NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 2-2518-L
Luminaire: 92.70.412.00
Report No: 2024813-B028
Ballast type: AC

Test No: 2024813-C028	Voltage(V): 35.060
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.702
Lamp flux(lm): 4107.0	Power (W): 24.612
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3791.51, Efficiency(%): 92.32% , Luminous Efficacy(lm/W): 154.05
Central intensity(cd): 18833.130, Maximum intensity(cd): 18833.130
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.8
[C90/270]Total=18.8
Field angle(10%Imax): [C0/180]Total=47.8
[C90/270]Total=47.8
Maximum s/h(1/2): C0_180=0.32 C90_270=0.32
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(%): 92.32%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.605%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	18833.127	0.000	0	0.00%	0.00%
1.0	18722.664	17.970	17.97	0.44%	0.47%
2.0	18339.342	53.195	71.165	1.30%	1.88%
3.0	17708.031	86.213	157.378	2.10%	4.15%
4.0	16785.570	115.461	272.839	2.81%	7.20%
5.0	15328.879	138.155	410.994	3.36%	10.84%
6.0	13630.059	152.187	563.181	3.71%	14.85%
7.0	12651.277	163.128	726.309	3.97%	19.16%
8.0	11379.656	171.985	898.293	4.19%	23.69%
9.0	9953.756	172.896	1071.189	4.21%	28.25%
10.0	8659.457	168.443	1239.632	4.10%	32.69%
11.0	7510.587	161.572	1401.204	3.93%	36.96%
12.0	6488.273	153.028	1554.231	3.73%	40.99%
13.0	5721.481	144.899	1699.131	3.53%	44.81%
14.0	5097.412	138.481	1837.611	3.37%	48.47%
15.0	4585.633	132.933	1970.545	3.24%	51.97%
16.0	4127.694	127.675	2098.219	3.11%	55.34%
17.0	3740.349	122.527	2220.746	2.98%	58.57%
18.0	3401.357	117.751	2338.497	2.87%	61.68%
19.0	3085.189	112.853	2451.35	2.75%	64.65%
20.0	2827.983	108.227	2559.577	2.64%	67.51%
21.0	2584.683	103.934	2663.511	2.53%	70.25%
22.0	2399.393	100.157	2763.668	2.44%	72.89%
23.0	2051.418	93.390	2857.058	2.27%	75.35%
24.0	1859.318	85.503	2942.561	2.08%	77.61%
25.0	1674.534	80.352	3022.913	1.96%	79.73%
26.0	1457.854	73.940	3096.854	1.80%	81.68%
27.0	1338.395	68.411	3165.264	1.67%	83.48%
28.0	1197.999	64.216	3229.481	1.56%	85.18%
29.0	1053.676	58.910	3288.391	1.43%	86.73%
30.0	907.852	52.961	3341.352	1.29%	88.13%
31.0	761.231	46.448	3387.8	1.13%	89.35%
32.0	626.147	39.747	3427.547	0.97%	90.40%
33.0	502.855	33.261	3460.807	0.81%	91.28%
34.0	396.051	27.204	3488.011	0.66%	92.00%
35.0	311.969	21.988	3509.999	0.54%	92.58%
36.0	262.305	18.285	3528.284	0.45%	93.06%
37.0	233.673	16.176	3544.46	0.39%	93.48%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	200.154	14.481	3558.941	0.35%	93.87%
39.0	163.336	12.407	3571.348	0.30%	94.19%
40.0	146.540	10.807	3582.155	0.26%	94.48%
41.0	131.851	9.913	3592.069	0.24%	94.74%
42.0	119.283	9.124	3601.193	0.22%	94.98%
43.0	107.989	8.419	3609.612	0.20%	95.20%
44.0	98.684	7.800	3617.412	0.19%	95.41%
45.0	90.256	7.261	3624.673	0.18%	95.60%
46.0	83.029	6.777	3631.45	0.17%	95.78%
47.0	77.155	6.371	3637.821	0.16%	95.95%
48.0	71.617	6.014	3643.835	0.15%	96.11%
49.0	67.147	5.698	3649.533	0.14%	96.26%
50.0	63.234	5.436	3654.969	0.13%	96.40%
51.0	60.015	5.214	3660.184	0.13%	96.54%
52.0	56.869	5.016	3665.2	0.12%	96.67%
53.0	54.163	4.830	3670.029	0.12%	96.80%
54.0	51.829	4.672	3674.701	0.11%	96.92%
55.0	49.890	4.541	3679.242	0.11%	97.04%
56.0	48.047	4.426	3683.667	0.11%	97.16%
57.0	46.591	4.327	3687.994	0.11%	97.27%
58.0	45.596	4.263	3692.257	0.10%	97.38%
59.0	44.887	4.230	3696.487	0.10%	97.49%
60.0	44.360	4.216	3700.704	0.10%	97.60%
61.0	44.133	4.223	3704.927	0.10%	97.72%
62.0	43.848	4.239	3709.166	0.10%	97.83%
63.0	43.702	4.258	3713.424	0.10%	97.94%
64.0	43.277	4.268	3717.692	0.10%	98.05%
65.0	42.634	4.252	3721.944	0.10%	98.17%
66.0	41.661	4.206	3726.15	0.10%	98.28%
67.0	40.395	4.126	3730.276	0.10%	98.38%
68.0	38.991	4.021	3734.297	0.10%	98.49%
69.0	37.842	3.920	3738.217	0.10%	98.59%
70.0	36.533	3.820	3742.037	0.09%	98.70%
71.0	34.931	3.694	3745.73	0.09%	98.79%
72.0	32.970	3.531	3749.261	0.09%	98.89%
73.0	30.454	3.317	3752.577	0.08%	98.97%
74.0	28.135	3.080	3755.658	0.07%	99.05%
75.0	26.284	2.875	3758.533	0.07%	99.13%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	24.887	2.716	3761.249	0.07%	99.20%
77.0	23.826	2.597	3763.846	0.06%	99.27%
78.0	22.970	2.505	3766.351	0.06%	99.34%
79.0	22.202	2.427	3768.778	0.06%	99.40%
80.0	21.580	2.360	3771.139	0.06%	99.46%
81.0	20.936	2.299	3773.438	0.06%	99.52%
82.0	20.388	2.241	3775.679	0.05%	99.58%
83.0	19.832	2.186	3777.865	0.05%	99.64%
84.0	19.269	2.130	3779.995	0.05%	99.70%
85.0	18.727	2.074	3782.069	0.05%	99.75%
86.0	17.930	2.004	3784.073	0.05%	99.80%
87.0	17.308	1.929	3786.001	0.05%	99.85%
88.0	16.913	1.875	3787.876	0.05%	99.90%
89.0	16.540	1.834	3789.71	0.04%	99.95%
90.0	16.342	1.803	3791.513	0.04%	100.00%

