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: 2-2755-L
Luminaire: 92.70.412.00
Report No: 2024813-B023
Ballast type: AC

Test No: 2024813-C023	Voltage(V): 35.090
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.702
Lamp flux(lm): 4107.0	Power (W): 24.633
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3873.01, Efficiency(%): 94.30% , Luminous Efficacy(lm/W): 157.23
Central intensity(cd): 13819.210, Maximum intensity(cd): 13819.210
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=25.0
[C90/270]Total=25.0
Field angle(10%Imax): [C0/180]Total=55.2
[C90/270]Total=55.2
Maximum s/h(1/2): C0_180=0.42 C90_270=0.42
Maximum s/h(1/4): C0_180=0.44 C90_270=0.44
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.30%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.939%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	13819.211	0.000	0	0.00%	0.00%
1.0	13755.567	13.194	13.194	0.32%	0.34%
2.0	13569.027	39.219	52.413	0.95%	1.35%
3.0	13234.717	64.106	116.519	1.56%	3.01%
4.0	12544.678	86.292	202.81	2.10%	5.24%
5.0	12099.117	106.016	308.827	2.58%	7.97%
6.0	11643.373	124.773	433.6	3.04%	11.20%
7.0	10989.531	140.482	574.082	3.42%	14.82%
8.0	10271.313	152.160	726.242	3.70%	18.75%
9.0	9513.813	160.348	886.589	3.90%	22.89%
10.0	8794.791	165.686	1052.276	4.03%	27.17%
11.0	8030.340	168.118	1220.393	4.09%	31.51%
12.0	7253.235	167.071	1387.465	4.07%	35.82%
13.0	6504.732	163.272	1550.737	3.98%	40.04%
14.0	5834.430	157.940	1708.677	3.85%	44.12%
15.0	5154.837	150.866	1859.543	3.67%	48.01%
16.0	4551.617	142.227	2001.77	3.46%	51.69%
17.0	4037.789	133.760	2135.53	3.26%	55.14%
18.0	3584.167	125.670	2261.199	3.06%	58.38%
19.0	3194.553	117.936	2379.135	2.87%	61.43%
20.0	2896.674	111.486	2490.621	2.71%	64.31%
21.0	2714.083	107.738	2598.359	2.62%	67.09%
22.0	2468.377	104.144	2702.503	2.54%	69.78%
23.0	2181.558	97.568	2800.071	2.38%	72.30%
24.0	2010.160	91.646	2891.717	2.23%	74.66%
25.0	1830.350	87.325	2979.042	2.13%	76.92%
26.0	1675.119	82.747	3061.789	2.01%	79.05%
27.0	1481.600	77.230	3139.019	1.88%	81.05%
28.0	1318.819	70.901	3209.919	1.73%	82.88%
29.0	1204.122	66.007	3275.927	1.61%	84.58%
30.0	1070.808	61.423	3337.349	1.50%	86.17%
31.0	929.242	55.659	3393.008	1.36%	87.61%
32.0	782.234	49.032	3442.04	1.19%	88.87%
33.0	659.278	42.467	3484.507	1.03%	89.97%
34.0	552.774	36.680	3521.187	0.89%	90.92%
35.0	468.063	31.703	3552.891	0.77%	91.73%
36.0	395.217	27.487	3580.378	0.67%	92.44%
37.0	338.816	23.940	3604.318	0.58%	93.06%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	288.406	20.936	3625.254	0.51%	93.60%
39.0	256.826	18.610	3643.864	0.45%	94.08%
40.0	229.584	16.964	3660.828	0.41%	94.52%
41.0	175.055	14.409	3675.237	0.35%	94.89%
42.0	148.501	11.755	3686.993	0.29%	95.20%
43.0	127.608	10.228	3697.221	0.25%	95.46%
44.0	110.790	8.998	3706.218	0.22%	95.69%
45.0	97.974	8.023	3714.241	0.20%	95.90%
46.0	87.784	7.265	3721.506	0.18%	96.09%
47.0	79.964	6.672	3728.178	0.16%	96.26%
48.0	73.753	6.214	3734.392	0.15%	96.42%
49.0	69.174	5.869	3740.261	0.14%	96.57%
50.0	65.392	5.610	3745.872	0.14%	96.72%
51.0	61.829	5.383	3751.254	0.13%	96.86%
52.0	59.005	5.185	3756.439	0.13%	96.99%
53.0	56.430	5.021	3761.461	0.12%	97.12%
54.0	54.543	4.891	3766.352	0.12%	97.25%
55.0	52.604	4.783	3771.135	0.12%	97.37%
56.0	50.512	4.660	3775.794	0.11%	97.49%
57.0	48.420	4.523	3780.318	0.11%	97.61%
58.0	46.730	4.400	3784.718	0.11%	97.72%
59.0	45.128	4.294	3789.012	0.10%	97.83%
60.0	43.526	4.188	3793.201	0.10%	97.94%
61.0	41.449	4.055	3797.256	0.10%	98.04%
62.0	39.547	3.903	3801.159	0.10%	98.14%
63.0	37.930	3.768	3804.927	0.09%	98.24%
64.0	36.642	3.659	3808.586	0.09%	98.34%
65.0	34.931	3.542	3812.128	0.09%	98.43%
66.0	33.255	3.402	3815.53	0.08%	98.52%
67.0	31.866	3.274	3818.805	0.08%	98.60%
68.0	30.644	3.167	3821.971	0.08%	98.68%
69.0	29.408	3.064	3825.035	0.07%	98.76%
70.0	28.120	2.955	3827.989	0.07%	98.84%
71.0	26.869	2.842	3830.831	0.07%	98.91%
72.0	25.845	2.741	3833.572	0.07%	98.98%
73.0	25.004	2.659	3836.231	0.06%	99.05%
74.0	24.243	2.589	3838.82	0.06%	99.12%
75.0	23.446	2.520	3841.34	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.743	2.452	3843.792	0.06%	99.25%
77.0	22.173	2.395	3846.187	0.06%	99.31%
78.0	21.617	2.344	3848.531	0.06%	99.37%
79.0	21.046	2.292	3850.823	0.06%	99.43%
80.0	20.498	2.240	3853.063	0.05%	99.48%
81.0	19.956	2.188	3855.25	0.05%	99.54%
82.0	19.473	2.138	3857.388	0.05%	99.60%
83.0	19.005	2.092	3859.48	0.05%	99.65%
84.0	18.574	2.047	3861.527	0.05%	99.70%
85.0	18.120	2.003	3863.53	0.05%	99.76%
86.0	17.769	1.962	3865.492	0.05%	99.81%
87.0	17.447	1.927	3867.419	0.05%	99.86%
88.0	17.140	1.895	3869.314	0.05%	99.90%
89.0	16.818	1.861	3871.175	0.05%	99.95%
90.0	16.635	1.834	3873.009	0.04%	100.00%

