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NT

Client:
LumCAT: 2-2689-L
Luminaire: 92.70.412.00
Report No: 2024305-B025
Ballast type: AC

Test No: 2024305-C025	Voltage(V): 34.260
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.532
Lamp flux(lm): 3287.0	Power (W): 18.226
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2719.74, Efficiency(%): 82.74% , Luminous Efficacy(lm/W): 149.22
Central intensity(cd): 5132.482, Maximum intensity(cd): 5132.482
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=43.0
[C90/270]Total=43.0
Field angle(10%Imax): [C0/180]Total=66.6
[C90/270]Total=66.6
Maximum s/h(1/2): C0_180=0.69 C90_270=0.69
Maximum s/h(1/4): C0_180=0.68 C90_270=0.68
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.74%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.946%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5132.482	0.000	0	0.00%	0.00%
1.0	5128.458	4.910	4.91	0.15%	0.18%
2.0	5116.608	14.705	19.614	0.45%	0.72%
3.0	5095.027	24.423	44.037	0.74%	1.62%
4.0	5058.670	33.988	78.025	1.03%	2.87%
5.0	5007.317	43.303	121.328	1.32%	4.46%
6.0	4939.943	52.275	173.604	1.59%	6.38%
7.0	4855.963	60.803	234.407	1.85%	8.62%
8.0	4752.524	68.766	303.173	2.09%	11.15%
9.0	4638.771	76.111	379.284	2.32%	13.95%
10.0	4510.388	82.797	462.081	2.52%	16.99%
11.0	4364.447	88.678	550.759	2.70%	20.25%
12.0	4211.045	93.742	644.501	2.85%	23.70%
13.0	4044.110	97.968	742.469	2.98%	27.30%
14.0	3871.322	101.317	843.786	3.08%	31.02%
15.0	3705.337	104.016	947.801	3.16%	34.85%
16.0	3530.428	106.024	1053.826	3.23%	38.75%
17.0	3371.101	107.475	1161.301	3.27%	42.70%
18.0	3198.313	108.315	1269.616	3.30%	46.68%
19.0	3022.965	108.238	1377.854	3.29%	50.66%
20.0	2838.400	107.279	1485.133	3.26%	54.61%
21.0	2650.908	105.406	1590.539	3.21%	58.48%
22.0	2473.219	102.972	1693.511	3.13%	62.27%
23.0	2281.997	99.777	1793.288	3.04%	65.94%
24.0	2096.408	95.728	1889.015	2.91%	69.46%
25.0	1909.355	91.082	1980.098	2.77%	72.80%
26.0	1660.517	84.267	2064.365	2.56%	75.90%
27.0	1497.108	77.252	2141.617	2.35%	78.74%
28.0	1281.116	70.339	2211.956	2.14%	81.33%
29.0	1149.506	63.592	2275.548	1.93%	83.67%
30.0	978.672	57.460	2333.008	1.75%	85.78%
31.0	818.488	50.012	2383.02	1.52%	87.62%
32.0	674.238	42.765	2425.785	1.30%	89.19%
33.0	542.540	35.847	2461.632	1.09%	90.51%
34.0	433.549	29.539	2491.171	0.90%	91.60%
35.0	341.237	24.062	2515.233	0.73%	92.48%
36.0	282.986	19.875	2535.109	0.60%	93.21%
37.0	233.922	16.859	2551.967	0.51%	93.83%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	187.960	14.082	2566.049	0.43%	94.35%
39.0	131.010	10.887	2576.937	0.33%	94.75%
40.0	106.599	8.287	2585.224	0.25%	95.05%
41.0	88.940	6.963	2592.187	0.21%	95.31%
42.0	76.899	6.025	2598.212	0.18%	95.53%
43.0	68.252	5.377	2603.589	0.16%	95.73%
44.0	61.756	4.907	2608.495	0.15%	95.91%
45.0	57.389	4.579	2613.074	0.14%	96.08%
46.0	53.797	4.348	2617.422	0.13%	96.24%
47.0	50.585	4.152	2621.574	0.13%	96.39%
48.0	47.959	3.984	2625.558	0.12%	96.54%
49.0	45.640	3.844	2629.401	0.12%	96.68%
50.0	43.460	3.715	2633.116	0.11%	96.82%
51.0	41.383	3.590	2636.706	0.11%	96.95%
52.0	39.400	3.466	2640.172	0.11%	97.07%
53.0	37.571	3.348	2643.521	0.10%	97.20%
54.0	35.713	3.230	2646.751	0.10%	97.32%
55.0	34.119	3.117	2649.868	0.09%	97.43%
56.0	32.473	3.009	2652.877	0.09%	97.54%
57.0	31.039	2.904	2655.781	0.09%	97.65%
58.0	29.612	2.805	2658.586	0.09%	97.75%
59.0	28.215	2.703	2661.289	0.08%	97.85%
60.0	26.774	2.598	2663.887	0.08%	97.95%
61.0	25.465	2.493	2666.38	0.08%	98.04%
62.0	24.067	2.387	2668.767	0.07%	98.13%
63.0	22.787	2.279	2671.045	0.07%	98.21%
64.0	21.551	2.176	2673.221	0.07%	98.29%
65.0	20.549	2.083	2675.305	0.06%	98.37%
66.0	19.788	2.013	2677.317	0.06%	98.44%
67.0	19.334	1.967	2679.284	0.06%	98.51%
68.0	19.100	1.947	2681.231	0.06%	98.58%
69.0	19.078	1.948	2683.179	0.06%	98.66%
70.0	19.217	1.967	2685.146	0.06%	98.73%
71.0	19.371	1.994	2687.14	0.06%	98.80%
72.0	19.473	2.020	2689.16	0.06%	98.88%
73.0	19.642	2.045	2691.205	0.06%	98.95%
74.0	19.393	2.052	2693.258	0.06%	99.03%
75.0	19.151	2.037	2695.294	0.06%	99.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.852	2.017	2697.311	0.06%	99.18%
77.0	18.486	1.991	2699.302	0.06%	99.25%
78.0	18.083	1.958	2701.26	0.06%	99.32%
79.0	17.593	1.917	2703.177	0.06%	99.39%
80.0	16.957	1.863	2705.039	0.06%	99.46%
81.0	16.167	1.791	2706.831	0.05%	99.53%
82.0	15.223	1.702	2708.533	0.05%	99.59%
83.0	14.543	1.618	2710.151	0.05%	99.65%
84.0	13.892	1.549	2711.7	0.05%	99.70%
85.0	13.160	1.476	2713.176	0.04%	99.76%
86.0	12.524	1.404	2714.58	0.04%	99.81%
87.0	12.012	1.343	2715.923	0.04%	99.86%
88.0	11.624	1.295	2717.218	0.04%	99.91%
89.0	11.492	1.267	2718.485	0.04%	99.95%
90.0	11.397	1.255	2719.74	0.04%	100.00%

