NATA LIGHTING CO.,LTD.
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Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 1-1302-L
Luminaire: 92.70.427.00
Report No: 2024727-B014
Ballast type: AC

Test No: 2024727-C014	Voltage(V): 35.760
LampCAT: TRIDONIC SLE G7 9MM	Current(A): 0.360
Lamp flux(lm): 2026.0	Power (W): 12.873
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1905.85, Efficiency(%): 94.07% , Luminous Efficacy(lm/W): 148.05
Central intensity(cd): 3749.303, Maximum intensity(cd): 3749.303
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=41.8
[C90/270]Total=41.8
Field angle(10%Imax): [C0/180]Total=65.2
[C90/270]Total=65.2
Maximum s/h(1/2): C0_180=0.67 C90_270=0.67
Maximum s/h(1/4): C0_180=0.66 C90_270=0.66
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.07%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.855%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3749.302	0.000	0	0.00%	0.00%
1.0	3738.403	3.583	3.583	0.18%	0.19%
2.0	3721.797	10.708	14.29	0.53%	0.75%
3.0	3698.095	17.746	32.036	0.88%	1.68%
4.0	3659.617	24.629	56.665	1.22%	2.97%
5.0	3612.579	31.285	87.949	1.54%	4.61%
6.0	3555.008	37.668	125.617	1.86%	6.59%
7.0	3498.899	43.783	169.401	2.16%	8.89%
8.0	3429.696	49.587	218.987	2.45%	11.49%
9.0	3359.616	55.024	274.011	2.72%	14.38%
10.0	3282.147	60.106	334.116	2.97%	17.53%
11.0	3195.606	64.726	398.842	3.19%	20.93%
12.0	3092.168	68.734	467.577	3.39%	24.53%
13.0	2983.974	72.108	539.685	3.56%	28.32%
14.0	2863.126	74.842	614.528	3.69%	32.24%
15.0	2729.841	76.783	691.31	3.79%	36.27%
16.0	2589.021	77.936	769.247	3.85%	40.36%
17.0	2454.785	78.546	847.792	3.88%	44.48%
18.0	2303.065	78.447	926.239	3.87%	48.60%
19.0	2148.200	77.443	1003.682	3.82%	52.66%
20.0	1993.262	75.800	1079.482	3.74%	56.64%
21.0	1855.149	73.897	1153.379	3.65%	60.52%
22.0	1708.477	71.613	1224.992	3.53%	64.28%
23.0	1524.679	67.840	1292.832	3.35%	67.83%
24.0	1327.502	62.359	1355.191	3.08%	71.11%
25.0	1247.312	58.546	1413.737	2.89%	74.18%
26.0	1136.119	56.261	1469.998	2.78%	77.13%
27.0	1009.455	52.492	1522.49	2.59%	79.89%
28.0	881.802	47.883	1570.373	2.36%	82.40%
29.0	760.858	42.977	1613.349	2.12%	84.65%
30.0	640.675	37.841	1651.19	1.87%	86.64%
31.0	530.492	32.592	1683.782	1.61%	88.35%
32.0	430.411	27.529	1711.311	1.36%	89.79%
33.0	342.986	22.785	1734.095	1.12%	90.99%
34.0	269.503	18.536	1752.631	0.91%	91.96%
35.0	231.749	15.567	1768.198	0.77%	92.78%
36.0	177.177	13.020	1781.219	0.64%	93.46%
37.0	114.814	9.523	1790.742	0.47%	93.96%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	94.945	7.001	1797.743	0.35%	94.33%
39.0	79.686	5.961	1803.704	0.29%	94.64%
40.0	69.254	5.194	1808.898	0.26%	94.91%
41.0	60.834	4.632	1813.531	0.23%	95.16%
42.0	54.250	4.181	1817.712	0.21%	95.38%
43.0	49.071	3.827	1821.539	0.19%	95.58%
44.0	44.916	3.547	1825.087	0.18%	95.76%
45.0	41.368	3.316	1828.403	0.16%	95.94%
46.0	38.457	3.122	1831.524	0.15%	96.10%
47.0	35.962	2.960	1834.484	0.15%	96.26%
48.0	33.885	2.824	1837.308	0.14%	96.40%
49.0	31.975	2.705	1840.012	0.13%	96.55%
50.0	30.432	2.602	1842.614	0.13%	96.68%
51.0	29.049	2.517	1845.131	0.12%	96.81%
52.0	27.806	2.440	1847.57	0.12%	96.94%
53.0	26.686	2.370	1849.941	0.12%	97.07%
54.0	25.735	2.311	1852.251	0.11%	97.19%
55.0	24.792	2.255	1854.507	0.11%	97.31%
56.0	23.855	2.198	1856.705	0.11%	97.42%
57.0	23.051	2.145	1858.85	0.11%	97.53%
58.0	22.195	2.092	1860.942	0.10%	97.64%
59.0	21.412	2.039	1862.981	0.10%	97.75%
60.0	20.680	1.989	1864.969	0.10%	97.85%
61.0	19.920	1.938	1866.907	0.10%	97.96%
62.0	19.188	1.884	1868.791	0.09%	98.06%
63.0	18.427	1.829	1870.621	0.09%	98.15%
64.0	17.703	1.773	1872.393	0.09%	98.24%
65.0	16.950	1.715	1874.108	0.08%	98.33%
66.0	16.299	1.659	1875.767	0.08%	98.42%
67.0	15.611	1.604	1877.372	0.08%	98.51%
68.0	15.077	1.555	1878.926	0.08%	98.59%
69.0	14.631	1.516	1880.442	0.07%	98.67%
70.0	14.243	1.483	1881.925	0.07%	98.74%
71.0	13.899	1.455	1883.379	0.07%	98.82%
72.0	13.548	1.427	1884.806	0.07%	98.90%
73.0	13.233	1.400	1886.207	0.07%	98.97%
74.0	12.926	1.375	1887.582	0.07%	99.04%
75.0	12.604	1.349	1888.931	0.07%	99.11%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.282	1.321	1890.252	0.07%	99.18%
77.0	11.975	1.293	1891.545	0.06%	99.25%
78.0	11.683	1.266	1892.812	0.06%	99.32%
79.0	11.383	1.239	1894.051	0.06%	99.38%
80.0	11.090	1.212	1895.263	0.06%	99.44%
81.0	10.775	1.182	1896.445	0.06%	99.51%
82.0	10.512	1.154	1897.6	0.06%	99.57%
83.0	10.234	1.128	1898.727	0.06%	99.63%
84.0	9.978	1.101	1899.828	0.05%	99.68%
85.0	9.707	1.074	1900.903	0.05%	99.74%
86.0	9.407	1.045	1901.948	0.05%	99.80%
87.0	9.151	1.016	1902.963	0.05%	99.85%
88.0	8.903	0.989	1903.952	0.05%	99.90%
89.0	8.632	0.961	1904.913	0.05%	99.95%
90.0	8.464	0.937	1905.851	0.05%	100.00%