Zonal flux distribution table

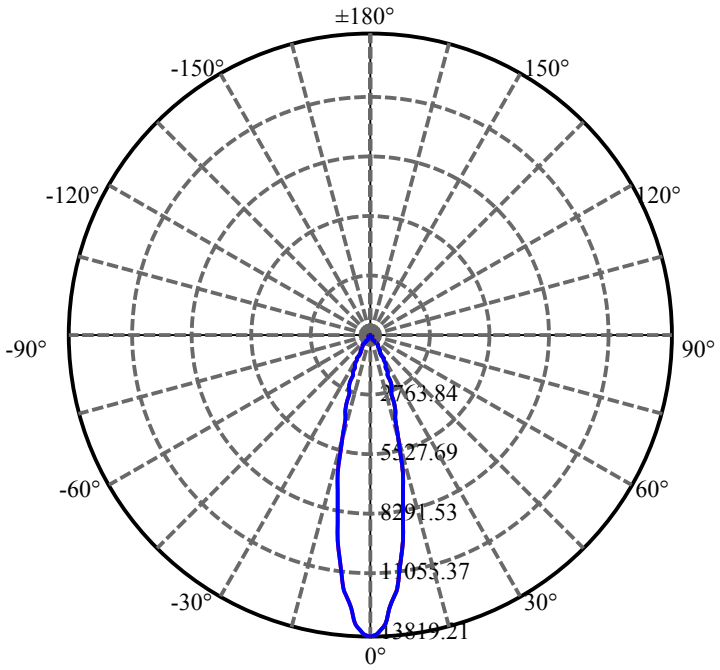
ZONAL LUMEN SUMMARY

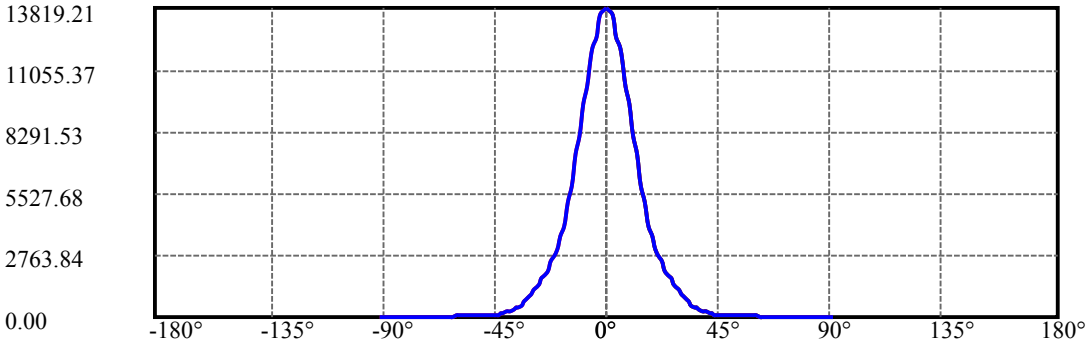
Zone	Lumens	%Lamp	%Fixt
0-30	3337.35	81.26%	86.17%
0-40	3660.83	89.14%	94.52%
0-60	3793.20	92.36%	97.94%
0-90	3871.18	94.26%	99.95%
0-120	3871.18	94.26%	99.95%
0-180	3873.01	94.30%	100.00%
60-90	77.97	1.90%	2.01%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.47	3098.41	75.44%	80.00%

ZONAL LUMEN SUMMARY

0-10	1052.28
10-20	1438.35
20-30	846.73
30-40	323.48
40-50	85.04
50-60	47.33
60-70	34.79
70-80	25.07
80-90	18.11
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):

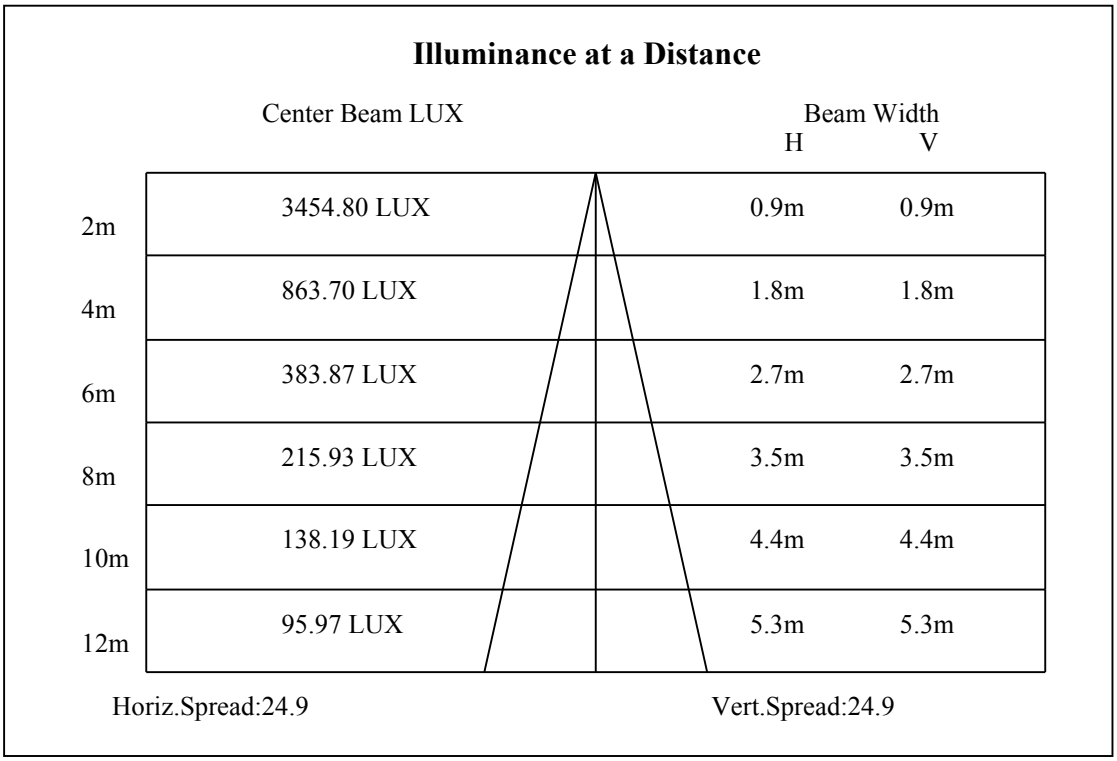
C0/C180:

