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: 1-1298-L
Luminaire: 92.70.427.00
Report No: 2024727-B011
Ballast type: AC

Test No: 2024727-C011	Voltage(V): 35.770
LampCAT: TRIDONIC SLE G7 9MM	Current(A): 0.360
Lamp flux(lm): 2026.0	Power (W): 12.877
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1850.56, Efficiency(%): 91.34% , Luminous Efficacy(lm/W): 143.71
Central intensity(cd): 9026.568, Maximum intensity(cd): 9026.568
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.0
[C90/270]Total=18.0
Field angle(10%Imax): [C0/180]Total=50.0
[C90/270]Total=50.0
Maximum s/h(1/2): C0_180=0.31 C90_270=0.31
Maximum s/h(1/4): C0_180=0.36 C90_270=0.36
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.34%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.743%

NT 1-1298-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9026.569	0.000	0	0.00%	0.00%
1.0	8943.906	8.599	8.599	0.42%	0.46%
2.0	8662.705	25.271	33.869	1.25%	1.83%
3.0	8226.274	40.393	74.262	1.99%	4.01%
4.0	7703.668	53.323	127.585	2.63%	6.89%
5.0	7068.406	63.549	191.133	3.14%	10.33%
6.0	6418.148	70.875	262.009	3.50%	14.16%
7.0	5723.778	75.365	337.374	3.72%	18.23%
8.0	5065.620	77.218	414.591	3.81%	22.40%
9.0	4495.025	77.484	492.075	3.82%	26.59%
10.0	3966.933	76.578	568.653	3.78%	30.73%
11.0	3509.141	74.701	643.354	3.69%	34.77%
12.0	3118.137	72.446	715.8	3.58%	38.68%
13.0	2801.092	70.246	786.046	3.47%	42.48%
14.0	2540.154	68.367	854.413	3.37%	46.17%
15.0	2292.019	66.338	920.752	3.27%	49.76%
16.0	2079.875	64.060	984.812	3.16%	53.22%
17.0	1883.751	61.724	1046.537	3.05%	56.55%
18.0	1720.181	59.421	1105.958	2.93%	59.76%
19.0	1559.025	57.051	1163.009	2.82%	62.85%
20.0	1405.352	54.256	1217.265	2.68%	65.78%
21.0	1268.183	51.337	1268.603	2.53%	68.55%
22.0	1187.092	49.340	1317.942	2.44%	71.22%
23.0	1098.899	47.966	1365.909	2.37%	73.81%
24.0	998.255	45.851	1411.76	2.26%	76.29%
25.0	906.097	43.301	1455.061	2.14%	78.63%
26.0	815.496	40.638	1495.699	2.01%	80.82%
27.0	730.895	37.833	1533.532	1.87%	82.87%
28.0	650.960	34.986	1568.518	1.73%	84.76%
29.0	569.709	31.936	1600.454	1.58%	86.48%
30.0	494.530	28.734	1629.188	1.42%	88.04%
31.0	415.722	25.331	1654.519	1.25%	89.41%
32.0	352.123	21.998	1676.517	1.09%	90.59%
33.0	297.163	19.128	1695.645	0.94%	91.63%
34.0	256.570	16.758	1712.403	0.83%	92.53%