Zonal flux distribution table

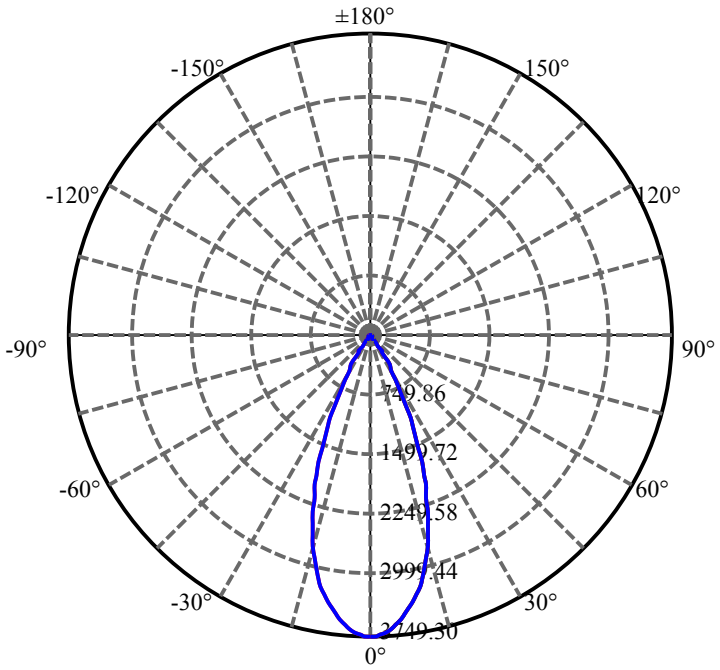
ZONAL LUMEN SUMMARY

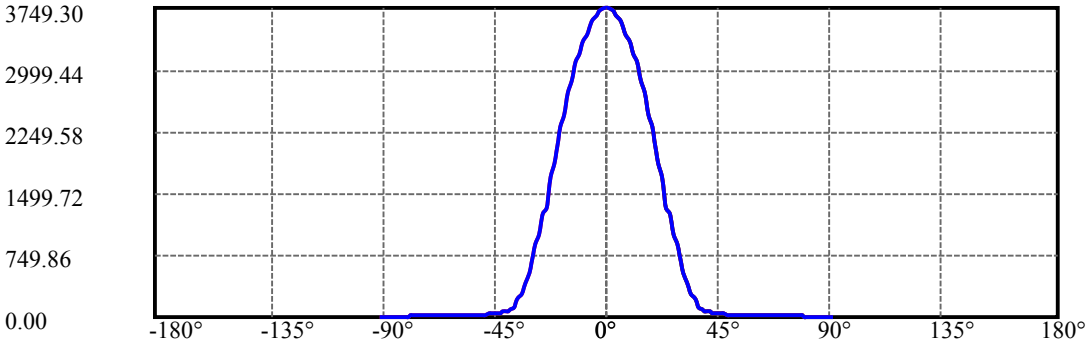
Zone	Lumens	%Lamp	%Fixt
0-30	1651.19	81.50%	86.64%
0-40	1808.90	89.28%	94.91%
0-60	1864.97	92.05%	97.85%
0-90	1904.91	94.02%	99.95%
0-120	1904.91	94.02%	99.95%
0-180	1905.85	94.07%	100.00%
60-90	39.94	1.97%	2.10%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.05	1524.68	75.26%	80.00%

ZONAL LUMEN SUMMARY

0-10	334.12
10-20	745.37
20-30	571.71
30-40	157.71
40-50	33.72
50-60	22.35
60-70	16.96
70-80	13.34
80-90	9.65
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):

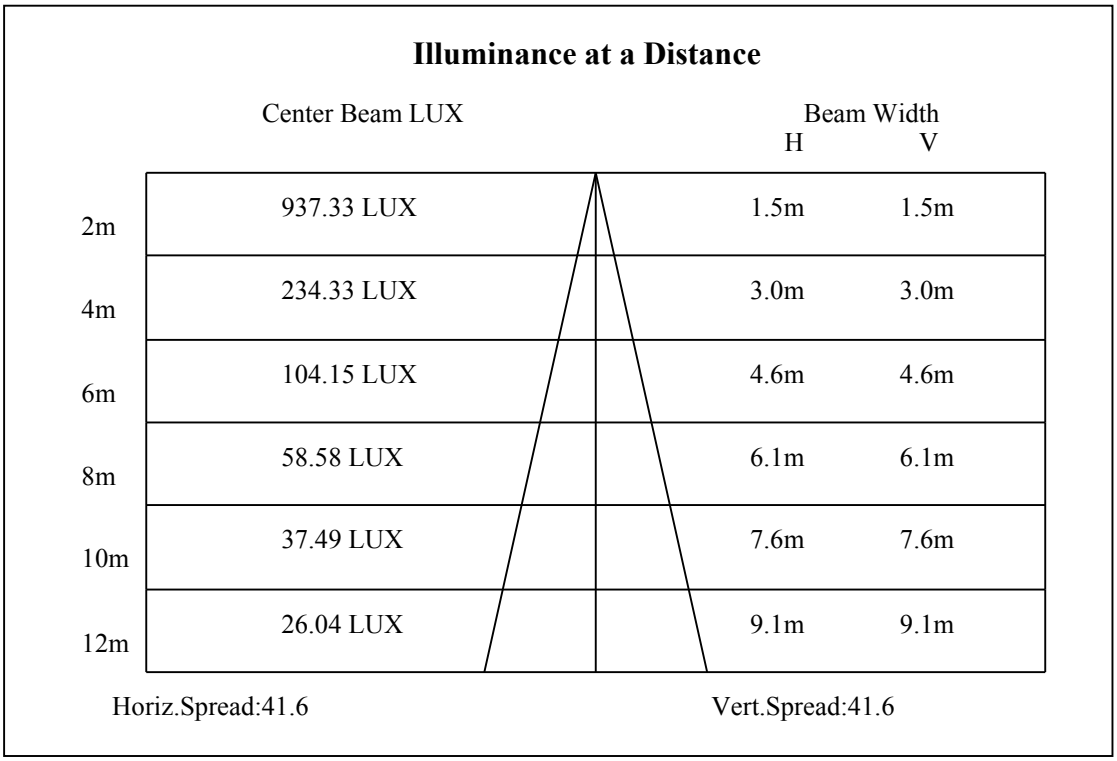
C0/C180:

C90/C270:

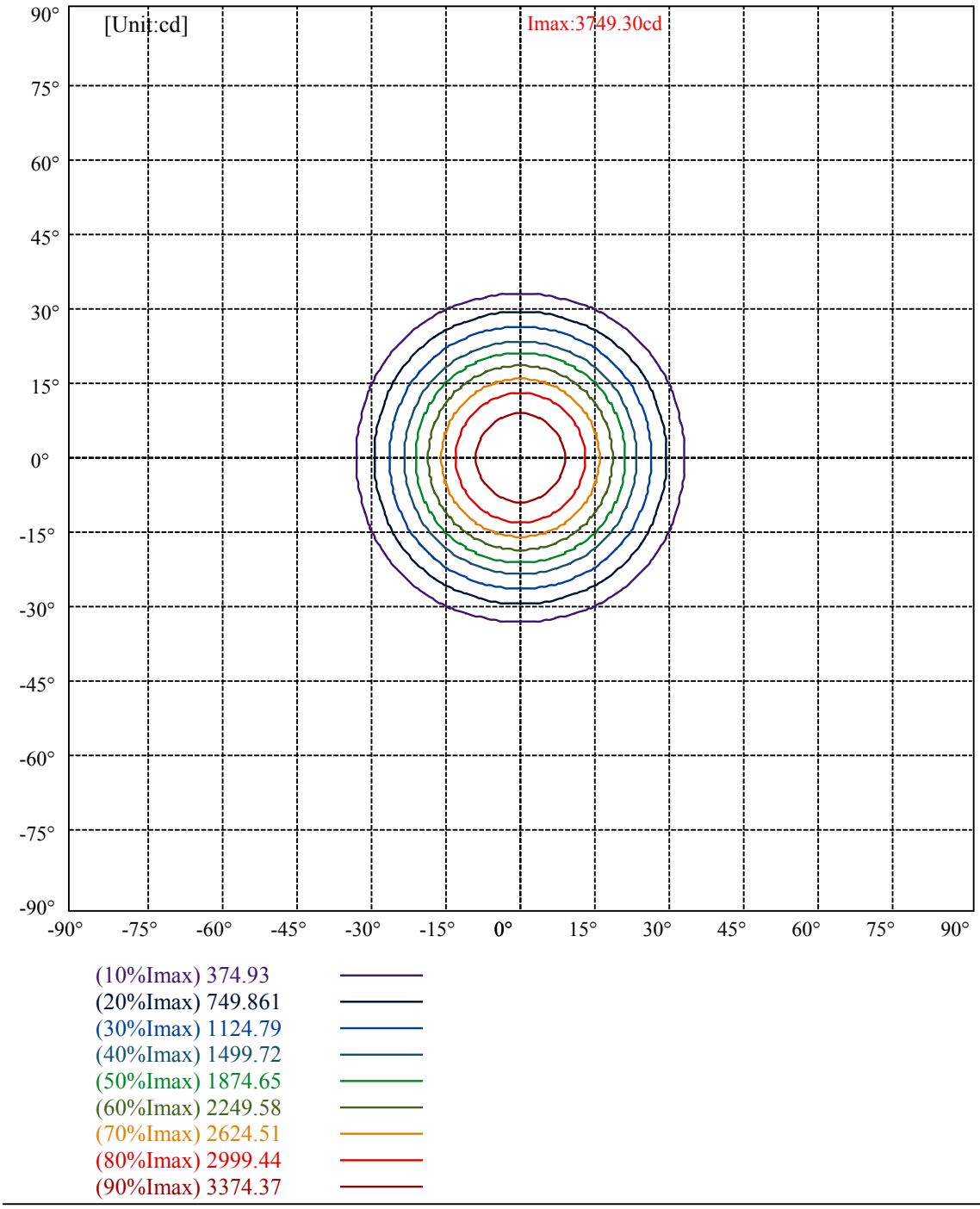
Field angle(10%Imax):C0/180Left:32.6 Right:32.6
:C90/270Left:32.6 Right:32.6

Beam Angle(50%Imax):C0/180Left:20.9 Right:20.9
:C90/270Left:20.9 Right:20.9

Lux distance Curve



ISO-Intensity(V-H)



