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NT

Client:
LumCAT: 2-2456-L
Luminaire: 92.70.412.00
Report No: 2024813-B002
Ballast type: AC

Test No: 2024813-C002	Voltage(V): 35.110
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.702
Lamp flux(lm): 4107.0	Power (W): 24.647
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3684.69, Efficiency(%): 89.72% , Luminous Efficacy(lm/W): 149.50
Central intensity(cd): 7974.042, Maximum intensity(cd): 7974.042
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.4
[C90/270]Total=37.4
Field angle(10%Imax): [C0/180]Total=65.4
[C90/270]Total=65.4
Maximum s/h(1/2): C0_180=0.61 C90_270=0.61
Maximum s/h(1/4): C0_180=0.62 C90_270=0.62
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 89.72%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.849%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7974.042	0.000	0	0.00%	0.00%
1.0	7962.337	7.625	7.625	0.19%	0.21%
2.0	7910.033	22.782	30.407	0.55%	0.83%
3.0	7835.856	37.659	68.066	0.92%	1.85%
4.0	7731.539	52.109	120.175	1.27%	3.26%
5.0	7598.547	65.949	186.124	1.61%	5.05%
6.0	7448.875	79.078	265.202	1.93%	7.20%
7.0	7273.893	91.384	356.586	2.23%	9.68%
8.0	7061.749	102.597	459.184	2.50%	12.46%
9.0	6827.074	112.561	571.745	2.74%	15.52%
10.0	6568.112	121.222	692.967	2.95%	18.81%
11.0	6317.197	128.751	821.717	3.13%	22.30%
12.0	6012.587	134.782	956.5	3.28%	25.96%
13.0	5721.657	139.256	1095.755	3.39%	29.74%
14.0	5430.142	142.742	1238.497	3.48%	33.61%
15.0	5122.240	144.868	1383.365	3.53%	37.54%
16.0	4823.556	145.734	1529.099	3.55%	41.50%
17.0	4509.437	145.340	1674.439	3.54%	45.44%
18.0	4192.684	143.479	1817.918	3.49%	49.34%
19.0	3880.685	140.460	1958.378	3.42%	53.15%
20.0	3554.276	136.080	2094.458	3.31%	56.84%
21.0	3257.494	130.800	2225.258	3.18%	60.39%
22.0	2976.074	125.266	2350.524	3.05%	63.79%
23.0	2735.912	119.853	2470.377	2.92%	67.04%
24.0	2496.921	114.409	2584.786	2.79%	70.15%
25.0	2292.604	108.903	2693.689	2.65%	73.10%
26.0	2080.680	103.232	2796.921	2.51%	75.91%
27.0	1864.878	96.529	2893.45	2.35%	78.53%
28.0	1624.709	88.349	2981.799	2.15%	80.92%
29.0	1344.752	77.689	3059.488	1.89%	83.03%
30.0	1234.605	69.642	3129.131	1.70%	84.92%
31.0	1065.475	64.008	3193.138	1.56%	86.66%
32.0	904.751	56.445	3249.583	1.37%	88.19%
33.0	757.288	48.964	3298.547	1.19%	89.52%
34.0	627.266	41.901	3340.448	1.02%	90.66%
35.0	511.640	35.370	3375.818	0.86%	91.62%
36.0	403.359	29.134	3404.952	0.71%	92.41%
37.0	316.585	23.481	3428.433	0.57%	93.05%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	256.446	19.127	3447.56	0.47%	93.56%
39.0	235.707	16.799	3464.358	0.41%	94.02%
40.0	159.020	13.767	3478.125	0.34%	94.39%
41.0	142.180	10.726	3488.85	0.26%	94.68%
42.0	129.108	9.856	3498.707	0.24%	94.95%
43.0	117.681	9.142	3507.849	0.22%	95.20%
44.0	108.932	8.553	3516.402	0.21%	95.43%
45.0	100.600	8.053	3524.454	0.20%	95.65%
46.0	93.234	7.580	3532.035	0.18%	95.86%
47.0	86.628	7.154	3539.188	0.17%	96.05%
48.0	80.183	6.743	3545.932	0.16%	96.23%
49.0	74.609	6.357	3552.288	0.15%	96.41%
50.0	69.759	6.019	3558.307	0.15%	96.57%
51.0	65.187	5.709	3564.017	0.14%	96.72%
52.0	61.097	5.419	3569.436	0.13%	96.87%
53.0	57.550	5.161	3574.597	0.13%	97.01%
54.0	54.287	4.929	3579.526	0.12%	97.15%
55.0	51.471	4.721	3584.247	0.11%	97.27%
56.0	49.020	4.541	3588.788	0.11%	97.40%
57.0	46.679	4.376	3593.163	0.11%	97.52%
58.0	44.733	4.227	3597.391	0.10%	97.63%
59.0	42.831	4.094	3601.484	0.10%	97.74%
60.0	41.119	3.966	3605.45	0.10%	97.85%
61.0	39.590	3.852	3609.302	0.09%	97.95%
62.0	38.040	3.741	3613.043	0.09%	98.06%
63.0	36.723	3.636	3616.679	0.09%	98.15%
64.0	35.384	3.538	3620.217	0.09%	98.25%
65.0	34.228	3.445	3623.662	0.08%	98.34%
66.0	33.021	3.355	3627.017	0.08%	98.43%
67.0	31.909	3.265	3630.282	0.08%	98.52%
68.0	30.739	3.174	3633.456	0.08%	98.61%
69.0	29.729	3.085	3636.541	0.08%	98.69%
70.0	28.647	2.998	3639.539	0.07%	98.77%
71.0	27.586	2.906	3642.445	0.07%	98.85%
72.0	26.562	2.816	3645.261	0.07%	98.93%
73.0	25.647	2.730	3647.991	0.07%	99.00%
74.0	24.777	2.651	3650.642	0.06%	99.08%
75.0	24.002	2.577	3653.219	0.06%	99.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	23.248	2.508	3655.727	0.06%	99.21%
77.0	22.575	2.443	3658.17	0.06%	99.28%
78.0	21.895	2.381	3660.551	0.06%	99.34%
79.0	21.244	2.318	3662.869	0.06%	99.41%
80.0	20.622	2.257	3665.126	0.05%	99.47%
81.0	19.971	2.195	3667.321	0.05%	99.53%
82.0	19.349	2.132	3669.453	0.05%	99.59%
83.0	18.771	2.072	3671.526	0.05%	99.64%
84.0	18.281	2.019	3673.544	0.05%	99.70%
85.0	17.813	1.970	3675.514	0.05%	99.75%
86.0	17.403	1.925	3677.439	0.05%	99.80%
87.0	16.993	1.882	3679.321	0.05%	99.85%
88.0	16.503	1.835	3681.156	0.04%	99.90%
89.0	16.086	1.786	3682.943	0.04%	99.95%
90.0	15.830	1.750	3684.692	0.04%	100.00%