Zonal flux distribution table

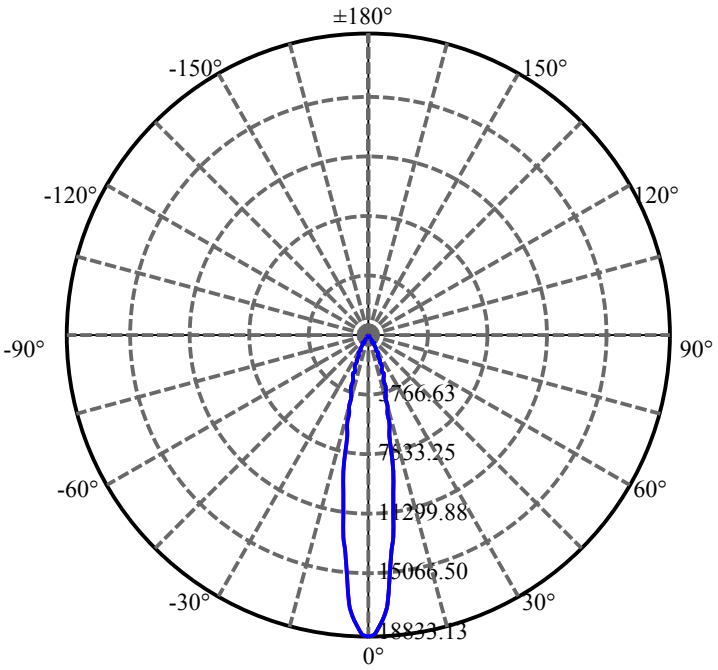
ZONAL LUMEN SUMMARY

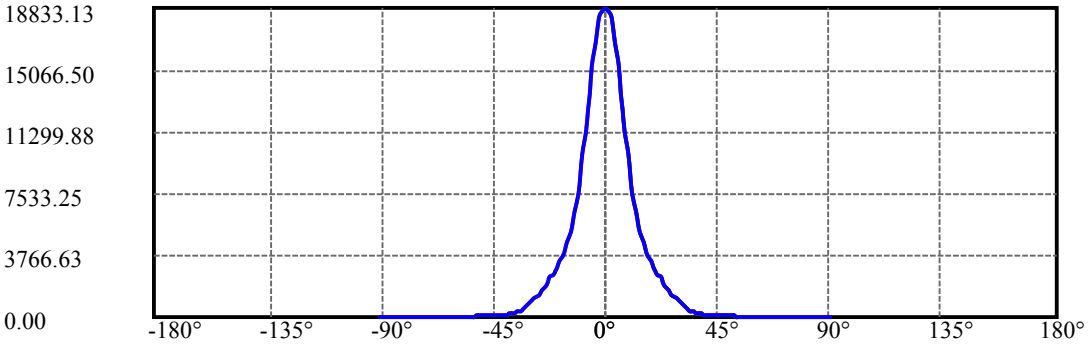
Zone	Lumens	%Lamp	%Fixt
0-30	3341.35	81.36%	88.13%
0-40	3582.16	87.22%	94.48%
0-60	3700.70	90.11%	97.60%
0-90	3789.71	92.27%	99.95%
0-120	3789.71	92.27%	99.95%
0-180	3791.51	92.32%	100.00%
60-90	89.01	2.17%	2.35%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.14	3033.21	73.85%	80.00%

ZONAL LUMEN SUMMARY

0-10	1239.63
10-20	1319.95
20-30	781.77
30-40	240.80
40-50	72.81
50-60	45.73
60-70	41.33
70-80	29.10
80-90	18.57
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):

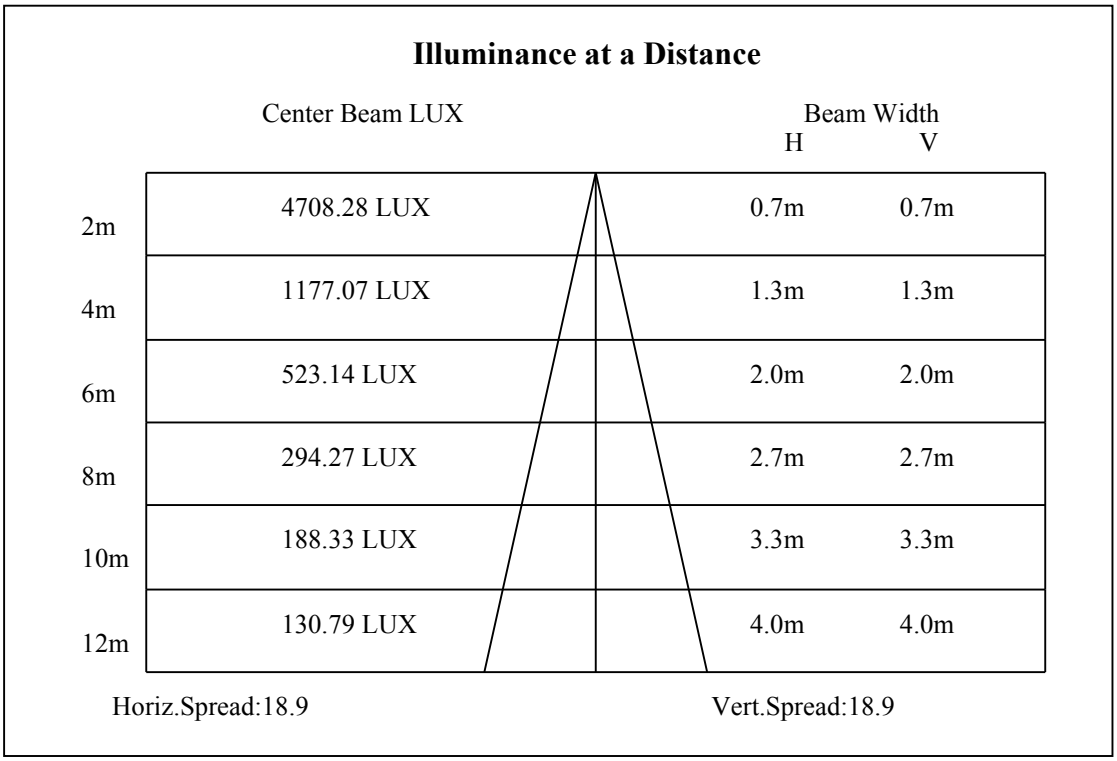
C0/C180:

C90/C270:

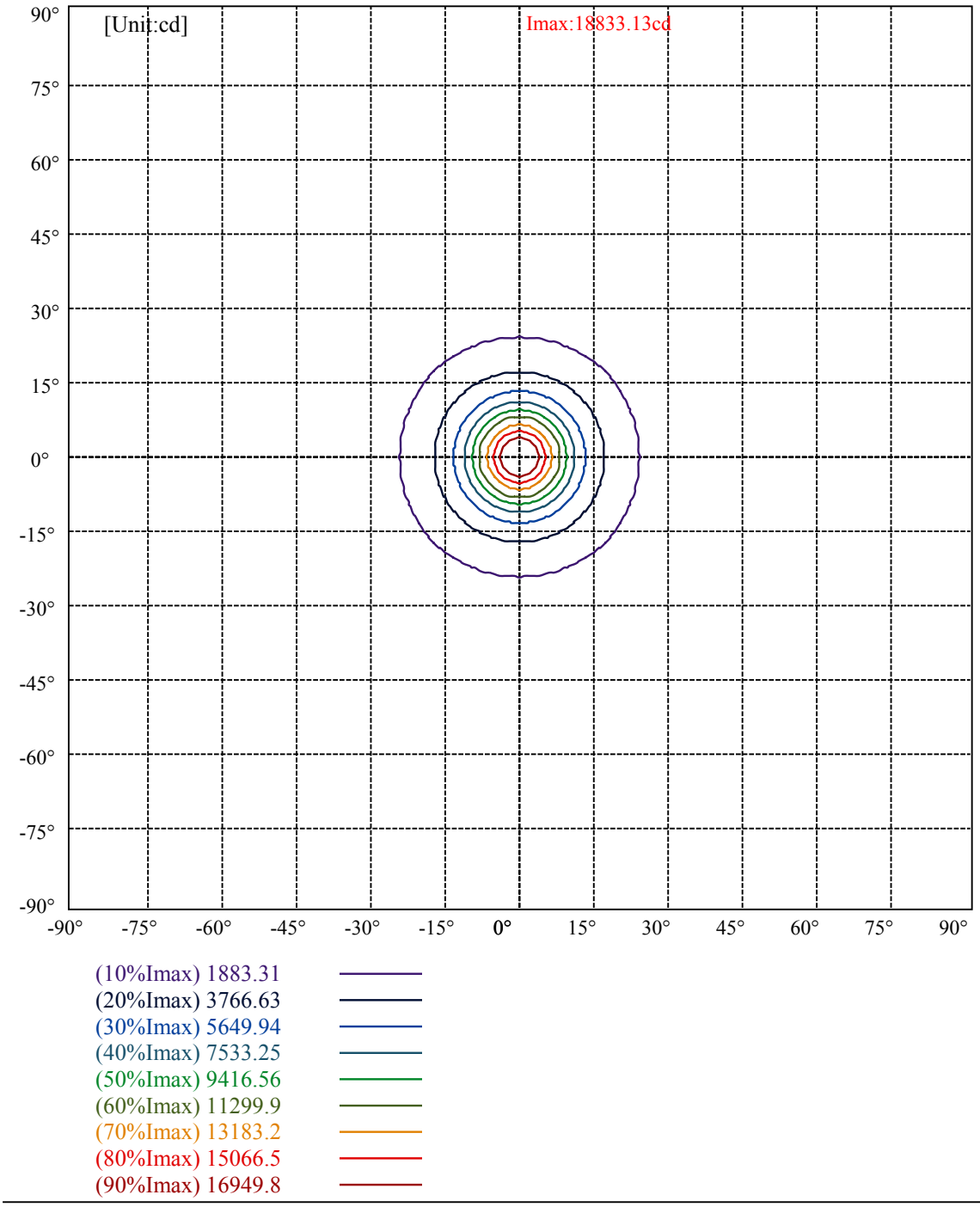
Field angle(10%Imax):C0/180Left:23.9 Right:23.9
:C90/270Left:23.9 Right:23.9

Beam Angle(50%Imax):C0/180Left:9.4 Right:9.4
:C90/270Left:9.4 Right:9.4

Lux distance Curve



ISO-Intensity(V-H)