Zonal flux distribution table

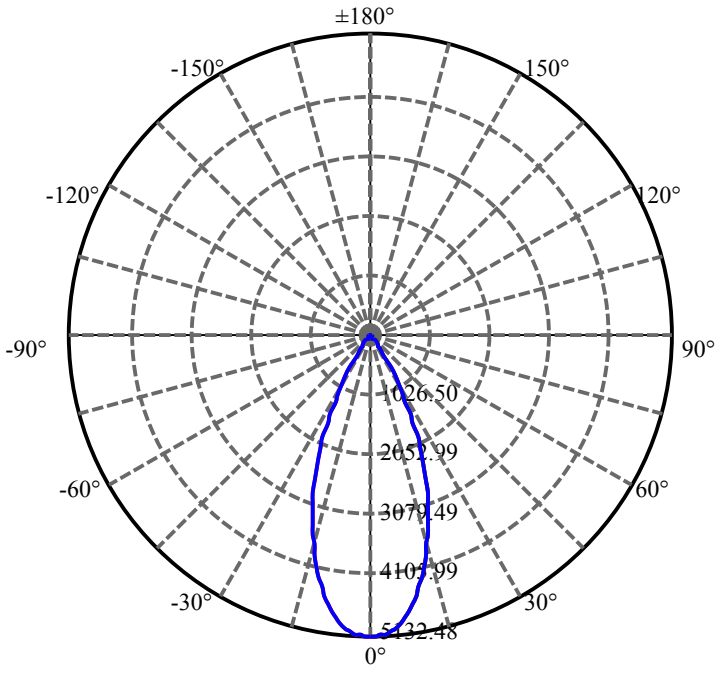
ZONAL LUMEN SUMMARY

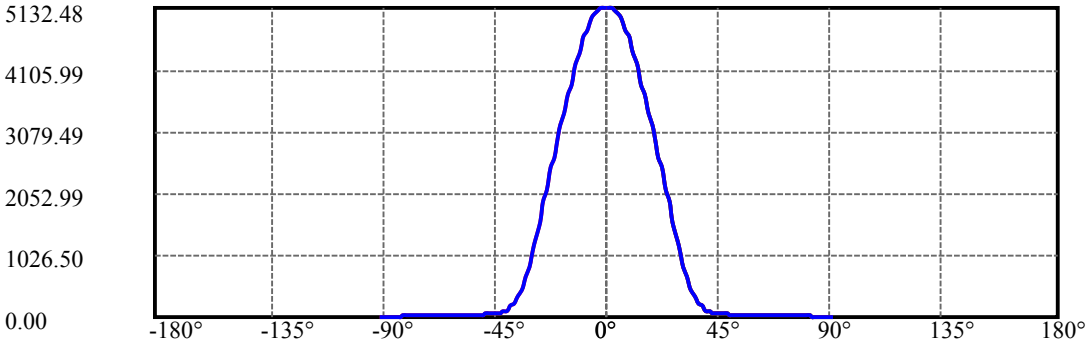
Zone	Lumens	%Lamp	%Fixt
0-30	2333.01	70.98%	85.78%
0-40	2585.22	78.65%	95.05%
0-60	2663.89	81.04%	97.95%
0-90	2718.48	82.70%	99.95%
0-120	2718.48	82.70%	99.95%
0-180	2719.74	82.74%	100.00%
60-90	54.60	1.66%	2.01%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.49	2175.79	66.19%	80.00%

ZONAL LUMEN SUMMARY

0-10	462.08
10-20	1023.05
20-30	847.87
30-40	252.22
40-50	47.89
50-60	30.77
60-70	21.26
70-80	19.89
80-90	13.45
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):

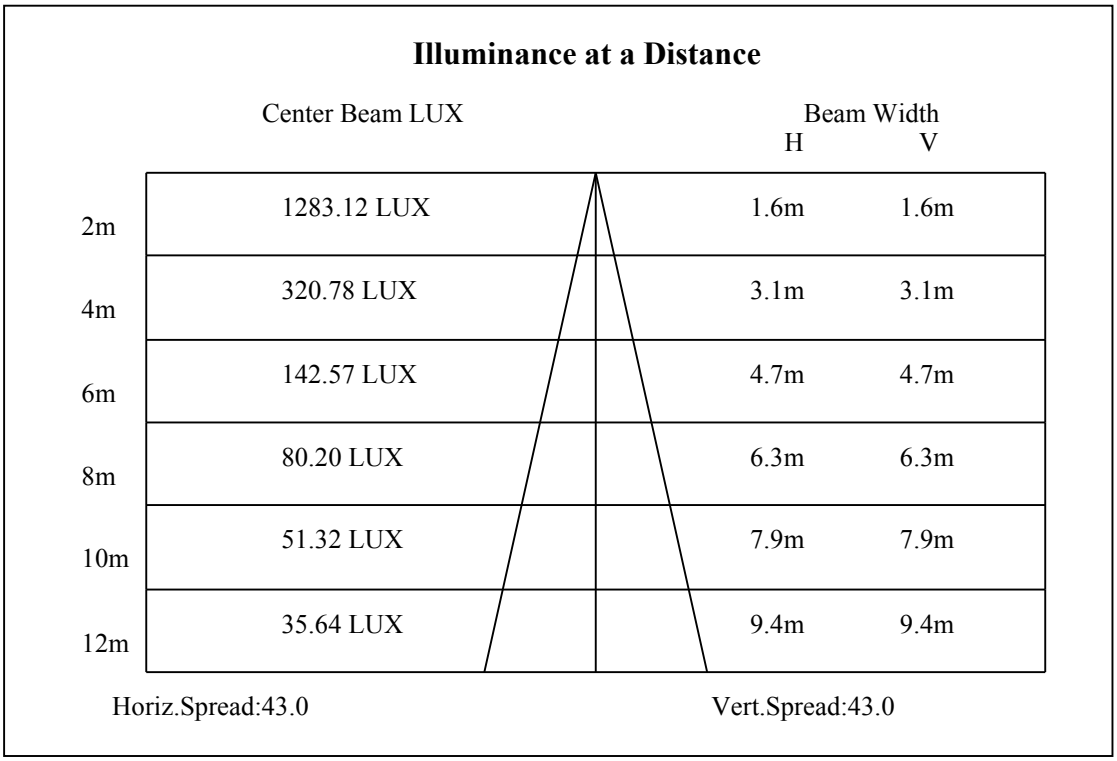
C0/C180:

C90/C270:

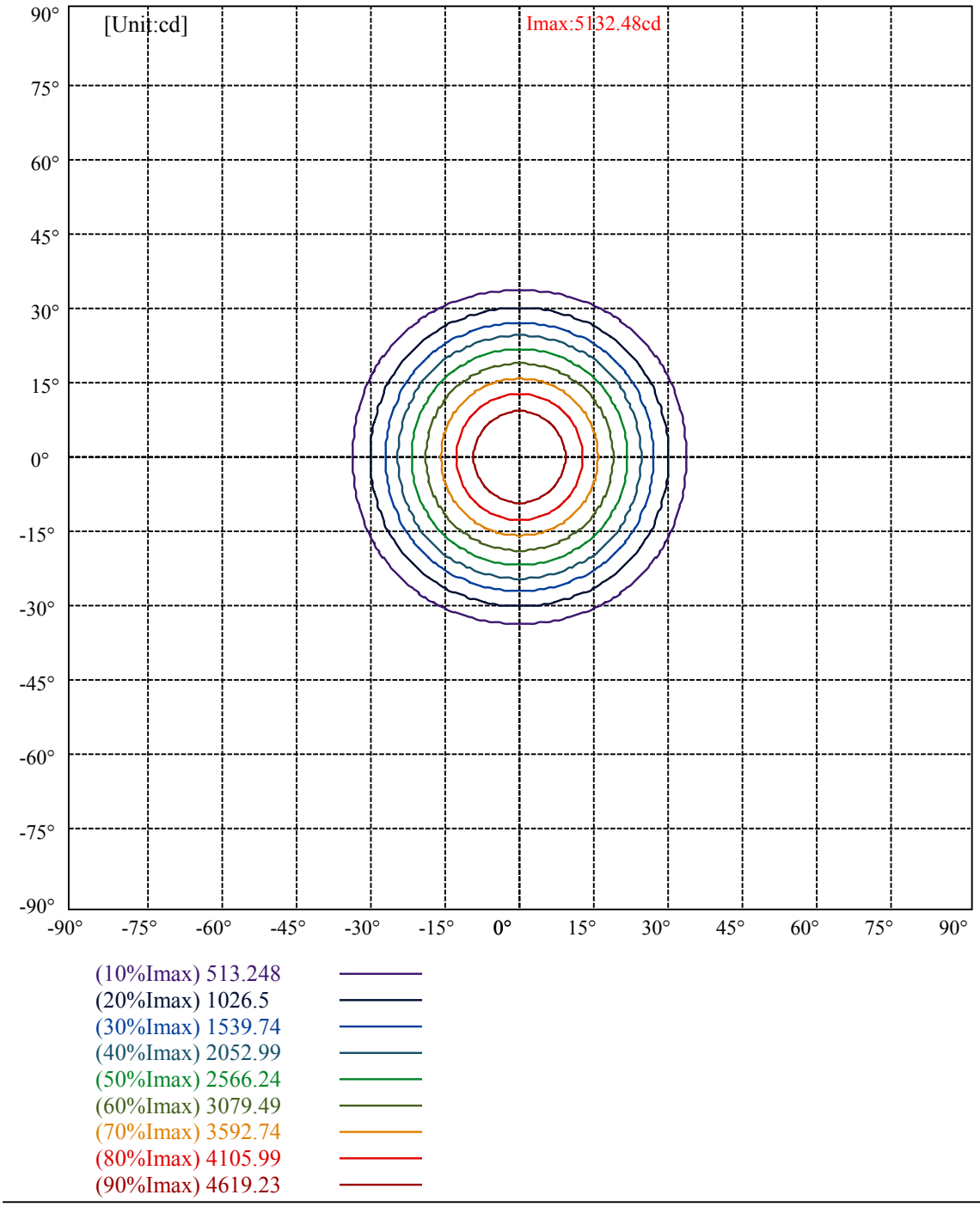
Field angle(10%Imax):C0/180Left:33.3 Right:33.3
:C90/270Left:33.3 Right:33.3

Beam Angle(50%Imax):C0/180Left:21.5 Right:21.5
:C90/270Left:21.5 Right:21.5

Lux distance Curve



ISO-Intensity(V-H)