Zonal flux distribution table

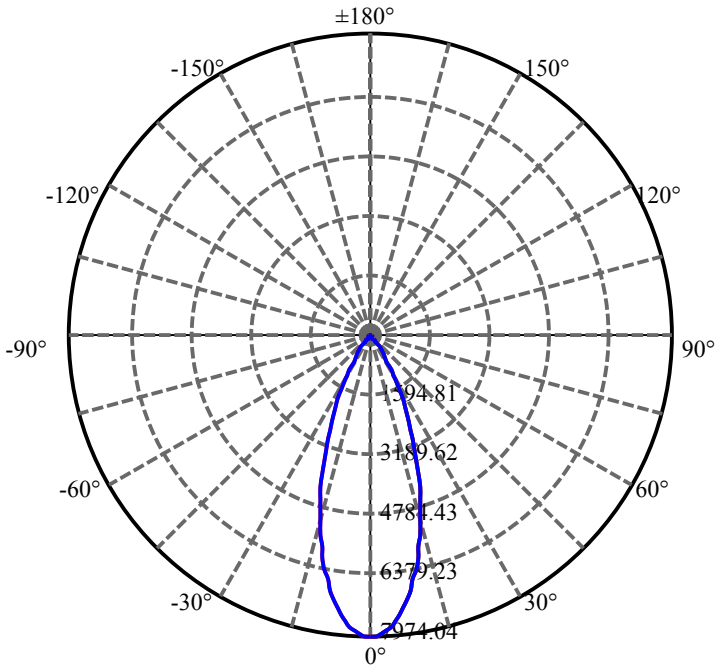
ZONAL LUMEN SUMMARY

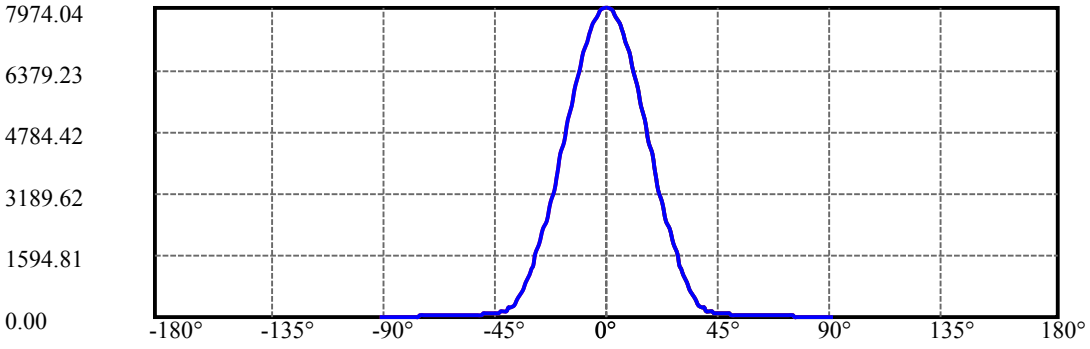
Zone	Lumens	%Lamp	%Fixt
0-30	3129.13	76.19%	84.92%
0-40	3478.12	84.69%	94.39%
0-60	3605.45	87.79%	97.85%
0-90	3682.94	89.67%	99.95%
0-120	3682.94	89.67%	99.95%
0-180	3684.69	89.72%	100.00%
60-90	77.49	1.89%	2.10%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.61	2947.75	71.77%	80.00%

ZONAL LUMEN SUMMARY

0-10	692.97
10-20	1401.49
20-30	1034.67
30-40	348.99
40-50	80.18
50-60	47.14
60-70	34.09
70-80	25.59
80-90	17.82
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):

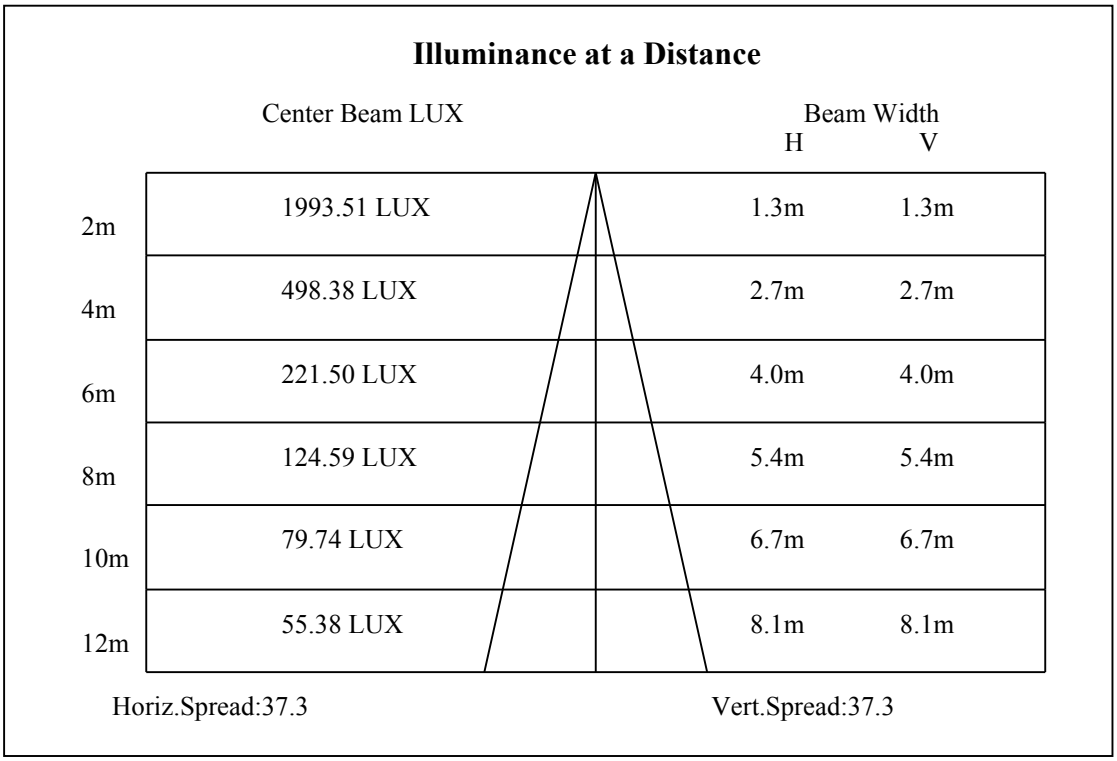
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:32.7 Right:32.7
:C90/270Left:32.7 Right:32.7