C90/C270:

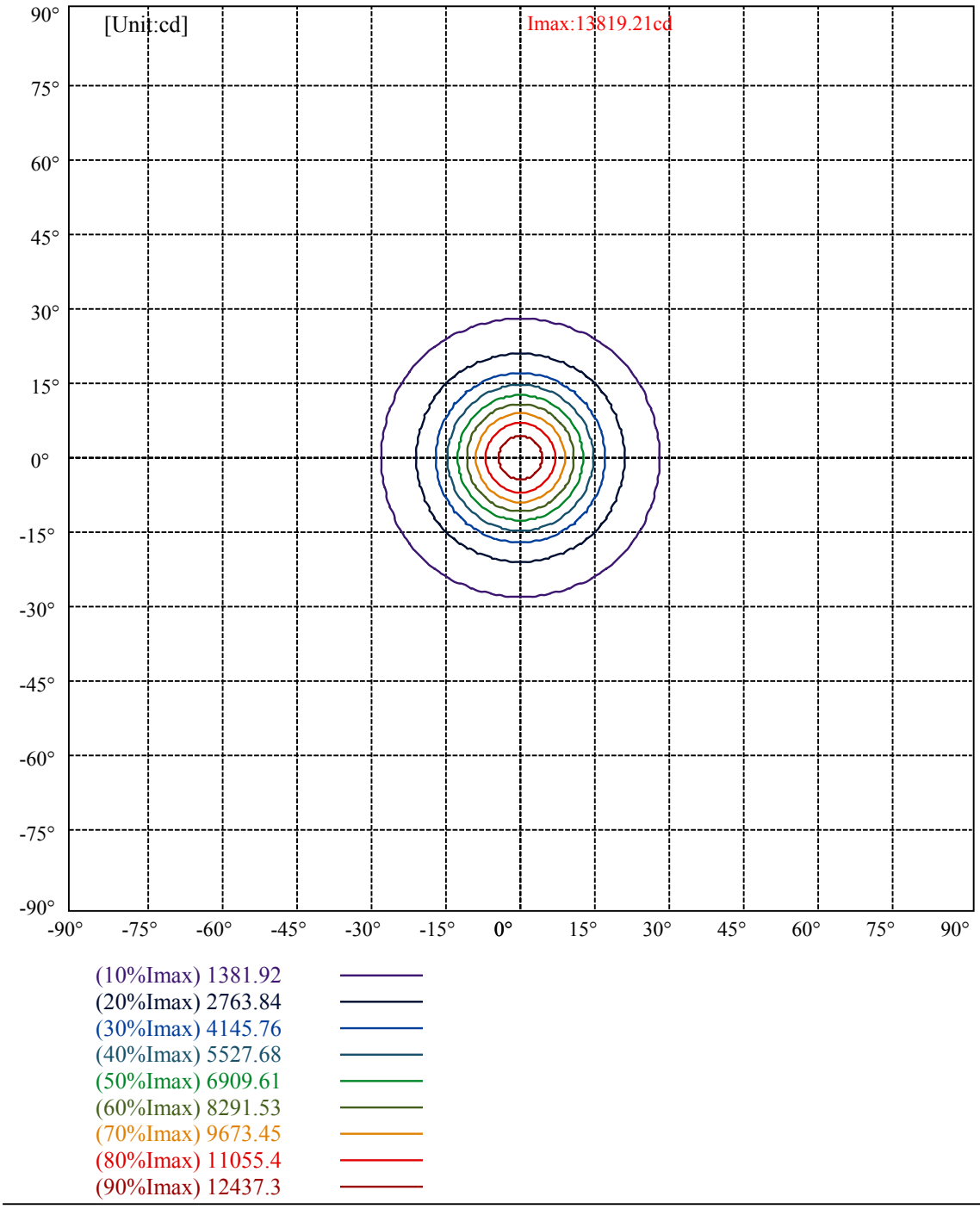
Field angle(10%Imax):C0/180Left:27.6 Right:27.6
:C90/270Left:27.6 Right:27.6

Beam Angle(50%Imax):C0/180Left:12.5 Right:12.5
:C90/270Left:12.5 Right:12.5

Lux distance Curve



ISO-Intensity(V-H)

