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NT

Client:
LumCAT: 3-2832-L
Luminaire: 92.70.412.00
Report No: 2024308-B006
Ballast type: AC

Test No: 2024308-C006	Voltage(V): 34.280
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.530
Lamp flux(lm): 3273.0	Power (W): 18.168
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2791.71, Efficiency(%): 85.30% , Luminous Efficacy(lm/W): 153.66
Central intensity(cd): 13509.040, Maximum intensity(cd): 13509.040
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=17.6
[C90/270]Total=17.6
Field angle(10%Imax): [C0/180]Total=49.6
[C90/270]Total=49.6
Maximum s/h(1/2): C0_180=0.30 C90_270=0.30
Maximum s/h(1/4): C0_180=0.35 C90_270=0.35
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.30%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.960%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	13509.041	0.000	0	0.00%	0.00%
1.0	13106.129	12.735	12.735	0.39%	0.46%
2.0	12893.984	37.318	50.053	1.14%	1.79%
3.0	12046.666	59.650	109.703	1.82%	3.93%
4.0	11454.565	78.666	188.369	2.40%	6.75%
5.0	10580.019	94.792	283.16	2.90%	10.14%
6.0	9565.971	105.873	389.033	3.23%	13.94%
7.0	8488.133	112.062	501.094	3.42%	17.95%
8.0	7508.027	114.481	615.576	3.50%	22.05%
9.0	6575.178	114.137	729.713	3.49%	26.14%
10.0	5715.483	111.226	840.939	3.40%	30.12%
11.0	5037.353	107.443	948.381	3.28%	33.97%
12.0	4509.042	104.356	1052.737	3.19%	37.71%
13.0	4036.692	101.416	1154.154	3.10%	41.34%
14.0	3626.449	98.088	1252.241	3.00%	44.86%
15.0	3289.360	94.943	1347.184	2.90%	48.26%
16.0	3022.277	92.483	1439.668	2.83%	51.57%
17.0	2828.861	91.118	1530.786	2.78%	54.83%
18.0	2534.946	88.438	1619.223	2.70%	58.00%
19.0	2388.493	85.658	1704.881	2.62%	61.07%
20.0	2140.958	82.902	1787.782	2.53%	64.04%
21.0	1939.860	78.360	1866.142	2.39%	66.85%
22.0	1788.214	74.917	1941.06	2.29%	69.53%
23.0	1614.460	71.397	2012.457	2.18%	72.09%
24.0	1469.244	67.421	2079.878	2.06%	74.50%
25.0	1315.432	63.317	2143.195	1.93%	76.77%
26.0	1215.461	59.742	2202.937	1.83%	78.91%
27.0	1140.391	57.636	2260.574	1.76%	80.97%
28.0	1052.235	55.513	2316.086	1.70%	82.96%
29.0	973.888	53.009	2369.095	1.62%	84.86%
30.0	885.255	50.196	2419.292	1.53%	86.66%
31.0	770.171	46.068	2465.36	1.41%	88.31%
32.0	658.481	40.929	2506.289	1.25%	89.78%
33.0	534.310	35.140	2541.429	1.07%	91.03%
34.0	409.438	28.561	2569.99	0.87%	92.06%
35.0	312.049	22.407	2592.396	0.68%	92.86%
36.0	252.086	17.962	2610.359	0.55%	93.50%
37.0	165.933	13.633	2623.992	0.42%	93.99%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	136.994	10.111	2634.103	0.31%	94.35%
39.0	97.747	8.012	2642.116	0.24%	94.64%
40.0	88.918	6.510	2648.626	0.20%	94.87%
41.0	82.458	6.103	2654.729	0.19%	95.09%
42.0	76.760	5.785	2660.513	0.18%	95.30%
43.0	71.463	5.491	2666.004	0.17%	95.50%
44.0	66.489	5.207	2671.21	0.16%	95.68%
45.0	62.275	4.949	2676.159	0.15%	95.86%
46.0	58.530	4.724	2680.883	0.14%	96.03%
47.0	55.106	4.520	2685.403	0.14%	96.19%
48.0	52.136	4.335	2689.738	0.13%	96.35%
49.0	49.744	4.184	2693.922	0.13%	96.50%
50.0	47.696	4.063	2697.985	0.12%	96.64%
51.0	45.947	3.962	2701.947	0.12%	96.78%
52.0	44.601	3.886	2705.832	0.12%	96.92%
53.0	43.358	3.826	2709.658	0.12%	97.06%
54.0	42.253	3.773	2713.432	0.12%	97.20%
55.0	41.244	3.727	2717.159	0.11%	97.33%
56.0	40.227	3.681	2720.84	0.11%	97.46%
57.0	38.961	3.621	2724.461	0.11%	97.59%
58.0	37.608	3.541	2728.002	0.11%	97.72%
59.0	35.984	3.440	2731.442	0.11%	97.84%
60.0	34.126	3.312	2734.755	0.10%	97.96%
61.0	32.173	3.164	2737.919	0.10%	98.07%
62.0	30.322	3.011	2740.93	0.09%	98.18%
63.0	28.193	2.846	2743.776	0.09%	98.28%
64.0	26.496	2.684	2746.459	0.08%	98.38%
65.0	24.660	2.532	2748.991	0.08%	98.47%
66.0	23.131	2.384	2751.375	0.07%	98.56%
67.0	21.748	2.257	2753.632	0.07%	98.64%
68.0	20.717	2.151	2755.783	0.07%	98.71%
69.0	19.832	2.069	2757.852	0.06%	98.79%
70.0	19.086	1.999	2759.851	0.06%	98.86%
71.0	18.530	1.944	2761.795	0.06%	98.93%
72.0	18.003	1.900	2763.694	0.06%	99.00%
73.0	17.557	1.860	2765.554	0.06%	99.06%
74.0	17.118	1.823	2767.377	0.06%	99.13%
75.0	16.694	1.786	2769.163	0.05%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.291	1.751	2770.914	0.05%	99.26%
77.0	15.867	1.715	2772.629	0.05%	99.32%
78.0	15.472	1.678	2774.306	0.05%	99.38%
79.0	15.121	1.644	2775.95	0.05%	99.44%
80.0	14.784	1.612	2777.562	0.05%	99.49%
81.0	14.360	1.576	2779.138	0.05%	99.55%
82.0	13.965	1.536	2780.674	0.05%	99.60%
83.0	13.592	1.498	2782.172	0.05%	99.66%
84.0	13.131	1.456	2783.628	0.04%	99.71%
85.0	12.809	1.416	2785.044	0.04%	99.76%
86.0	12.465	1.382	2786.426	0.04%	99.81%
87.0	12.224	1.351	2787.777	0.04%	99.86%
88.0	12.012	1.328	2789.104	0.04%	99.91%
89.0	11.858	1.308	2790.413	0.04%	99.95%
90.0	11.770	1.296	2791.708	0.04%	100.00%