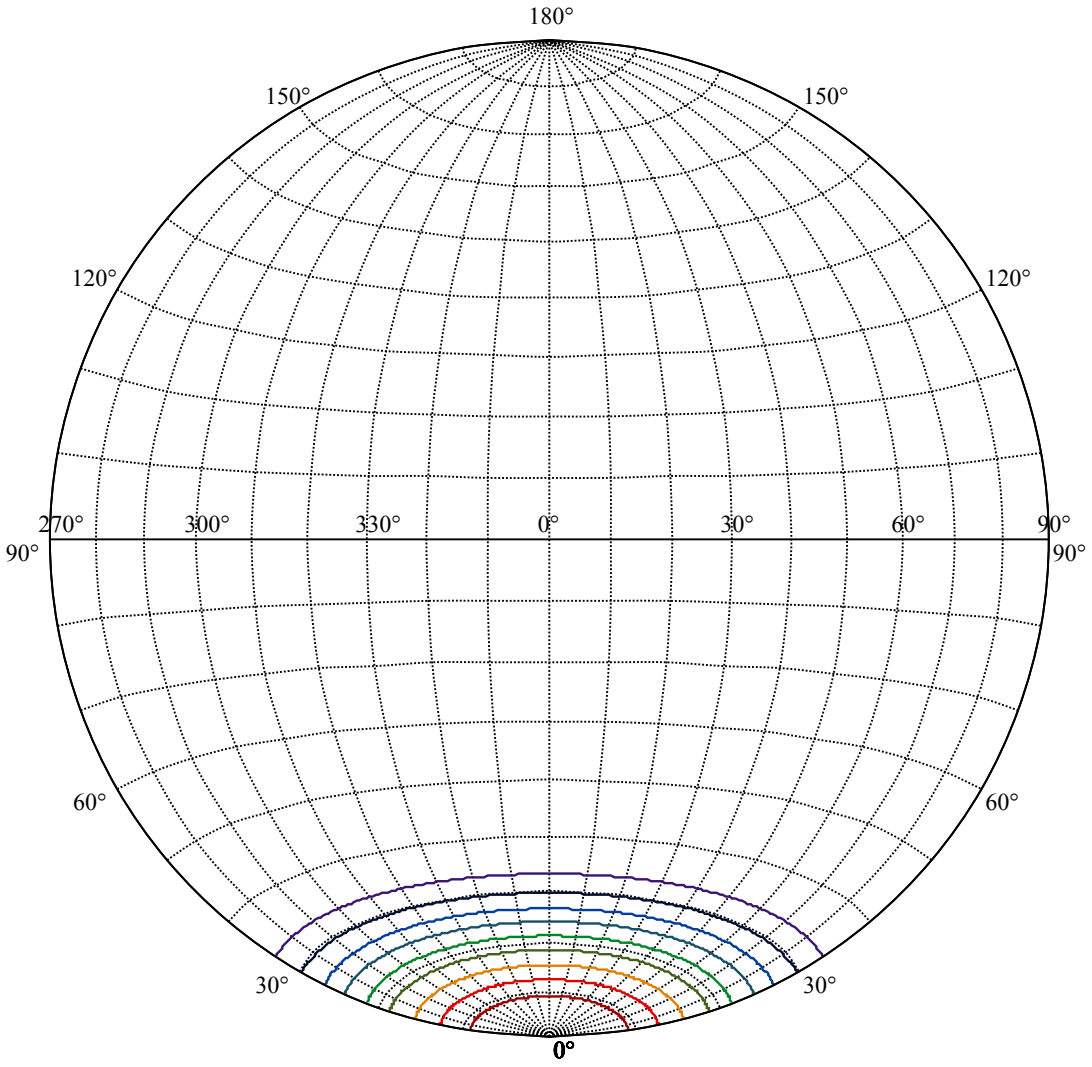


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



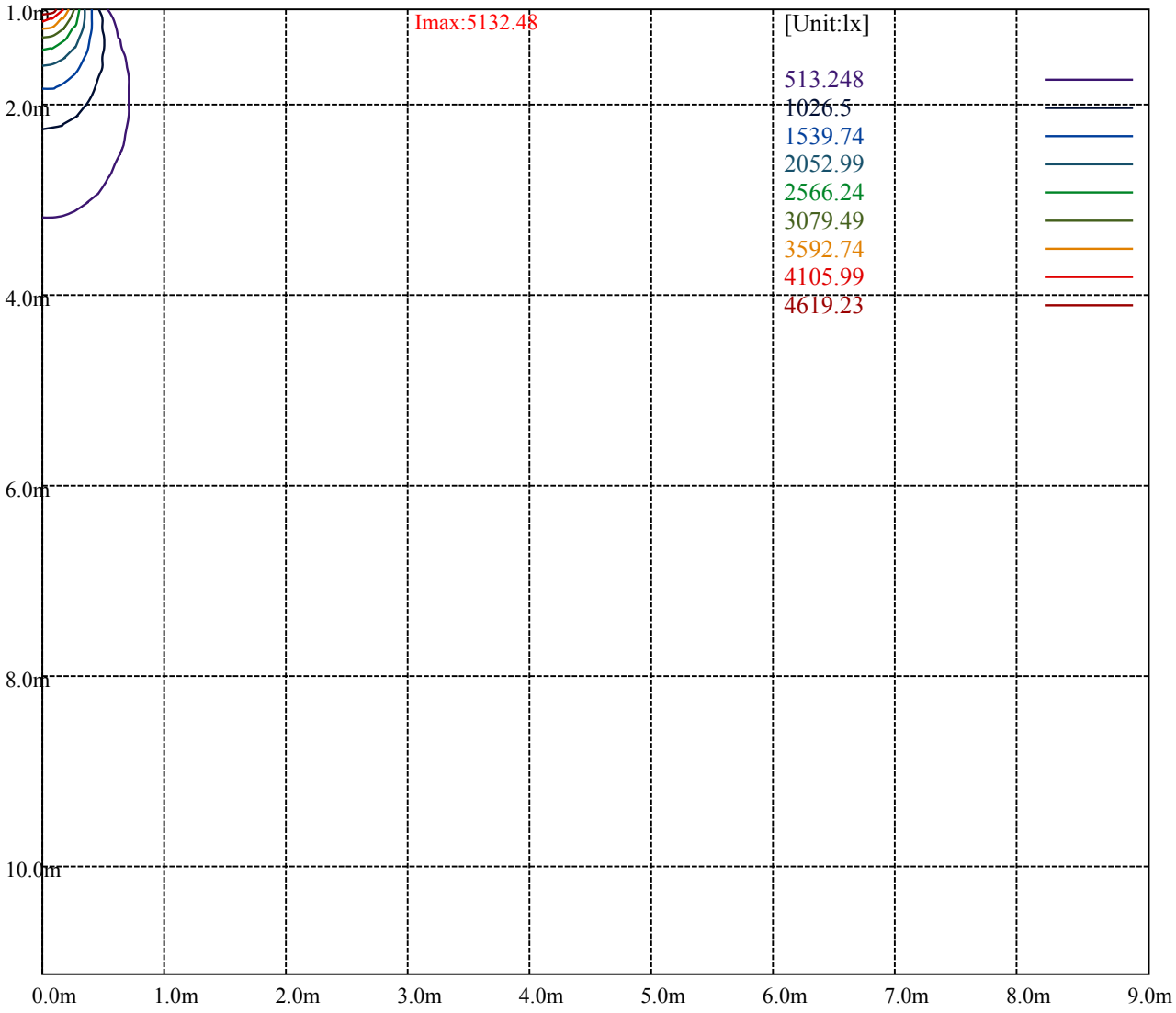
House [Unit:cd] Road

Imax:5132.48

(10%Imax) 513.248
(20%Imax) 1026.5
(30%Imax) 1539.74
(40%Imax) 2052.99
(50%Imax) 2566.24
(60%Imax) 3079.49
(70%Imax) 3592.74
(80%Imax) 4105.99
(90%Imax) 4619.23