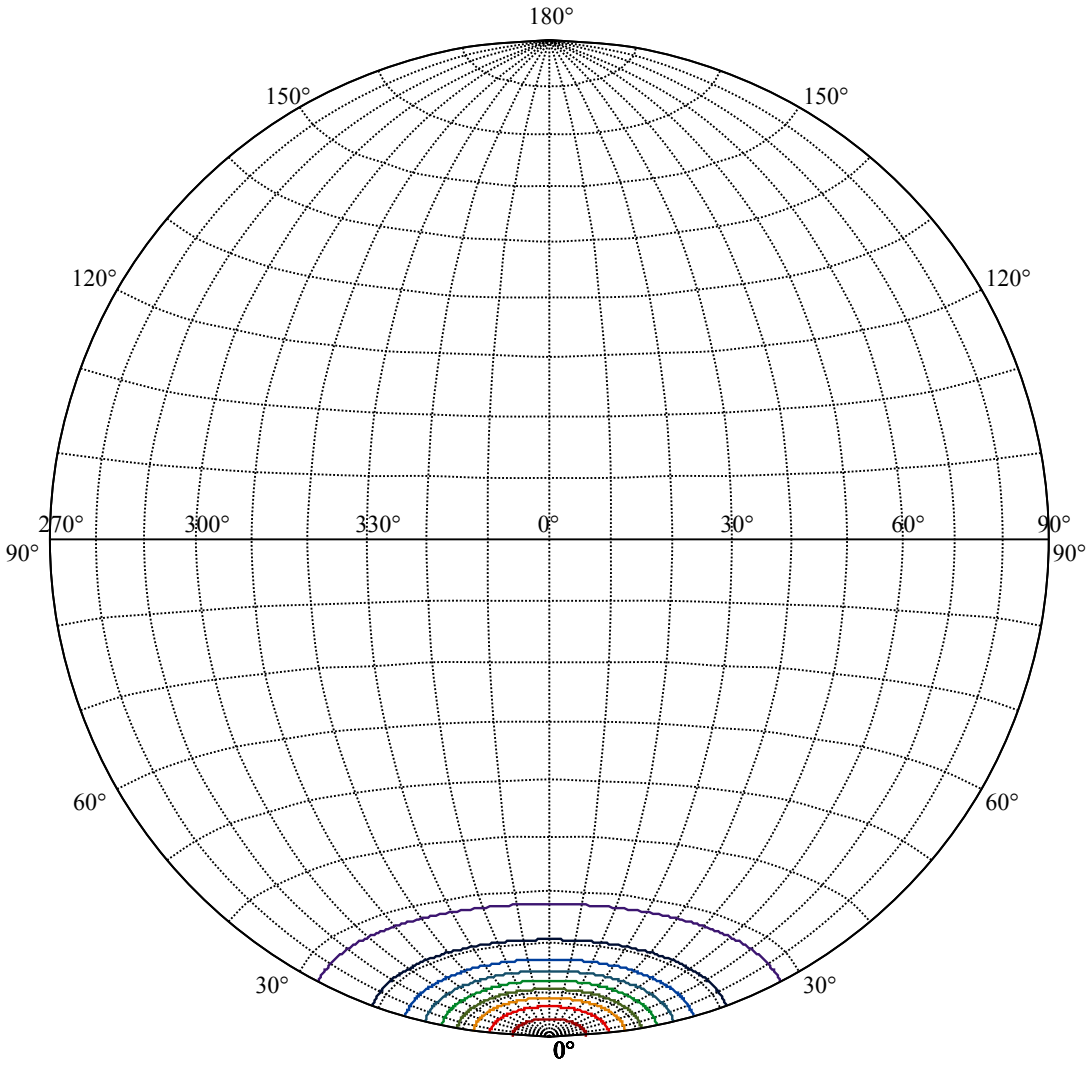


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



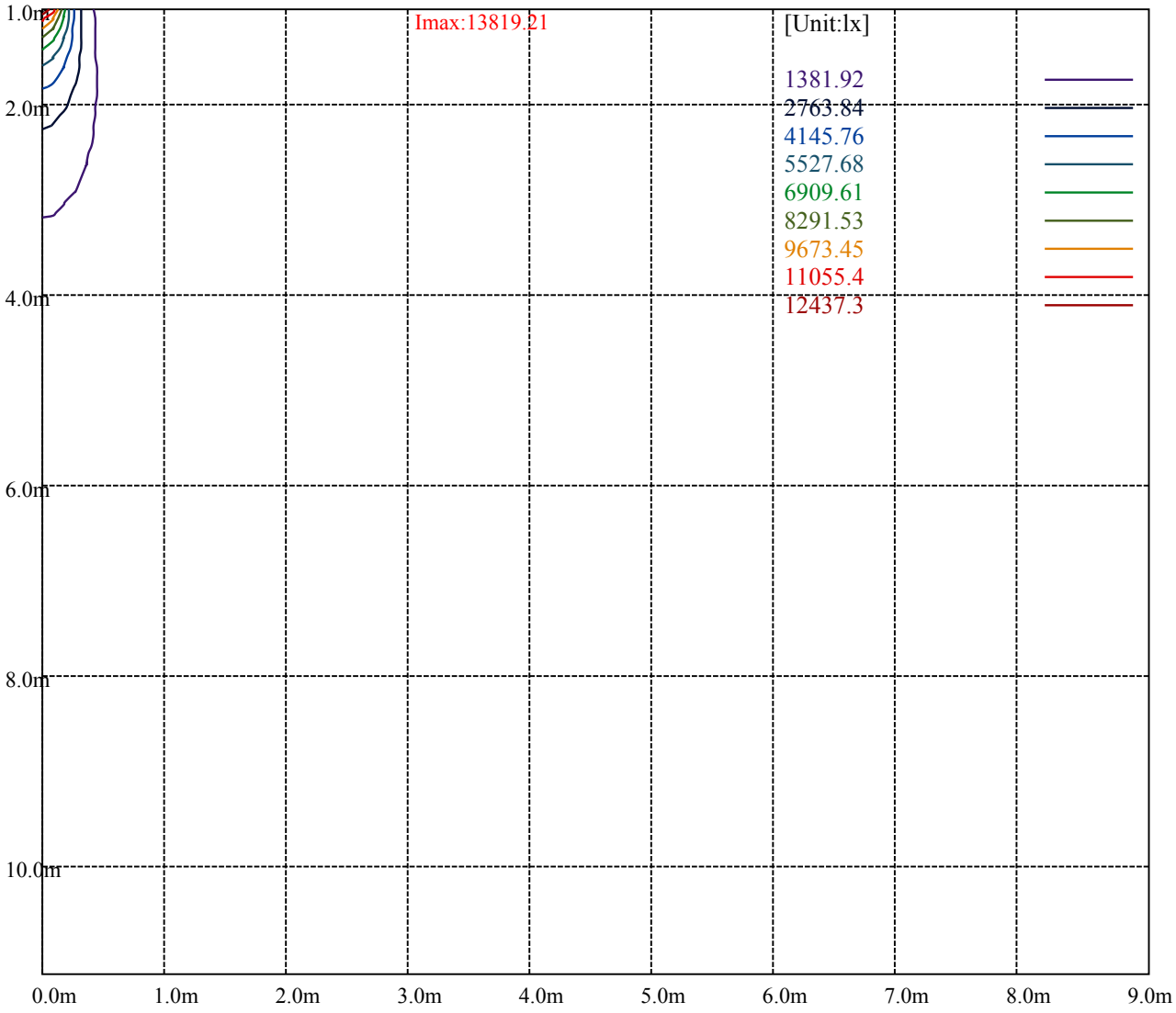
House [Unit:cd] Road

Imax:13819.21

(10%Imax) 1381.92
(20%Imax) 2763.84
(30%Imax) 4145.76
(40%Imax) 5527.68
(50%Imax) 6909.61
(60%Imax) 8291.53
(70%Imax) 9673.45
(80%Imax) 11055.4
(90%Imax) 12437.3