35.0	198.223	14.124	1726.527	0.70%	93.30%
36.0	143.951	10.895	1737.422	0.54%	93.89%
37.0	109.005	8.250	1745.672	0.41%	94.33%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	85.553	6.494	1752.166	0.32%	94.68%
39.0	67.191	5.214	1757.379	0.26%	94.96%
40.0	54.455	4.243	1761.622	0.21%	95.19%
41.0	46.460	3.594	1765.215	0.18%	95.39%
42.0	41.178	3.184	1768.4	0.16%	95.56%
43.0	37.176	2.902	1771.302	0.14%	95.72%
44.0	34.272	2.697	1773.999	0.13%	95.86%
45.0	32.012	2.547	1776.546	0.13%	96.00%
46.0	30.168	2.432	1778.978	0.12%	96.13%
47.0	28.632	2.339	1781.316	0.12%	96.26%
48.0	27.337	2.263	1783.579	0.11%	96.38%
49.0	26.269	2.201	1785.78	0.11%	96.50%
50.0	25.457	2.157	1787.937	0.11%	96.62%
51.0	24.718	2.123	1790.06	0.10%	96.73%
52.0	24.097	2.095	1792.155	0.10%	96.84%
53.0	23.577	2.074	1794.228	0.10%	96.96%
54.0	23.241	2.064	1796.292	0.10%	97.07%
55.0	22.955	2.062	1798.354	0.10%	97.18%
56.0	22.795	2.067	1800.421	0.10%	97.29%
57.0	22.663	2.078	1802.5	0.10%	97.40%
58.0	22.524	2.090	1804.589	0.10%	97.52%
59.0	22.378	2.099	1806.689	0.10%	97.63%
60.0	22.143	2.103	1808.792	0.10%	97.74%
61.0	21.800	2.097	1810.889	0.10%	97.86%
62.0	21.178	2.071	1812.96	0.10%	97.97%
63.0	20.519	2.028	1814.988	0.10%	98.08%
64.0	19.649	1.971	1816.959	0.10%	98.18%
65.0	18.822	1.904	1818.863	0.09%	98.29%
66.0	17.871	1.831	1820.694	0.09%	98.39%
67.0	16.986	1.753	1822.446	0.09%	98.48%
68.0	16.152	1.679	1824.125	0.08%	98.57%
69.0	15.421	1.611	1825.736	0.08%	98.66%
70.0	14.748	1.549	1827.285	0.08%	98.74%
71.0	14.126	1.492	1828.777	0.07%	98.82%
72.0	13.577	1.440	1830.218	0.07%	98.90%
73.0	13.102	1.395	1831.613	0.07%	98.98%
74.0	12.685	1.356	1832.969	0.07%	99.05%
75.0	12.312	1.321	1834.289	0.07%	99.12%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.946	1.288	1835.577	0.06%	99.19%
77.0	11.609	1.256	1836.833	0.06%	99.26%
78.0	11.266	1.225	1838.057	0.06%	99.32%
79.0	10.966	1.194	1839.252	0.06%	99.39%
80.0	10.680	1.167	1840.419	0.06%	99.45%
81.0	10.395	1.140	1841.559	0.06%	99.51%
82.0	10.154	1.114	1842.673	0.06%	99.57%
83.0	9.905	1.090	1843.763	0.05%	99.63%
84.0	9.664	1.066	1844.829	0.05%	99.69%
85.0	9.393	1.040	1845.869	0.05%	99.75%
86.0	8.947	1.002	1846.872	0.05%	99.80%
87.0	8.610	0.961	1847.833	0.05%	99.85%
88.0	8.369	0.930	1848.763	0.05%	99.90%
89.0	8.200	0.908	1849.671	0.04%	99.95%
90.0	8.083	0.893	1850.564	0.04%	100.00%

