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NT

Client:
LumCAT: 2-2688-L
Luminaire: 92.70.412.00
Report No: 2024305-B022
Ballast type: AC

Test No: 2024305-C022	Voltage(V): 34.240
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.532
Lamp flux(lm): 3287.0	Power (W): 18.215
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2697.58, Efficiency(%): 82.07% , Luminous Efficacy(lm/W): 148.10
Central intensity(cd): 6574.622, Maximum intensity(cd): 6574.622
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=35.2
[C90/270]Total=35.2
Field angle(10%Imax): [C0/180]Total=61.0
[C90/270]Total=61.0
Maximum s/h(1/2): C0_180=0.58 C90_270=0.58
Maximum s/h(1/4): C0_180=0.58 C90_270=0.58
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.07%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.772%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6574.622	0.000	0	0.00%	0.00%
1.0	6566.795	6.288	6.288	0.19%	0.23%
2.0	6541.704	18.815	25.102	0.57%	0.93%
3.0	6501.396	31.195	56.297	0.95%	2.09%
4.0	6433.656	43.298	99.595	1.32%	3.69%
5.0	6346.312	54.979	154.574	1.67%	5.73%
6.0	6230.656	66.095	220.669	2.01%	8.18%
7.0	6084.277	76.439	297.108	2.33%	11.01%
8.0	5907.759	85.825	382.932	2.61%	14.20%
9.0	5698.541	94.063	476.995	2.86%	17.68%
10.0	5478.569	101.149	578.144	3.08%	21.43%
11.0	5227.215	106.973	685.117	3.25%	25.40%
12.0	4949.745	111.249	796.365	3.38%	29.52%
13.0	4668.179	114.141	910.506	3.47%	33.75%
14.0	4359.546	115.554	1026.06	3.52%	38.04%
15.0	4069.567	115.719	1141.779	3.52%	42.33%
16.0	3768.542	114.850	1256.629	3.49%	46.58%
17.0	3461.299	112.588	1369.217	3.43%	50.76%
18.0	3186.389	109.606	1478.823	3.33%	54.82%
19.0	2888.729	105.695	1584.518	3.22%	58.74%
20.0	2617.112	100.772	1685.29	3.07%	62.47%
21.0	2360.271	95.576	1780.866	2.91%	66.02%
22.0	2116.891	89.970	1870.836	2.74%	69.35%
23.0	1872.171	83.701	1954.537	2.55%	72.46%
24.0	1675.828	77.572	2032.109	2.36%	75.33%
25.0	1460.612	71.316	2103.425	2.17%	77.97%
26.0	1328.146	65.829	2169.254	2.00%	80.41%
27.0	1142.740	60.451	2229.705	1.84%	82.66%
28.0	1015.117	54.632	2284.337	1.66%	84.68%
29.0	862.878	49.134	2333.471	1.49%	86.50%
30.0	722.716	42.811	2376.282	1.30%	88.09%
31.0	589.058	36.505	2412.786	1.11%	89.44%
32.0	468.429	30.296	2443.082	0.92%	90.57%
33.0	370.667	24.720	2467.802	0.75%	91.48%
34.0	296.526	20.191	2487.993	0.61%	92.23%
35.0	233.029	16.446	2504.439	0.50%	92.84%
36.0	189.181	13.443	2517.883	0.41%	93.34%
37.0	151.800	11.121	2529.004	0.34%	93.75%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	128.442	9.354	2538.358	0.28%	94.10%
39.0	108.925	8.102	2546.46	0.25%	94.40%
40.0	99.188	7.258	2553.718	0.22%	94.67%
41.0	90.322	6.748	2560.466	0.21%	94.92%
42.0	82.736	6.288	2566.754	0.19%	95.15%
43.0	75.706	5.869	2572.623	0.18%	95.37%
44.0	70.000	5.499	2578.122	0.17%	95.57%
45.0	64.558	5.171	2583.294	0.16%	95.76%
46.0	60.103	4.875	2588.169	0.15%	95.94%
47.0	55.918	4.614	2592.783	0.14%	96.12%
48.0	52.341	4.376	2597.16	0.13%	96.28%
49.0	49.276	4.173	2601.333	0.13%	96.43%
50.0	46.277	3.984	2605.316	0.12%	96.58%
51.0	43.804	3.811	2609.128	0.12%	96.72%
52.0	41.507	3.661	2612.788	0.11%	96.86%
53.0	39.342	3.517	2616.305	0.11%	96.99%
54.0	37.367	3.381	2619.686	0.10%	97.11%
55.0	35.552	3.255	2622.941	0.10%	97.23%
56.0	33.819	3.135	2626.076	0.10%	97.35%
57.0	32.202	3.019	2629.095	0.09%	97.46%
58.0	30.622	2.905	2632	0.09%	97.57%
59.0	29.173	2.795	2634.795	0.09%	97.67%
60.0	27.813	2.692	2637.488	0.08%	97.77%
61.0	26.584	2.596	2640.083	0.08%	97.87%
62.0	25.457	2.508	2642.591	0.08%	97.96%
63.0	24.594	2.434	2645.025	0.07%	98.05%
64.0	23.797	2.375	2647.4	0.07%	98.14%
65.0	23.285	2.330	2649.73	0.07%	98.23%
66.0	22.897	2.304	2652.034	0.07%	98.31%
67.0	22.699	2.293	2654.327	0.07%	98.40%
68.0	22.773	2.303	2656.63	0.07%	98.48%
69.0	22.875	2.329	2658.959	0.07%	98.57%
70.0	22.897	2.351	2661.31	0.07%	98.66%
71.0	22.963	2.370	2663.68	0.07%	98.74%
72.0	23.226	2.402	2666.082	0.07%	98.83%
73.0	23.204	2.428	2668.51	0.07%	98.92%
74.0	22.780	2.417	2670.927	0.07%	99.01%
75.0	22.085	2.370	2673.298	0.07%	99.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	21.214	2.299	2675.596	0.07%	99.19%
77.0	20.073	2.201	2677.797	0.07%	99.27%
78.0	18.669	2.074	2679.871	0.06%	99.34%
79.0	17.169	1.926	2681.797	0.06%	99.41%
80.0	15.823	1.779	2683.576	0.05%	99.48%
81.0	14.865	1.660	2685.235	0.05%	99.54%
82.0	14.053	1.568	2686.803	0.05%	99.60%
83.0	13.541	1.500	2688.303	0.05%	99.66%
84.0	13.255	1.460	2689.763	0.04%	99.71%
85.0	12.626	1.413	2691.176	0.04%	99.76%
86.0	11.997	1.346	2692.522	0.04%	99.81%
87.0	11.653	1.294	2693.816	0.04%	99.86%
88.0	11.463	1.266	2695.082	0.04%	99.91%
89.0	11.397	1.253	2696.335	0.04%	99.95%
90.0	11.280	1.243	2697.579	0.04%	100.00%