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

Luminance Limitting Curve(no luminous side)

Luminance Table

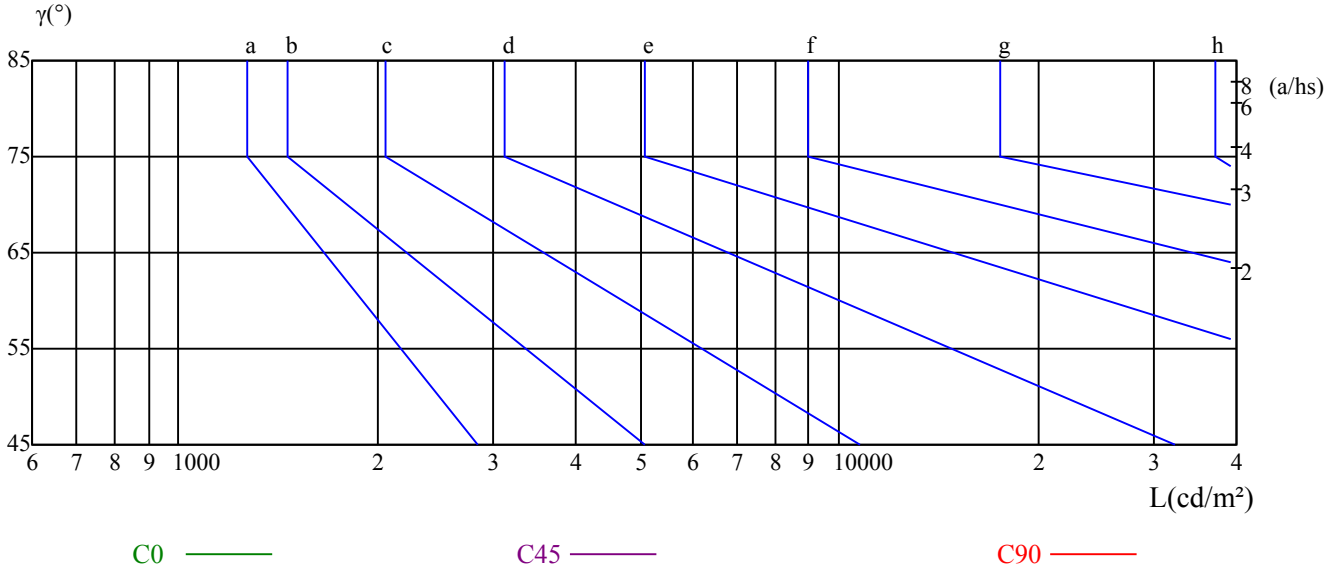
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