Zonal flux distribution table

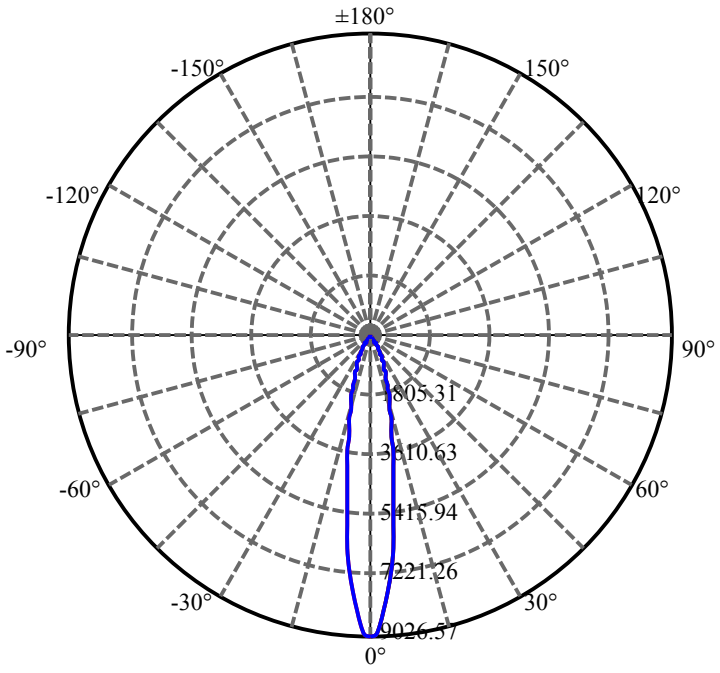
ZONAL LUMEN SUMMARY

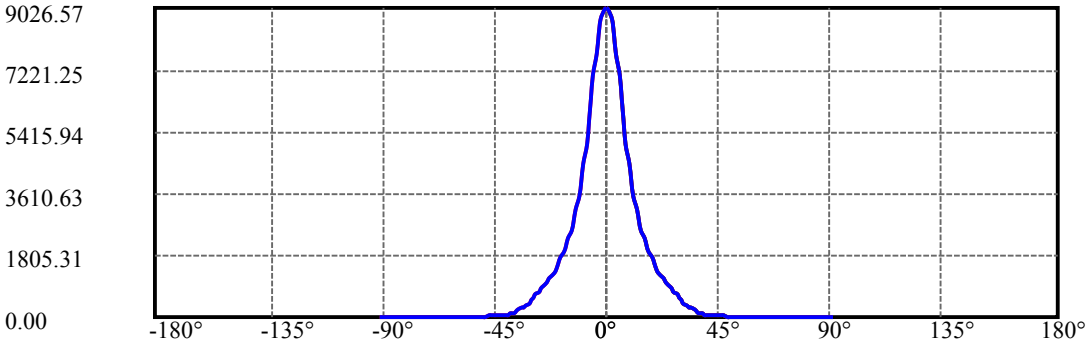
Zone	Lumens	%Lamp	%Fixt
0-30	1629.19	80.41%	88.04%
0-40	1761.62	86.95%	95.19%
0-60	1808.79	89.28%	97.74%
0-90	1849.67	91.30%	99.95%
0-120	1849.67	91.30%	99.95%
0-180	1850.56	91.34%	100.00%
60-90	40.88	2.02%	2.21%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.62	1480.45	73.07%	80.00%

ZONAL LUMEN SUMMARY

0-10	568.65
10-20	648.61
20-30	411.92
30-40	132.43
40-50	26.32
50-60	20.85
60-70	18.49
70-80	13.13
80-90	9.25
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):

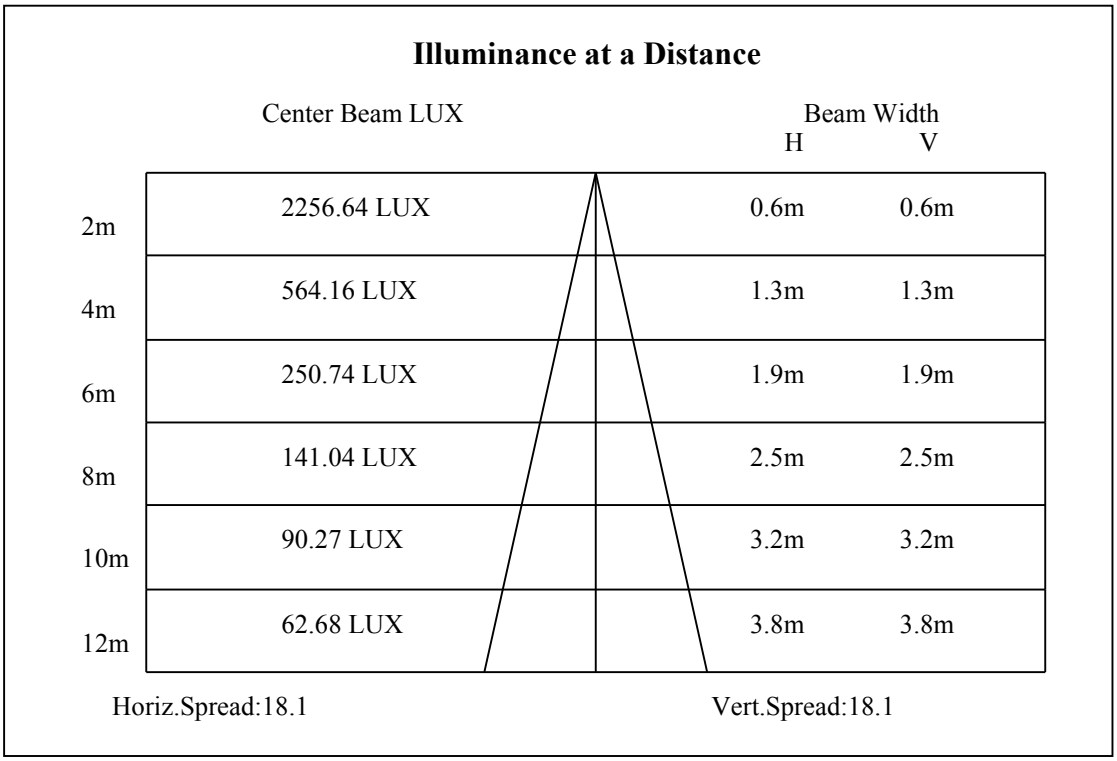
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:25.0 Right:25.0
:C90/270Left:25.0 Right:25.0