Zonal flux distribution table

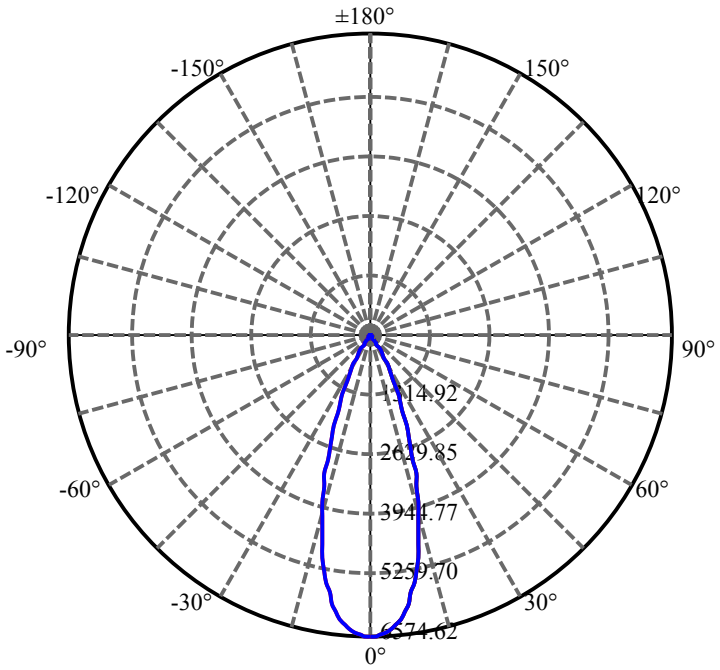
ZONAL LUMEN SUMMARY

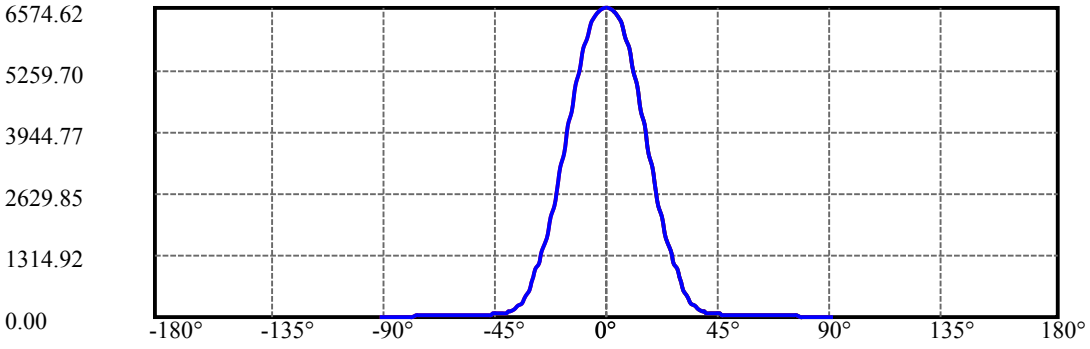
Zone	Lumens	%Lamp	%Fixt
0-30	2376.28	72.29%	88.09%
0-40	2553.72	77.69%	94.67%
0-60	2637.49	80.24%	97.77%
0-90	2696.34	82.03%	99.95%
0-120	2696.34	82.03%	99.95%
0-180	2697.58	82.07%	100.00%
60-90	58.85	1.79%	2.18%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.83	2158.06	65.65%	80.00%

ZONAL LUMEN SUMMARY

0-10	578.14
10-20	1107.15
20-30	690.99
30-40	177.44
40-50	51.60
50-60	32.17
60-70	23.82
70-80	22.27
80-90	12.76
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):

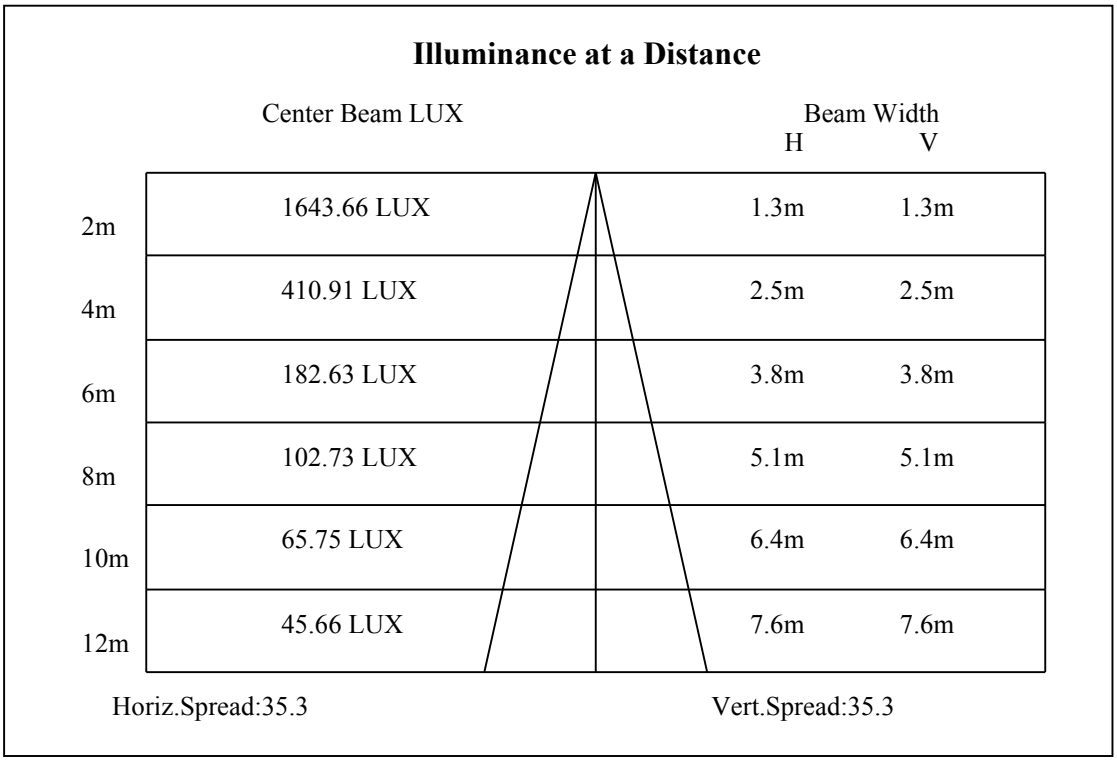
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:30.5 Right:30.5
:C90/270Left:30.5 Right:30.5

