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NT

Client:
LumCAT: 3-2835-L
Luminaire: 92.70.412.00
Report No: 2024308-B009
Ballast type: AC

Test No: 2024308-C009	Voltage(V): 34.200
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.530
Lamp flux(lm): 3273.0	Power (W): 18.126
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2767.63, Efficiency(%): 84.56% , Luminous Efficacy(lm/W): 152.69
Central intensity(cd): 4960.718, Maximum intensity(cd): 4961.231
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=44.0
[C90/270]Total=44.0
Field angle(10%Imax): [C0/180]Total=67.2
[C90/270]Total=67.2
Maximum s/h(1/2): C0_180=0.72 C90_270=0.72
Maximum s/h(1/4): C0_180=0.69 C90_270=0.69
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.56%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.726%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4960.718	0.000	0	0.00%	0.00%
1.0	4961.230	4.747	4.747	0.15%	0.17%
2.0	4960.938	14.241	18.989	0.44%	0.69%
3.0	4958.524	23.724	42.713	0.72%	1.54%
4.0	4949.306	33.165	75.877	1.01%	2.74%
5.0	4928.823	42.495	118.373	1.30%	4.28%
6.0	4892.466	51.613	169.986	1.58%	6.14%
7.0	4837.528	60.394	230.38	1.85%	8.32%
8.0	4772.861	68.780	299.16	2.10%	10.81%
9.0	4686.979	76.667	375.827	2.34%	13.58%
10.0	4598.610	84.031	459.858	2.57%	16.62%
11.0	4487.637	90.790	550.648	2.77%	19.90%
12.0	4368.983	96.816	647.464	2.96%	23.39%
13.0	4234.235	102.099	749.562	3.12%	27.08%
14.0	4079.296	106.412	855.975	3.25%	30.93%
15.0	3909.508	109.674	965.648	3.35%	34.89%
16.0	3718.286	111.769	1077.417	3.41%	38.93%
17.0	3540.670	113.041	1190.458	3.45%	43.01%
18.0	3335.475	113.373	1303.831	3.46%	47.11%
19.0	3122.819	112.361	1416.192	3.43%	51.17%
20.0	2903.360	110.296	1526.488	3.37%	55.16%
21.0	2688.143	107.368	1633.856	3.28%	59.03%
22.0	2477.609	103.808	1737.664	3.17%	62.79%
23.0	2268.756	99.592	1837.256	3.04%	66.38%
24.0	2060.270	94.648	1931.904	2.89%	69.80%
25.0	1876.436	89.512	2021.416	2.73%	73.04%
26.0	1673.853	83.805	2105.221	2.56%	76.07%
27.0	1499.690	77.641	2182.862	2.37%	78.87%
28.0	1324.247	71.496	2254.358	2.18%	81.45%
29.0	1179.163	65.496	2319.855	2.00%	83.82%
30.0	1045.760	60.072	2379.927	1.84%	85.99%
31.0	875.380	53.463	2433.39	1.63%	87.92%
32.0	725.701	45.869	2479.259	1.40%	89.58%
33.0	577.719	38.399	2517.658	1.17%	90.97%
34.0	439.255	30.777	2548.435	0.94%	92.08%
35.0	324.412	23.717	2572.151	0.72%	92.94%
36.0	248.779	18.251	2590.402	0.56%	93.60%
37.0	171.076	13.693	2604.095	0.42%	94.09%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	125.589	9.902	2613.998	0.30%	94.45%
39.0	91.946	7.425	2621.423	0.23%	94.72%
40.0	74.309	5.798	2627.221	0.18%	94.93%
41.0	68.764	5.095	2632.316	0.16%	95.11%
42.0	64.499	4.842	2637.157	0.15%	95.29%
43.0	61.507	4.668	2641.825	0.14%	95.45%
44.0	58.669	4.536	2646.361	0.14%	95.62%
45.0	56.160	4.413	2650.774	0.13%	95.78%
46.0	53.746	4.298	2655.072	0.13%	95.93%
47.0	51.566	4.189	2659.261	0.13%	96.08%
48.0	49.430	4.083	2663.343	0.12%	96.23%
49.0	47.608	3.985	2667.328	0.12%	96.38%
50.0	45.830	3.896	2671.224	0.12%	96.52%
51.0	44.221	3.810	2675.034	0.12%	96.65%
52.0	42.539	3.723	2678.757	0.11%	96.79%
53.0	40.724	3.622	2682.379	0.11%	96.92%
54.0	39.020	3.515	2685.894	0.11%	97.05%
55.0	37.118	3.399	2689.292	0.10%	97.17%
56.0	35.501	3.281	2692.574	0.10%	97.29%
57.0	33.877	3.172	2695.746	0.10%	97.40%
58.0	32.509	3.070	2698.816	0.09%	97.51%
59.0	31.192	2.978	2701.794	0.09%	97.62%
60.0	30.059	2.894	2704.688	0.09%	97.73%
61.0	28.939	2.816	2707.503	0.09%	97.83%
62.0	27.988	2.743	2710.246	0.08%	97.93%
63.0	27.140	2.681	2712.927	0.08%	98.02%
64.0	26.225	2.619	2715.546	0.08%	98.12%
65.0	25.238	2.547	2718.093	0.08%	98.21%
66.0	24.162	2.465	2720.558	0.08%	98.30%
67.0	23.358	2.389	2722.947	0.07%	98.39%
68.0	22.795	2.338	2725.285	0.07%	98.47%
69.0	22.560	2.314	2727.599	0.07%	98.55%
70.0	22.414	2.310	2729.909	0.07%	98.64%
71.0	22.312	2.312	2732.22	0.07%	98.72%
72.0	22.173	2.313	2734.533	0.07%	98.80%
73.0	21.997	2.310	2736.843	0.07%	98.89%
74.0	21.770	2.301	2739.144	0.07%	98.97%
75.0	21.412	2.282	2741.426	0.07%	99.05%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.988	2.251	2743.676	0.07%	99.13%
77.0	20.439	2.209	2745.885	0.07%	99.21%
78.0	19.854	2.157	2748.042	0.07%	99.29%
79.0	19.217	2.099	2750.141	0.06%	99.37%
80.0	18.515	2.034	2752.175	0.06%	99.44%
81.0	17.725	1.960	2754.135	0.06%	99.51%
82.0	16.789	1.872	2756.007	0.06%	99.58%
83.0	15.706	1.766	2757.773	0.05%	99.64%
84.0	14.609	1.651	2759.425	0.05%	99.70%
85.0	13.446	1.531	2760.956	0.05%	99.76%
86.0	12.634	1.426	2762.381	0.04%	99.81%
87.0	12.136	1.356	2763.737	0.04%	99.86%
88.0	11.873	1.315	2765.052	0.04%	99.91%
89.0	11.734	1.294	2766.346	0.04%	99.95%
90.0	11.668	1.283	2767.629	0.04%	100.00%