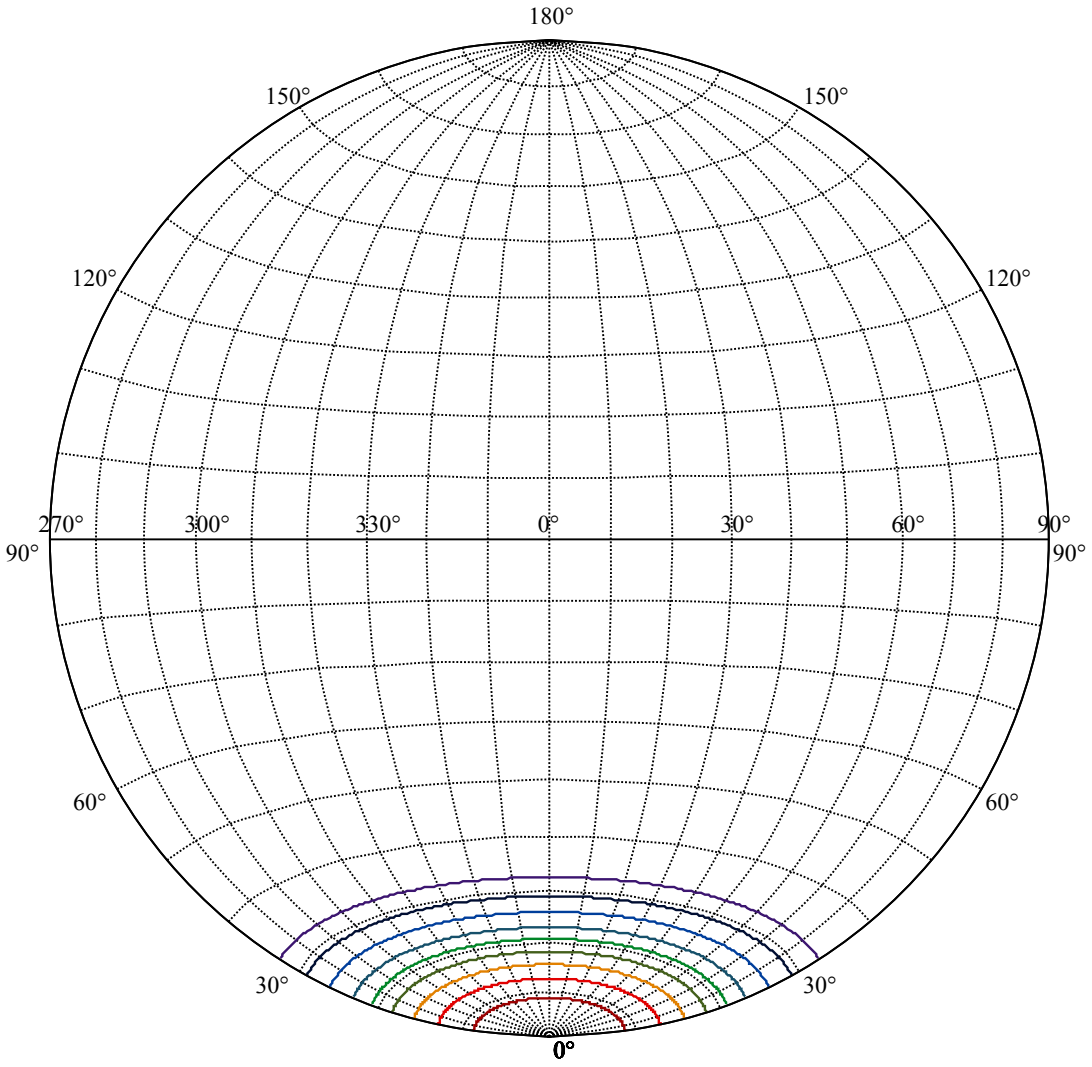
(10%Imax) 374.93
(20%Imax) 749.861
(30%Imax) 1124.79
(40%Imax) 1499.72
(50%Imax) 1874.65
(60%Imax) 2249.58
(70%Imax) 2624.51
(80%Imax) 2999.44
(90%Imax) 3374.37

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



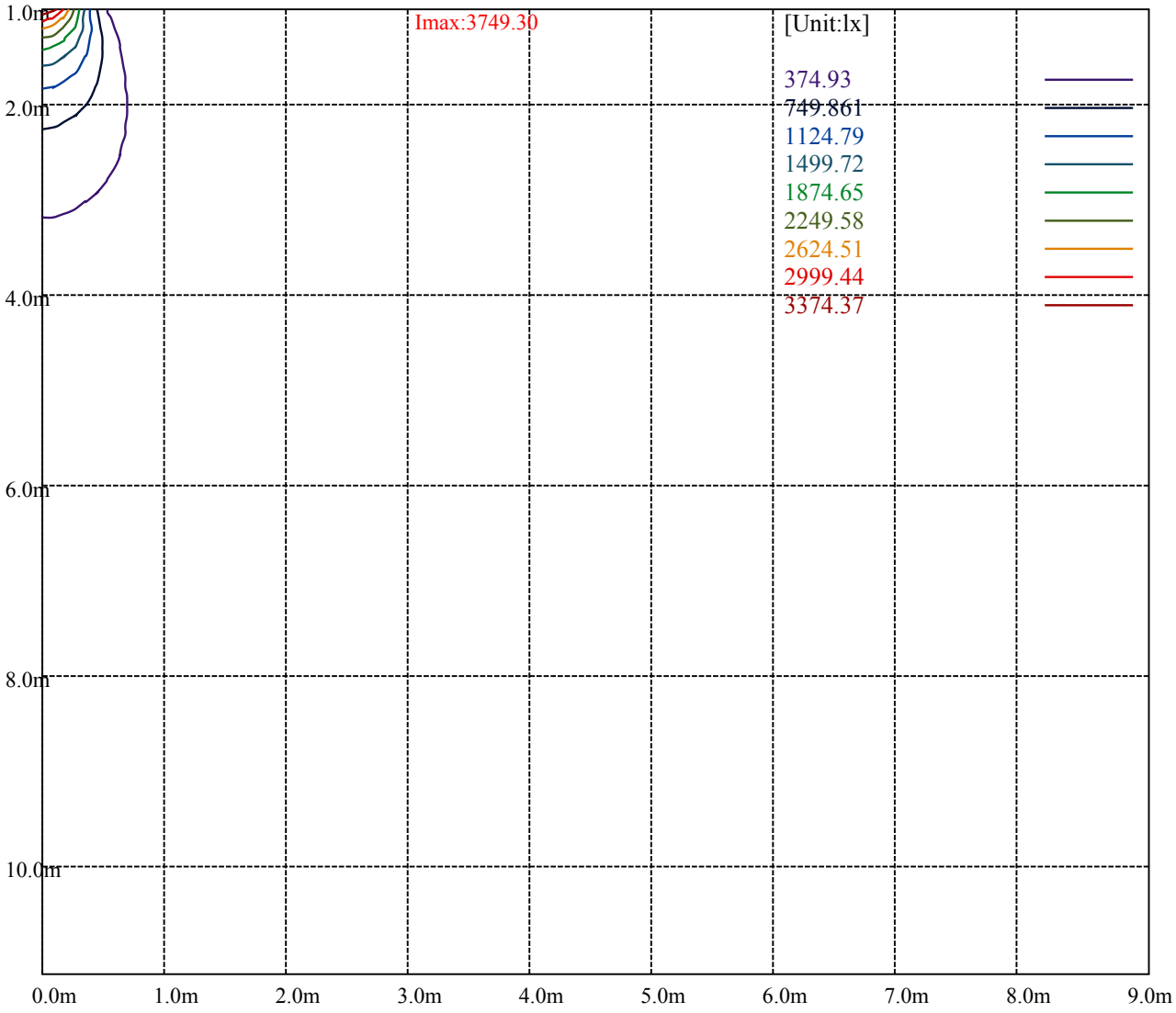
House [Unit:cd] Road

Imax:3749.30

(10%Imax) 374.93
(20%Imax) 749.861
(30%Imax) 1124.79
(40%Imax) 1499.72
(50%Imax) 1874.65
(60%Imax) 2249.58
(70%Imax) 2624.51
(80%Imax) 2999.44
(90%Imax) 3374.37