Zonal flux distribution table

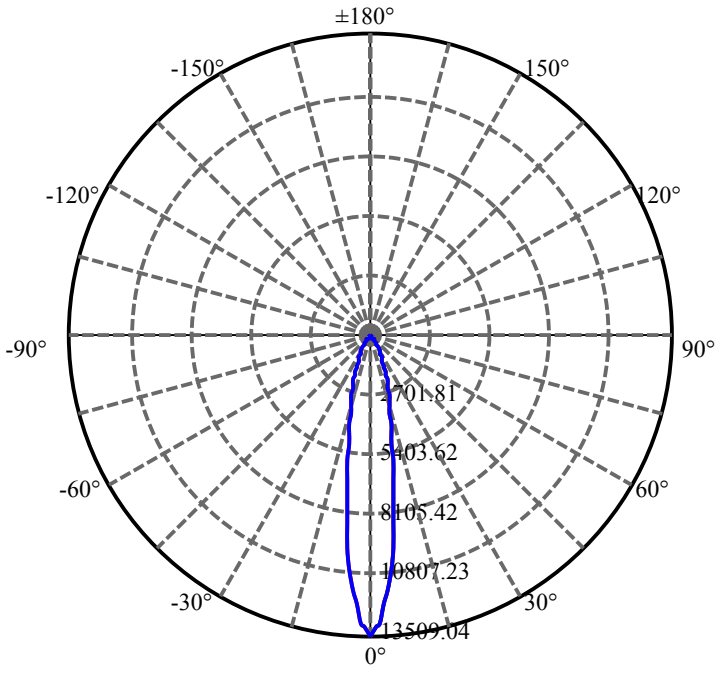
ZONAL LUMEN SUMMARY

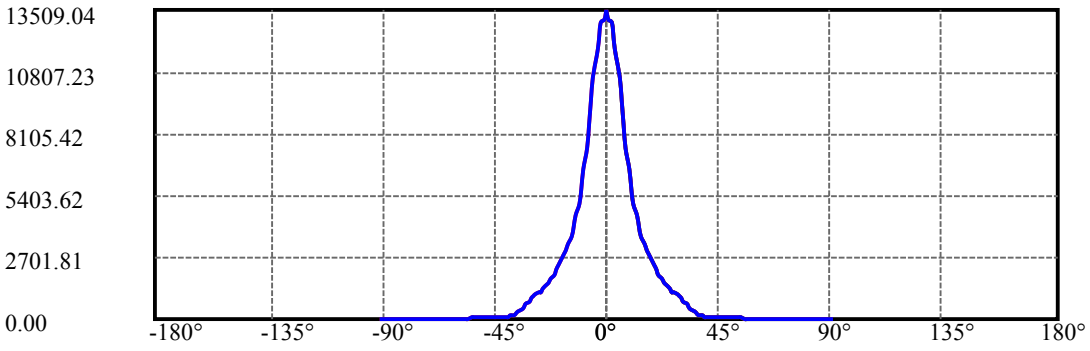
Zone	Lumens	%Lamp	%Fixt
0-30	2419.29	73.92%	86.66%
0-40	2648.63	80.92%	94.87%
0-60	2734.75	83.55%	97.96%
0-90	2790.41	85.26%	99.95%
0-120	2790.41	85.26%	99.95%
0-180	2791.71	85.30%	100.00%
60-90	55.66	1.70%	1.99%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.53	2233.37	68.24%	80.00%

ZONAL LUMEN SUMMARY

0-10	840.94
10-20	946.84
20-30	631.51
30-40	229.33
40-50	49.36
50-60	36.77
60-70	25.10
70-80	17.71
80-90	12.85
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):

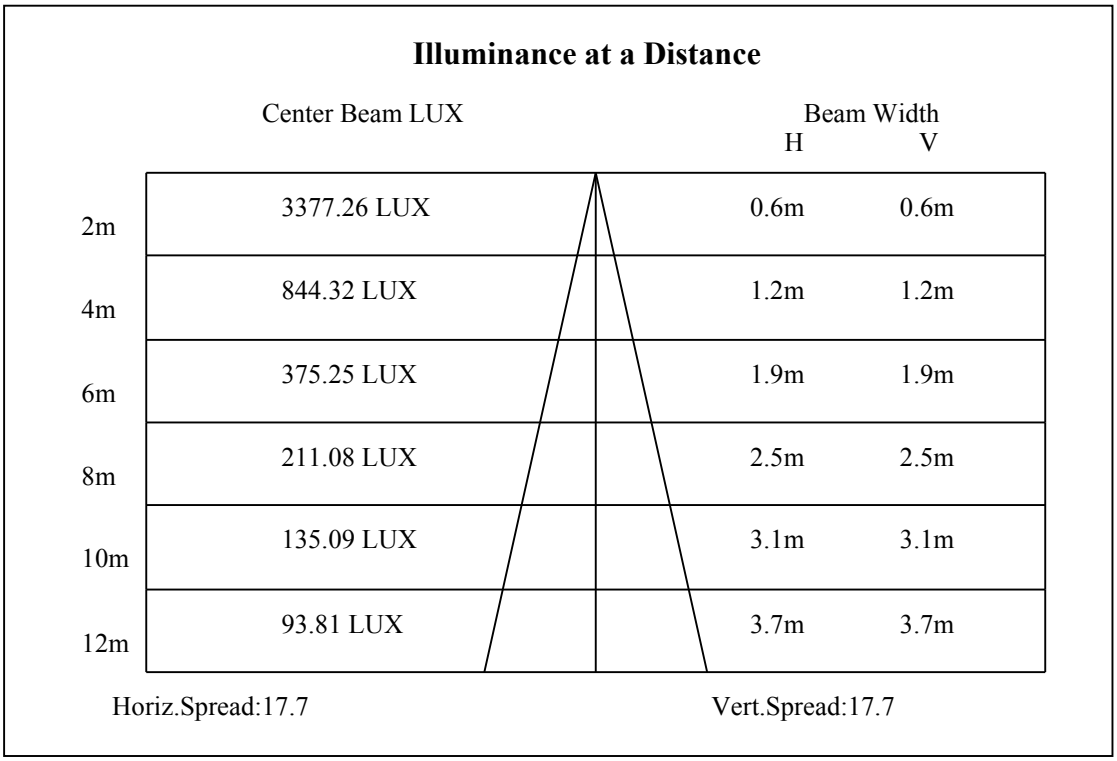
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:24.8 Right:24.8
:C90/270Left:24.8 Right:24.8