Zonal flux distribution table

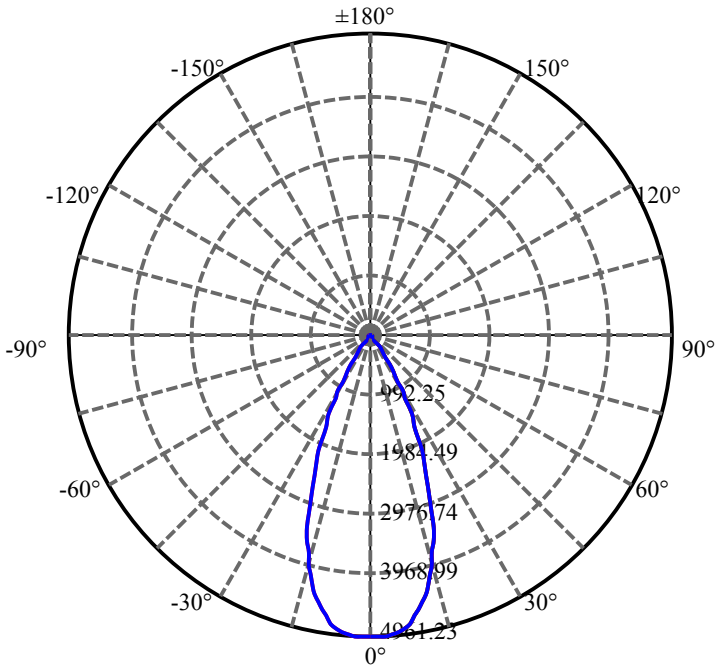
ZONAL LUMEN SUMMARY

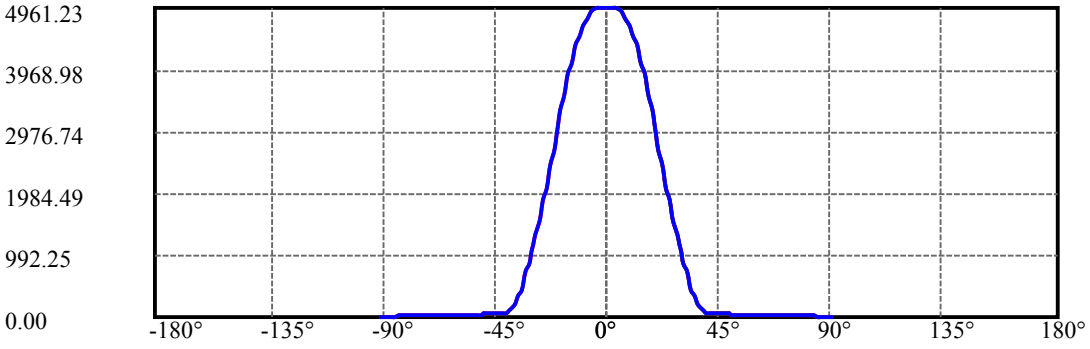
Zone	Lumens	%Lamp	%Fixt
0-30	2379.93	72.71%	85.99%
0-40	2627.22	80.27%	94.93%
0-60	2704.69	82.64%	97.73%
0-90	2766.35	84.52%	99.95%
0-120	2766.35	84.52%	99.95%
0-180	2767.63	84.56%	100.00%
60-90	61.66	1.88%	2.23%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.44	2214.10	67.65%	80.00%

ZONAL LUMEN SUMMARY

0-10	459.86
10-20	1066.63
20-30	853.44
30-40	247.29
40-50	44.00
50-60	33.46
60-70	25.22
70-80	22.27
80-90	14.17
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):

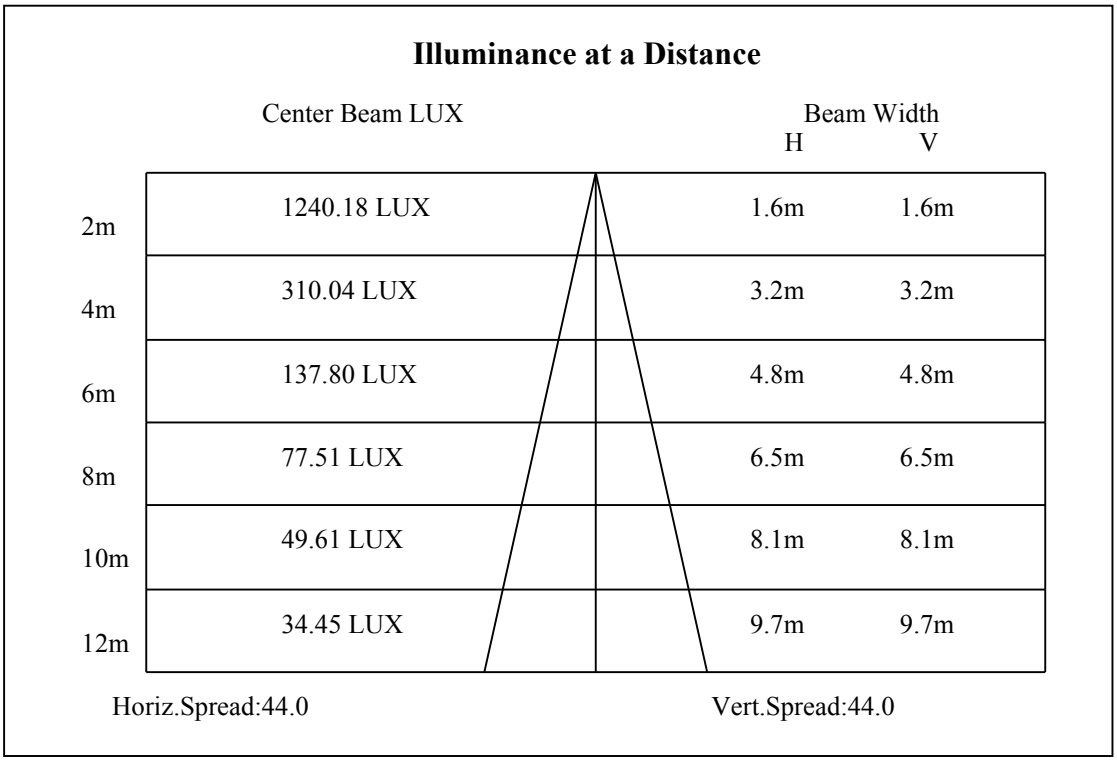
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:34.6 Right:32.6
:C90/270Left:34.6 Right:32.6

