42	10.12	10.01	9.83	9.66	9.60
360.0	11.00	10.42	10.24	10.01	9.83	9.71	9.60	9.54	9.60

Intensity data(cd)

C/γ(°)	90.0
0.0	9.54
45.0	9.54
90.0	9.48
135.0	9.48
180.0	9.71
225.0	9.54
270.0	9.60
315.0	9.48
360.0	9.54