Equipment: GMS1980	Date: 2024/7/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

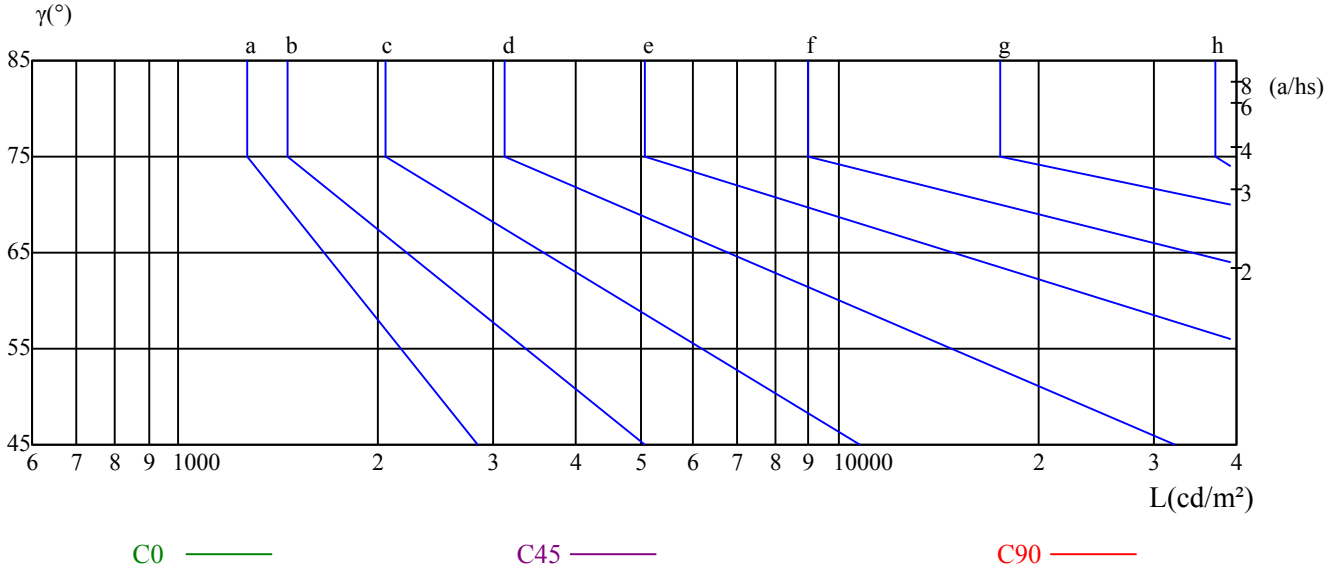
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