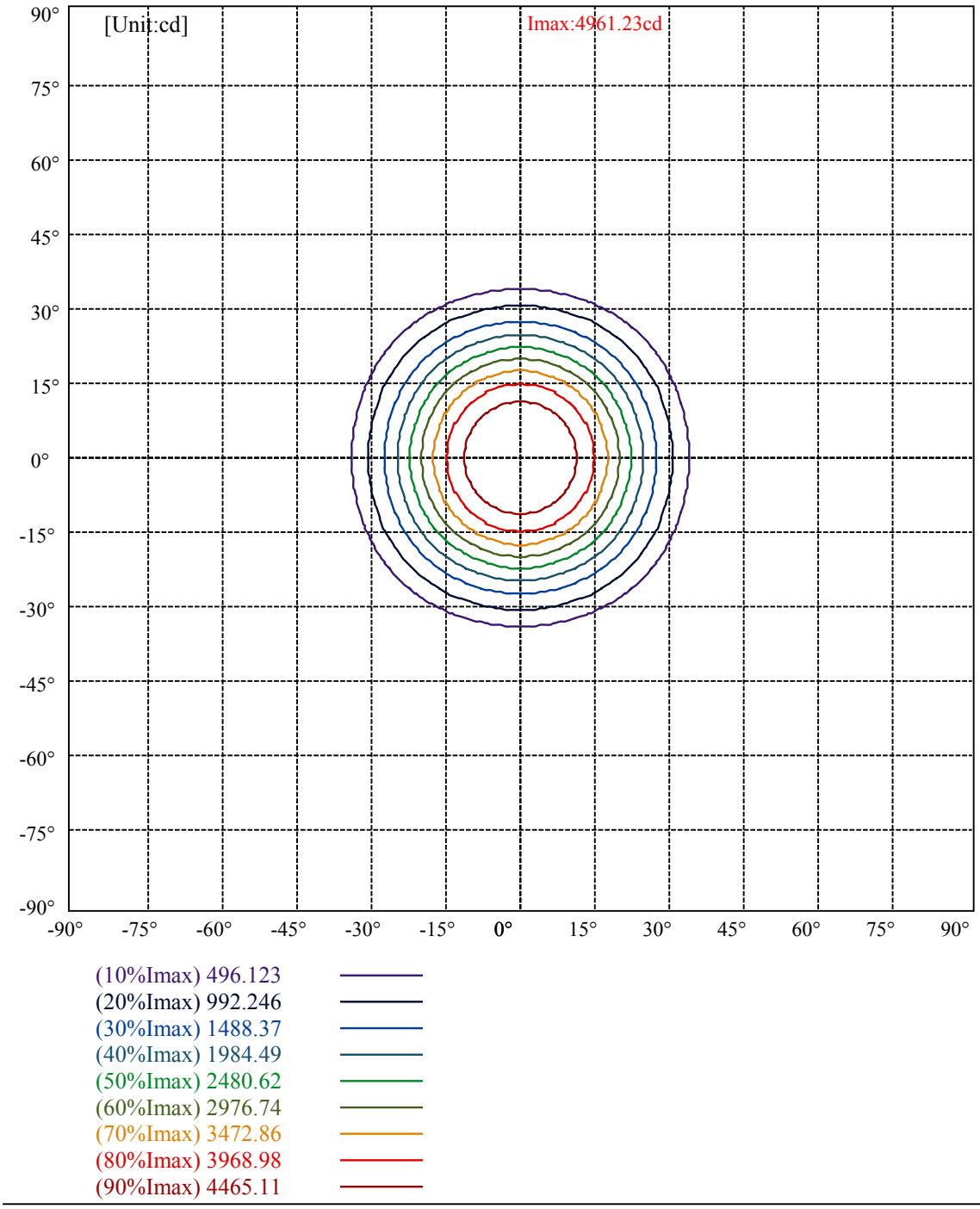
Beam Angle(50%Imax):C0/180Left:23.0 Right:21.0
:C90/270Left:23.0 Right:21.0

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)