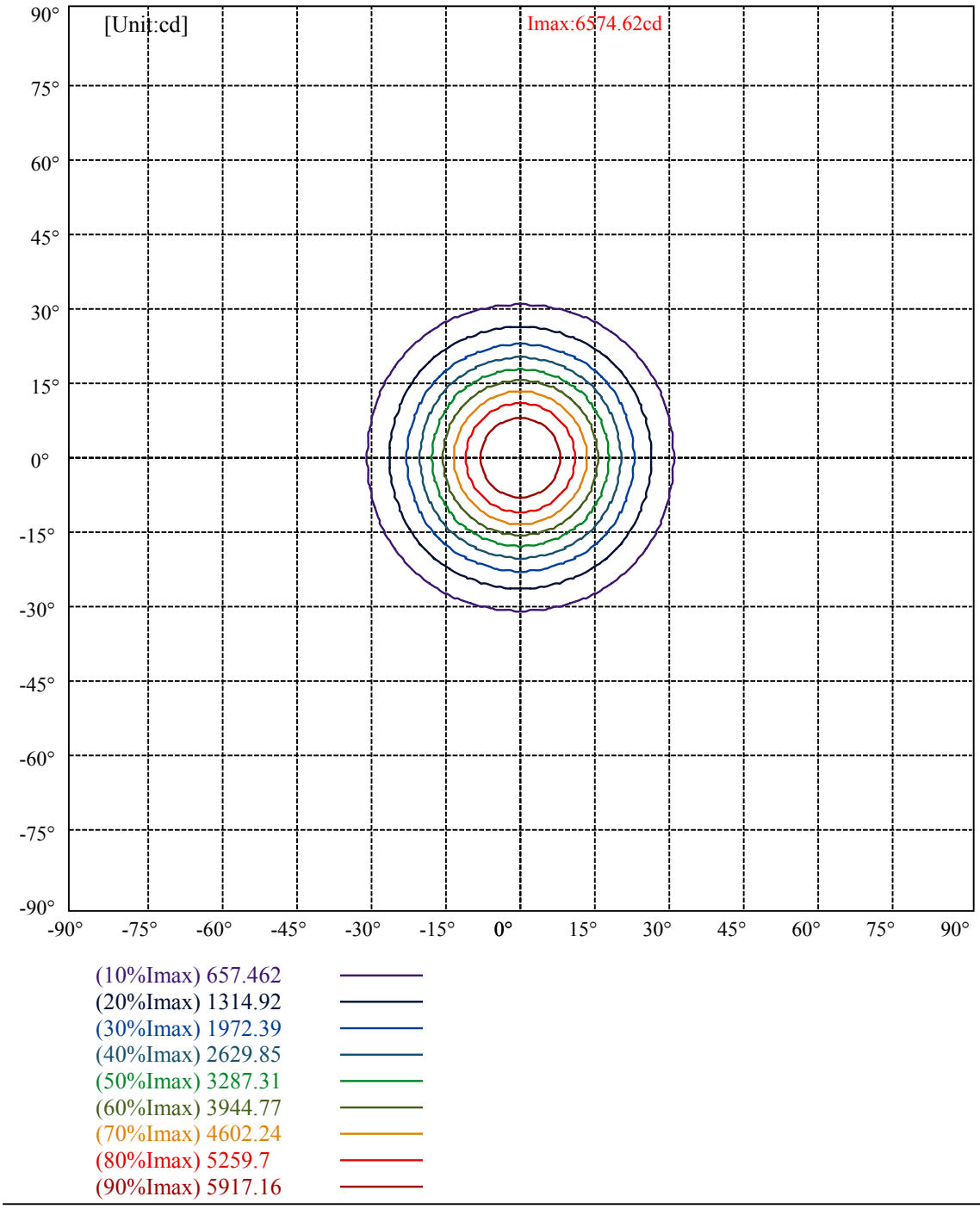
Beam Angle(50%Imax):C0/180Left:17.6 Right:17.6
:C90/270Left:17.6 Right:17.6

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/05 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