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

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

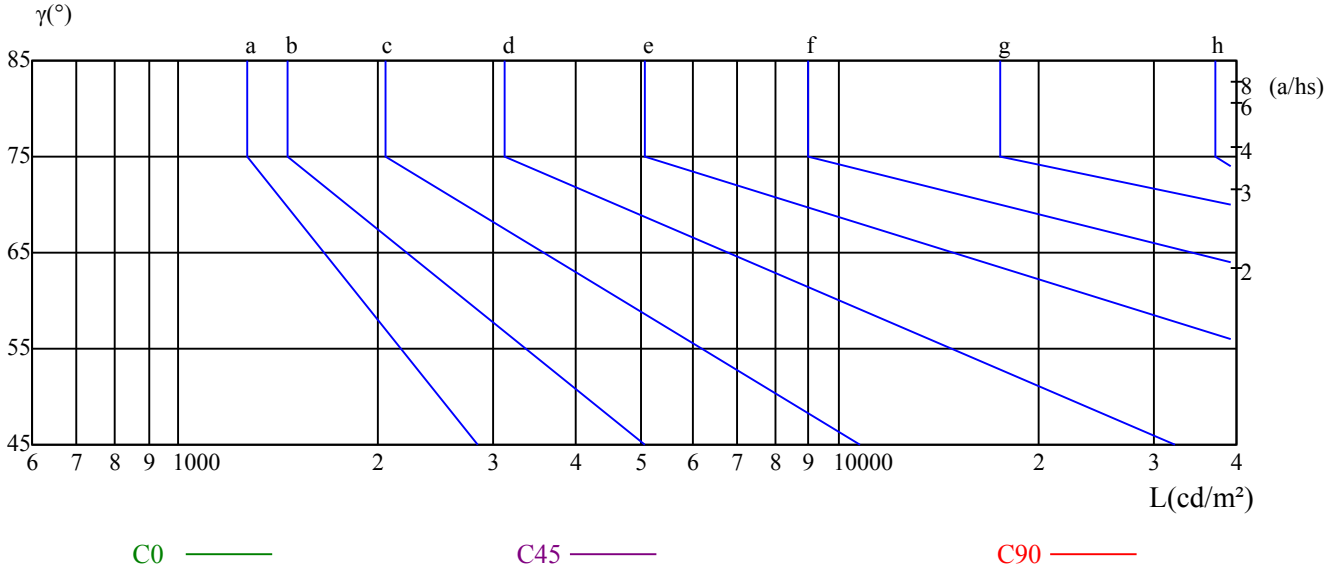
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