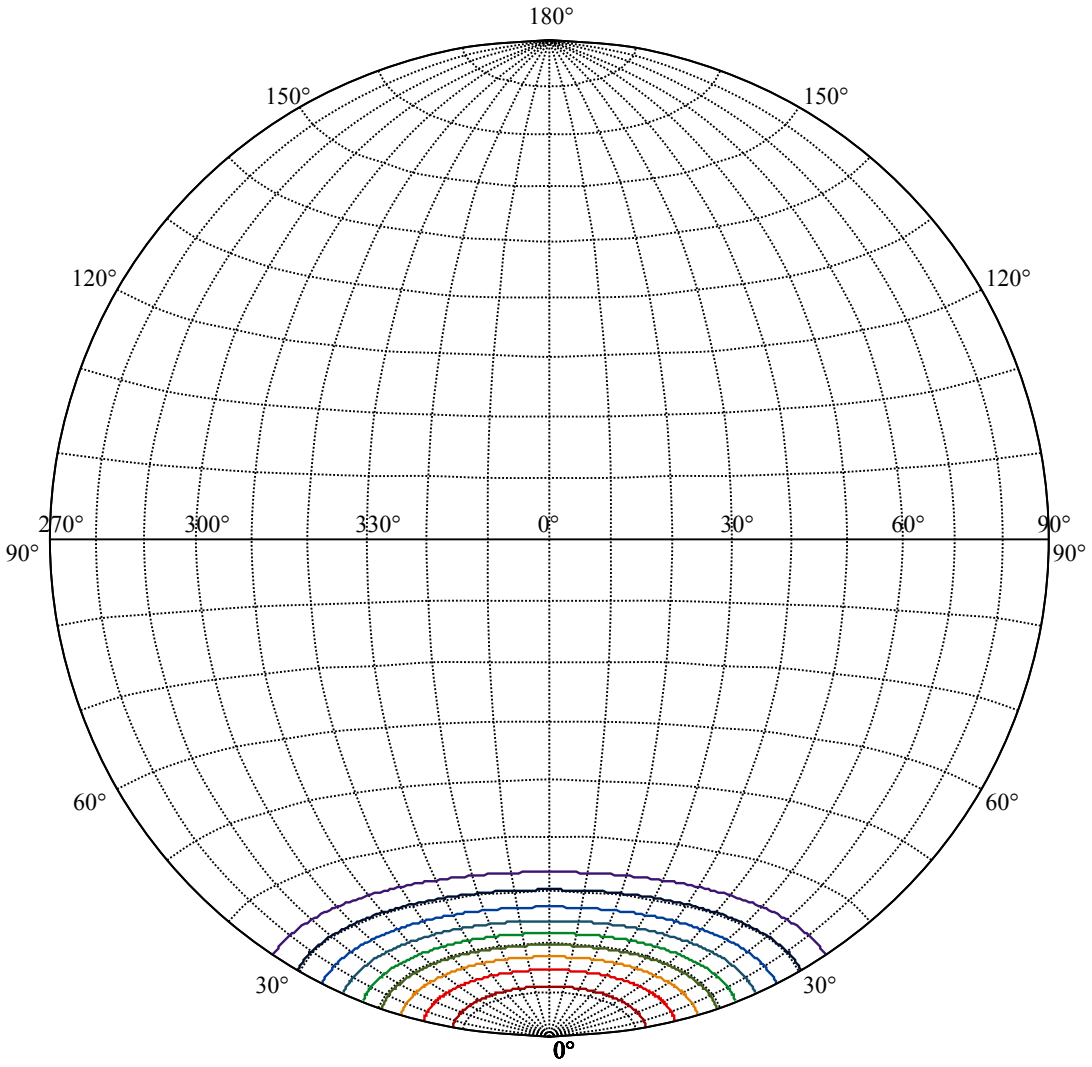


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



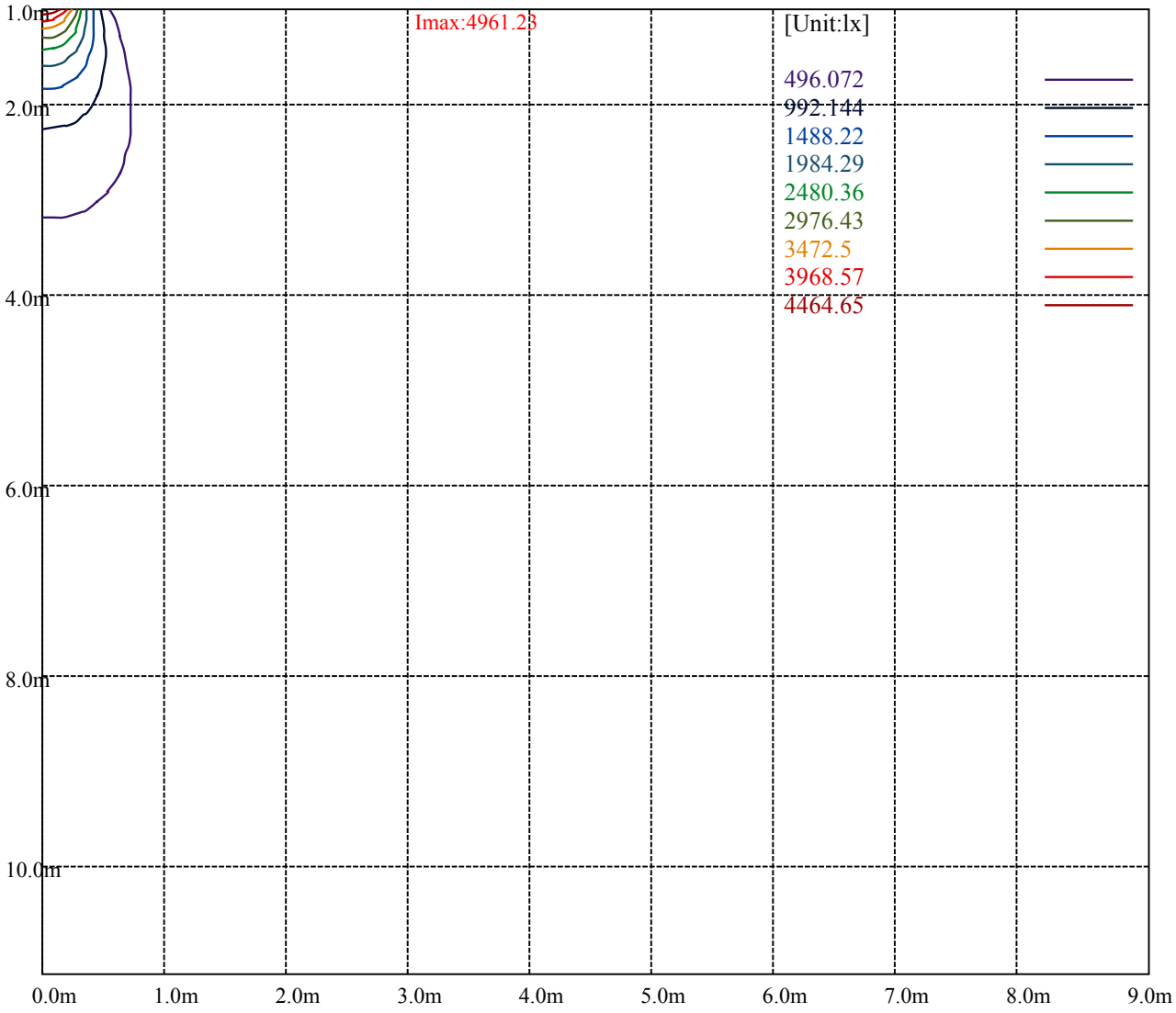
[Unit:cd]