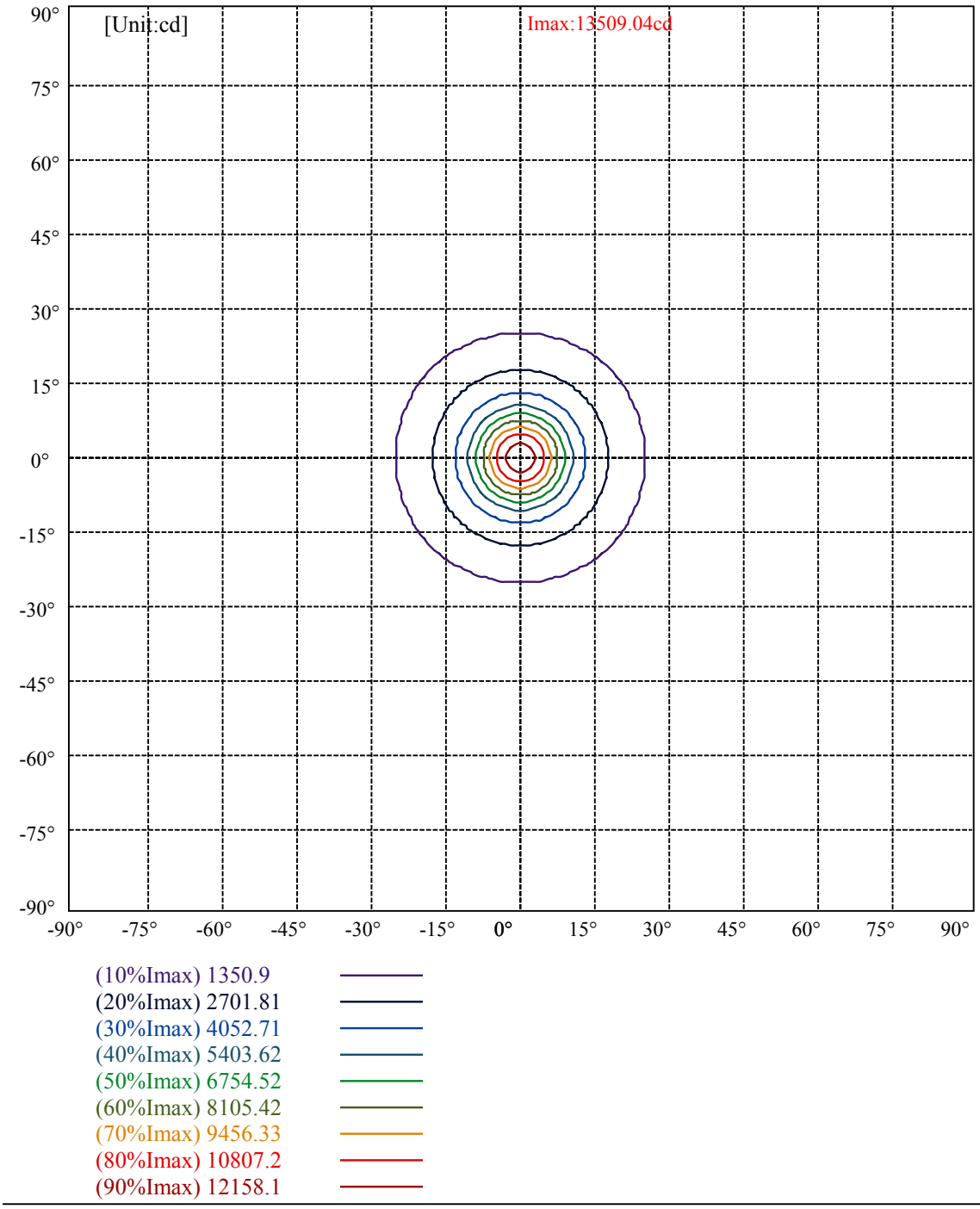
Beam Angle(50%Imax):C0/180Left:8.8 Right:8.8
:C90/270Left:8.8 Right:8.8

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)