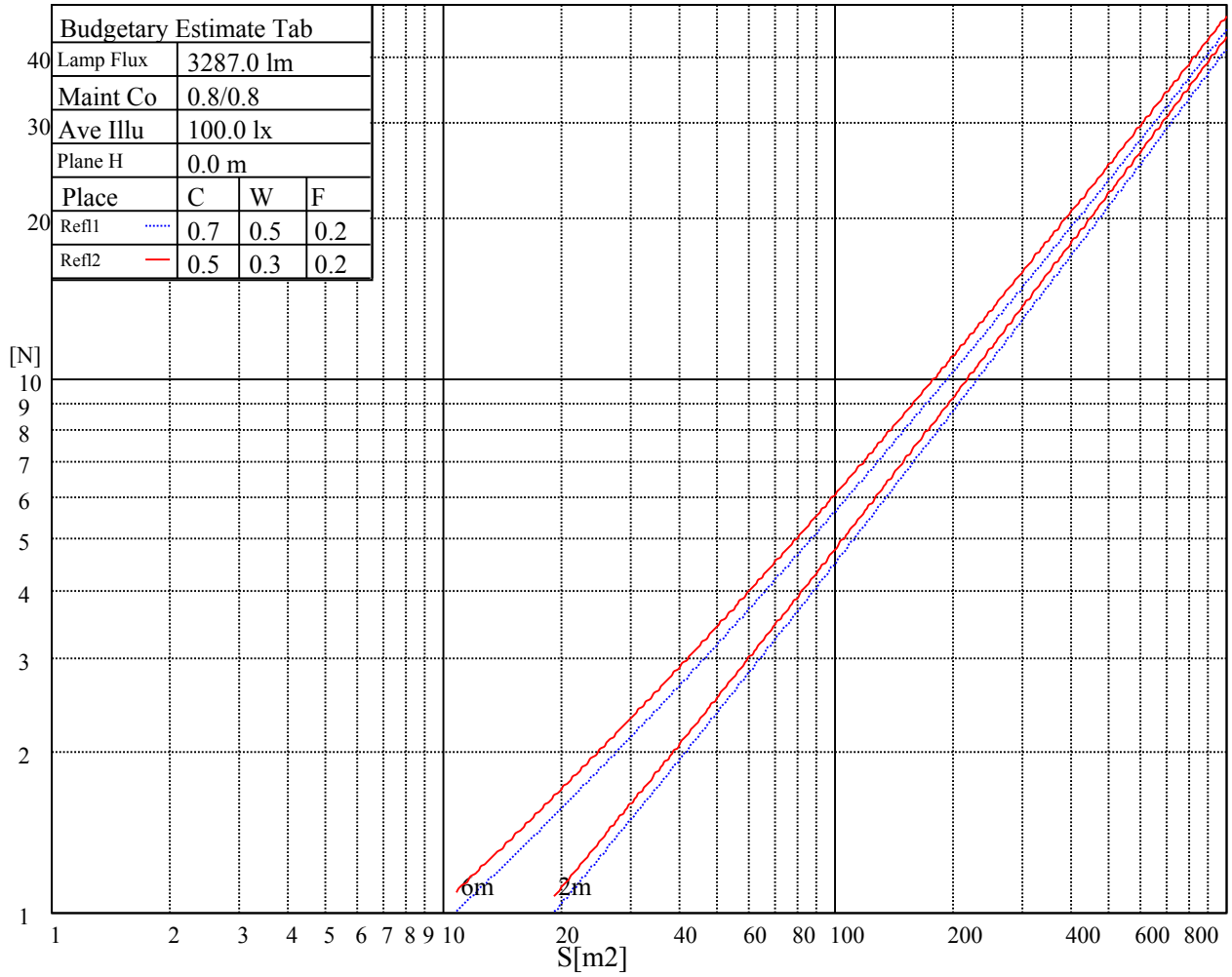
Luminance Limitting Curve



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

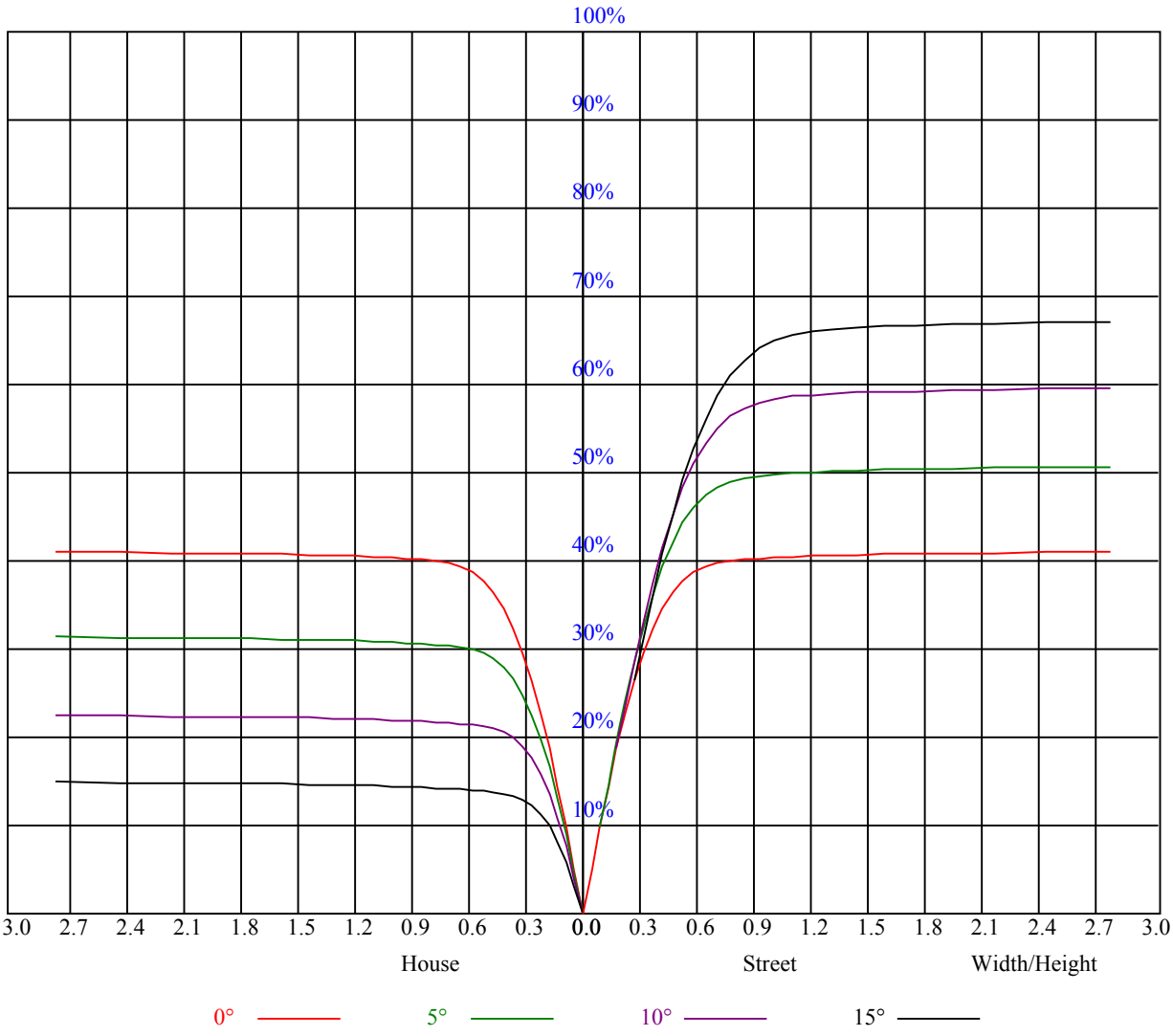


Equipment: GMS1980 Date: 2024/3/05 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