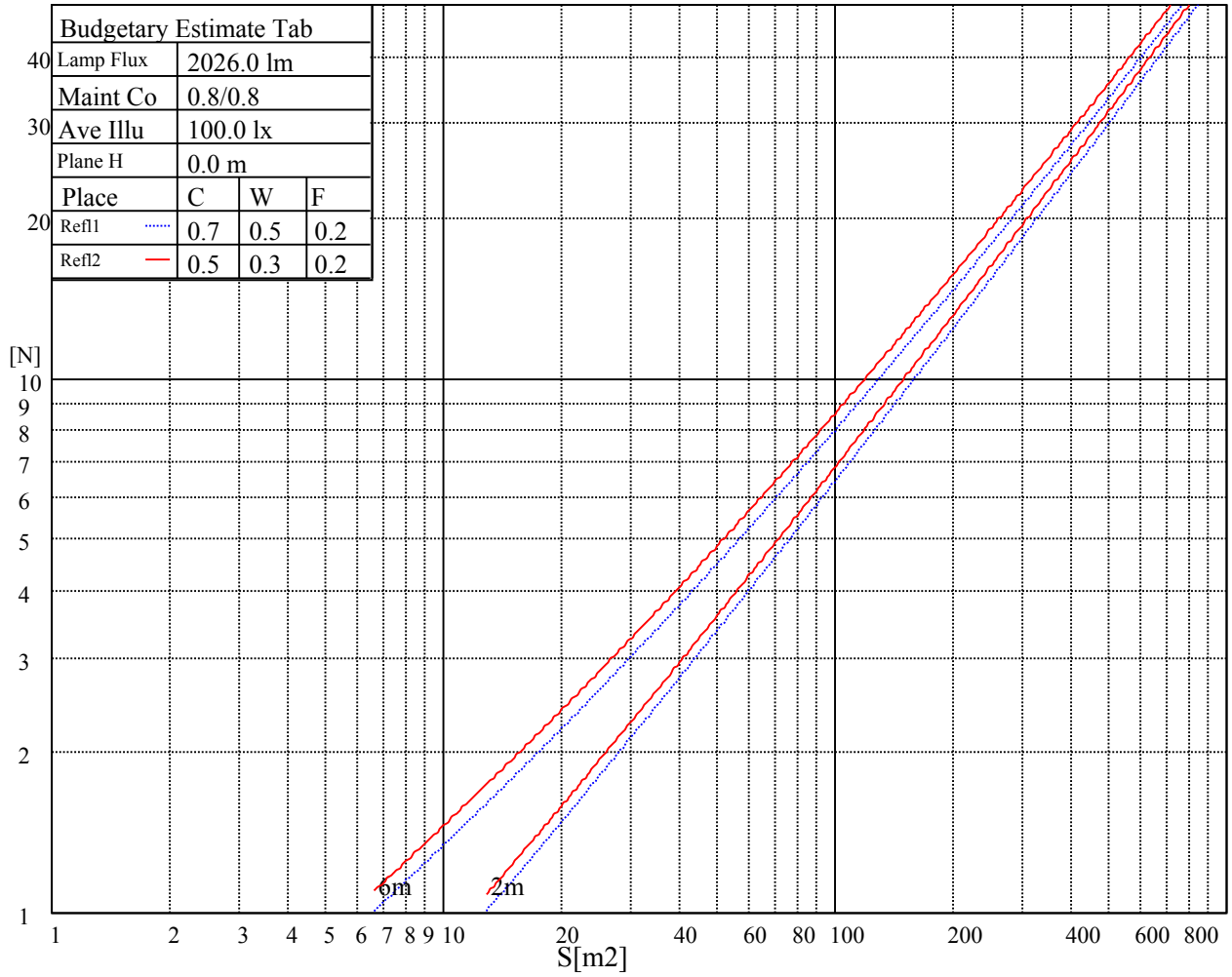
Luminance Limitting Curve



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

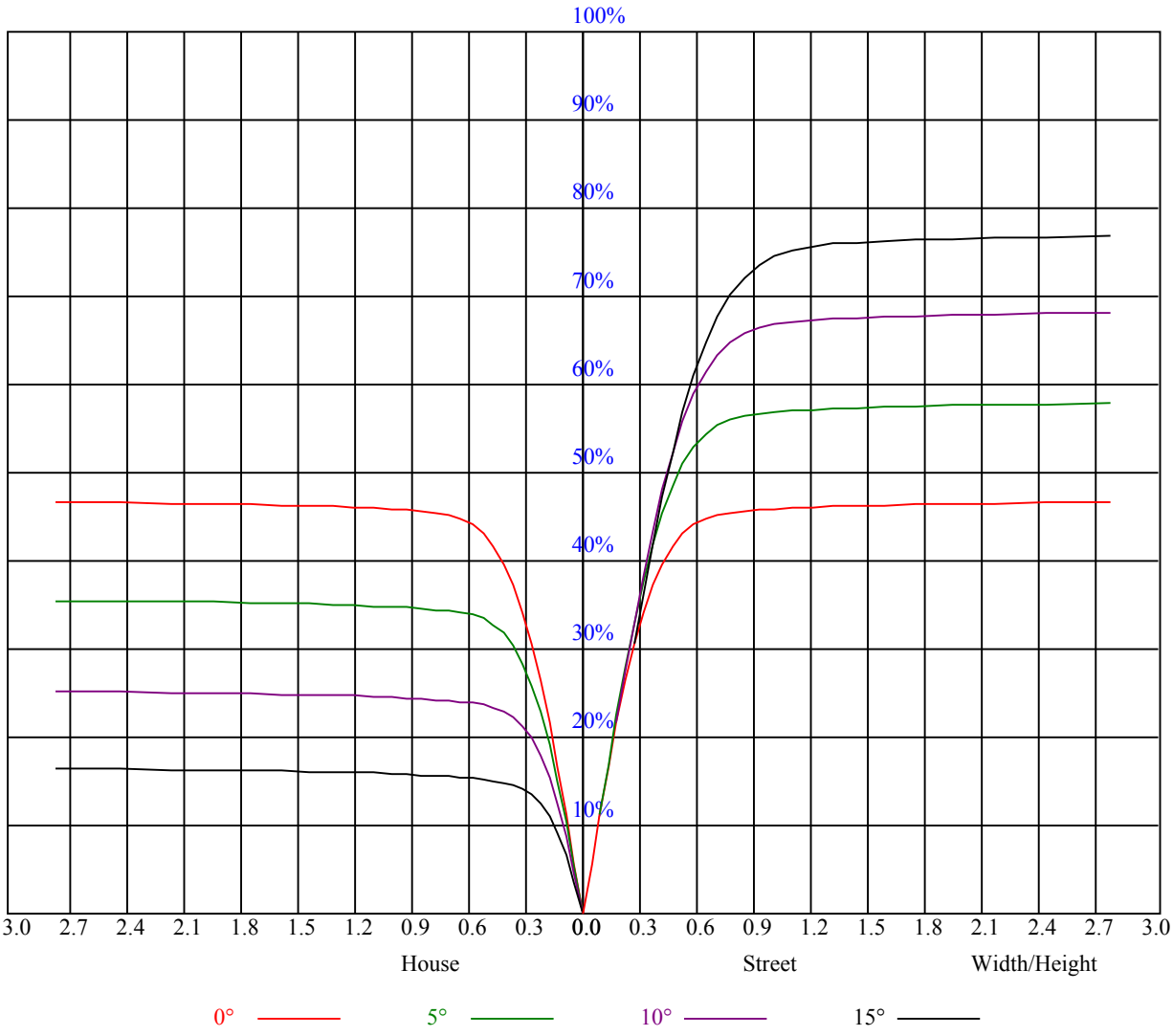


Equipment: GMS1980	Date: 2024/7/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Utilization factor table for indoor luminaire