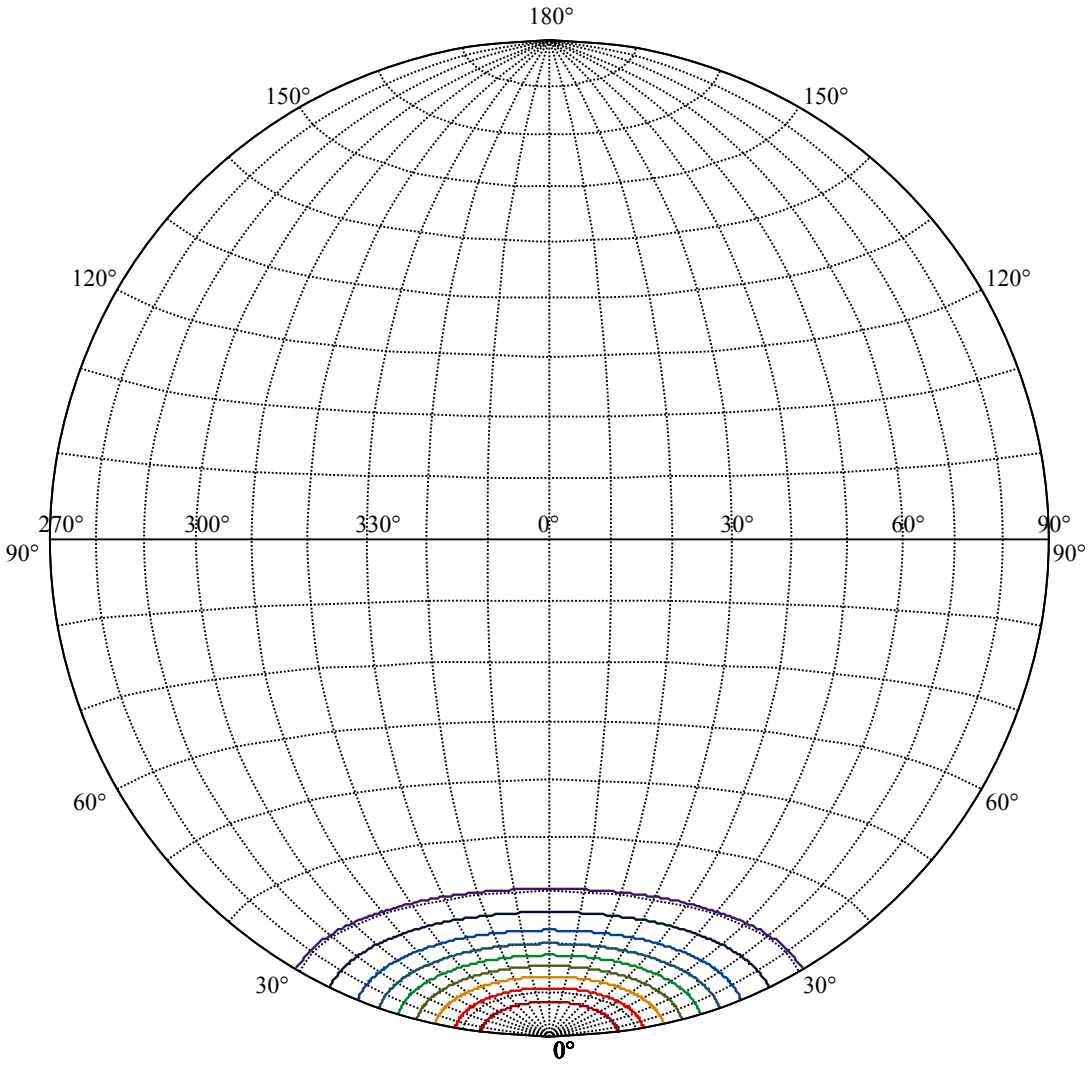


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/05
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



[Unit:cd]

Imax:6574.62

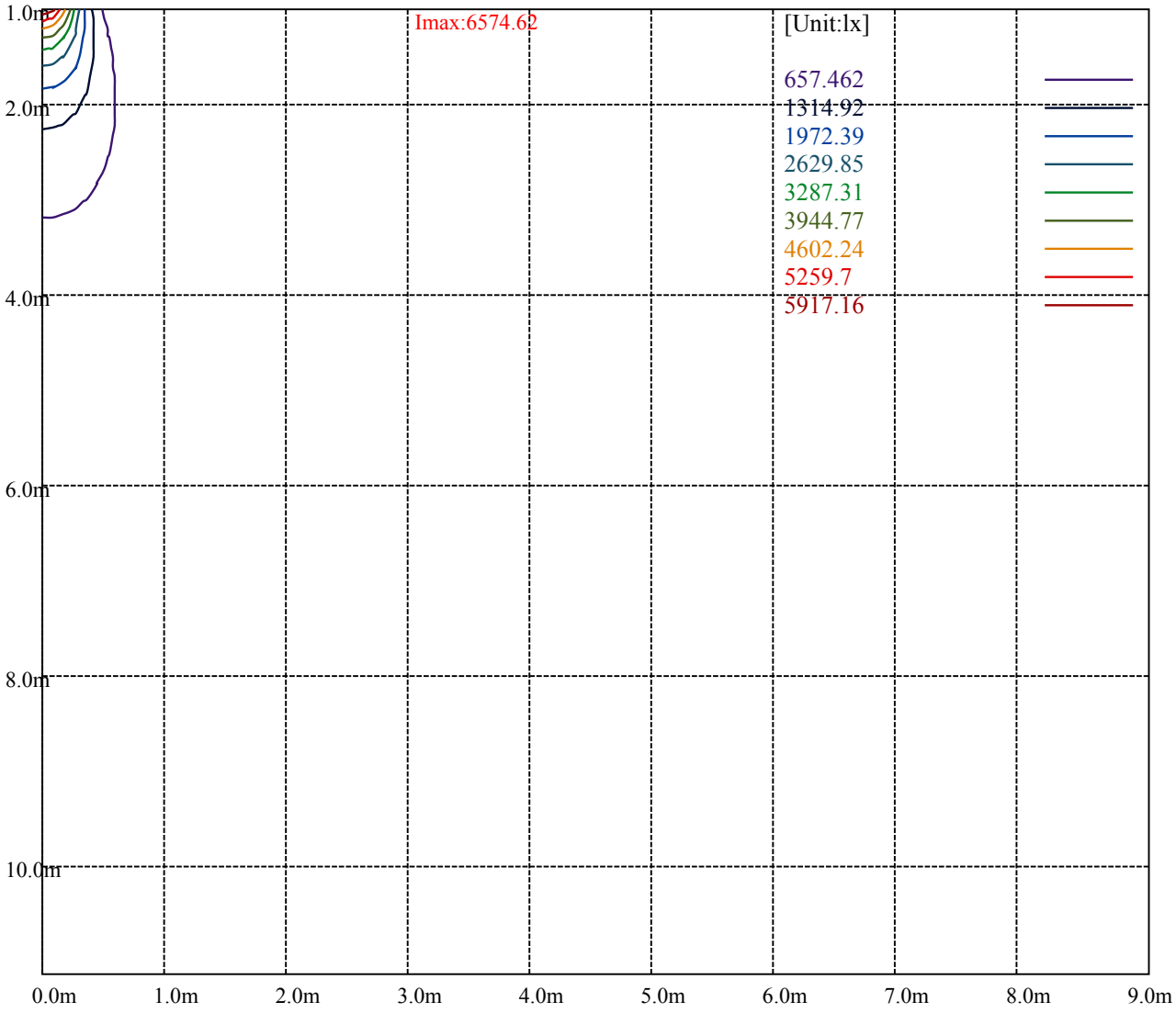
(10%Imax) 657.462
(20%Imax) 1314.92
(30%Imax) 1972.39
(40%Imax) 2629.85
(50%Imax) 3287.31
(60%Imax) 3944.77
(70%Imax) 4602.24
(80%Imax) 5259.7
(90%Imax) 5917.16