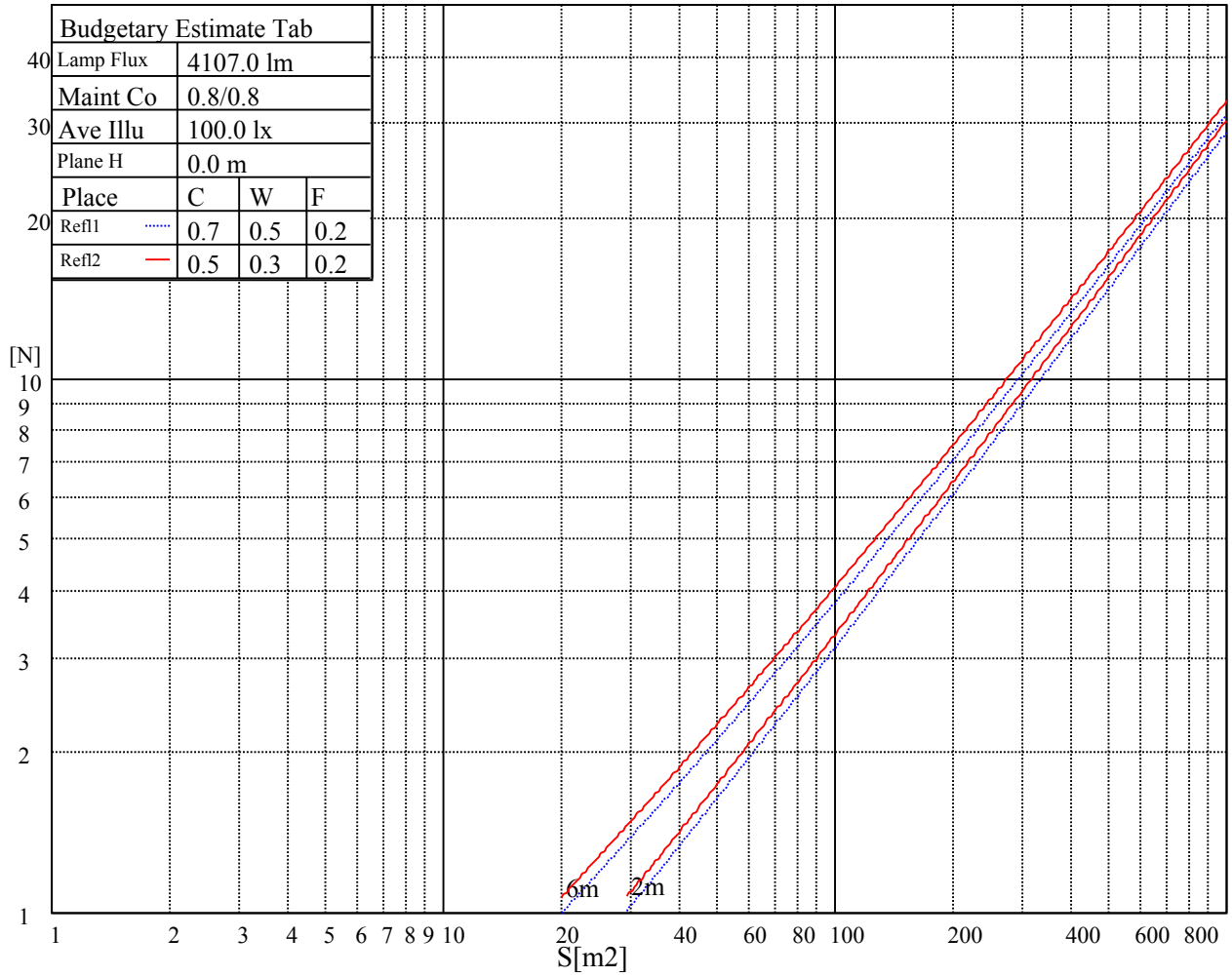
Luminance Limitting Curve



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

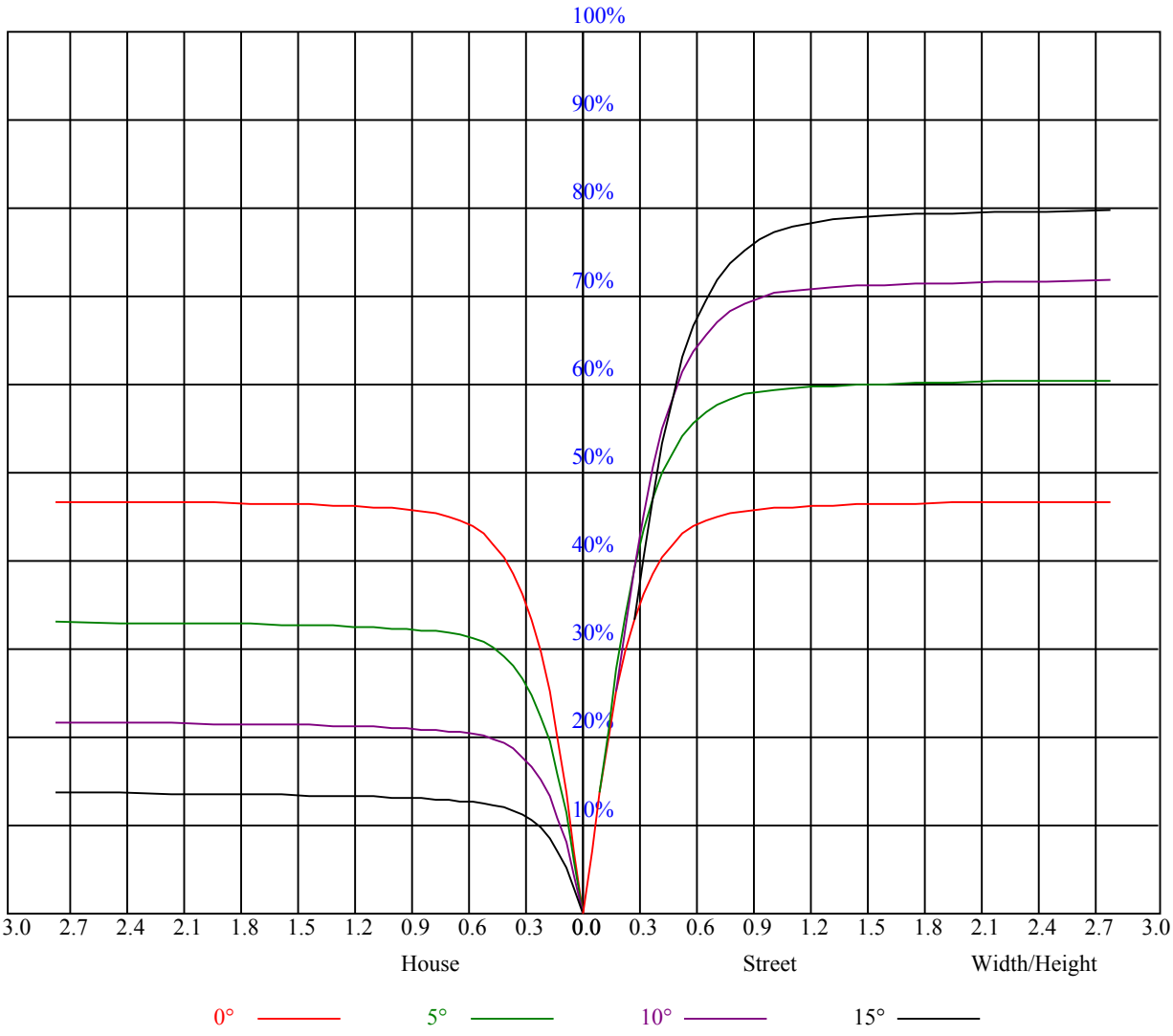


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

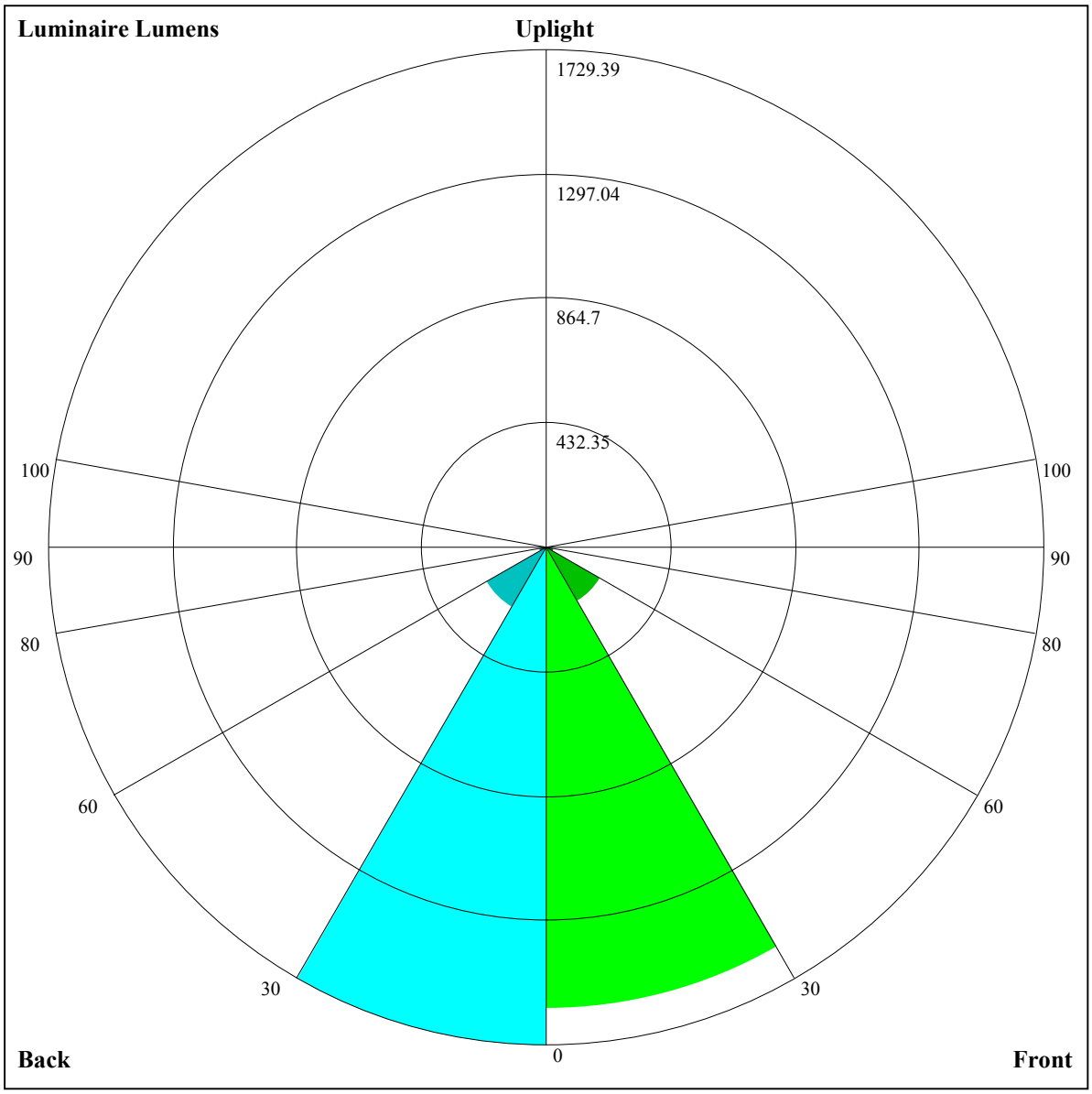
Utilization factor table for indoor luminaire

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	1.12	1.12	1.12	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.01	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.89
2	0.99	0.96	0.93	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.85
3	0.94	0.90	0.87	0.93	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.83	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.81	0.79	0.77
5	0.85	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	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	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
8	0.75	0.71	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.66
9	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.63
10	0.70	0.66	0.63	0.70	0.65	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.61

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=1601.39,FM=217.2,FH=29.58,FVH=9.89
BL=1729.39,BM=242.79,BH=30.29,BVH=10.04
UL=0,UH=0

BUG Rating:B3-U0-G1

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	13785.56	13563.17	13247.15	12808.23	11569.37	11569.37	10902.22	10205.80	9337.91
45.0	13832.38	13814.82	13621.70	13370.05	12878.46	12369.32	11836.76	11099.38	10443.93
90.0	13832.38	13662.66	13434.43	13071.59	12392.72	11591.02	11465.79	10865.35	10205.80
135.0	13826.53	13855.79	13791.41	13627.55	13206.19	12784.83	12328.35	11795.80	11111.08
180.0	13785.56	13855.79	13750.45	13580.73	13258.86	12749.71	12281.53	11754.83	11187.16
225.0	13832.38	13773.86	13574.88	13130.11	12410.28	11572.88	11572.88	10788.68	10098.12