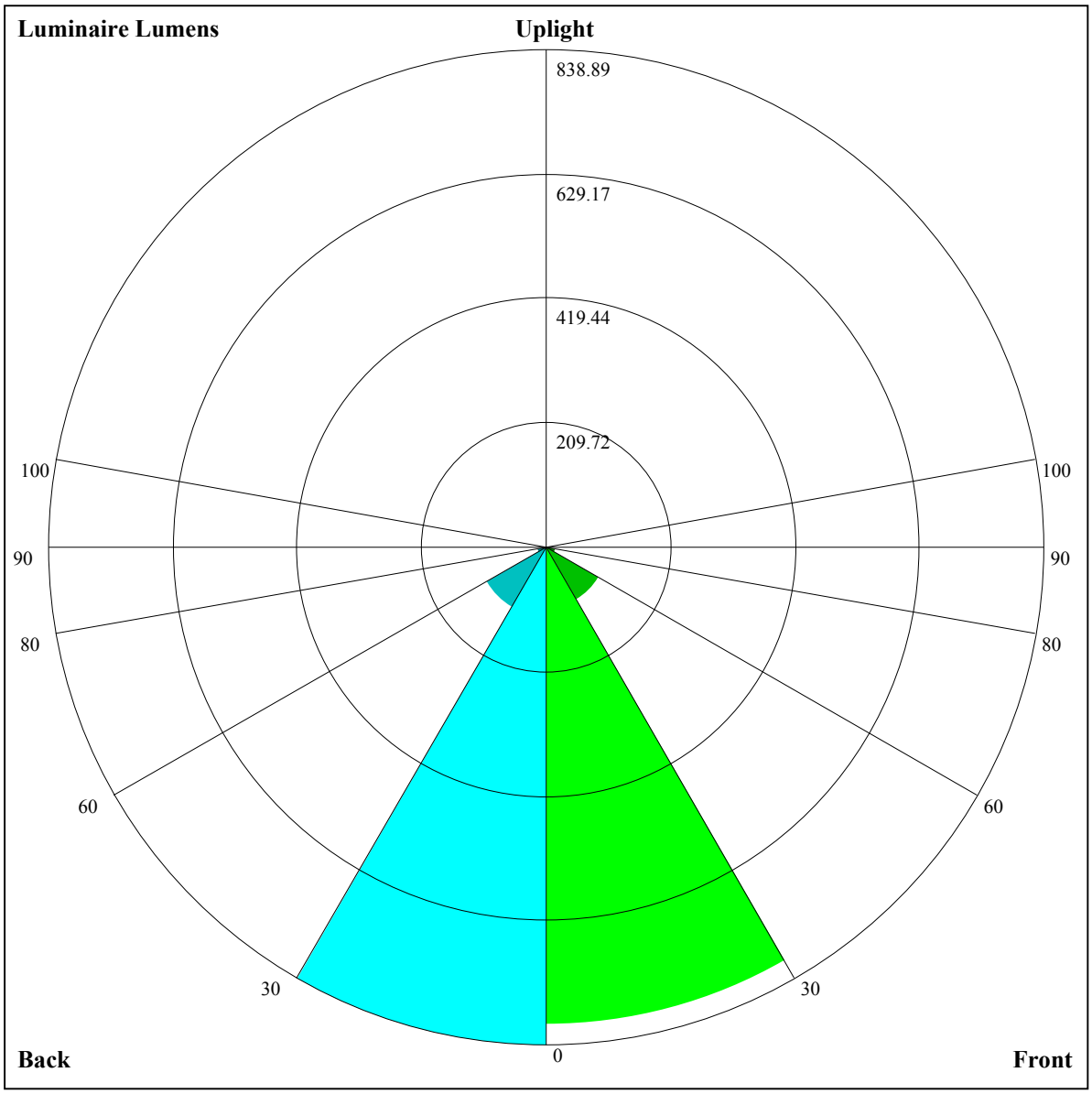
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.12	1.12	1.12	1.09	1.09	1.09	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.02	1.00	1.03	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.98	0.95	0.92	0.97	0.93	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.85	0.84
3	0.93	0.88	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.79
4	0.88	0.83	0.79	0.87	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.75
5	0.83	0.78	0.75	0.82	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.71
6	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.68
7	0.75	0.70	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.65
8	0.72	0.67	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.62
9	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.59
10	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.64	0.60	0.58	0.57

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/7/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=806.12,FM=101.42,FH=14.93,FVH=5.27
BL=838.89,BM=115.89,BH=15.28,BVH=5.3
UL=0,UH=0

BUG Rating:B2-U0-G0

Equipment: GMS1980	Date: 2024/7/27	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	3742.57	3714.48	3671.17	3637.23	3579.29	3528.97	3464.59	3411.34	3353.40
45.0	3761.30	3741.99	3712.14	3668.25	3621.43	3586.90	3548.86	3469.27	3385.00
90.0	3743.16	3720.92	3687.56	3643.08	3594.51	3550.03	3480.39	3411.92	3327.06
135.0	3750.18	3751.94	3745.50	3734.96	3682.29	3633.14	3609.14	3576.95	3481.56
180.0	3742.57	3746.08	3746.67	3740.82	3723.85	3685.81	3624.36	3585.73	3540.67
225.0	3761.30	3741.40	3733.21	3724.43	3687.56	3624.36	3569.35	3495.61	3444.11
270.0	3743.16	3762.47	3761.88	3753.11	3734.96	3691.66	3628.45	3579.29	3513.16
315.0	3750.18	3727.94	3716.24	3682.88	3653.03	3599.78	3514.92	3461.08	3392.61
360.0	3742.57	3714.48	3671.17	3637.23	3579.29	3528.97	3464.59	3411.34	3353.40

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3267.37	3198.90	3115.80	2979.44	2870.59	2741.25	2603.72	2474.98	2342.71
45.0	3313.02	3256.25	3179.59	3107.02	2981.19	2877.61	2771.10	2619.53	2498.38
90.0	3255.67	3180.76	3082.44	2962.47	2854.79	2742.42	2586.75	2467.37	2333.94
135.0	3418.94	3356.32	3297.80	3214.70	3133.94	3033.86	2895.17	2768.17	2640.01
180.0	3475.71	3396.70	3314.19	3224.06	3118.72	3016.89	2892.83	2762.91	2625.96
225.0	3375.05	3267.95	3170.22	3079.51	2975.34	2826.11	2687.41	2541.69	2396.55
270.0	3456.40	3389.68	3293.70	3173.73	3060.20	2955.44	2825.52	2672.20	2537.01
315.0	3314.77	3210.60	3111.11	2996.41	2877.02	2711.41	2576.22	2405.33	2263.71
360.0	3267.37	3198.90	3115.80	2979.44	2870.59	2741.25	2603.72	2474.98	2342.71

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2178.85	2053.03	1930.13	1761.59	1628.15	1483.60	1145.29	1145.29	1049.84
45.0	2369.05	2247.91	2088.73	1973.44	1841.76	1710.67	1537.44	1396.99	1267.66
90.0	2199.92	2023.77	1890.34	1780.31	1662.68	1494.14	1147.10	1147.10	1091.21
135.0	2467.95	2325.16	2153.10	2009.72	1878.05	1731.15	1588.94	1418.64	1283.46
180.0	2472.05	2272.49	2137.89	2008.55	1827.13	1691.94	1545.05	1412.79	1253.61
225.0	2237.37	2089.90	1915.50	1772.12	1614.69	1424.50	1144.00	1144.00	1086.88
270.0	2377.83	2218.06	2019.08	1861.66	1706.57	1512.28	1363.05	1195.67	1080.97
315.0	2121.50	1955.30	1811.33	1673.80	1508.77	1149.15	1149.15	1118.01	975.34
360.0	2178.85	2053.03	1930.13	1761.59	1628.15	1483.60	1145.29	1145.29	1049.84