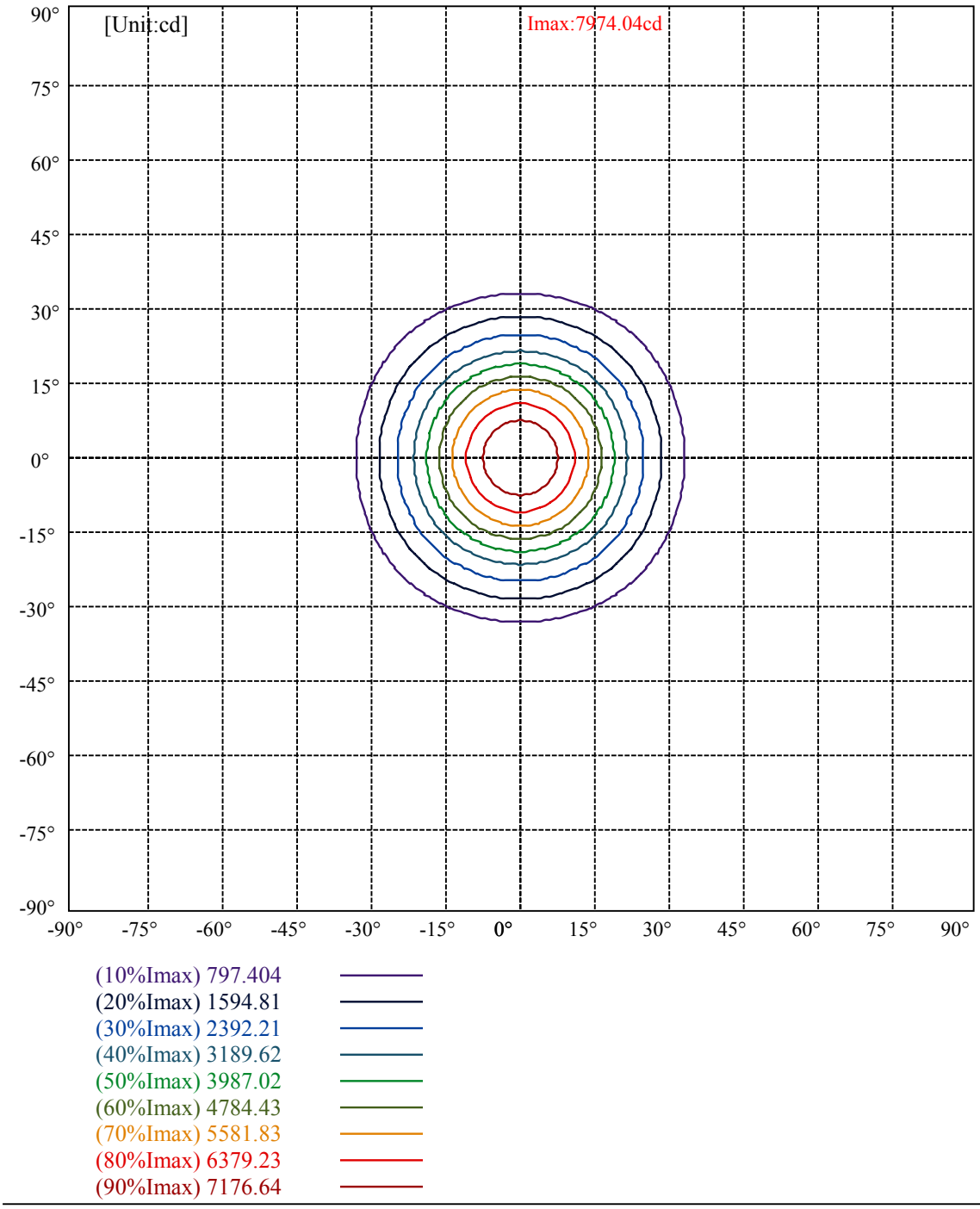
Beam Angle(50%Imax):C0/180Left:18.7 Right:18.7
:C90/270Left:18.7 Right:18.7