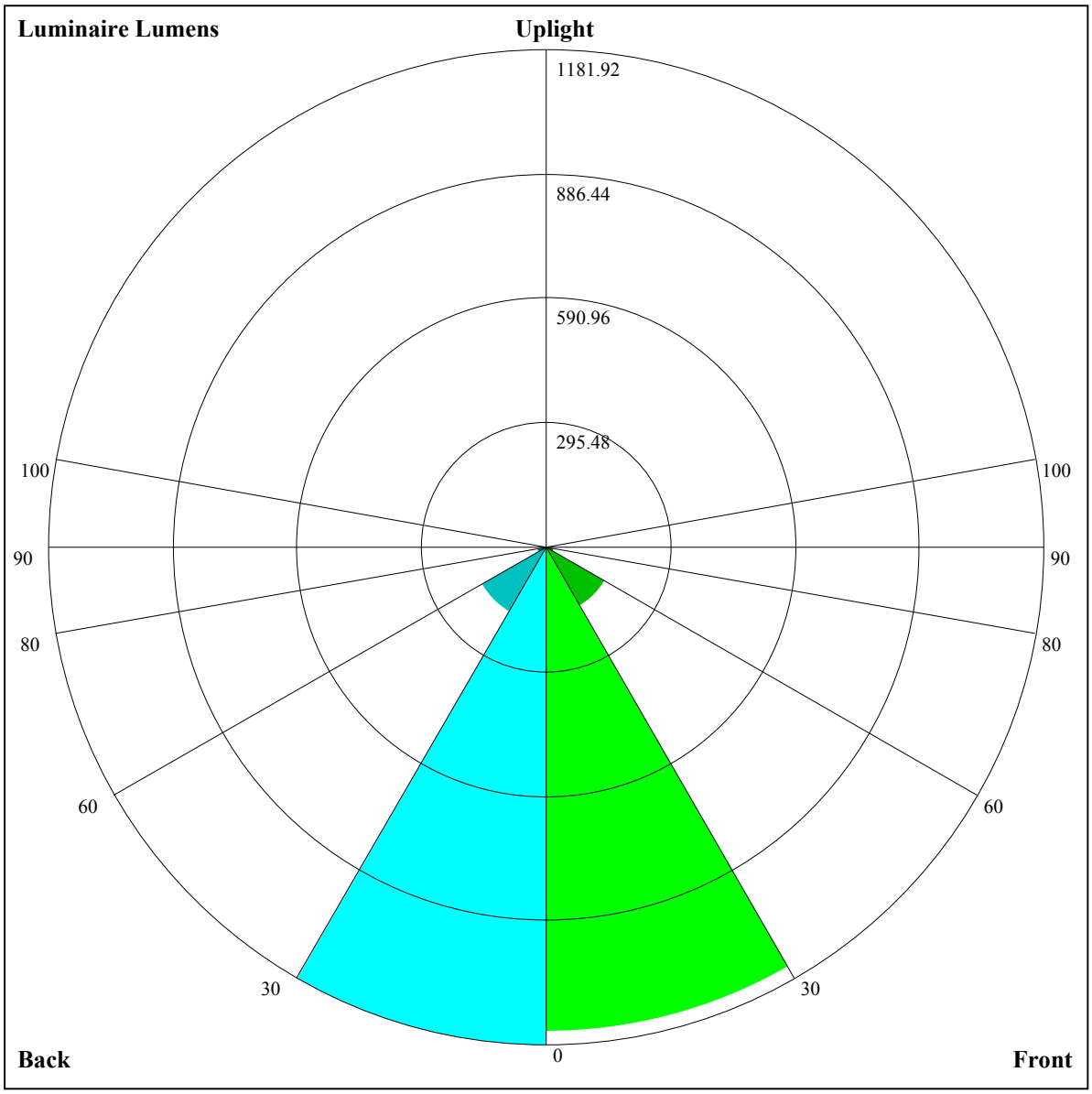
Utilization factor table for indoor luminaire

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	0.99	0.99	0.99	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.83	0.82	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	0.78	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	0.72	0.71	0.69
4	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.69	0.66	0.64	0.68	0.66	0.63	0.62
6	0.69	0.65	0.62	0.69	0.65	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.62	0.60	0.59
7	0.66	0.62	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.56
8	0.63	0.59	0.56	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.52	0.51
10	0.58	0.53	0.51	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.53	0.50	0.55	0.52	0.50	0.49

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=1149.53,FM=160.56,FH=19.81,FVH=7.23
BL=1181.92,BM=175.58,BH=21.39,BVH=7.5
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	5122.53	5106.73	5077.47	5040.02	4976.81	4912.44	4836.94	4746.23	4606.95
45.0	5134.24	5125.46	5104.39	5073.37	5036.50	4973.89	4905.41	4824.65	4714.05
90.0	5134.82	5113.17	5080.98	5035.33	4961.60	4890.78	4784.86	4686.54	4577.10
135.0	5138.33	5136.58	5129.56	5104.39	5061.67	5005.49	4929.41	4817.63	4714.63
180.0	5122.53	5131.90	5134.82	5135.99	5124.29	5097.37	5055.82	4985.01	4907.17
225.0	5134.24	5137.75	5134.82	5121.36	5097.37	5053.48	4976.23	4899.56	4803.00
270.0	5134.82	5138.33	5141.85	5137.16	5126.63	5097.37	5059.33	4988.52	4911.85
315.0	5138.33	5137.75	5128.97	5112.58	5084.49	5027.73	4971.54	4899.56	4785.44
360.0	5122.53	5106.73	5077.47	5040.02	4976.81	4912.44	4836.94	4746.23	4606.95

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4485.22	4347.11	4158.08	4004.17	3806.95	3649.52	3492.10	3338.18	3141.55
45.0	4612.80	4497.51	4367.01	4185.00	4030.50	3874.83	3714.48	3519.02	3366.86
90.0	4454.79	4286.25	4141.70	3988.37	3831.53	3630.79	3475.71	3321.21	3166.13
135.0	4574.18	4449.52	4311.41	4129.99	3971.98	3812.80	3649.52	3447.62	3297.22
180.0	4787.20	4678.35	4558.96	4426.12	4242.35	4085.51	3924.58	3756.03	3600.95
225.0	4698.24	4545.50	4410.90	4268.69	4079.66	3916.97	3710.39	3553.54	3396.12
270.0	4818.22	4716.39	4569.50	4432.55	4289.17	4093.12	3931.01	3720.92	3569.93
315.0	4679.52	4562.47	4398.02	4253.47	4100.73	3907.02	3744.91	3586.90	3430.06
360.0	4485.22	4347.11	4158.08	4004.17	3806.95	3649.52	3492.10	3338.18	3141.55

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2974.17	2803.87	2631.23	2418.21	2244.40	2065.90	1886.82	1665.02	1344.32
45.0	3214.70	3011.63	2843.67	2631.82	2464.44	2291.21	2068.83	1887.99	1707.75
90.0	2963.64	2795.09	2577.97	2409.43	2239.13	2019.08	1841.18	1667.95	1143.24
135.0	3146.23	2978.85	2768.17	2600.21	2431.08	2223.91	2047.76	1871.61	1652.73
180.0	3403.73	3246.89	3090.05	2877.61	2696.19	2496.63	2323.99	2146.08	1931.30
225.0	3236.94	3028.01	2853.03	2678.05	2507.16	2291.80	2120.33	1947.10	1768.61
270.0	3411.34	3250.98	3045.57	2870.00	2699.12	2532.33	2321.06	2147.83	1971.10
315.0	3235.77	3068.39	2897.51	2721.94	2504.24	2335.11	2161.29	1941.25	1765.10
360.0	2974.17	2803.87	2631.23	2418.21	2244.40	2065.90	1886.82	1665.02	1344.32