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	920.79	803.63	663.06	559.01	432.31	346.75	273.71	195.52	145.84
45.0	1130.71	957.49	825.23	673.07	563.04	464.14	355.29	299.11	299.11
90.0	963.40	803.69	696.24	586.86	464.79	376.42	298.87	233.97	167.90
135.0	1165.83	1042.93	883.16	763.19	652.58	529.69	437.81	339.49	306.13
180.0	1119.59	1006.06	894.28	743.88	635.61	513.89	422.59	343.59	308.47
225.0	940.34	826.57	719.53	614.60	497.03	405.03	326.67	239.24	181.42
270.0	972.12	855.07	755.00	659.02	569.48	460.63	372.26	310.81	310.81
315.0	862.86	758.98	650.36	525.77	429.09	346.75	256.68	194.29	134.31
360.0	920.79	803.63	663.06	559.01	432.31	346.75	273.71	195.52	145.84

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	112.66	93.34	80.82	68.53	61.16	55.07	50.15	45.12	41.84
45.0	160.88	118.22	98.61	84.68	73.45	62.74	55.83	50.15	44.59
90.0	131.03	108.33	94.16	78.89	69.58	61.98	53.90	49.04	43.83
135.0	306.13	149.82	121.02	103.12	88.84	75.14	66.66	59.81	54.78
180.0	308.47	145.60	115.29	93.17	80.06	69.23	61.10	53.84	49.63
225.0	136.83	102.06	85.44	70.29	61.57	55.01	50.04	46.17	42.25
270.0	157.89	116.23	91.30	77.37	64.55	57.64	50.56	46.70	43.37
315.0	103.53	84.92	72.92	61.45	54.84	49.86	45.76	41.73	39.03
360.0	112.66	93.34	80.82	68.53	61.16	55.07	50.15	45.12	41.84

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	38.22	35.82	33.71	31.78	30.37	29.09	27.74	26.80	25.87
45.0	40.85	37.63	34.18	31.89	30.08	28.09	26.69	25.57	24.40
90.0	40.38	37.34	34.70	32.07	30.31	28.73	27.27	25.75	24.70
135.0	49.51	45.65	42.31	39.56	36.52	34.35	32.13	30.72	29.44
180.0	45.94	41.90	39.39	37.10	34.70	33.07	31.66	29.96	28.79
225.0	39.50	37.22	35.35	33.42	32.07	30.84	29.50	28.56	27.45
270.0	39.85	37.45	35.46	33.88	31.89	30.61	29.67	28.56	27.27
315.0	36.69	34.65	32.60	31.37	29.85	28.68	27.74	26.51	25.57
360.0	38.22	35.82	33.71	31.78	30.37	29.09	27.74	26.80	25.87

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.05	24.11	23.35	22.59	21.83	20.89	20.37	19.66	19.02
45.0	23.47	22.71	22.00	21.42	20.78	20.31	19.78	19.25	18.79
90.0	23.76	22.94	21.83	21.13	20.37	19.78	19.31	18.61	18.08
135.0	28.09	26.98	25.87	24.70	23.47	22.71	21.83	21.07	20.07
180.0	27.68	26.39	25.46	24.52	23.70	22.71	21.89	21.01	20.37
225.0	26.51	25.69	24.70	23.94	23.17	22.24	21.24	20.37	19.49
270.0	26.57	25.52	24.52	23.76	22.65	21.83	21.07	20.25	19.37
315.0	24.76	23.99	23.12	22.36	21.59	20.83	19.96	19.14	18.32
360.0	25.05	24.11	23.35	22.59	21.83	20.89	20.37	19.66	19.02

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.20	17.50	16.74	16.21	15.57	15.16	14.81	14.51	14.05
45.0	18.14	17.62	17.03	16.33	15.86	15.39	15.04	14.57	14.22
90.0	17.50	17.03	16.27	15.86	15.45	15.04	14.57	14.22	13.93
135.0	19.37	18.67	17.73	17.09	16.21	15.63	15.16	14.63	14.28
180.0	19.49	18.79	17.85	17.26	16.62	15.80	15.27	14.92	14.57
225.0	18.61	17.67	16.91	16.04	15.22	14.69	14.22	13.81	13.46
270.0	18.79	17.85	17.15	16.50	15.39	14.86	14.22	13.87	13.58
315.0	17.32	16.50	15.92	15.10	14.57	14.05	13.75	13.40	13.11
360.0	18.20	17.50	16.74	16.21	15.57	15.16	14.81	14.51	14.05

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.75	13.46	13.17	12.87	12.52	12.29	11.94	11.65	11.35
45.0	13.93	13.58	13.23	12.93	12.64	12.23	11.94	11.65	11.35
90.0	13.52	13.23	12.93	12.52	12.23	11.82	11.53	11.24	11.00
135.0	13.93	13.64	13.28	12.93	12.64	12.35	12.06	11.70	11.41
180.0	14.10	13.81	13.52	13.23	12.76	12.52	12.23	11.88	11.59
225.0	13.17	12.82	12.52	12.23	11.94	11.59	11.35	11.06	10.77
270.0	13.23	12.87	12.58	12.23	11.94	11.65	11.29	11.06	10.77
315.0	12.76	12.47	12.17	11.88	11.59	11.35	11.12	10.83	10.48
360.0	13.75	13.46	13.17	12.87	12.52	12.29	11.94	11.65	11.35

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.06	10.83	10.53	10.30	10.01	9.60	9.36	9.07	8.60
45.0	11.06	10.71	10.48	10.18	9.89	9.66	9.31	9.01	8.84
90.0	10.65	10.42	10.12	9.83	9.60	9.31	9.07	8.84	8.66
135.0	11.06	10.77	10.42	10.18	9.89	9.60	9.31	9.07	8.84
180.0	11.29	10.89	10.59	10.30	10.07	9.71	9.48	9.19	8.84
225.0	10.42	10.18	9.95	9.71	9.42	9.13	8.90	8.66	8.43
270.0	10.42	10.24	10.01	9.71	9.48	9.19	8.95	8.72	8.49
315.0	10.24	10.07	9.77	9.60	9.31	9.07	8.84	8.66	8.37
360.0	11.06	10.83	10.53	10.30	10.01	9.60	9.36	9.07	8.60

Intensity data(cd)

C/γ(°)	90.0
0.0	8.43
45.0	8.54
90.0	8.49
135.0	8.66
180.0	8.43
225.0	8.37
270.0	8.43
315.0	8.37
360.0	8.43