Lux distance Curve



Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

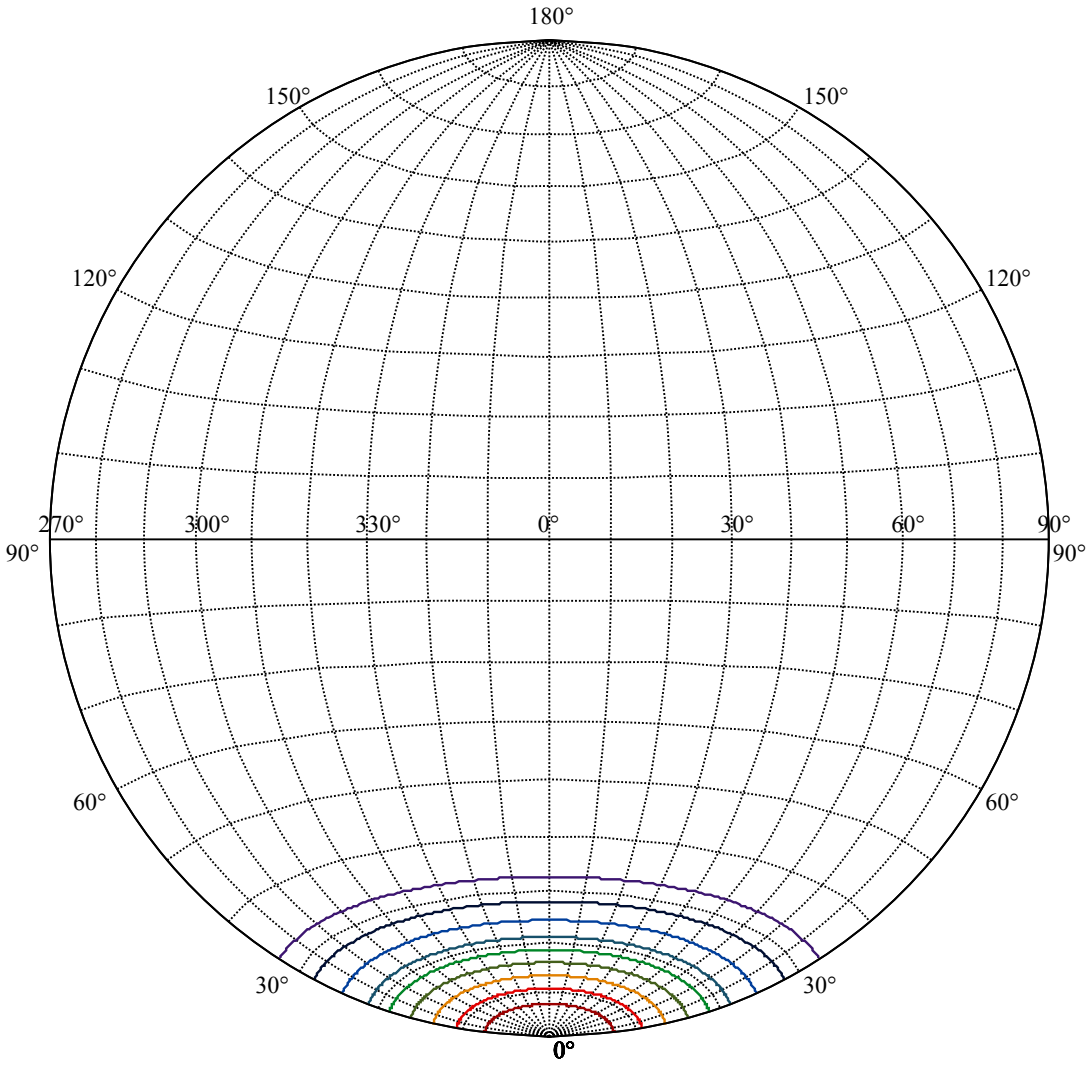


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



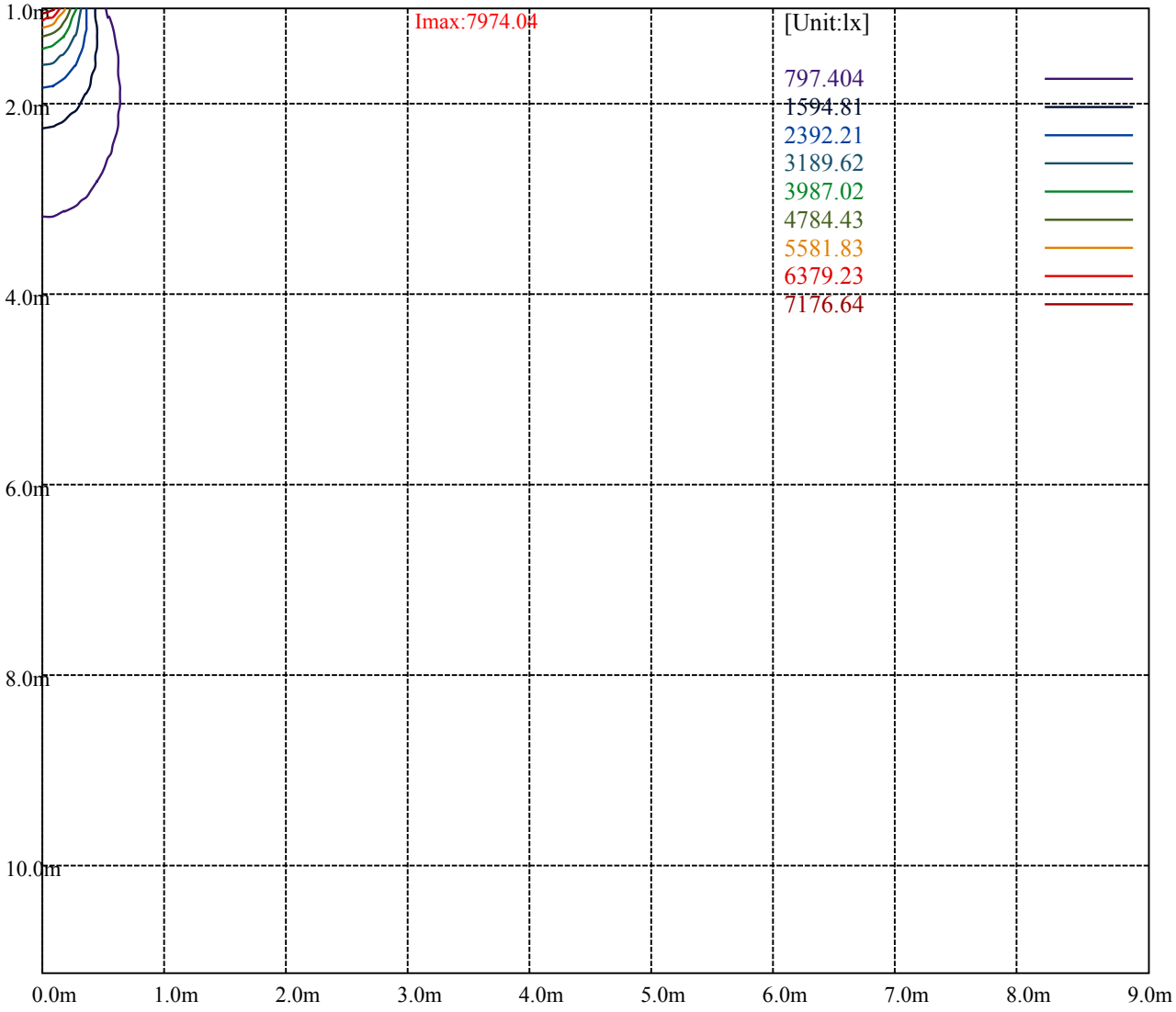
House [Unit:cd] Road

Imax:7974.04

(10%Imax) 797.404
(20%Imax) 1594.81
(30%Imax) 2392.21
(40%Imax) 3189.62
(50%Imax) 3987.02
(60%Imax) 4784.43
(70%Imax) 5581.83
(80%Imax) 6379.23
(90%Imax) 7176.64

Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2456-L

Luminance Limitting Curve(no luminous side)

Luminance Table

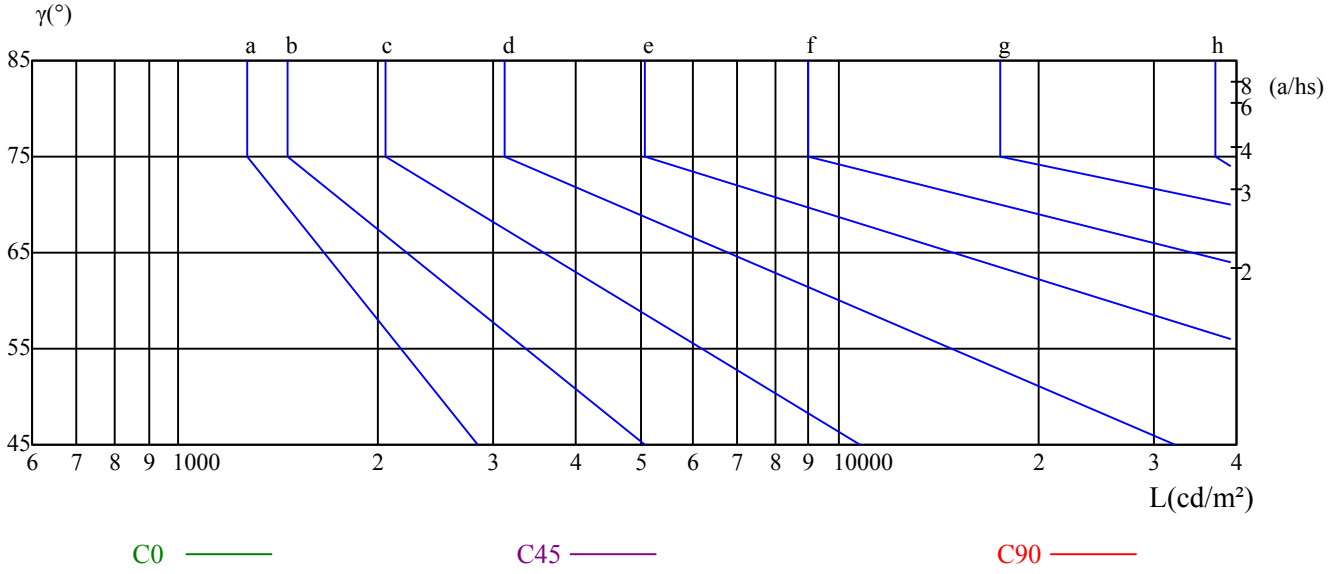
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