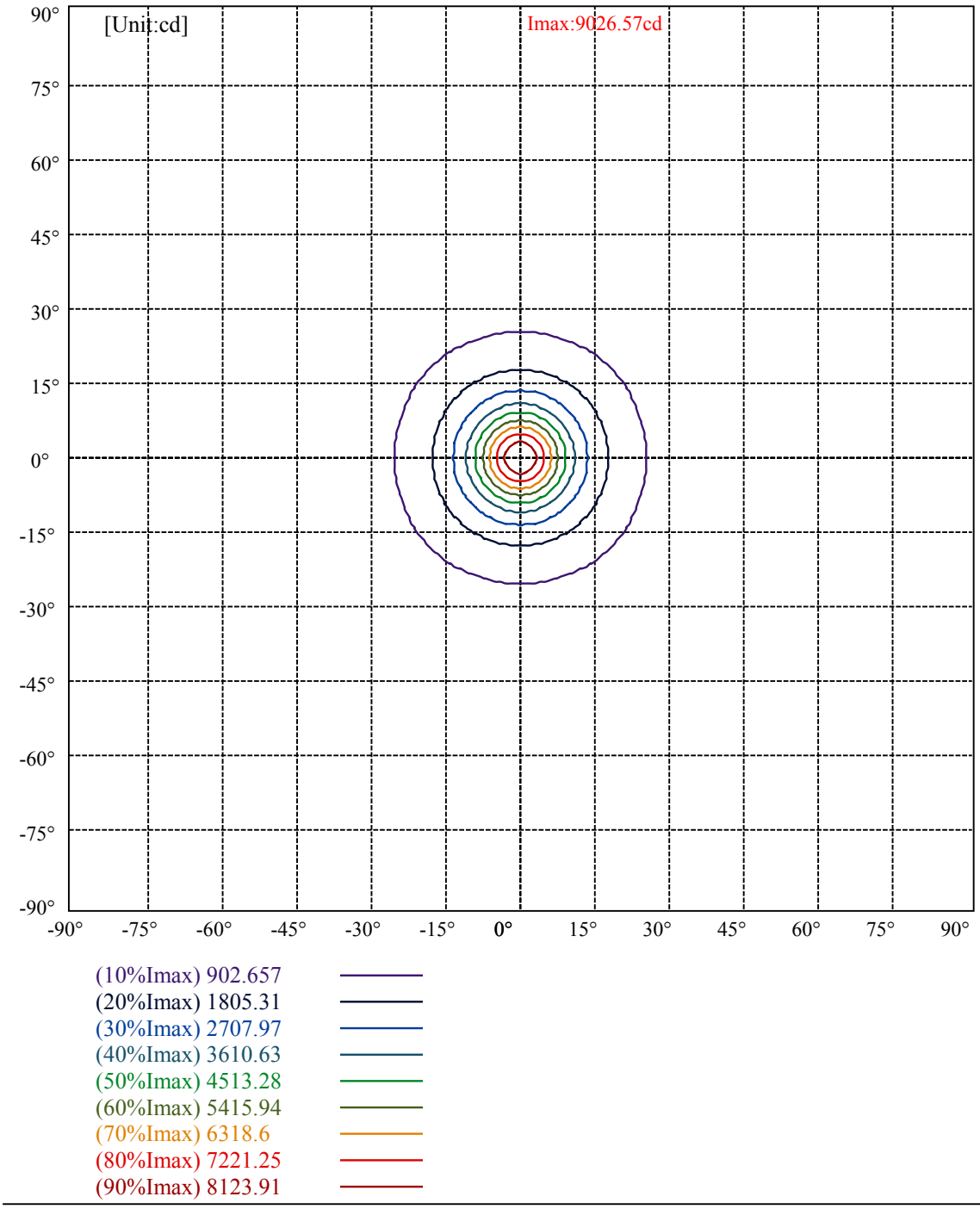
Beam Angle(50%Imax):C0/180Left:9.0 Right:9.0
:C90/270Left:9.0 Right:9.0