270.0	13832.38	13855.79	13768.00	13440.28	13065.73	12580.00	11871.87	11233.98	10350.29
315.0	13826.53	13662.66	13364.20	12849.20	11575.81	11575.81	10887.58	10172.44	9436.23
360.0	13785.56	13563.17	13247.15	12808.23	11569.37	11569.37	10902.22	10205.80	9337.91

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8616.33	7901.18	7206.52	6360.87	5722.39	5131.31	4440.16	3951.50	3538.33
45.0	9770.92	9056.94	8167.40	7441.72	6745.30	6084.00	5299.80	4720.42	4193.72
90.0	9303.38	8568.34	7819.25	7078.94	6218.66	5580.18	4867.96	4337.75	3877.76
135.0	10490.74	9782.62	9068.65	8149.84	7435.87	6721.89	5867.47	5235.42	4544.86
180.0	10367.85	9642.17	8916.49	8184.96	7277.86	6558.03	5920.14	5171.05	4638.49
225.0	9363.66	8637.39	7740.24	7045.00	6362.04	5571.40	4983.25	4338.92	3880.10
270.0	9659.72	8963.31	8220.07	7330.53	6634.11	5978.66	5370.02	4656.05	4152.76
315.0	8537.91	7806.37	7104.10	6434.02	5641.63	5049.97	4489.90	4001.83	3476.30
360.0	8616.33	7901.18	7206.52	6360.87	5722.39	5131.31	4440.16	3951.50	3538.33

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3094.73	2824.94	2580.90	2330.42	2150.76	1982.22	1822.45	1634.59	1490.04
45.0	3655.32	3298.33	2988.16	2988.16	2461.51	2272.49	2059.47	1897.94	1746.96
90.0	3397.29	3071.90	2805.63	2570.95	2324.57	2146.66	1985.73	1837.67	1662.68
135.0	4064.97	3637.76	3274.92	2964.75	2964.75	2422.30	2229.18	2014.40	1853.47
180.0	4135.20	3579.24	3228.10	3005.72	3005.72	2388.36	2215.14	1998.02	1853.47
225.0	3480.39	3146.81	2781.63	2545.79	2344.47	2115.06	1954.71	1804.31	1656.83
270.0	3719.69	3233.95	2988.16	2988.16	2398.90	2192.90	2035.47	1821.86	1679.07
315.0	3125.75	2763.49	2525.89	2318.72	2096.33	1932.47	1779.14	1634.01	1458.44
360.0	3094.73	2824.94	2580.90	2330.42	2150.76	1982.22	1822.45	1634.59	1490.04