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1131.42	1089.69	930.98	752.60	620.28	504.00	383.32	305.43	242.46
45.0	1524.57	1297.50	1125.45	968.02	825.23	657.27	539.05	436.05	330.71
90.0	1143.24	1100.69	938.06	793.16	629.35	511.25	411.76	311.87	248.60
135.0	1480.68	1306.28	1089.75	932.91	787.77	654.34	508.03	410.30	330.13
180.0	1764.51	1584.26	1419.81	1201.53	1018.35	866.19	721.06	563.04	454.19
225.0	1551.49	1155.99	1155.99	987.74	834.94	663.41	540.75	435.93	331.59
270.0	1796.70	1574.31	1395.82	1176.36	1005.48	847.46	670.14	546.66	441.32
315.0	1584.26	1140.19	1140.19	1017.06	826.51	689.98	566.21	459.11	350.90
360.0	1131.42	1089.69	930.98	752.60	620.28	504.00	383.32	305.43	242.46

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	192.25	144.32	116.58	96.62	82.52	70.64	64.14	59.11	54.48
45.0	295.01	295.01	151.63	121.38	99.61	81.87	72.57	65.84	60.69
90.0	198.74	150.93	122.66	98.43	85.15	75.14	67.36	61.74	56.65
135.0	311.98	235.08	153.50	124.01	98.79	84.92	72.80	65.55	60.16
180.0	365.24	309.64	309.64	174.16	134.37	111.49	94.57	79.71	71.05
225.0	265.11	211.97	169.95	129.80	106.92	90.24	78.54	68.82	63.09
270.0	354.12	299.69	299.69	167.37	134.84	105.34	88.90	77.43	67.42
315.0	281.43	224.73	180.02	136.30	110.61	91.88	76.31	67.83	60.51
360.0	192.25	144.32	116.58	96.62	82.52	70.64	64.14	59.11	54.48

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	51.44	48.87	46.00	43.95	42.08	40.20	38.04	36.46	34.94
45.0	56.12	52.90	50.21	47.75	45.00	43.01	41.14	38.86	37.10
90.0	53.43	50.56	48.05	45.18	43.07	41.20	38.98	37.28	35.29
135.0	56.59	52.90	50.10	47.64	45.30	42.66	40.73	38.98	36.87
180.0	64.49	59.63	55.13	52.14	49.51	47.11	44.48	42.37	40.44
225.0	58.93	54.78	51.97	48.87	46.64	44.54	42.60	40.26	38.51
270.0	61.68	57.59	53.49	50.80	48.40	45.76	43.77	41.90	40.03
315.0	56.42	53.14	49.74	47.34	45.12	43.19	41.32	39.09	37.40
360.0	51.44	48.87	46.00	43.95	42.08	40.20	38.04	36.46	34.94

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	33.07	31.66	30.26	28.68	27.39	26.10	24.58	23.35	22.12
45.0	35.17	33.71	32.30	30.96	29.44	28.09	26.74	25.34	23.70
90.0	33.77	32.25	30.55	29.26	27.97	26.63	24.93	23.70	22.36
135.0	35.23	33.65	31.84	30.43	29.14	27.51	26.16	24.87	23.35
180.0	38.16	36.52	34.59	33.12	31.78	30.08	28.85	27.56	26.28
225.0	36.81	35.23	33.30	31.84	30.49	29.20	27.62	26.39	24.76
270.0	37.75	36.11	34.59	33.12	31.37	30.02	28.79	27.27	25.98
315.0	35.76	33.83	32.36	30.90	29.32	28.09	26.51	25.22	23.99
360.0	33.07	31.66	30.26	28.68	27.39	26.10	24.58	23.35	22.12

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.66	19.78	19.14	18.67	18.14	17.79	17.50	17.21	16.91
45.0	22.47	21.19	20.25	19.37	18.96	18.96	19.61	20.37	20.13
90.0	21.13	20.01	19.37	18.90	18.61	18.61	18.73	19.08	19.02
135.0	22.18	20.95	20.07	19.37	18.90	18.49	18.20	17.79	17.56
180.0	25.05	23.53	22.30	21.19	20.31	19.78	19.43	19.43	20.31
225.0	23.58	22.41	21.13	20.72	20.95	21.24	21.54	22.24	23.23
270.0	24.35	23.17	21.95	20.66	19.96	19.61	19.72	20.01	20.48
315.0	22.88	21.36	20.19	19.43	18.84	18.32	17.91	17.62	17.32
360.0	20.66	19.78	19.14	18.67	18.14	17.79	17.50	17.21	16.91

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.68	16.50	16.27	16.15	15.92	15.80	15.63	15.39	15.16
45.0	19.72	19.78	18.55	18.55	17.62	17.15	16.44	15.98	15.51
90.0	18.61	18.08	17.73	17.09	16.74	16.15	15.68	15.45	15.22
135.0	17.26	17.03	16.85	16.62	16.44	16.21	16.04	15.80	15.57
180.0	21.83	23.76	24.11	23.88	24.40	24.58	24.35	23.53	21.59
225.0	23.70	23.76	23.70	23.12	22.47	21.59	20.72	19.55	18.67
270.0	20.95	21.48	21.42	21.42	20.95	20.37	19.84	19.25	18.26
315.0	17.03	16.74	16.50	16.39	16.27	16.04	15.98	15.80	15.68
360.0	16.68	16.50	16.27	16.15	15.92	15.80	15.63	15.39	15.16

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.81	14.22	13.69	12.93	12.23	11.76	11.59	11.35	11.35
45.0	15.16	14.75	14.10	13.52	12.82	12.06	11.82	11.53	11.29
90.0	14.75	14.22	13.58	12.93	12.35	12.11	11.88	11.35	11.47
135.0	15.33	14.86	14.40	13.75	12.99	12.41	12.17	11.65	11.41
180.0	20.07	16.68	15.22	14.81	14.10	13.52	12.52	12.00	11.76
225.0	16.21	15.39	14.75	14.16	13.34	12.58	11.88	11.65	11.47
270.0	17.50	16.44	15.74	14.86	14.05	13.17	12.29	11.76	11.59
315.0	15.51	15.22	14.86	14.16	13.40	12.58	11.94	11.70	11.59
360.0	14.81	14.22	13.69	12.93	12.23	11.76	11.59	11.35	11.35

Intensity data(cd)

C/γ(°)	90.0
0.0	11.35
45.0	11.35
90.0	11.47
135.0	11.59
180.0	11.35
225.0	11.35
270.0	11.35
315.0	11.35
360.0	11.35