Lux distance Curve



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

ISO-Intensity(V-H)



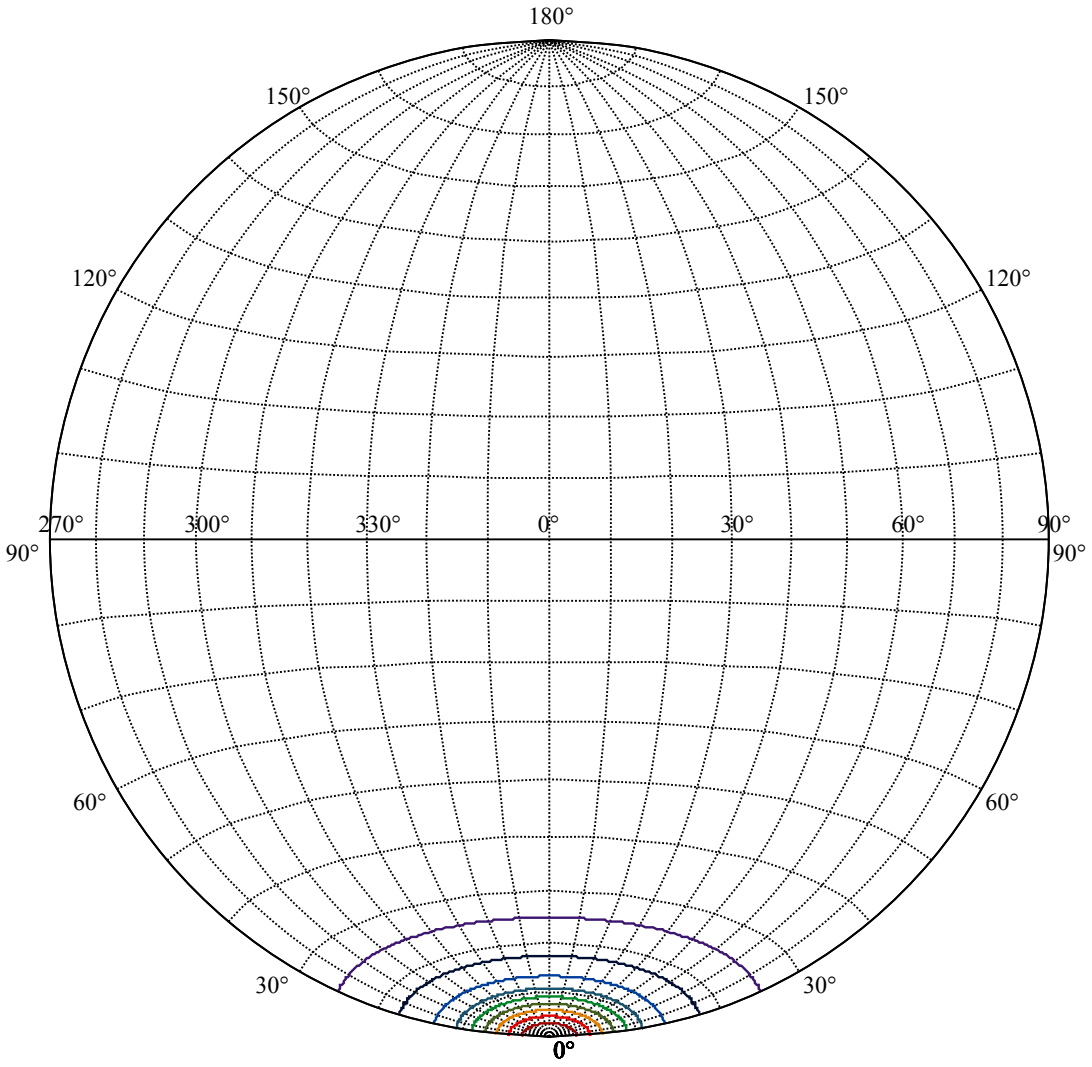
(10%Imax) 902.657
(20%Imax) 1805.31
(30%Imax) 2707.97
(40%Imax) 3610.63
(50%Imax) 4513.28
(60%Imax) 5415.94
(70%Imax) 6318.6
(80%Imax) 7221.25
(90%Imax) 8123.91