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1165.89	1165.89	1031.93	897.91	768.40	622.45	528.34	454.13	376.30
45.0	1593.04	1409.28	1267.66	1126.62	989.09	825.23	702.91	598.16	495.74
90.0	1512.87	1152.60	1152.60	1045.97	898.09	733.81	621.22	530.33	436.52
135.0	1705.40	1561.44	1385.87	1254.20	1118.42	944.61	808.84	657.85	561.29
180.0	1714.18	1562.61	1380.60	1238.39	1095.60	951.63	812.94	660.19	565.39
225.0	1479.51	1158.45	1158.45	1048.37	873.04	741.25	604.24	517.34	443.19
270.0	1535.69	1394.06	1214.40	1080.38	943.44	808.84	659.02	558.95	481.70
315.0	1146.22	1146.22	1041.47	874.62	747.86	630.05	536.71	445.24	384.38
360.0	1165.89	1165.89	1031.93	897.91	768.40	622.45	528.34	454.13	376.30

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	325.21	281.84	234.91	201.67	174.87	151.69	127.17	110.61	97.56
45.0	427.86	355.88	306.72	295.01	295.01	184.93	160.29	139.28	117.28
90.0	373.96	323.10	276.87	228.30	196.46	170.77	148.41	124.95	110.43
135.0	480.53	411.47	338.90	301.45	301.45	207.17	171.65	147.01	126.76
180.0	465.31	399.18	341.83	303.21	303.21	199.44	164.92	142.91	124.36
225.0	366.12	314.15	268.15	227.54	184.99	158.89	137.29	118.68	100.95
270.0	400.94	345.93	299.69	299.69	210.92	181.65	152.28	131.56	114.94
315.0	321.82	278.98	240.18	197.75	169.77	145.90	126.00	105.87	94.05
360.0	325.21	281.84	234.91	201.67	174.87	151.69	127.17	110.61	97.56

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	87.73	78.54	72.92	68.65	64.55	61.62	58.46	56.30	54.60
45.0	103.18	92.58	84.39	76.14	71.28	67.36	63.67	59.93	57.70
90.0	99.08	88.25	81.00	73.62	69.23	65.37	61.27	58.41	56.24
135.0	109.96	94.40	85.33	76.66	71.16	67.18	62.85	60.04	57.47
180.0	109.85	98.38	87.37	80.94	75.61	69.93	66.01	62.74	59.05
225.0	91.00	83.16	75.90	71.51	68.06	64.61	61.57	58.87	56.36
270.0	98.14	89.19	81.99	75.90	70.05	66.42	63.61	60.80	57.24
315.0	84.86	77.78	70.81	66.60	63.44	60.63	57.18	54.95	52.79
360.0	87.73	78.54	72.92	68.65	64.55	61.62	58.46	56.30	54.60

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	53.08	50.97	48.98	47.29	45.88	44.01	42.19	40.15	38.80
45.0	55.30	53.61	51.73	49.28	47.46	46.06	44.65	42.19	40.09
90.0	54.37	52.03	49.69	47.70	46.41	44.71	43.01	40.73	38.80
135.0	55.30	53.08	51.44	49.51	47.11	45.71	44.42	42.78	40.38
180.0	56.88	55.07	52.73	50.62	48.75	46.88	45.53	43.95	41.96
225.0	54.72	52.79	50.80	48.28	46.76	45.41	43.77	41.08	39.39
270.0	55.36	53.61	51.38	48.87	46.82	45.30	43.77	41.79	39.27
315.0	51.32	49.69	47.34	45.82	44.65	42.96	40.85	38.92	37.69
360.0	53.08	50.97	48.98	47.29	45.88	44.01	42.19	40.15	38.80

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	37.28	35.87	33.77	32.42	31.31	30.02	28.68	27.33	26.22
45.0	38.68	37.34	35.52	33.71	32.25	30.90	29.90	28.68	27.04
90.0	37.57	36.46	34.29	32.60	31.43	30.20	29.14	27.68	26.51
135.0	38.51	37.28	35.70	34.24	32.71	31.25	30.14	29.09	27.56
180.0	39.56	38.22	36.87	35.35	33.30	32.07	30.78	29.61	28.32
225.0	37.75	36.40	34.88	32.77	31.66	30.55	29.03	27.62	26.57
270.0	37.98	36.81	35.41	33.18	31.72	30.67	29.67	28.27	26.92
315.0	36.11	34.76	33.01	31.78	30.55	29.50	27.92	26.69	25.81
360.0	37.28	35.87	33.77	32.42	31.31	30.02	28.68	27.33	26.22

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.40	24.58	23.82	22.94	22.41	21.89	21.36	20.72	20.19
45.0	26.10	25.05	24.29	23.53	22.82	22.18	21.65	21.13	20.66
90.0	25.52	24.76	23.99	23.23	22.47	21.95	21.42	20.72	20.25
135.0	26.45	25.57	24.81	23.94	23.17	22.59	21.95	21.42	20.89
180.0	26.98	26.16	25.34	24.58	23.58	23.00	22.47	21.95	21.30
225.0	25.69	24.76	23.99	23.23	22.71	22.00	21.48	21.01	20.37
270.0	25.75	24.99	24.29	23.41	22.77	22.24	21.65	21.01	20.54
315.0	24.87	24.17	23.41	22.71	22.00	21.54	20.95	20.42	19.78
360.0	25.40	24.58	23.82	22.94	22.41	21.89	21.36	20.72	20.19

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.61	19.25	18.84	18.43	18.02	17.67	17.32	17.03	16.74
45.0	20.07	19.49	19.08	18.55	18.20	17.79	17.50	17.15	16.85
90.0	19.61	19.20	18.73	18.32	17.85	17.50	17.21	16.91	16.62
135.0	20.25	19.78	19.14	18.79	18.32	17.91	17.56	17.26	16.97
180.0	20.83	20.25	19.78	19.25	18.79	18.32	18.08	17.73	17.32
225.0	19.90	19.43	19.02	18.61	18.08	17.91	17.56	17.26	16.68
270.0	20.01	19.55	19.02	18.55	18.08	17.67	17.32	17.03	16.74
315.0	19.37	18.84	18.43	18.08	17.62	17.38	17.03	16.74	16.62
360.0	19.61	19.25	18.84	18.43	18.02	17.67	17.32	17.03	16.74

Intensity data(cd)

C/γ(°)	90.0
0.0	16.74
45.0	16.56
90.0	16.50
135.0	16.68
180.0	16.74
225.0	16.68
270.0	16.62
315.0	16.56
360.0	16.74