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/05
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/05
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2688-L

Luminance Limitting Curve(no luminous side)

Luminance Table

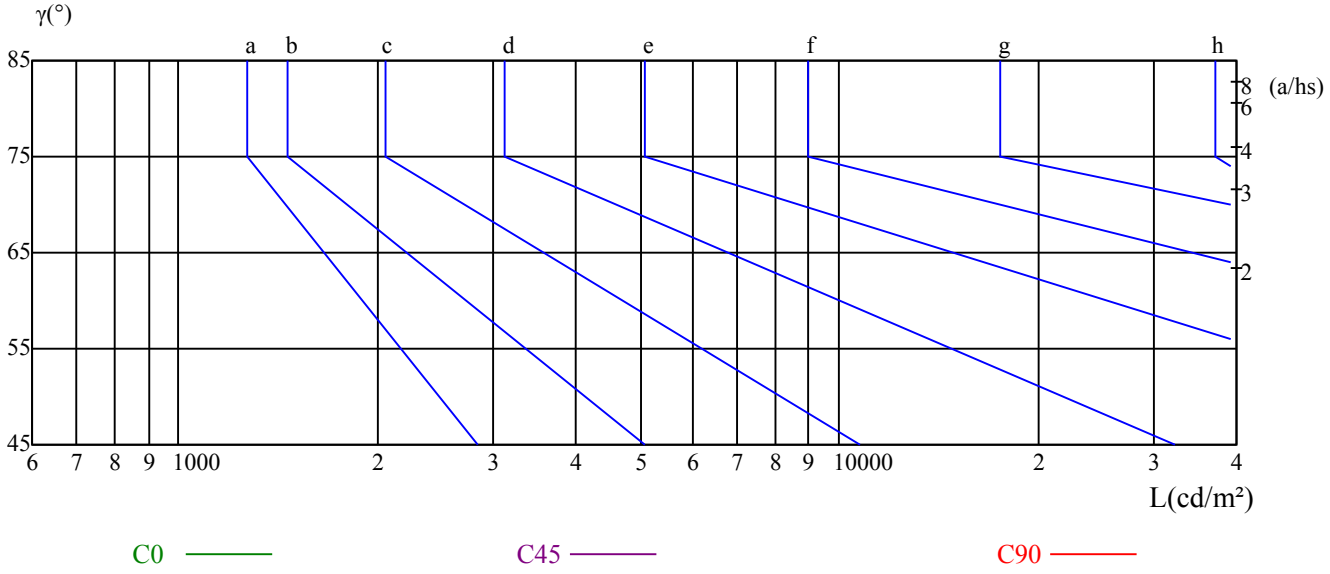
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