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



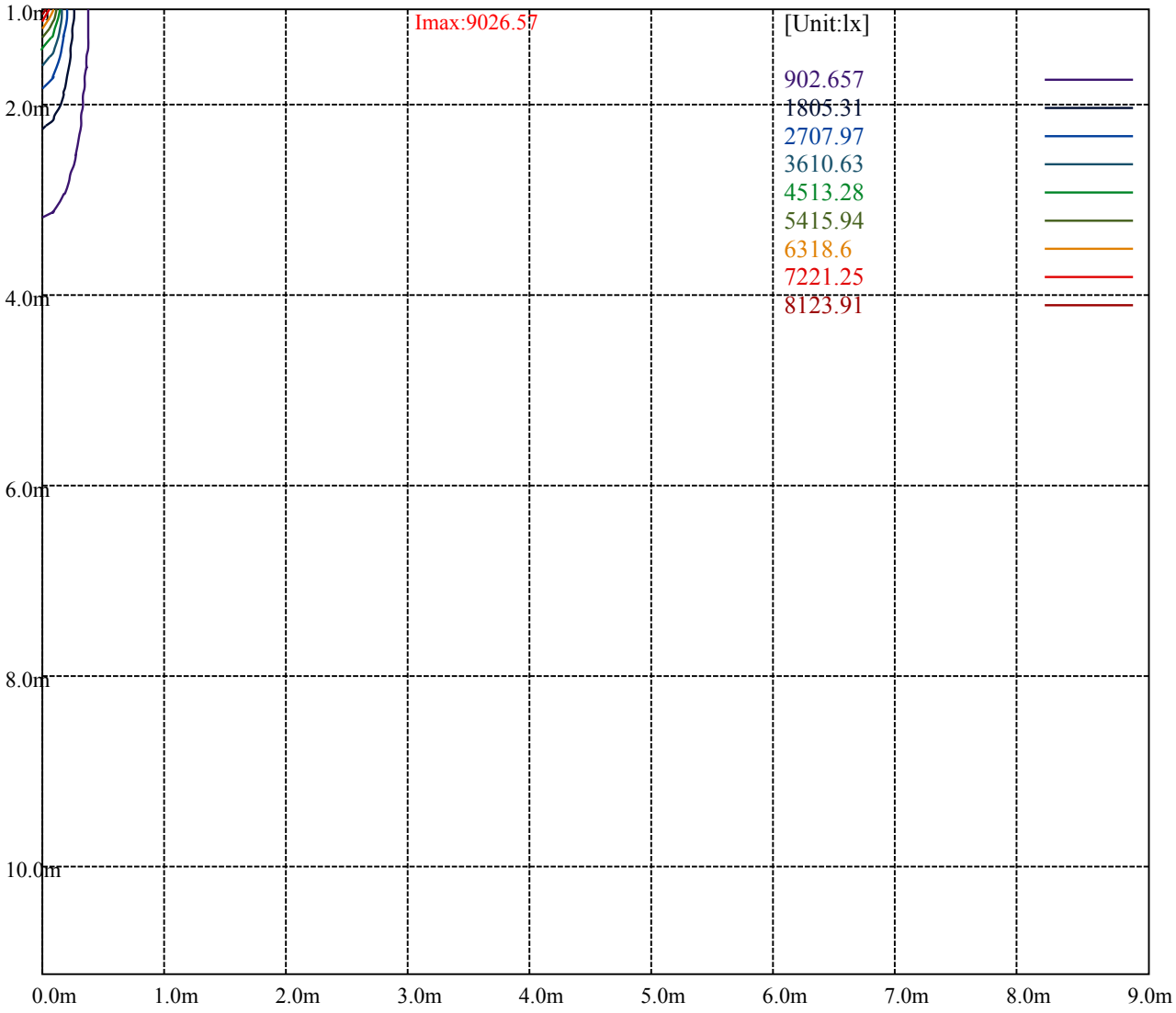
House [Unit:cd] Road

Imax:9026.57

(10%Imax) 902.657
(20%Imax) 1805.31
(30%Imax) 2707.97
(40%Imax) 3610.63
(50%Imax) 4513.28
(60%Imax) 5415.94
(70%Imax) 6318.6