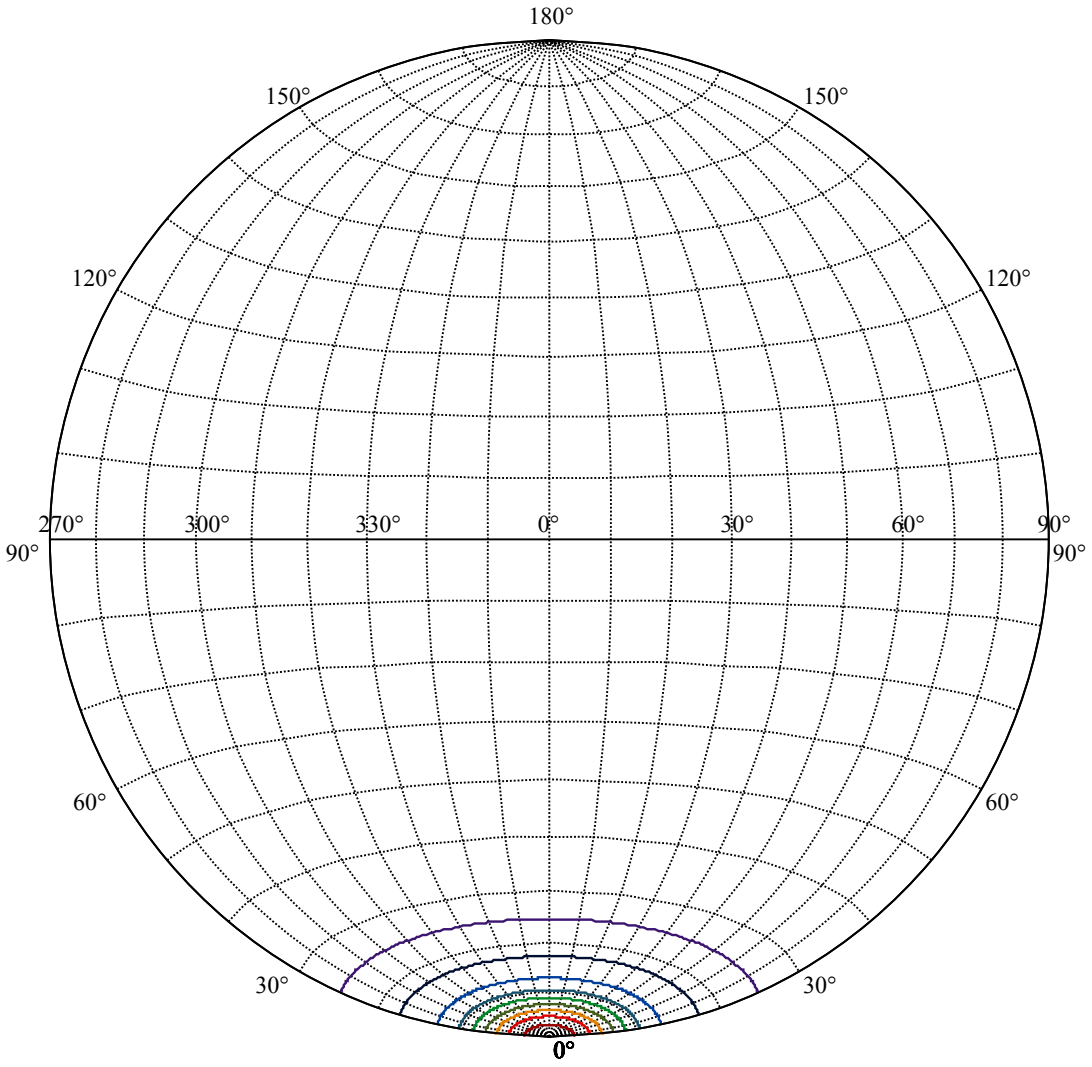


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:13509.04

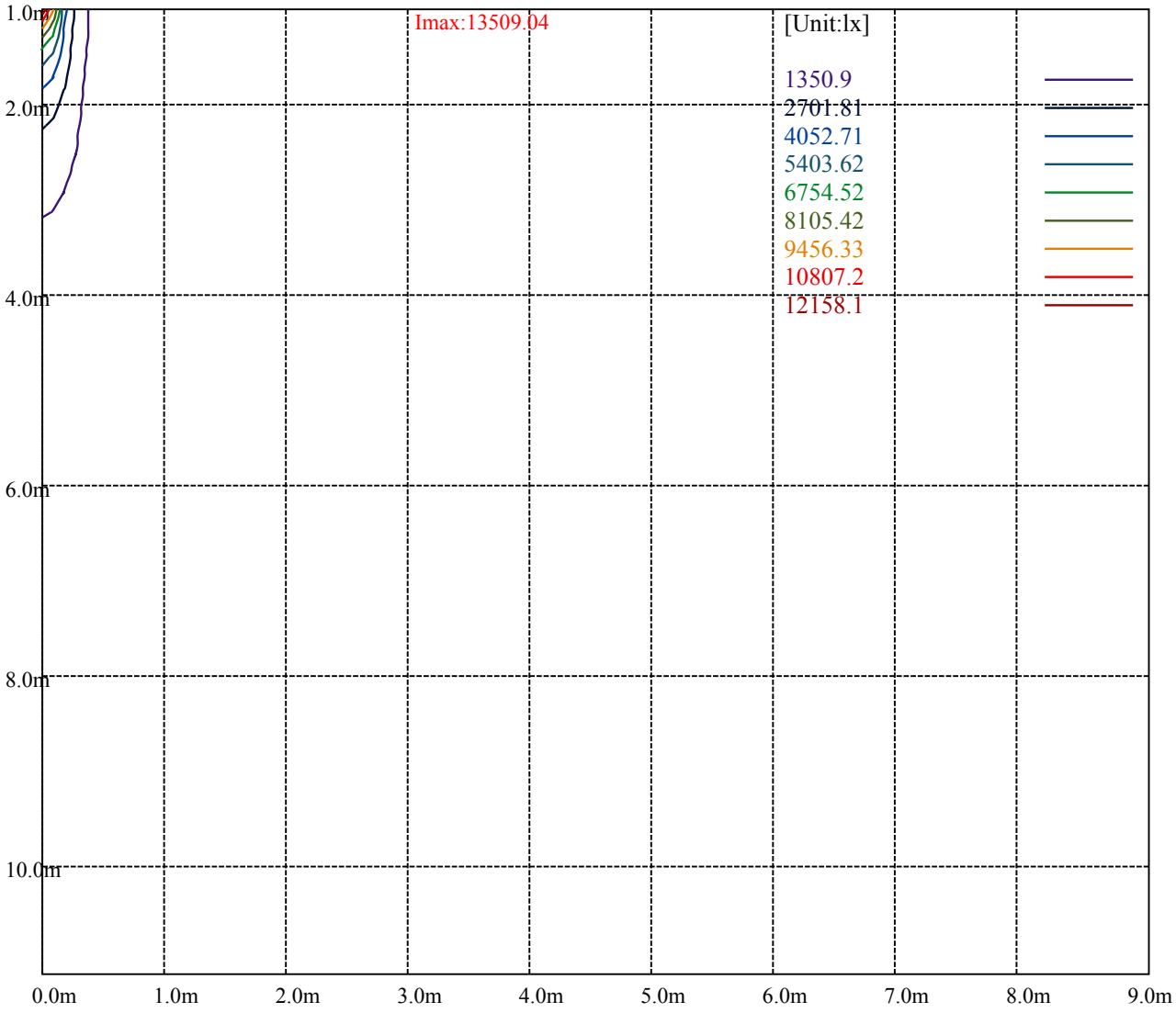
(10%Imax) 1350.9
(20%Imax) 2701.81
(30%Imax) 4052.71
(40%Imax) 5403.62
(50%Imax) 6754.52
(60%Imax) 8105.42
(70%Imax) 9456.33
(80%Imax) 10807.2
(90%Imax) 12158.1

Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

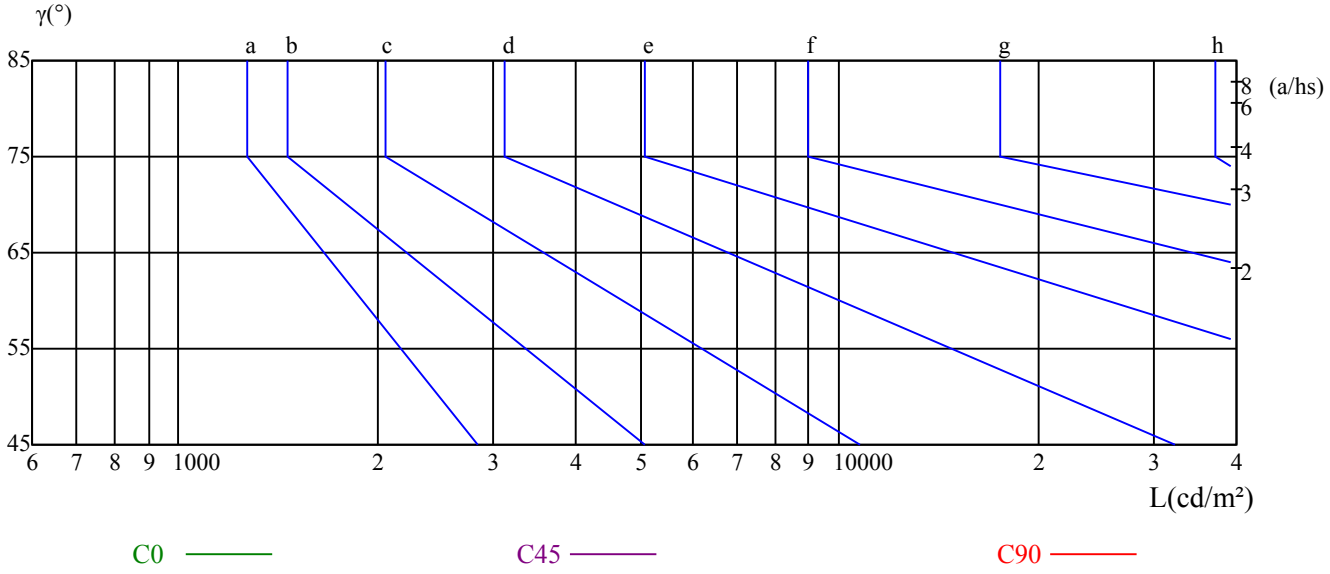
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