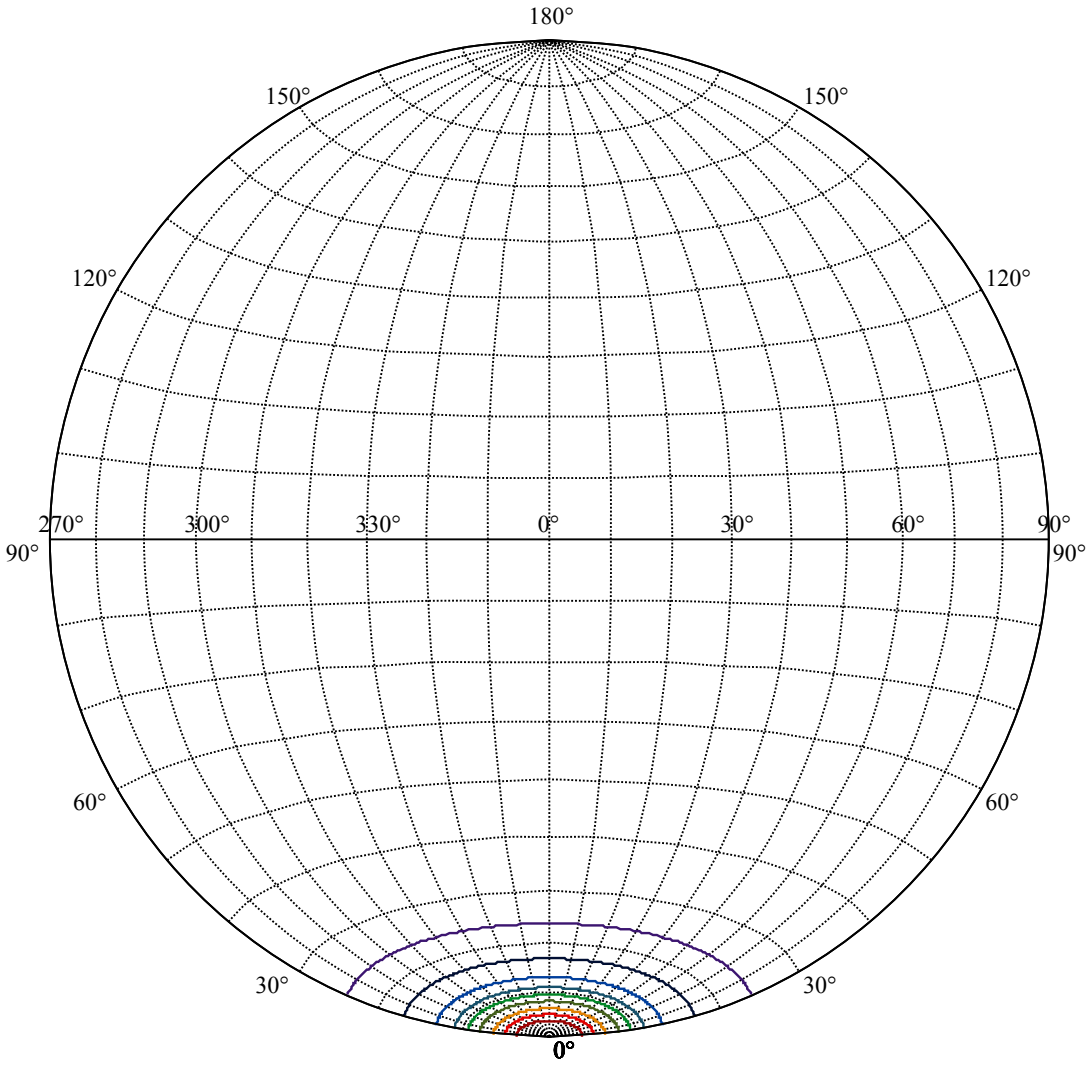


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



[Unit:cd]

Imax:18833.13

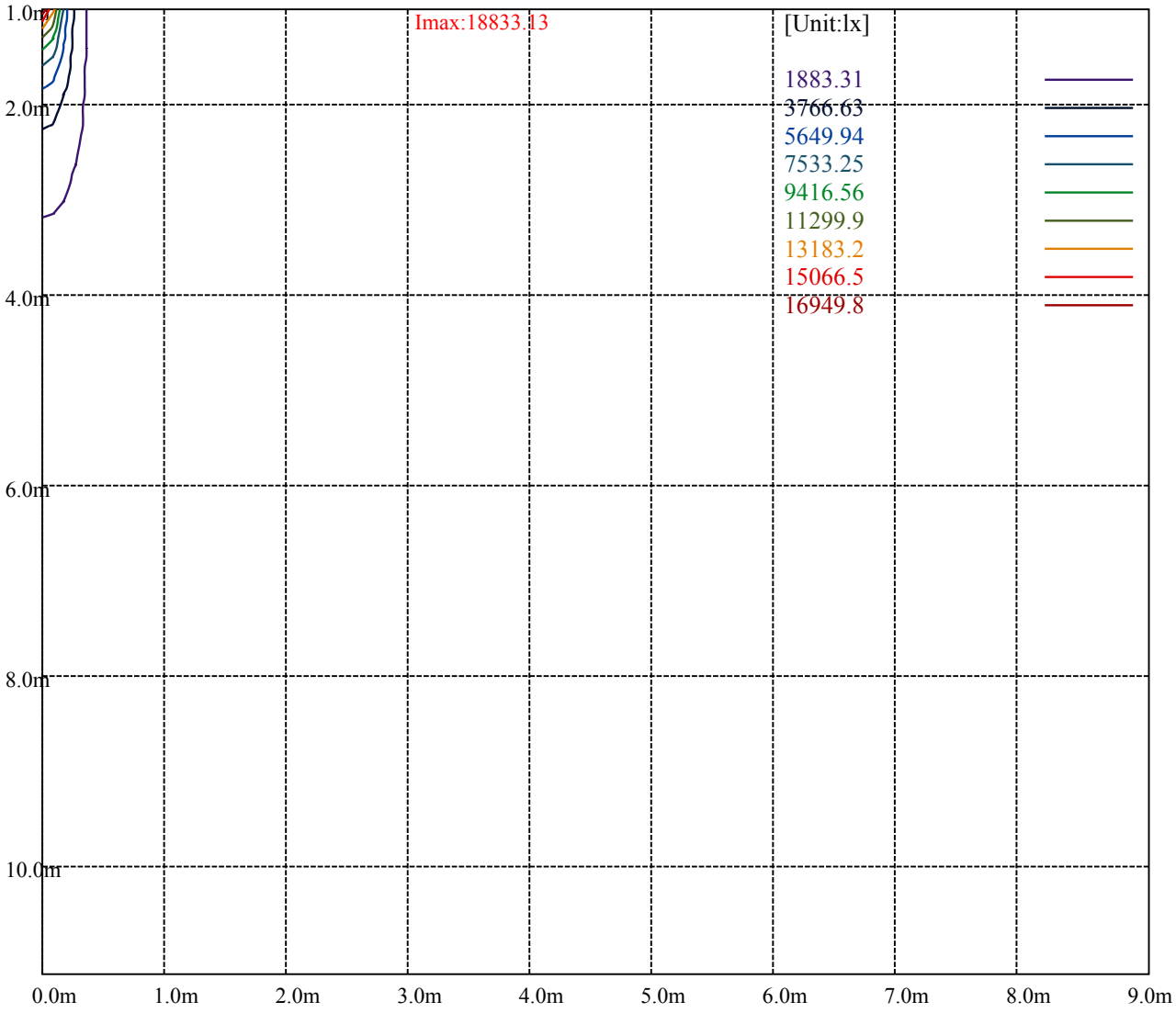
(10%Imax) 1883.31
(20%Imax) 3766.63
(30%Imax) 5649.94
(40%Imax) 7533.25
(50%Imax) 9416.56
(60%Imax) 11299.9
(70%Imax) 13183.2
(80%Imax) 15066.5
(90%Imax) 16949.8

Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
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 2-2518-L

Luminance Limitting Curve(no luminous side)

Luminance Table

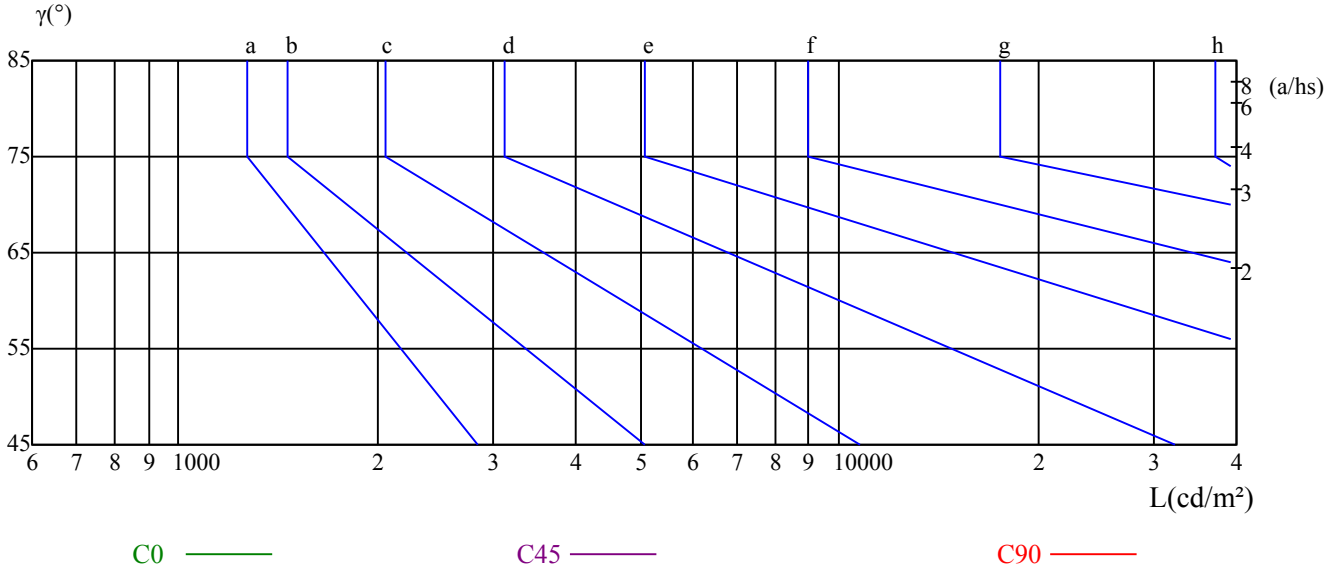
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