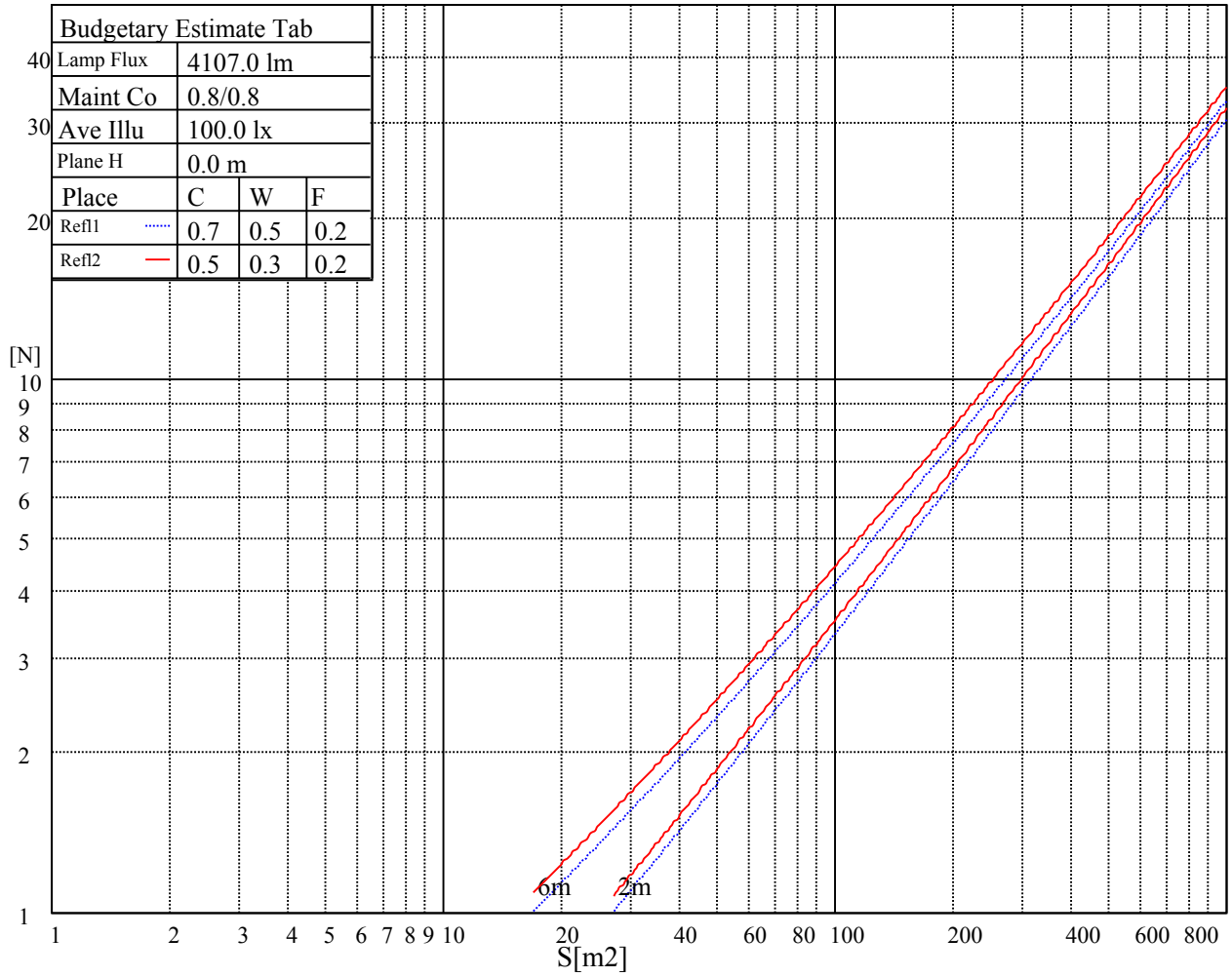


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

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

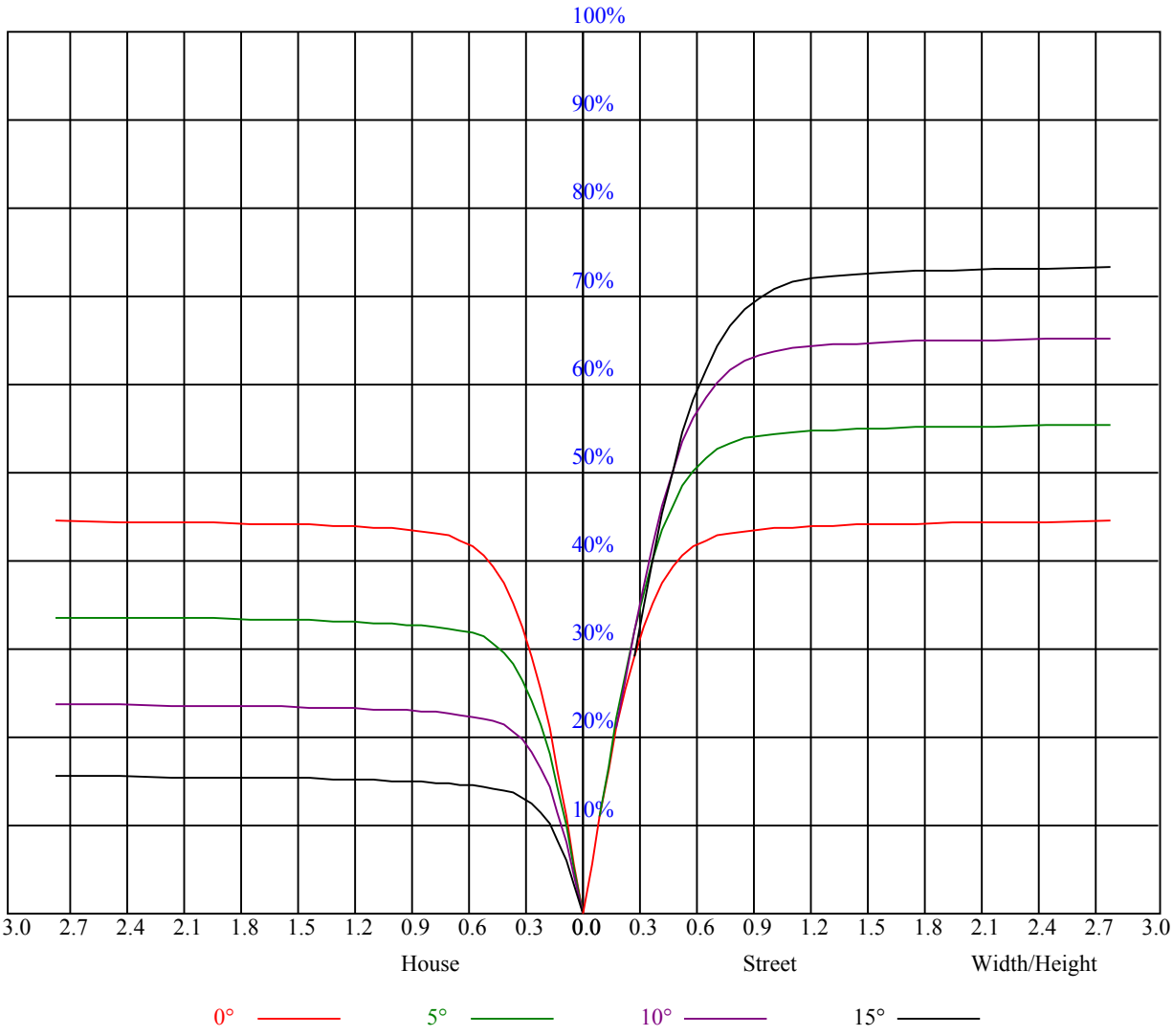


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

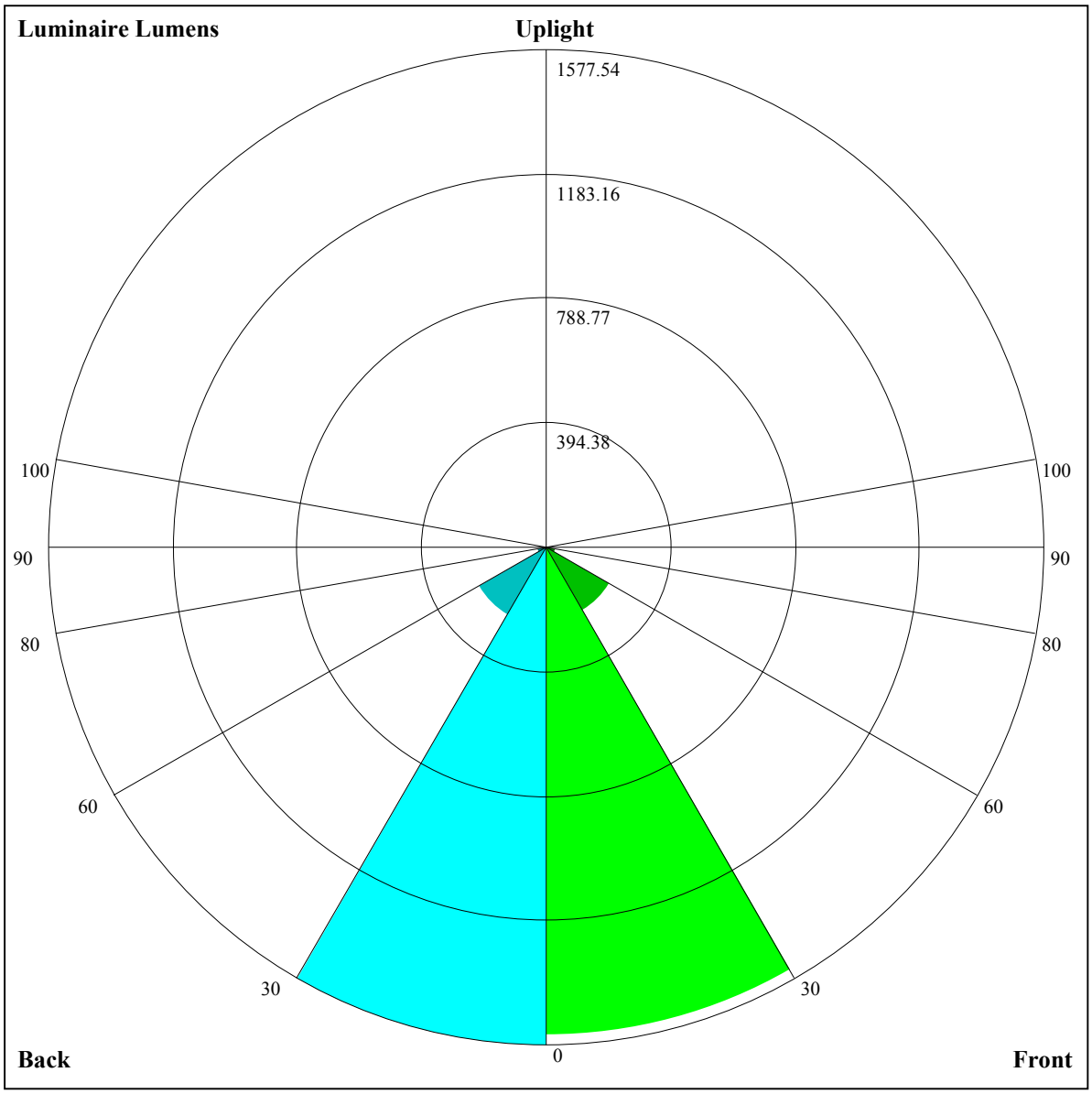
Utilization factor table for indoor luminaire