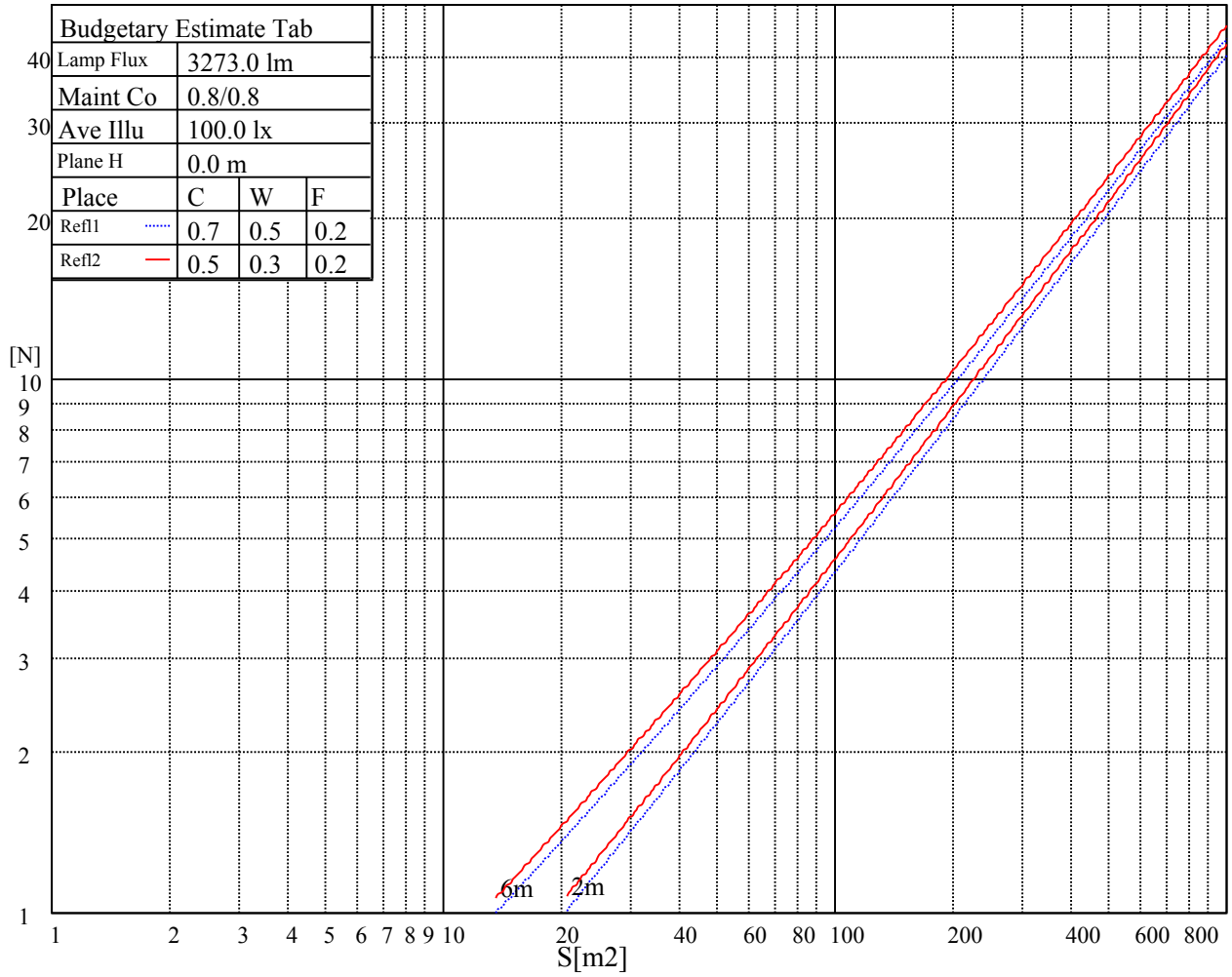
Luminance Limitting Curve



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

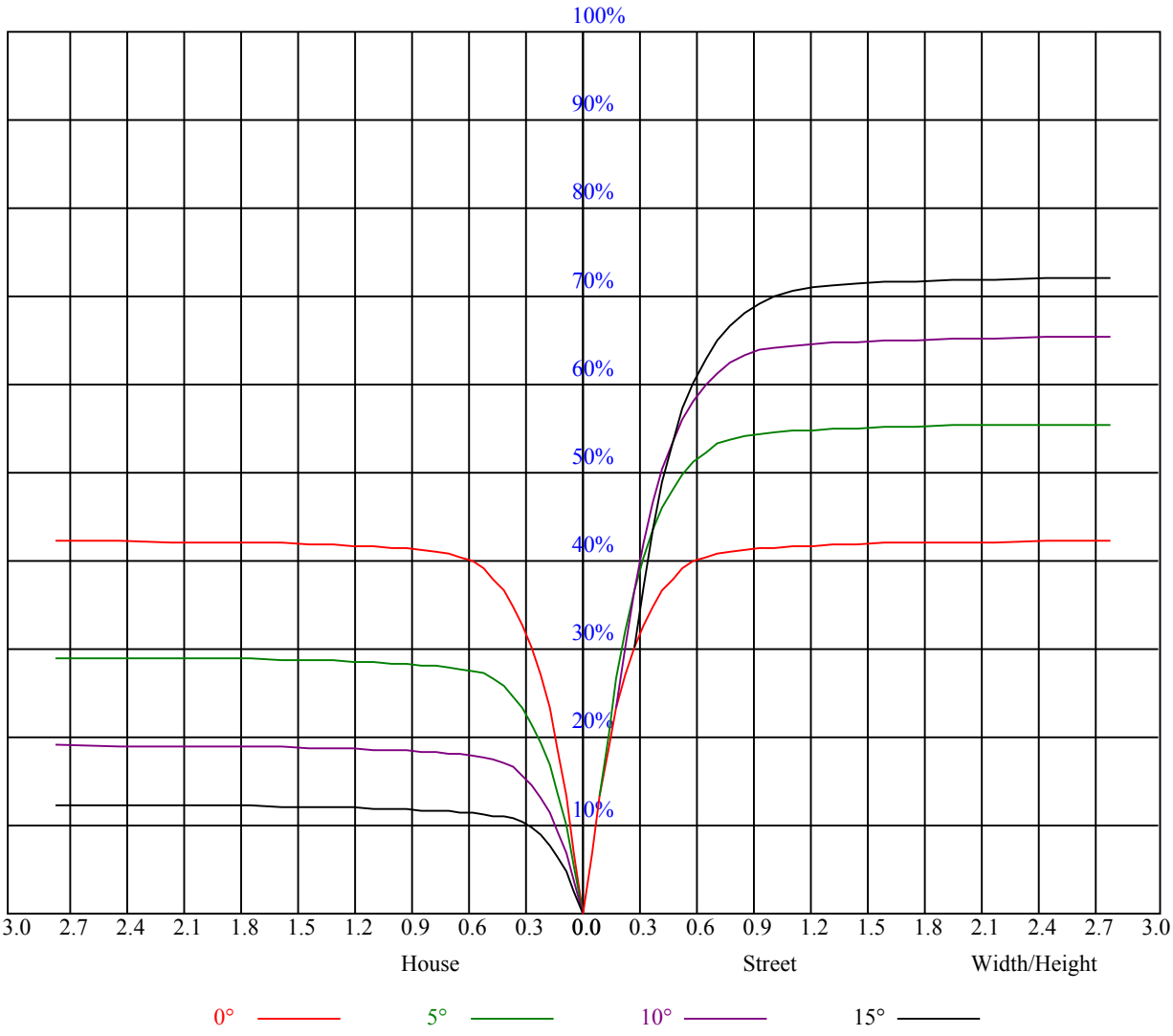


Equipment: GMS1980 Date: 2024/3/8 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