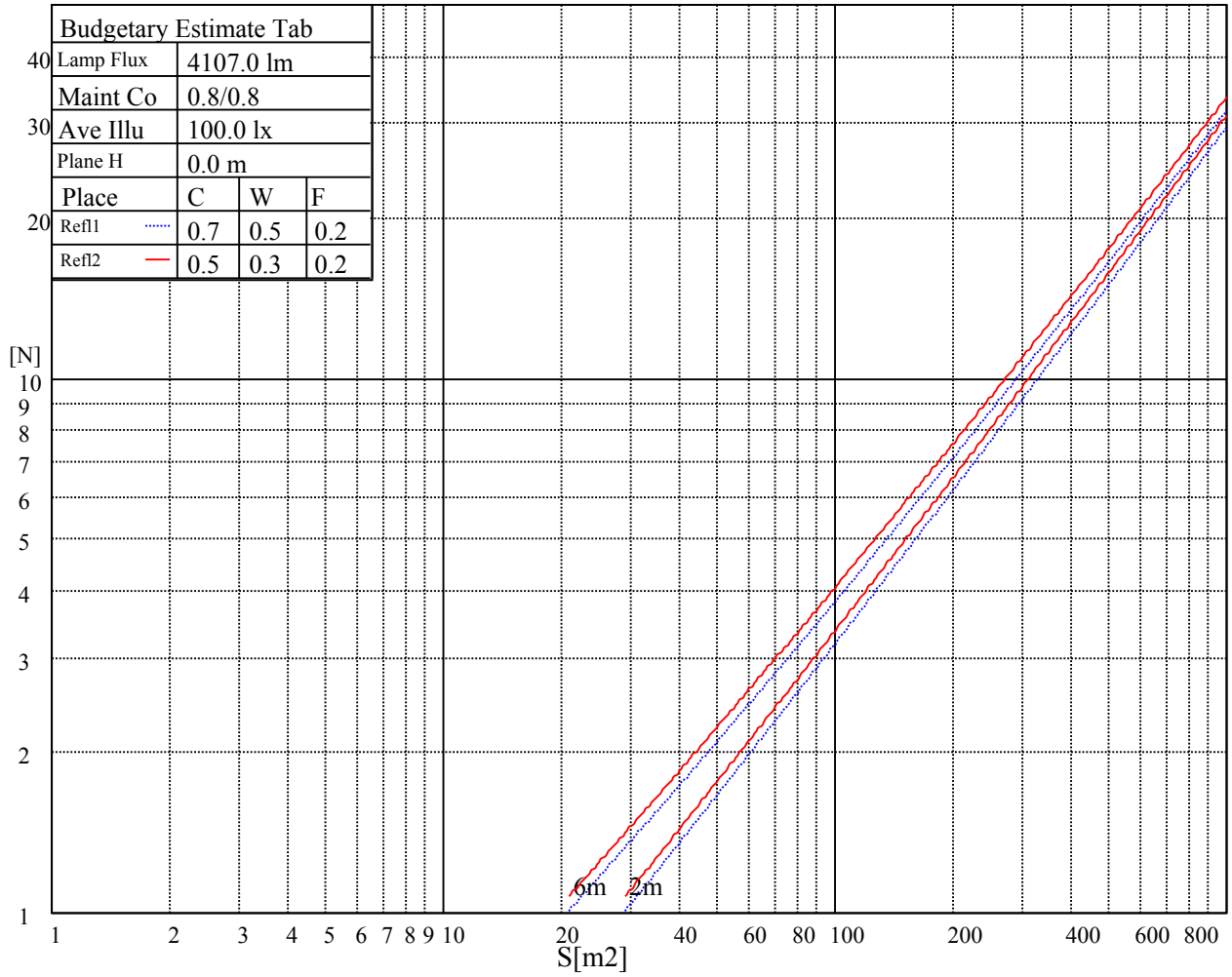
Luminance Limitting Curve



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

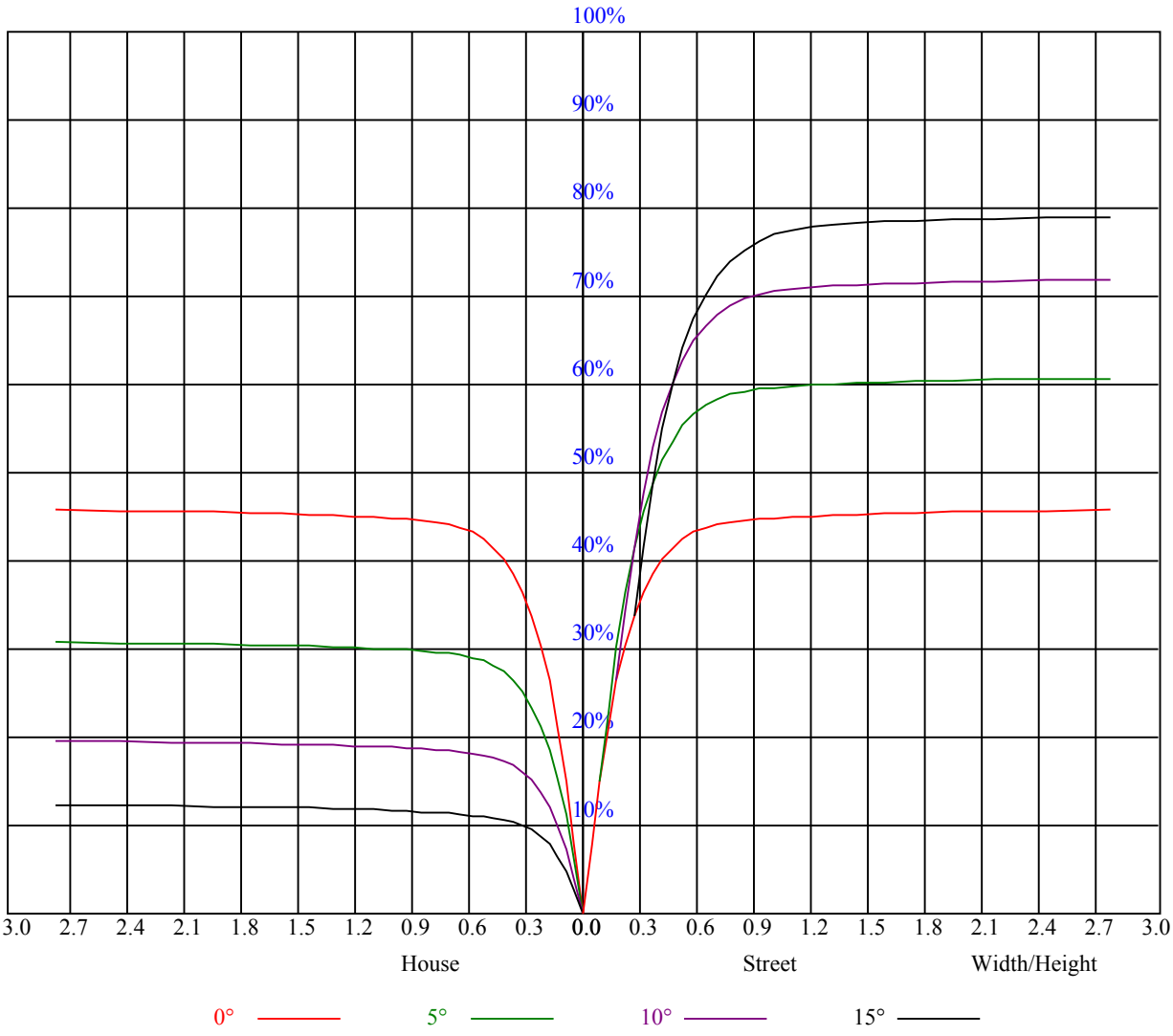


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

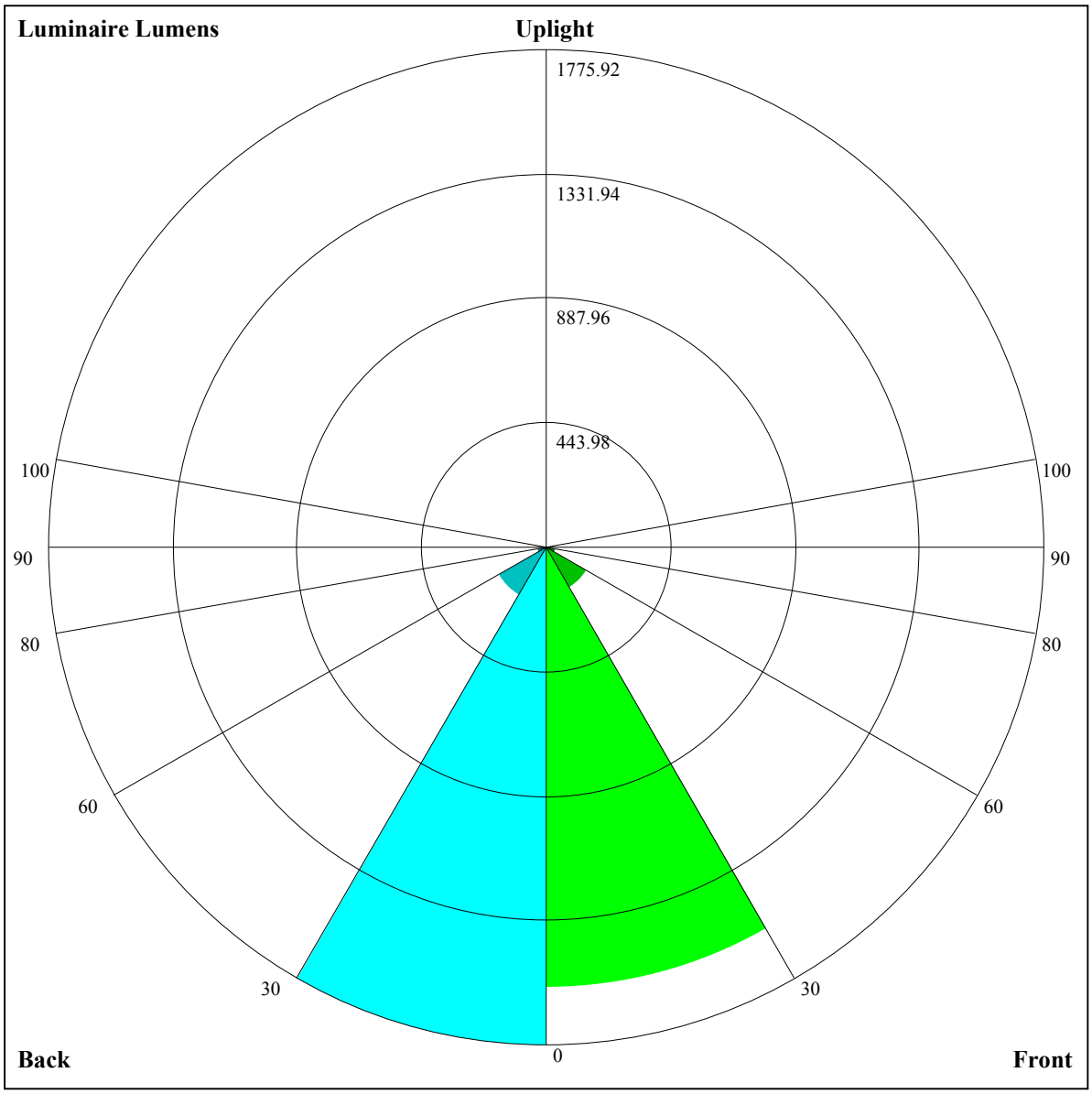
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.10	1.10	1.10	1.07	1.07	1.07	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.01	0.99	1.01	0.99	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
2	0.98	0.94	0.92	0.96	0.93	0.91	0.93	0.91	0.89	0.90	0.89	0.87	0.88	0.86	0.85	0.84
3	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.85	0.83	0.81	0.80
4	0.88	0.84	0.81	0.87	0.84	0.81	0.86	0.82	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
5	0.85	0.80	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.81	0.77	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
7	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.69
8	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.73	0.70	0.67	0.66
9	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.70	0.68	0.65	0.64
10	0.71	0.67	0.64	0.70	0.66	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.69	0.66	0.63	0.62

Coefficient Utilization Curve



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

LCS Graph



Luminaire Lumens:
FL=1571.85,FM=163.18,FH=36.53,FVH=10.13
BL=1775.92,BM=198.8,BH=34.05,BVH=10.25
UL=0,UH=0

BUG Rating:B3-U0-G1

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

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	18759.97	18373.72	17770.94	16893.10	15412.49	11671.20	11671.20	10964.25	9548.59
45.0	18882.87	18806.79	18543.44	17817.76	16916.51	15722.65	14400.05	12673.63	11304.21
90.0	18888.72	18695.60	18116.23	17367.14	16307.88	15026.24	11614.43	11614.43	10582.68
135.0	18800.94	18912.13	18841.90	18473.21	17940.66	16799.47	15693.39	14423.46	12773.12
180.0	18759.97	18906.28	18812.64	18484.92	17975.77	16969.18	15974.30	14827.26	13200.34