Imax:4961.23

(10%Imax) 496.123
(20%Imax) 992.246
(30%Imax) 1488.37
(40%Imax) 1984.49
(50%Imax) 2480.62
(60%Imax) 2976.74
(70%Imax) 3472.86
(80%Imax) 3968.98
(90%Imax) 4465.11

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
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

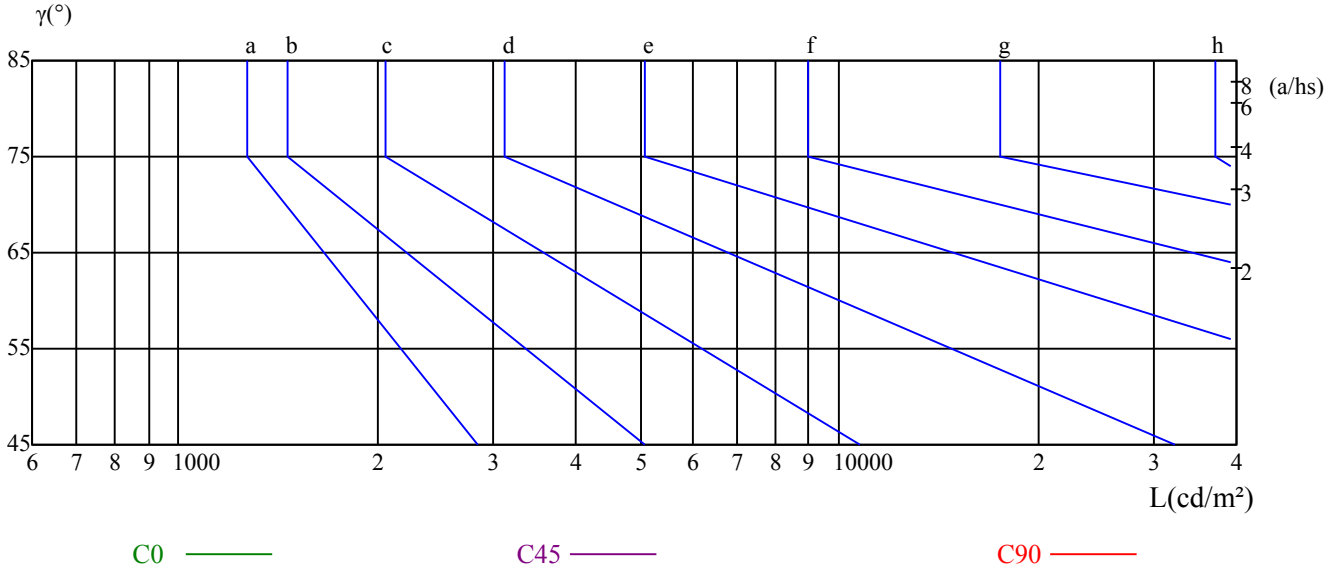
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

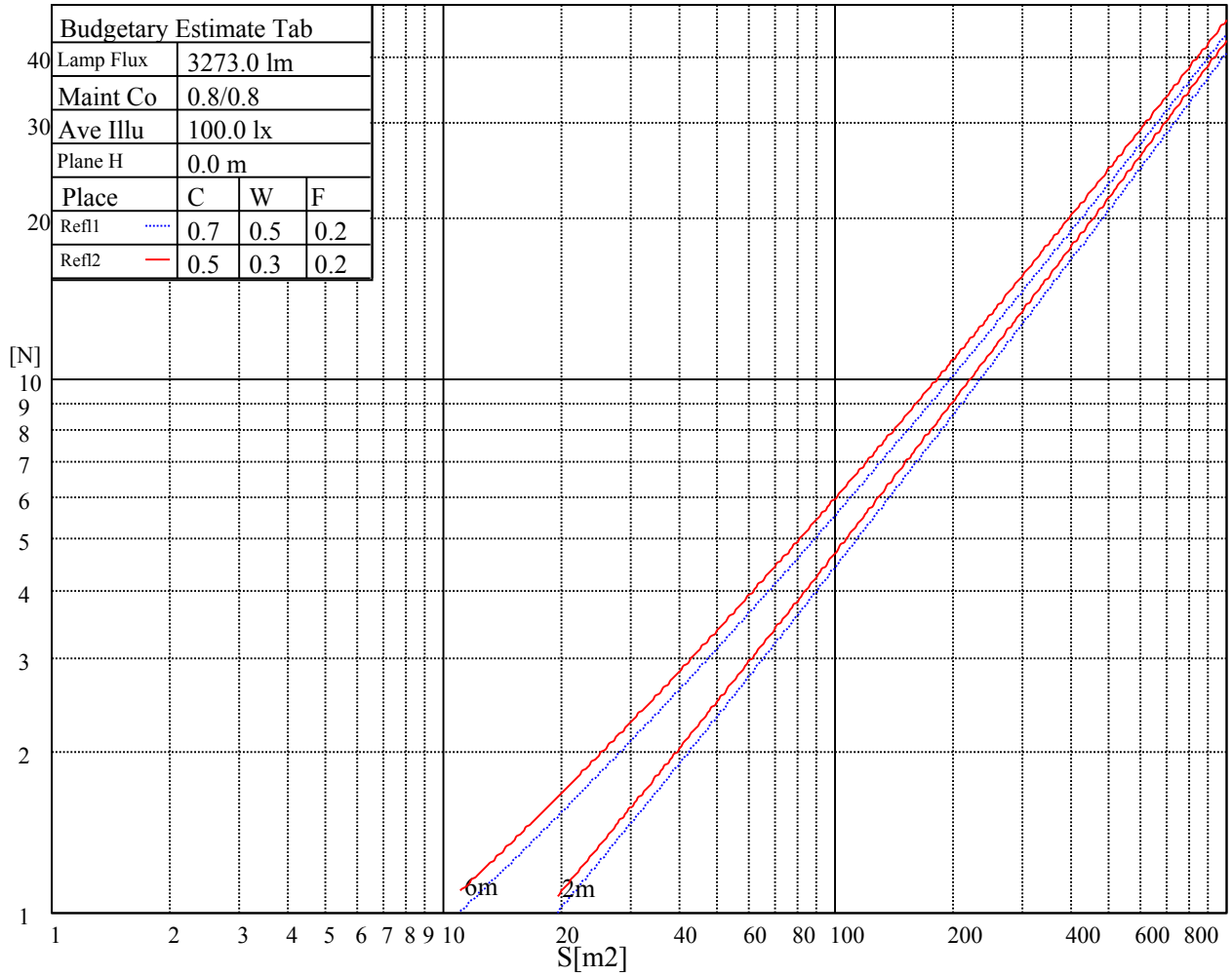
Luminance Limitting Curve



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 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