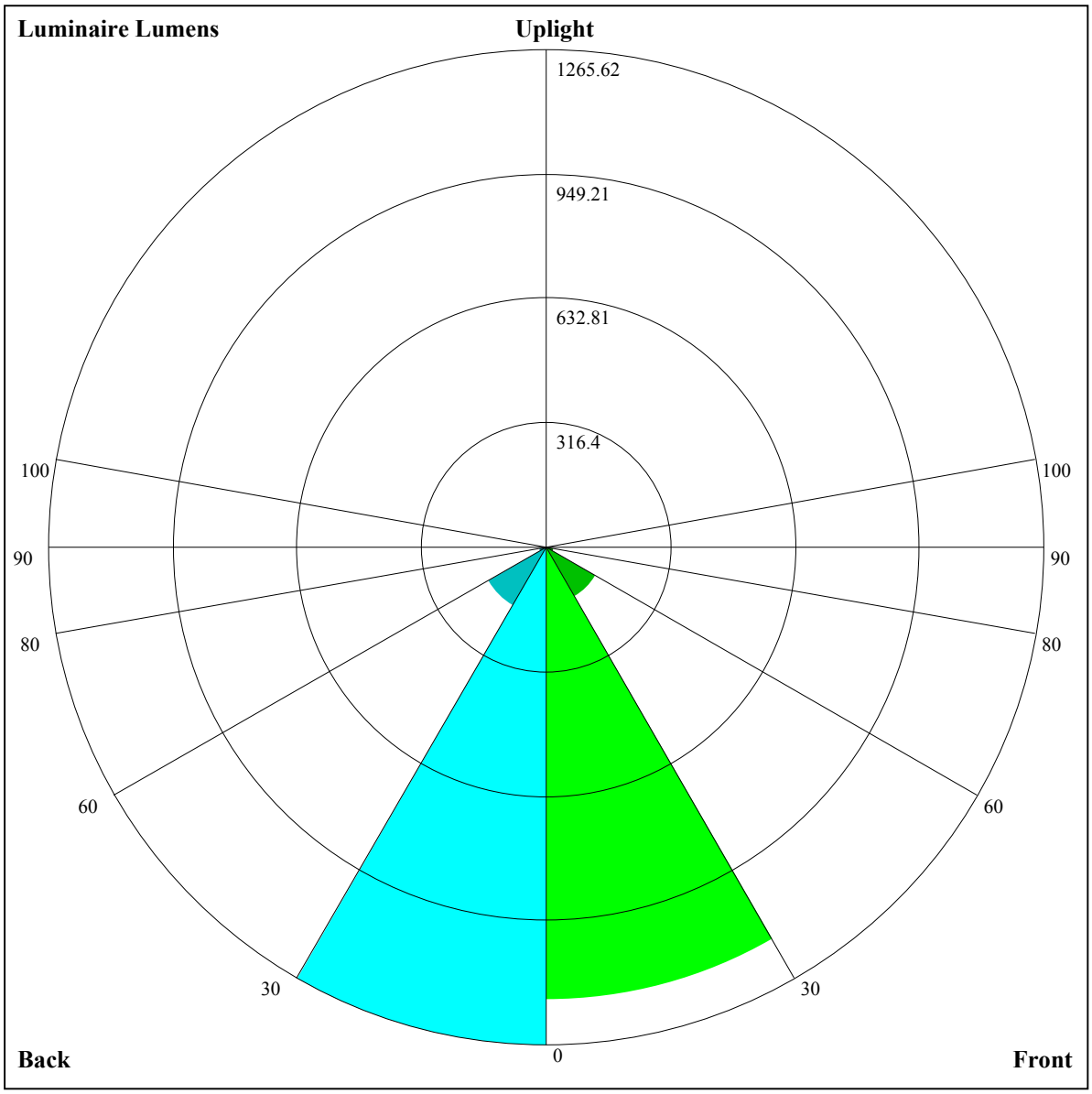
Utilization factor table for indoor luminaire

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	0.92	0.93	0.92	0.90	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.86	0.84	0.86	0.84	0.82	0.83	0.82	0.80	0.81	0.80	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	0.73
4	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.71	0.68	0.66	0.70	0.68	0.66	0.65
7	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
8	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.56

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=1152.73,FM=146.85,FH=20.82,FVH=6.98
BL=1265.62,BM=171.18,BH=22,BVH=7.18
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	13235.45	11646.62	11646.62	10945.52	9933.67	8660.22	7665.92	6720.78	5732.34
45.0	13680.22	13440.28	12814.09	12082.56	11204.72	9958.19	8939.90	7939.16	6991.10
90.0	13422.72	11606.83	11606.83	11150.94	10176.54	9174.63	7917.57	6964.24	6109.22
135.0	13697.78	13516.36	13094.99	12281.53	11462.22	10520.00	9519.27	8261.04	7307.12
180.0	13235.45	13645.11	13703.63	13551.47	13042.32	12392.72	11391.99	10473.19	9466.60
225.0	13680.22	13645.11	13352.49	11540.11	11540.11	11094.75	10124.45	9097.38	8072.07
270.0	13422.72	13697.78	13650.96	13270.56	12726.30	11988.92	11128.64	9911.37	8869.67
315.0	13697.78	13650.96	13282.27	11550.64	11550.64	10850.72	9840.03	8537.91	7516.10
360.0	13235.45	11646.62	11646.62	10945.52	9933.67	8660.22	7665.92	6720.78	5732.34

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5099.12	4571.84	4029.92	3661.81	3267.95	2990.56	2747.69	2528.23	2287.12
45.0	5955.25	5293.95	4743.83	4287.36	3807.47	3473.90	3169.58	2976.45	2976.45
90.0	5398.17	4701.76	4242.94	3858.45	3523.70	3159.69	2905.70	2678.05	2424.06
135.0	6417.58	5492.92	4901.84	4421.96	3906.96	3561.68	3263.21	2994.01	2994.01
180.0	8448.31	7231.04	6323.94	5545.59	4931.11	4328.32	3918.67	3573.38	3280.77
225.0	6850.70	5976.96	5275.28	4715.80	4255.23	3775.93	3372.71	3097.65	2843.67
270.0	7857.23	6879.91	5826.50	5135.93	4579.97	4152.76	3678.72	3345.15	3081.79
315.0	6575.06	5575.50	4954.57	4445.43	4021.14	3568.76	3258.59	2985.29	2743.01
360.0	5099.12	4571.84	4029.92	3661.81	3267.95	2990.56	2747.69	2528.23	2287.12

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2116.23	1964.07	1814.84	1636.93	1499.99	1163.95	1163.95	1125.45	1062.59
45.0	2419.38	2195.24	2030.79	1841.18	1701.89	1562.61	1423.33	1255.95	1161.14
90.0	2242.64	2077.61	1887.99	1746.37	1607.09	1431.52	1158.16	1158.16	1100.52
135.0	2497.80	2312.28	2097.50	1948.27	1802.55	1665.02	1526.33	1350.76	1222.01
180.0	2958.90	2958.90	2697.95	2266.63	2098.68	1944.18	1762.17	1632.84	1463.71
225.0	2618.94	2364.37	2182.95	2022.01	1839.42	1707.75	1574.90	1311.55	1160.15
270.0	2953.05	2953.05	2302.33	2133.20	1972.27	1823.03	1658.00	1529.84	1394.65
315.0	2472.63	2282.44	2113.31	1924.28	1783.82	1617.62	1487.12	1158.92	1158.92
360.0	2116.23	1964.07	1814.84	1636.93	1499.99	1163.95	1163.95	1125.45	1062.59