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	1.07	1.07	1.07	1.04	1.04	1.04	1.00	1.00	1.00	0.95	0.95	0.95	0.92	0.92	0.92	0.90
1	1.00	0.98	0.96	0.98	0.96	0.94	0.94	0.93	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.84
2	0.94	0.90	0.87	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.83	0.84	0.83	0.81	0.80
3	0.88	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.75
4	0.84	0.79	0.76	0.83	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.77	0.75	0.73	0.71
5	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.68
6	0.75	0.71	0.67	0.75	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
7	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62
8	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.59
9	0.66	0.61	0.58	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.56
10	0.63	0.59	0.56	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.54

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1545.07,FM=232.38,FH=29.7,FVH=9.76
BL=1577.54,BM=245.52,BH=30.09,BVH=9.8
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	7953.85	7912.89	7857.29	7757.80	7642.51	7493.28	7328.25	7146.83	6950.19
45.0	7968.48	7971.99	7927.52	7856.70	7776.53	7660.07	7531.32	7366.29	7139.80
90.0	7981.36	7971.41	7860.80	7787.06	7660.07	7485.09	7317.13	7132.20	6915.08
135.0	7992.48	7992.48	7973.16	7921.66	7802.86	7699.28	7557.07	7407.84	7189.55
180.0	7953.85	7955.02	7935.71	7878.36	7787.65	7667.68	7548.88	7380.33	7167.89
225.0	7968.48	7947.41	7886.55	7810.47	7694.01	7535.42	7386.77	7167.89	6962.48
270.0	7981.36	7993.65	7966.14	7900.60	7818.66	7713.91	7572.87	7416.61	7201.25
315.0	7992.48	7953.85	7873.09	7774.19	7670.02	7533.66	7348.73	7173.16	6967.75
360.0	7953.85	7912.89	7857.29	7757.80	7642.51	7493.28	7328.25	7146.83	6950.19

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6656.99	6421.73	6161.89	5882.74	5547.41	5288.74	5001.39	4714.63	4350.04
45.0	6925.03	6633.58	6401.25	6125.61	5784.42	5518.73	5231.38	4882.01	4581.79
90.0	6618.95	6353.26	6091.08	5732.34	5464.30	5092.69	4807.68	4512.73	4210.17
135.0	6973.60	6756.48	6511.27	6174.18	5906.73	5634.60	5292.83	5003.73	4695.90
180.0	6973.60	6736.00	6497.23	6174.77	5896.20	5638.70	5294.59	5028.90	4739.80
225.0	6721.95	6422.32	6165.40	5910.25	5634.02	5358.38	5001.98	4735.11	4440.16
270.0	7007.54	6790.42	6542.87	6216.90	5930.14	5650.99	5368.33	5012.51	4723.41
315.0	6738.92	6431.10	6166.57	5883.91	5610.03	5258.31	4979.74	4698.83	4334.23
360.0	6656.99	6421.73	6161.89	5882.74	5547.41	5288.74	5001.39	4714.63	4350.04

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4059.76	3701.61	3414.85	3142.72	2830.21	2601.97	2392.46	2198.16	1947.69
45.0	4286.83	3991.88	3626.70	3341.11	3078.93	2827.28	2543.45	2349.15	2147.83
90.0	3835.04	3531.89	3251.57	2982.37	2671.03	2452.74	2253.17	2065.90	1819.52
135.0	4340.09	4046.89	3678.78	3396.70	3118.72	2875.85	2594.36	2381.34	2192.90
180.0	4392.17	4082.00	3775.34	3430.65	3160.27	2923.84	2686.83	2476.15	2228.60
225.0	4146.38	3787.05	3496.19	3144.47	2899.26	2671.03	2412.94	2225.08	2040.74
270.0	4444.26	4152.82	3793.49	3495.02	3169.05	2930.28	2678.63	2412.36	2223.91
315.0	4036.94	3751.35	3397.29	3126.92	2881.12	2604.31	2413.53	2232.69	2044.25
360.0	4059.76	3701.61	3414.85	3142.72	2830.21	2601.97	2392.46	2198.16	1947.69