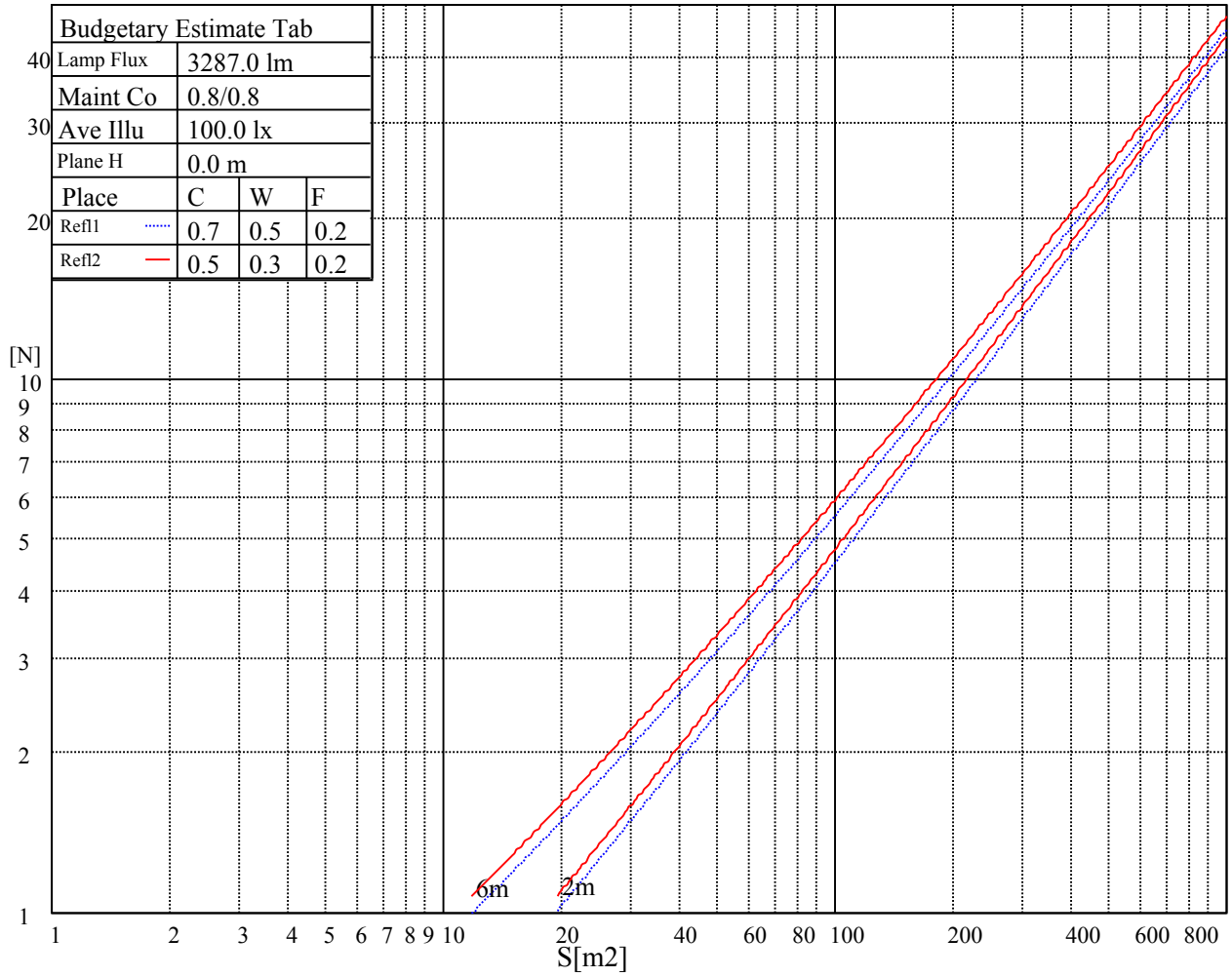
Date: 2024/3/05
Humidity(%): 60.0%

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

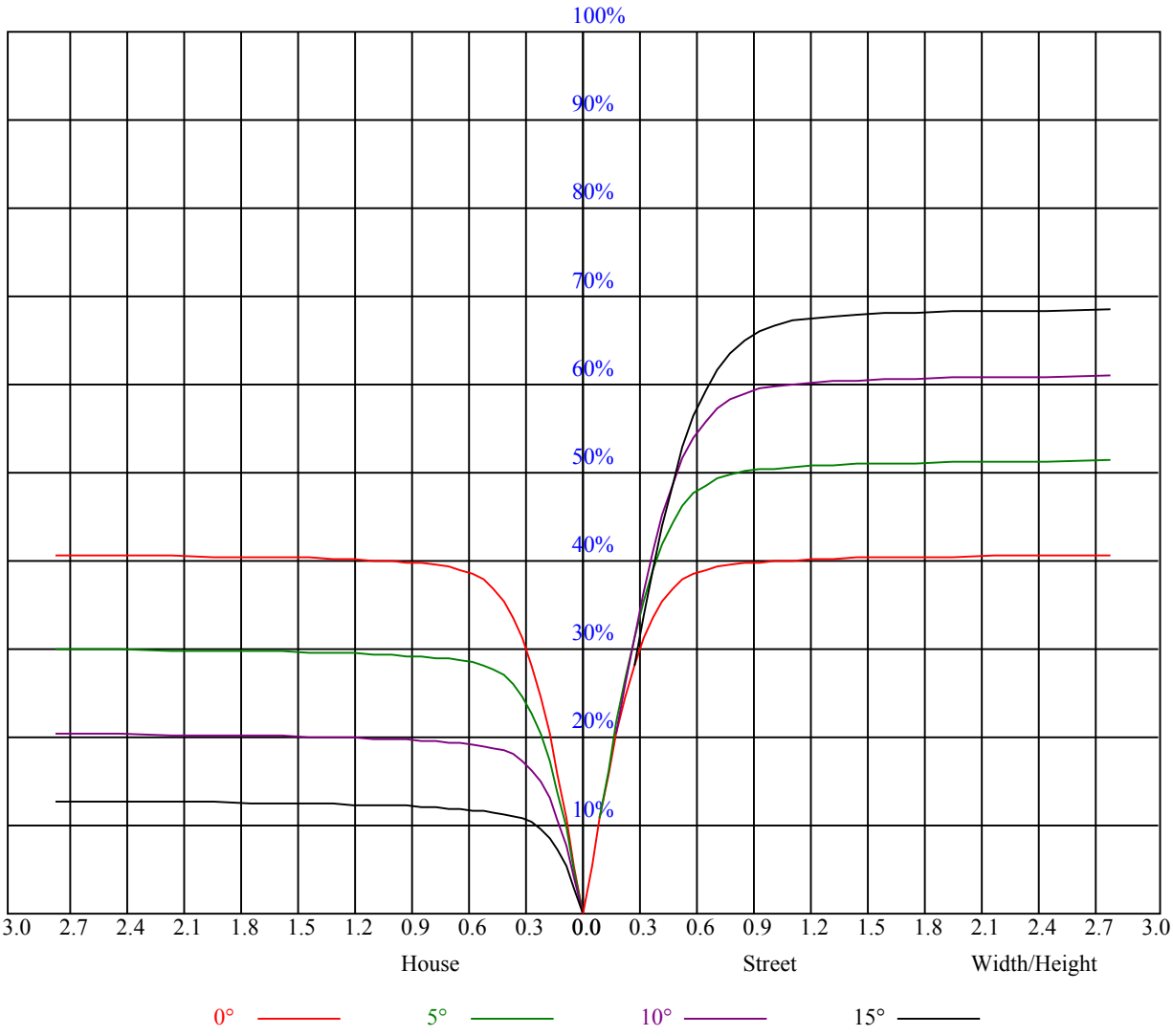


Equipment: GMS1980 Date: 2024/3/05 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