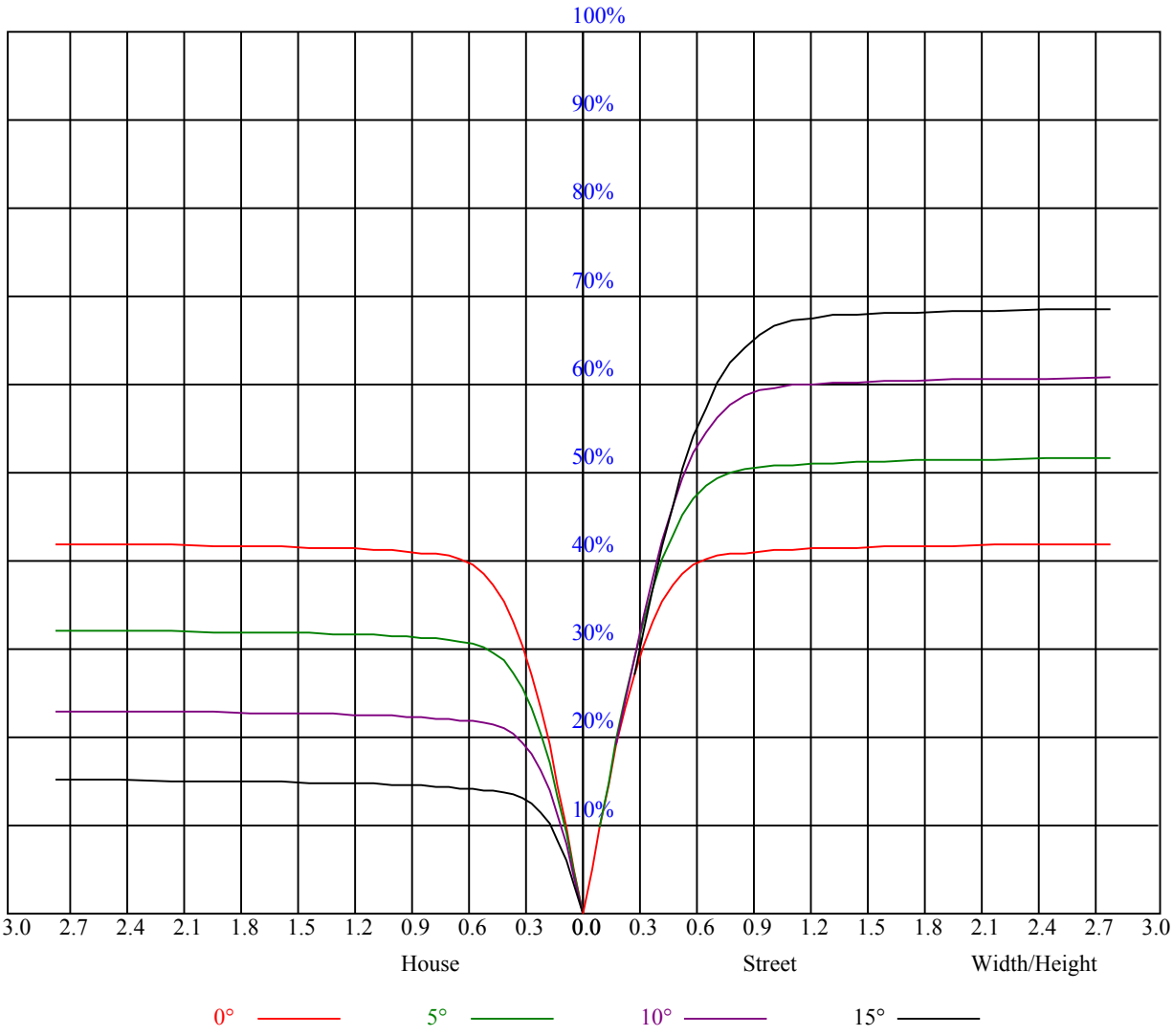


Equipment: GMS1980 Date: 2024/3/8 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

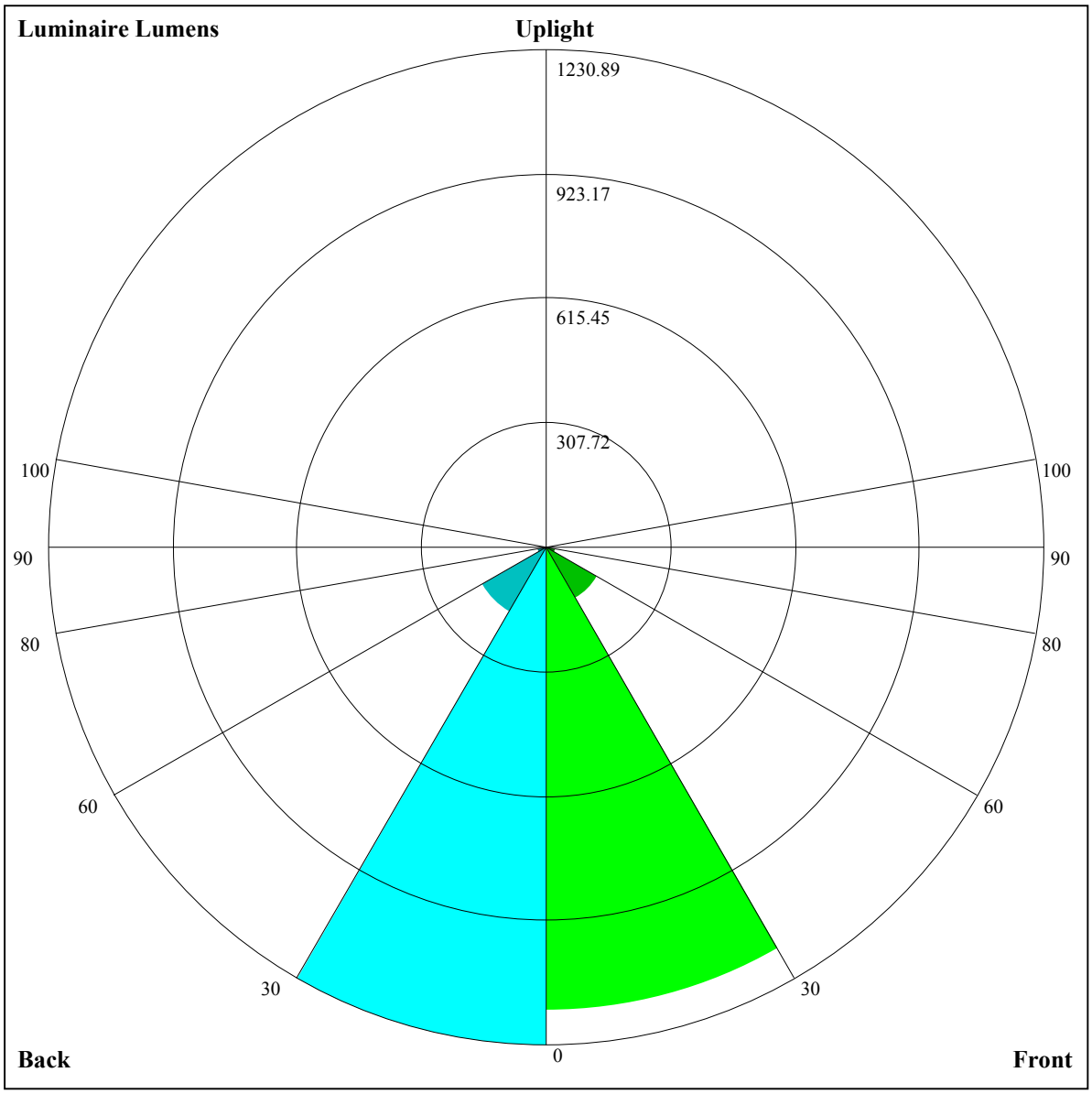
Utilization factor table for indoor luminaire