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1741.69	1542.13	1142.77	1142.77	990.08	851.44	688.34	566.15	457.12
45.0	1902.04	1697.80	1458.44	1282.87	1115.50	931.15	794.21	670.73	556.02
90.0	1621.13	1165.77	1165.77	1048.31	870.87	739.02	624.49	520.91	403.92
135.0	1992.16	1730.57	1528.67	1339.64	1130.13	978.55	838.69	684.77	570.65
180.0	2037.81	1837.67	1577.83	1373.58	1193.33	983.24	839.86	678.33	567.14
225.0	1796.11	1598.31	1133.05	1133.05	1010.57	860.11	727.14	608.87	477.25
270.0	2036.64	1835.32	1588.36	1393.48	1210.30	1037.66	853.32	718.13	594.65
315.0	1791.43	1590.11	1163.13	1163.13	1003.02	856.83	692.26	570.24	466.37
360.0	1741.69	1542.13	1142.77	1142.77	990.08	851.44	688.34	566.15	457.12

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	341.19	265.28	204.30	162.11	147.01	133.55	122.08	110.08	101.77
45.0	429.03	338.90	299.11	299.11	160.82	142.50	129.45	115.93	106.86
90.0	322.05	251.00	195.41	161.76	148.12	135.42	122.31	113.59	105.81
135.0	467.65	353.53	312.57	312.57	169.31	150.52	137.59	126.70	117.51
180.0	467.65	377.53	297.35	297.35	172.93	153.39	136.53	125.18	115.06
225.0	383.73	303.26	222.50	178.79	153.39	139.58	127.17	115.35	107.15
270.0	463.56	371.68	312.57	312.57	174.98	150.05	136.71	124.89	115.35
315.0	352.01	271.49	207.75	161.41	145.60	132.44	121.02	109.73	101.95
360.0	341.19	265.28	204.30	162.11	147.01	133.55	122.08	110.08	101.77

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	94.34	87.55	79.82	74.62	68.59	64.32	60.57	56.53	53.67
45.0	99.02	90.12	83.75	77.78	71.28	66.54	62.50	58.76	54.89
90.0	97.50	91.24	85.56	79.36	74.85	70.52	66.07	62.79	59.69
135.0	107.39	100.01	93.34	85.44	80.12	74.67	68.82	64.67	61.04
180.0	107.15	97.67	91.76	84.10	79.36	74.38	69.17	65.25	61.68
225.0	99.84	93.28	86.96	80.06	74.79	70.11	65.78	60.80	57.41
270.0	104.81	97.62	90.89	84.51	77.48	72.33	67.53	63.38	58.58
315.0	94.75	88.37	80.94	75.61	70.40	65.19	61.04	56.59	53.43
360.0	94.34	87.55	79.82	74.62	68.59	64.32	60.57	56.53	53.67

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	51.21	48.52	46.70	45.06	43.60	41.90	40.67	39.39	38.27
45.0	51.97	49.57	47.29	44.77	43.19	41.61	39.80	38.57	37.10
90.0	56.83	53.55	51.21	48.92	46.94	44.71	42.96	40.97	39.56
135.0	57.06	54.31	51.62	48.46	46.17	44.30	42.37	40.61	38.57
180.0	57.76	55.13	52.49	50.33	48.34	45.53	44.01	42.31	40.32
225.0	53.49	50.80	48.34	45.53	43.54	41.79	39.80	38.33	36.93
270.0	55.36	51.73	49.10	46.88	44.36	42.60	41.08	39.56	37.81
315.0	50.62	48.16	45.41	43.48	41.73	40.20	38.27	36.99	35.76
360.0	51.21	48.52	46.70	45.06	43.60	41.90	40.67	39.39	38.27

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	36.87	35.82	34.88	33.53	32.54	31.13	30.08	29.03	28.03
45.0	35.99	35.11	34.12	32.89	31.95	30.90	29.96	28.73	27.80
90.0	38.16	36.46	35.23	33.94	32.66	31.02	29.85	28.68	27.51
135.0	37.22	35.99	34.35	33.24	31.95	30.78	29.90	28.73	27.68
180.0	38.92	37.04	35.76	34.47	33.07	31.95	30.90	29.85	28.68
225.0	35.58	34.12	33.01	31.95	30.96	29.79	28.85	27.92	26.80
270.0	36.52	35.23	34.24	33.01	31.89	31.02	30.02	28.85	27.62
315.0	34.53	33.30	32.25	31.13	30.26	29.32	28.27	27.39	26.57
360.0	36.87	35.82	34.88	33.53	32.54	31.13	30.08	29.03	28.03

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	26.80	25.98	25.22	24.52	23.64	23.00	22.30	21.71	20.95
45.0	26.80	25.75	24.70	24.05	23.17	22.53	21.95	21.19	20.60
90.0	26.04	25.11	24.23	23.35	22.71	22.06	21.24	20.72	20.07
135.0	26.80	25.87	24.64	23.94	23.23	22.59	21.83	21.24	20.66
180.0	27.74	26.80	25.93	24.99	24.29	23.58	22.82	22.12	21.59
225.0	25.98	24.99	24.29	23.58	22.94	22.12	21.54	20.89	20.31
270.0	26.80	25.93	25.16	24.23	23.47	22.82	22.18	21.36	20.78
315.0	25.52	24.76	24.05	23.35	22.53	21.89	21.30	20.72	20.01
360.0	26.80	25.98	25.22	24.52	23.64	23.00	22.30	21.71	20.95

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	20.31	19.66	19.08	18.67	18.20	17.79	17.38	16.85	16.15
45.0	20.01	19.31	18.79	18.32	17.85	17.44	17.09	16.62	16.21
90.0	19.37	18.90	18.38	17.91	17.44	17.09	16.62	16.21	15.98
135.0	19.96	19.37	18.67	18.20	17.73	17.32	16.97	16.50	16.09
180.0	20.72	20.19	19.43	18.90	18.32	17.85	17.50	16.80	16.39
225.0	19.66	19.02	18.55	18.02	17.67	17.21	16.74	16.33	15.98
270.0	20.25	19.55	18.96	18.38	17.91	17.44	17.03	16.50	16.09
315.0	19.49	18.79	18.32	17.85	17.38	17.09	16.62	16.21	15.80
360.0	20.31	19.66	19.08	18.67	18.20	17.79	17.38	16.85	16.15

Intensity data(cd)

C/γ(°)	90.0
0.0	15.86
45.0	15.92
90.0	15.92
135.0	15.80
180.0	15.86
225.0	15.80
270.0	15.86
315.0	15.63
360.0	15.86