225.0	18882.87	18783.38	18274.24	17689.01	16588.79	15517.83	13334.94	11595.71	11253.35
270.0	18888.72	18859.46	18666.34	18081.11	17337.88	16383.96	14950.16	13709.48	12363.46
315.0	18800.94	18443.95	17689.01	16857.99	15804.59	14540.50	11402.00	11402.00	10011.50
360.0	18759.97	18373.72	17770.94	16893.10	15412.49	11671.20	11671.20	10964.25	9548.59

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8004.18	6963.65	6068.84	5364.82	4700.00	4267.52	3893.56	3567.59	3186.02
45.0	9923.08	8331.26	7242.74	6347.35	5475.37	4907.70	4433.66	3936.22	3602.65
90.0	8945.22	7800.52	6803.88	5829.48	5206.81	4714.05	4190.27	3809.29	3469.27
135.0	11427.10	10098.64	8875.52	7488.54	6563.88	5814.80	5206.16	4591.68	4176.17
180.0	11883.58	10560.97	8986.72	7839.67	6879.91	5931.84	5317.35	4808.21	4269.80
225.0	9981.66	8775.51	7464.60	6606.08	5889.18	5175.79	4704.10	4272.20	3898.83
270.0	10759.95	9454.90	8284.45	6985.25	6177.64	5539.74	4995.48	4433.66	4035.71
315.0	8705.28	7290.21	6357.94	5444.99	4879.08	4427.87	3944.48	3602.70	3284.34
360.0	8004.18	6963.65	6068.84	5364.82	4700.00	4267.52	3893.56	3567.59	3186.02

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2915.06	2660.49	2359.69	2136.13	1934.81	1742.27	1591.29	1325.01	1140.08
45.0	3298.33	3011.57	3011.57	2451.57	2225.08	2015.57	1806.06	1656.25	1503.50
90.0	3167.30	2817.92	2568.03	2319.31	2091.65	1852.30	1706.57	1523.40	1158.57
135.0	3813.33	3403.67	3122.76	2988.16	2988.16	2308.77	2093.99	1909.06	1724.13
180.0	3906.96	3567.53	3251.51	2964.75	2964.75	2411.19	2173.00	1937.15	1786.75
225.0	3479.22	3184.85	2903.36	2636.50	2333.35	2114.48	1889.16	1742.86	1601.82
270.0	3684.58	3356.85	2976.45	2976.45	2706.14	2175.34	1960.56	1802.55	1612.35
315.0	2946.08	2678.63	2430.50	2204.60	1951.20	1791.43	1653.90	1499.99	1135.63
360.0	2915.06	2660.49	2359.69	2136.13	1934.81	1742.27	1591.29	1325.01	1140.08