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	1.01	1.01	1.01	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.94	0.92	0.90	0.92	0.90	0.89	0.89	0.87	0.86	0.86	0.84	0.83	0.83	0.82	0.81	0.79
2	0.88	0.85	0.82	0.87	0.84	0.81	0.84	0.82	0.80	0.81	0.80	0.78	0.79	0.78	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
4	0.78	0.74	0.71	0.78	0.74	0.71	0.76	0.72	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.67
5	0.74	0.70	0.67	0.74	0.70	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.60
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.53	0.52
10	0.59	0.55	0.52	0.59	0.54	0.52	0.58	0.54	0.51	0.57	0.54	0.51	0.57	0.53	0.51	0.50

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=1147.31,FM=146.42,FH=23.41,FVH=7.53
BL=1230.89,BM=182.96,BH=24.14,BVH=7.94
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	4968.62	4973.30	4970.37	4948.14	4915.95	4846.31	4773.74	4691.22	4604.02
45.0	4956.91	4969.79	4971.54	4972.13	4957.50	4934.09	4891.37	4814.12	4733.94
90.0	4965.11	4972.72	4972.13	4967.45	4946.97	4908.93	4836.94	4766.13	4691.22
135.0	4952.23	4961.01	4967.45	4968.03	4961.01	4943.45	4913.61	4855.09	4796.56
180.0	4968.62	4955.74	4950.48	4953.40	4957.50	4958.08	4951.65	4937.02	4910.68
225.0	4956.91	4947.55	4945.79	4949.31	4948.72	4946.38	4924.73	4880.84	4822.90
270.0	4965.11	4958.67	4949.31	4949.89	4949.89	4951.65	4942.87	4916.53	4859.77
315.0	4952.23	4951.06	4960.43	4959.84	4956.91	4941.70	4904.83	4839.28	4763.79
360.0	4968.62	4973.30	4970.37	4948.14	4915.95	4846.31	4773.74	4691.22	4604.02

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4466.50	4350.62	4221.87	4079.66	3883.03	3707.46	3521.36	3279.66	3091.22
45.0	4654.35	4556.62	4425.53	4302.63	4165.69	3980.76	3816.31	3591.00	3399.63
90.0	4577.69	4467.08	4345.35	4185.59	4036.94	3835.62	3660.64	3472.78	3282.00
135.0	4722.24	4644.40	4522.68	4411.48	4284.49	4145.21	3942.13	3775.34	3602.12
180.0	4849.82	4785.44	4711.12	4601.68	4505.71	4399.19	4244.70	4108.34	3960.86
225.0	4747.40	4667.23	4556.62	4456.55	4338.92	4214.26	4041.04	3881.27	3706.29
270.0	4795.39	4722.82	4644.99	4554.28	4426.70	4300.88	4158.08	3962.03	3797.00
315.0	4682.44	4594.66	4472.93	4359.98	4232.41	4050.99	3891.80	3675.86	3486.24
360.0	4466.50	4350.62	4221.87	4079.66	3883.03	3707.46	3521.36	3279.66	3091.22

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2892.83	2644.11	2443.37	2191.14	2004.45	1832.98	1672.05	1523.40	1166.24
45.0	3201.82	3011.04	2763.49	2566.27	2362.03	2165.39	1939.49	1770.95	1611.77
90.0	3034.45	2838.98	2641.18	2437.52	2188.80	2002.11	1830.06	1669.71	1487.12
135.0	3369.20	3180.17	2930.28	2721.35	2521.21	2316.96	2061.22	1880.39	1714.77
180.0	3758.37	3572.27	3368.03	3169.64	2928.52	2727.21	2515.36	2312.28	2066.49
225.0	3516.68	3267.37	3064.88	2812.06	2611.33	2403.58	2157.78	1972.85	1800.80
270.0	3617.33	3425.97	3171.98	2964.81	2767.00	2514.77	2307.02	2057.71	1881.56
315.0	3293.12	3042.64	2843.67	2642.35	2437.52	2187.04	1999.19	1824.20	1662.10
360.0	2892.83	2644.11	2443.37	2191.14	2004.45	1832.98	1672.05	1523.40	1166.24