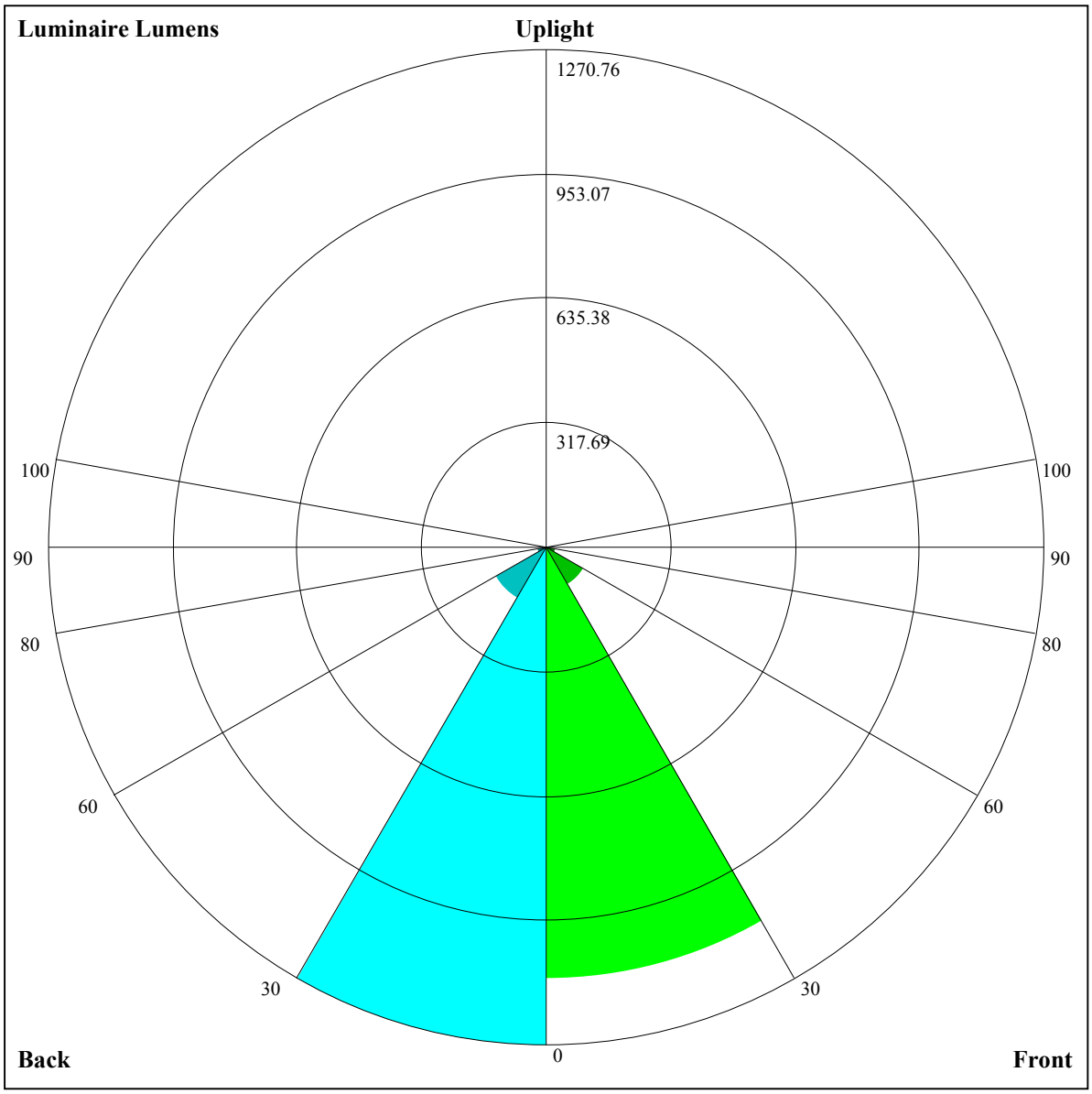
Utilization factor table for indoor luminaire

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	0.98	0.98	0.98	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.84	0.84	0.84	0.82
1	0.91	0.90	0.88	0.90	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.78
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.76	0.77	0.76	0.75	0.73
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.69	0.68	0.67
5	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.63
6	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.67	0.64	0.62	0.66	0.64	0.62	0.61
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.59	0.55	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/05	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1100.48,FM=111.38,FH=23.93,FVH=6.97
BL=1270.76,BM=151.78,BH=22.7,BVH=7.05
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	6545.21	6496.64	6428.76	6332.78	6159.55	5993.93	5807.83	5598.32	5303.37
45.0	6583.25	6557.50	6527.07	6477.91	6387.79	6272.50	6126.19	5956.48	5711.85
90.0	6580.91	6563.94	6517.71	6463.28	6389.55	6252.60	6114.49	5902.64	5708.34
135.0	6589.11	6591.45	6579.16	6559.26	6518.29	6467.97	6364.97	6256.70	6122.10
180.0	6545.21	6579.74	6586.18	6587.35	6568.62	6538.78	6504.83	6436.95	6357.36
225.0	6583.25	6582.67	6571.55	6541.70	6502.49	6438.70	6359.11	6243.24	6108.05
270.0	6580.91	6590.86	6583.84	6557.50	6517.71	6473.82	6403.01	6274.84	6135.56
315.0	6589.11	6571.55	6539.36	6491.37	6425.24	6332.19	6164.82	6005.05	5815.44
360.0	6545.21	6496.64	6428.76	6332.78	6159.55	5993.93	5807.83	5598.32	5303.37

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5048.79	4777.25	4495.76	4133.50	3844.40	3492.68	3215.28	2949.01	2636.50
45.0	5497.08	5257.72	5008.41	4673.67	4382.81	4091.95	3730.87	3441.77	3099.41
90.0	5484.79	5240.75	4919.46	4642.65	4362.91	4004.17	3714.48	3429.48	3159.69
135.0	5921.37	5728.83	5505.86	5200.95	4941.70	4668.40	4382.22	4019.38	3732.62
180.0	6218.66	6072.94	5897.37	5697.81	5408.12	5163.50	4903.66	4625.68	4282.15
225.0	5896.79	5696.64	5476.59	5239.58	4990.86	4664.30	4390.42	4111.26	3760.13
270.0	5977.55	5745.21	5525.75	5291.08	4972.13	4704.10	4419.09	4053.91	3774.17
315.0	5543.31	5309.22	4988.52	4718.73	4442.50	4087.27	3800.51	3517.85	3245.72
360.0	5048.79	4777.25	4495.76	4133.50	3844.40	3492.68	3215.28	2949.01	2636.50

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2394.21	2154.27	1935.98	1715.94	1550.32	1131.12	1131.12	1021.57	881.23
45.0	2847.18	2600.21	2294.14	2060.64	1861.66	1689.60	1524.57	1314.47	1152.37
90.0	2900.43	2584.41	2338.62	2041.32	1844.10	1672.63	1344.32	1143.47	1143.47
135.0	3449.37	3177.25	2848.35	2592.61	2346.81	2057.12	1855.22	1639.86	1470.14
180.0	4007.68	3654.20	3364.52	3083.02	2758.22	2506.58	2264.29	2035.47	1799.63
225.0	3476.88	3130.43	2869.42	2614.26	2311.11	2075.27	1871.61	1700.72	1505.26
270.0	3502.04	3156.76	2886.39	2617.77	2371.39	2129.11	1865.76	1695.46	1539.20
315.0	2913.31	2652.30	2399.48	2156.61	1891.51	1715.94	1549.73	1133.87	1133.87
360.0	2394.21	2154.27	1935.98	1715.94	1550.32	1131.12	1131.12	1021.57	881.23