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1103.79	960.30	824.70	658.67	538.58	430.73	337.03	249.31	214.66
45.0	1311.55	1161.73	977.97	836.93	701.16	576.51	434.88	340.66	303.21
90.0	1158.57	1091.62	917.22	779.99	613.49	492.41	388.36	301.16	233.21
135.0	1564.95	1413.38	1227.86	1087.41	950.46	780.75	647.32	525.59	388.65
180.0	1644.54	1460.19	1313.89	1170.51	994.94	853.90	715.20	554.85	438.39
225.0	1319.74	1144.00	1144.00	1004.89	832.31	698.70	571.65	457.53	335.57
270.0	1468.39	1322.67	1136.57	1002.55	861.51	691.79	570.65	458.87	359.97
315.0	1135.63	1030.11	887.20	721.88	597.40	484.39	357.75	280.44	222.09
360.0	1103.79	960.30	824.70	658.67	538.58	430.73	337.03	249.31	214.66

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	192.19	168.54	151.75	136.18	119.33	107.97	97.85	87.26	80.53
45.0	303.21	198.10	178.14	160.23	144.02	126.64	114.70	104.93	94.10
90.0	206.35	186.63	168.54	148.82	134.95	122.84	110.14	101.07	93.46
135.0	297.94	297.94	226.77	177.85	160.47	144.90	131.21	116.75	107.04
180.0	335.39	313.15	313.15	179.37	161.35	145.43	128.52	117.10	107.27
225.0	264.11	224.20	195.70	176.04	159.36	141.45	129.45	119.15	107.10
270.0	298.52	298.52	201.67	181.48	159.53	144.26	131.21	117.51	107.04
315.0	200.73	182.30	165.50	146.72	133.31	121.32	111.19	100.13	92.93
360.0	192.19	168.54	151.75	136.18	119.33	107.97	97.85	87.26	80.53

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	74.44	68.12	64.49	61.10	58.23	55.42	53.31	51.32	49.63
45.0	86.79	79.94	73.09	68.76	63.85	60.28	57.70	55.19	52.26
90.0	85.03	78.65	73.74	68.18	63.97	60.69	57.70	54.13	51.85
135.0	98.14	89.25	82.87	75.67	71.40	66.95	63.09	59.34	56.53
180.0	96.39	89.13	82.63	75.32	71.10	65.55	61.62	58.64	56.01
225.0	99.25	91.65	84.39	77.72	72.68	68.24	64.55	60.57	57.41
270.0	95.63	88.13	81.05	75.49	69.93	65.66	61.86	58.82	55.13
315.0	86.38	79.36	74.97	70.70	66.01	63.09	60.28	56.94	54.48
360.0	74.44	68.12	64.49	61.10	58.23	55.42	53.31	51.32	49.63

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	47.87	46.47	45.12	44.54	44.36	44.30	44.59	45.24	45.94
45.0	50.50	49.22	48.05	47.23	47.40	48.16	49.22	50.74	52.32
90.0	50.10	48.69	46.58	45.59	45.24	45.47	46.41	48.16	49.51
135.0	53.78	51.50	49.28	47.70	46.12	44.95	43.48	42.49	41.14
180.0	52.79	50.62	48.75	47.17	45.59	44.13	43.07	41.90	40.91
225.0	54.72	51.97	50.15	47.93	46.35	45.06	43.66	42.19	41.08
270.0	52.55	50.27	48.40	45.94	44.36	42.96	41.96	40.91	39.68
315.0	52.32	50.39	48.05	46.64	45.35	44.07	42.49	41.43	40.20
360.0	47.87	46.47	45.12	44.54	44.36	44.30	44.59	45.24	45.94

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	46.82	47.52	47.93	47.70	46.47	45.12	43.60	40.20	36.05
45.0	54.07	54.89	55.19	54.60	53.20	51.62	50.50	49.51	47.64
90.0	50.27	50.91	51.27	50.50	49.16	47.40	46.00	45.82	45.18
135.0	40.67	40.56	40.15	39.91	39.74	39.15	38.68	37.86	37.16
180.0	40.15	39.03	37.81	36.40	34.76	33.30	32.07	30.96	29.50
225.0	39.85	37.92	36.40	34.88	33.07	31.19	29.96	28.62	27.33
270.0	38.80	37.69	36.17	34.41	32.89	31.43	30.26	28.85	27.68
315.0	38.98	37.69	36.17	34.88	33.88	32.71	31.66	30.43	28.91
360.0	46.82	47.52	47.93	47.70	46.47	45.12	43.60	40.20	36.05

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	32.54	29.20	27.33	25.63	24.35	23.58	22.94	22.30	21.54
45.0	43.89	38.98	32.30	28.79	26.45	24.70	23.82	22.88	22.18
90.0	42.02	35.52	31.31	27.27	25.34	24.11	23.12	22.41	21.77
135.0	36.34	34.82	32.66	30.37	27.86	25.81	24.23	22.88	22.24
180.0	28.50	27.68	26.92	25.93	25.16	24.46	23.70	23.12	22.47
225.0	26.51	25.69	24.64	23.88	23.23	22.47	21.89	21.30	20.78
270.0	26.80	25.87	25.11	24.46	23.70	23.06	22.30	21.71	21.19
315.0	27.15	25.87	24.81	23.94	23.00	22.41	21.77	21.01	20.48
360.0	32.54	29.20	27.33	25.63	24.35	23.58	22.94	22.30	21.54

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	21.01	20.42	19.96	19.49	19.02	17.79	17.32	16.97	16.62
45.0	21.59	20.83	20.25	19.78	19.25	18.43	17.21	16.80	16.39
90.0	21.07	20.54	19.90	19.25	18.55	17.32	16.85	16.44	16.15
135.0	21.48	20.89	20.31	19.66	19.20	18.55	17.38	17.03	16.62
180.0	21.89	21.42	20.78	20.19	19.66	18.90	18.43	17.97	17.38
225.0	20.13	19.61	19.14	18.55	18.08	17.62	17.21	16.80	16.44
270.0	20.48	19.96	19.43	18.79	18.32	17.73	17.26	16.91	16.44
315.0	19.84	19.43	18.90	18.43	17.73	17.09	16.80	16.39	16.27
360.0	21.01	20.42	19.96	19.49	19.02	17.79	17.32	16.97	16.62

Intensity data(cd)

C/γ(°)	90.0
0.0	16.56
45.0	16.27
90.0	16.15
135.0	16.21
180.0	16.80
225.0	16.27
270.0	16.27
315.0	16.21
360.0	16.56