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1166.24	1022.97	877.14	697.53	564.63	430.08	283.78	185.52	104.17
45.0	1428.59	1268.83	1110.82	931.74	783.67	614.54	485.80	359.97	304.38
90.0	1154.82	1154.82	1008.75	861.22	689.34	551.05	416.45	296.71	177.62
135.0	1560.27	1381.19	1231.37	1084.48	908.91	771.39	635.03	464.14	343.00
180.0	1890.34	1723.55	1536.27	1389.38	1189.82	1027.71	881.99	697.65	562.46
225.0	1602.99	1343.74	1146.81	1146.81	946.48	798.01	656.86	522.78	367.81
270.0	1715.35	1564.95	1388.21	1234.88	1083.90	918.86	740.95	595.82	457.12
315.0	1478.92	1133.93	1133.93	1020.05	836.29	693.96	520.91	391.46	278.74
360.0	1166.24	1022.97	877.14	697.53	564.63	430.08	283.78	185.52	104.17

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	86.09	77.31	70.17	65.84	62.62	60.16	57.53	55.25	53.08
45.0	304.38	95.68	84.33	76.20	69.88	65.78	62.85	60.51	57.53
90.0	110.20	87.55	78.54	71.28	66.83	63.56	60.51	58.29	55.95
135.0	315.49	192.95	93.46	83.16	75.61	69.41	65.43	62.50	59.46
180.0	437.22	323.10	297.35	181.83	90.12	80.47	71.69	67.13	63.38
225.0	261.60	172.99	101.89	85.62	74.85	69.47	65.08	62.03	59.22
270.0	309.06	309.06	188.21	90.30	81.17	72.68	68.00	64.14	61.68
315.0	166.20	109.96	90.77	81.35	73.39	68.59	64.90	62.21	59.05
360.0	86.09	77.31	70.17	65.84	62.62	60.16	57.53	55.25	53.08

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	50.86	48.46	46.94	45.53	44.13	42.31	40.73	38.57	36.75
45.0	55.13	52.32	50.21	48.28	46.23	44.71	43.25	41.73	39.50
90.0	53.02	50.74	48.46	46.88	45.41	43.89	42.49	40.44	38.68
135.0	57.06	54.66	52.44	49.74	47.87	46.23	44.48	42.96	40.91
180.0	60.75	58.11	55.83	53.14	50.97	48.98	46.99	45.65	44.18
225.0	57.00	54.84	52.85	50.21	48.34	46.70	45.06	43.60	42.08
270.0	58.82	56.53	54.25	52.09	50.04	47.87	46.41	44.95	43.01
315.0	56.65	54.31	51.56	49.57	47.87	45.94	44.36	42.43	40.67
360.0	50.86	48.46	46.94	45.53	44.13	42.31	40.73	38.57	36.75

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.05	33.30	32.01	30.90	29.85	28.62	27.80	27.15	26.51
45.0	37.86	36.05	34.47	32.83	31.60	30.43	29.03	28.09	27.33
90.0	36.87	34.88	33.47	32.25	31.02	29.55	28.50	27.56	26.92
135.0	39.33	37.45	35.82	34.00	32.71	31.60	30.43	29.03	28.03
180.0	42.78	40.73	39.09	37.28	35.52	33.65	32.42	31.25	29.85
225.0	40.09	38.39	36.52	34.59	33.30	32.07	30.90	29.44	28.44
270.0	41.32	39.15	37.28	35.58	33.77	32.48	31.31	30.20	28.85
315.0	38.86	36.99	35.35	33.59	32.30	31.13	30.08	28.79	27.97
360.0	35.05	33.30	32.01	30.90	29.85	28.62	27.80	27.15	26.51

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.16	23.76	22.88	22.53	22.36	22.24	22.12	22.00	21.83
45.0	26.51	25.52	24.17	22.77	22.47	22.36	22.36	22.30	22.24
90.0	26.28	24.93	23.64	22.88	22.77	22.65	22.65	22.59	22.53
135.0	27.33	26.74	25.75	24.35	23.00	22.71	22.53	22.41	22.30
180.0	28.85	27.86	27.21	26.57	25.57	23.99	23.06	22.77	22.65
225.0	27.74	27.10	26.04	24.81	23.35	22.53	22.36	22.18	22.12
270.0	28.09	27.45	26.80	25.69	24.29	23.12	22.82	22.65	22.59
315.0	27.15	26.45	25.40	23.70	23.06	22.77	22.59	22.41	22.24
360.0	25.16	23.76	22.88	22.53	22.36	22.24	22.12	22.00	21.83

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	21.59	21.24	20.72	20.01	19.43	18.84	18.32	17.62	16.91
45.0	22.18	22.06	21.83	21.36	20.66	20.13	19.61	18.90	18.20
90.0	22.41	22.18	21.89	21.24	20.78	20.01	19.25	18.55	17.62
135.0	22.18	22.06	21.83	21.54	21.13	20.60	19.96	19.37	18.67
180.0	22.53	22.47	22.36	22.30	22.18	21.83	21.24	20.72	20.13
225.0	22.00	21.95	21.89	21.77	21.42	20.78	20.25	19.66	19.14
270.0	22.47	22.24	22.06	21.83	21.48	21.07	20.54	19.90	19.31
315.0	22.00	21.77	21.59	21.24	20.83	20.25	19.66	19.02	18.14
360.0	21.59	21.24	20.72	20.01	19.43	18.84	18.32	17.62	16.91

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	16.27	14.81	13.64	12.93	12.06	11.88	11.65	11.65	11.65
45.0	17.21	16.27	14.51	13.17	12.47	12.17	11.88	11.70	11.65
90.0	16.74	15.39	14.10	12.82	12.35	12.17	11.82	11.65	11.65
135.0	17.79	17.03	15.74	14.28	13.05	12.47	12.17	11.88	11.70
180.0	19.43	18.84	17.91	17.15	15.68	13.81	12.70	12.29	12.06
225.0	18.38	17.73	16.97	15.68	14.05	12.70	12.23	11.94	11.70
270.0	18.55	17.67	16.91	16.33	14.69	13.40	12.58	12.06	11.82
315.0	17.44	16.56	15.86	14.51	13.23	12.47	12.06	11.82	11.65
360.0	16.27	14.81	13.64	12.93	12.06	11.88	11.65	11.65	11.65

Intensity data(cd)

C/γ(°)	90.0
0.0	11.65
45.0	11.65
90.0	11.65
135.0	11.65
180.0	11.82
225.0	11.59
270.0	11.65
315.0	11.70
360.0	11.65