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	749.79	626.78	482.64	380.10	287.76	196.28	153.68	132.26	119.68
45.0	1003.72	863.85	702.33	585.28	474.09	347.10	301.45	301.45	146.89
90.0	959.65	824.82	696.65	575.28	434.59	334.28	249.66	186.92	149.35
135.0	1298.67	1138.91	953.98	818.20	688.28	567.14	429.61	332.47	310.23
180.0	1638.10	1476.00	1310.38	1109.06	961.00	818.79	685.36	536.12	428.44
225.0	1137.91	1137.91	1022.56	879.12	709.88	584.41	444.42	347.39	262.77
270.0	1334.37	1174.61	1021.28	843.37	707.60	551.93	439.56	340.07	296.18
315.0	1019.70	878.07	713.21	591.31	449.28	347.51	261.60	195.52	150.70
360.0	749.79	626.78	482.64	380.10	287.76	196.28	153.68	132.26	119.68

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	109.50	100.66	90.83	83.92	77.78	70.93	66.13	61.74	57.94
45.0	131.56	116.17	106.10	97.50	89.77	81.46	75.38	69.88	65.02
90.0	133.90	120.56	107.21	98.20	88.31	81.29	74.91	69.23	63.09
135.0	214.89	146.66	130.62	114.59	104.11	95.16	85.50	78.71	72.63
180.0	308.47	308.47	213.26	138.17	123.72	111.60	101.60	91.06	83.75
225.0	184.17	151.34	134.48	117.92	107.21	98.14	90.24	81.40	75.20
270.0	296.18	148.35	133.31	120.56	110.02	98.61	90.71	81.81	75.49
315.0	134.78	122.19	111.72	100.54	92.58	85.38	77.43	71.81	66.89
360.0	109.50	100.66	90.83	83.92	77.78	70.93	66.13	61.74	57.94

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	53.61	50.56	48.05	45.06	42.96	40.56	38.86	37.10	35.58
45.0	59.93	56.30	52.79	49.16	46.70	44.42	41.84	39.97	38.16
90.0	58.82	55.01	51.62	47.93	45.30	42.96	40.91	38.57	36.75
135.0	65.95	61.33	57.29	53.61	50.21	46.47	43.95	41.79	39.44
180.0	77.19	71.40	65.02	60.57	56.65	52.38	49.22	46.47	43.42
225.0	69.58	64.67	59.34	55.71	52.38	48.63	46.12	43.13	41.02
270.0	69.88	63.79	59.58	55.95	51.85	49.10	46.53	44.07	41.38
315.0	61.51	57.76	53.67	50.74	48.16	45.71	43.01	40.97	38.98
360.0	53.61	50.56	48.05	45.06	42.96	40.56	38.86	37.10	35.58

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	33.59	32.01	30.67	29.38	27.68	26.69	25.75	24.87	23.82
45.0	36.11	34.53	32.95	31.49	29.79	28.56	27.39	26.34	25.22
90.0	34.76	33.24	31.66	29.96	28.62	27.33	26.10	24.99	24.35
135.0	37.57	35.87	34.06	32.60	30.72	29.38	28.03	26.63	25.34
180.0	41.20	39.27	36.93	35.17	33.65	31.78	30.26	28.85	27.62
225.0	39.03	36.75	35.11	33.53	32.01	30.43	28.73	27.45	26.22
270.0	39.44	37.63	35.82	33.77	32.19	30.55	28.85	27.56	26.04
315.0	37.22	35.11	33.36	31.72	30.31	28.68	27.39	25.98	25.05
360.0	33.59	32.01	30.67	29.38	27.68	26.69	25.75	24.87	23.82

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.12	22.59	22.82	23.64	25.63	27.45	28.21	28.27	28.73
45.0	24.58	24.29	24.17	24.35	24.29	24.58	25.75	27.21	28.09
90.0	24.17	24.40	24.76	24.99	25.63	27.45	28.97	29.14	28.91
135.0	24.40	23.41	22.47	21.77	20.95	20.25	19.55	18.90	18.43
180.0	26.39	24.87	23.94	23.06	21.95	21.19	20.37	19.84	19.61
225.0	25.11	23.94	22.94	21.89	21.19	20.54	20.01	19.96	20.19
270.0	24.99	23.99	23.06	22.06	21.30	20.83	20.83	21.01	21.48
315.0	23.99	22.88	22.12	21.42	20.66	19.90	19.31	18.84	18.26
360.0	23.12	22.59	22.82	23.64	25.63	27.45	28.21	28.27	28.73

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	29.14	29.03	27.80	25.69	23.58	19.61	16.21	14.57	14.28
45.0	28.85	29.61	29.20	28.32	27.33	25.52	22.71	19.61	16.50
90.0	28.97	28.03	27.10	26.57	25.28	24.23	22.00	18.49	15.57
135.0	17.73	17.26	16.91	16.44	16.04	15.68	15.33	14.92	14.51
180.0	20.13	20.66	20.66	20.37	19.55	19.37	19.08	18.20	16.97
225.0	21.01	21.42	21.48	21.24	20.78	20.07	19.08	17.79	16.39
270.0	22.18	22.30	22.18	21.65	21.13	20.48	19.78	18.90	17.85
315.0	17.79	17.32	16.91	16.39	16.04	15.63	15.16	14.86	14.51
360.0	29.14	29.03	27.80	25.69	23.58	19.61	16.21	14.57	14.28

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.28	14.10	14.22	13.99	11.88	11.59	11.29	11.35	11.29
45.0	14.22	13.64	13.40	13.58	12.52	11.65	11.41	11.12	11.29
90.0	13.87	13.11	12.82	12.47	11.88	11.59	11.41	11.18	11.35
135.0	14.10	13.75	13.40	12.99	12.58	12.00	11.76	11.53	11.53
180.0	16.44	15.57	13.93	13.28	12.99	12.64	12.29	11.88	11.70
225.0	15.10	13.99	13.40	12.93	12.52	12.06	11.76	11.53	11.35
270.0	16.62	14.16	13.28	12.99	12.76	12.47	11.76	11.59	11.35
315.0	14.28	14.10	13.87	13.81	13.87	12.00	11.53	11.53	11.29
360.0	14.28	14.10	14.22	13.99	11.88	11.59	11.29	11.35	11.29

Intensity data(cd)

C/γ(°)	90.0
0.0	11.29
45.0	11.18
90.0	11.18
135.0	11.24
180.0	11.47
225.0	11.41
270.0	11.12
315.0	11.35
360.0	11.29