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	999.62	886.26	785.08	676.93	535.31	416.04	307.77	189.50	126.70
45.0	1089.16	1034.74	931.74	832.83	727.49	613.96	469.99	357.63	306.13
90.0	1026.89	950.82	856.07	749.03	606.76	487.73	373.67	244.86	165.44
135.0	1134.81	1056.97	990.84	897.79	765.53	653.17	506.28	395.09	316.67
180.0	1327.93	1204.45	1122.52	1049.37	981.48	882.58	776.07	630.35	510.37
225.0	1160.15	1087.06	1033.33	947.07	845.06	732.76	587.27	470.29	335.28
270.0	1259.46	1131.88	1064.58	1015.42	916.52	810.01	701.16	552.51	434.88
315.0	1125.10	1065.69	1006.94	913.59	783.21	671.60	552.28	435.29	300.92
360.0	999.62	886.26	785.08	676.93	535.31	416.04	307.77	189.50	126.70

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	104.87	96.27	88.37	82.52	76.84	71.81	66.19	62.15	57.82
45.0	306.13	111.37	101.36	92.00	86.09	79.82	73.39	68.24	64.08
90.0	114.82	99.61	91.82	86.38	79.24	74.15	69.35	65.19	60.28
135.0	316.67	122.02	107.15	97.97	91.76	84.33	78.19	73.21	67.48
180.0	399.18	296.18	296.18	120.32	99.61	91.65	86.03	79.36	74.03
225.0	240.12	162.05	113.30	97.79	90.24	85.15	79.82	73.33	68.88
270.0	326.03	300.86	190.14	106.28	97.03	88.13	82.69	76.90	72.16
315.0	208.87	139.11	107.62	98.73	90.53	84.62	78.42	73.33	67.18
360.0	104.87	96.27	88.37	82.52	76.84	71.81	66.19	62.15	57.82

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	54.37	51.79	48.87	47.29	45.59	44.59	43.07	42.37	41.43
45.0	60.10	55.95	53.14	50.62	48.46	46.29	45.24	43.77	43.01
90.0	56.94	53.72	51.44	48.63	47.11	45.18	44.13	43.19	42.14
135.0	63.20	59.58	55.19	52.49	49.45	47.64	46.00	44.89	43.37
180.0	69.64	65.31	60.57	57.41	54.25	51.21	48.92	47.23	45.53
225.0	64.78	59.93	56.94	53.26	51.03	48.75	47.17	45.35	44.13
270.0	66.25	62.68	58.87	55.01	52.38	49.98	47.58	45.71	44.36
315.0	62.91	59.28	55.83	52.38	49.69	47.93	45.47	44.30	42.90
360.0	54.37	51.79	48.87	47.29	45.59	44.59	43.07	42.37	41.43

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	40.67	39.09	37.98	36.17	34.35	32.13	30.08	27.80	26.22
45.0	42.14	41.02	39.97	39.03	37.40	35.35	33.30	31.25	29.44
90.0	41.14	40.20	38.92	37.45	35.64	34.18	31.19	29.61	27.33
135.0	42.55	41.61	41.02	39.44	38.33	36.34	35.11	32.25	30.55
180.0	44.07	42.78	42.14	41.14	40.44	38.98	37.81	35.99	34.70
225.0	43.01	42.31	40.97	40.20	38.80	37.51	35.46	34.24	31.54
270.0	42.72	42.02	40.85	39.91	38.62	37.57	36.17	34.41	32.60
315.0	41.73	40.91	39.97	38.33	37.28	35.82	33.88	31.84	30.20
360.0	40.67	39.09	37.98	36.17	34.35	32.13	30.08	27.80	26.22

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.05	22.71	21.54	20.31	19.43	18.73	18.26	17.85	17.38
45.0	26.86	25.46	23.53	22.12	20.78	20.01	19.14	18.55	18.08
90.0	25.81	24.11	22.41	21.24	20.01	19.31	18.67	18.14	17.67
135.0	28.09	26.28	24.70	22.82	21.65	20.60	19.84	19.02	18.49
180.0	31.95	30.43	28.21	26.51	24.40	23.00	21.89	20.66	19.84
225.0	30.02	27.80	25.93	24.05	22.82	21.65	20.42	19.72	19.14
270.0	30.55	29.14	26.57	25.28	23.17	22.18	20.95	19.96	19.31
315.0	28.21	26.04	24.40	22.71	21.71	20.25	19.49	18.79	18.32
360.0	24.05	22.71	21.54	20.31	19.43	18.73	18.26	17.85	17.38

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.91	16.56	16.21	15.80	15.45	14.98	14.63	14.40	14.05
45.0	17.62	17.26	16.85	16.39	16.04	15.68	15.33	14.92	14.57
90.0	17.26	16.85	16.44	16.09	15.68	15.27	14.86	14.51	14.16
135.0	18.02	17.62	17.09	16.68	16.33	15.80	15.45	15.10	14.63
180.0	19.14	18.67	18.14	17.73	17.21	16.85	16.44	16.09	15.92
225.0	18.61	18.02	17.67	17.15	16.74	16.33	15.98	15.57	15.39
270.0	18.73	18.26	17.67	17.26	16.85	16.44	15.86	15.45	15.04
315.0	17.73	17.21	16.85	16.44	16.04	15.57	15.22	14.92	14.51
360.0	16.91	16.56	16.21	15.80	15.45	14.98	14.63	14.40	14.05

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.52	13.11	12.87	12.58	12.29	12.06	11.82	11.82	11.76
45.0	14.10	13.58	13.17	12.87	12.52	12.23	12.00	11.76	11.76
90.0	13.64	13.28	12.93	12.70	12.47	12.11	11.94	11.76	11.76
135.0	14.22	13.81	13.46	13.11	12.82	12.41	12.17	12.00	11.70
180.0	15.80	15.57	15.22	13.99	13.40	12.99	12.70	12.35	12.11
225.0	14.92	14.40	13.87	13.28	13.05	12.70	12.41	12.17	11.94
270.0	14.57	14.22	13.81	13.46	13.11	12.76	12.47	12.23	12.06
315.0	14.10	13.75	13.40	13.05	12.82	12.47	12.29	12.00	11.76
360.0	13.52	13.11	12.87	12.58	12.29	12.06	11.82	11.82	11.76

Intensity data(cd)

C/γ(°)	90.0
0.0	11.70
45.0	11.70
90.0	11.76
135.0	11.76
180.0	11.88
225.0	11.76
270.0	11.82
315.0	11.76
360.0	11.70