(80%Imax) 7221.25
(90%Imax) 8123.91

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

NT 1-1298-L

Luminance Limitting Curve(no luminous side)

Luminance Table

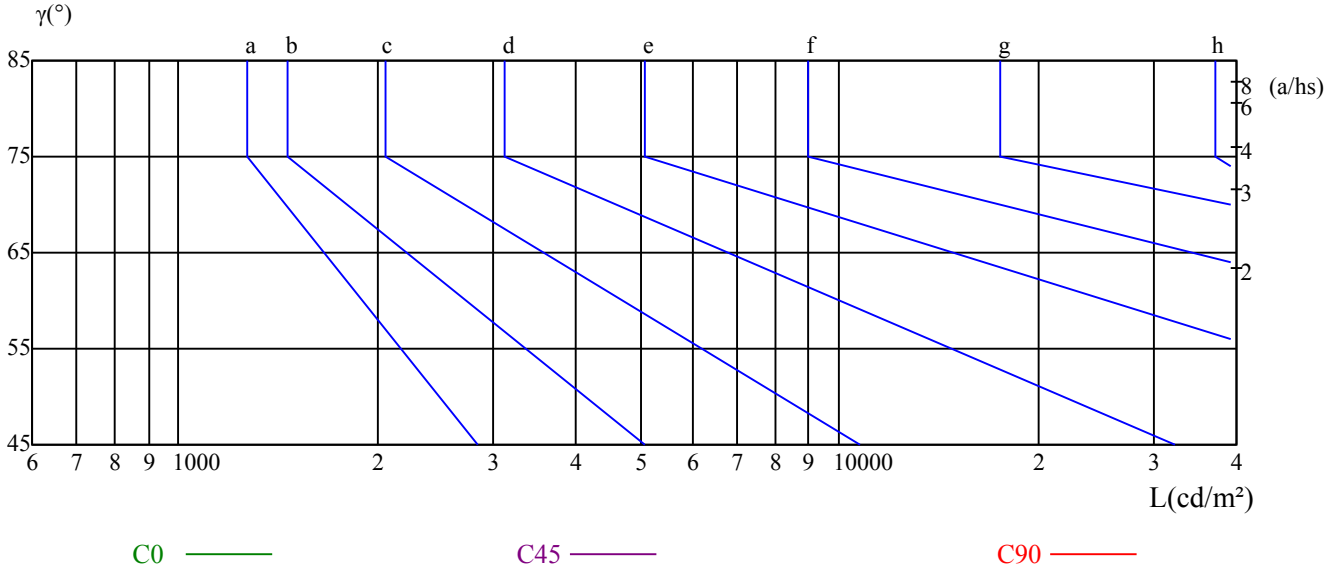
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

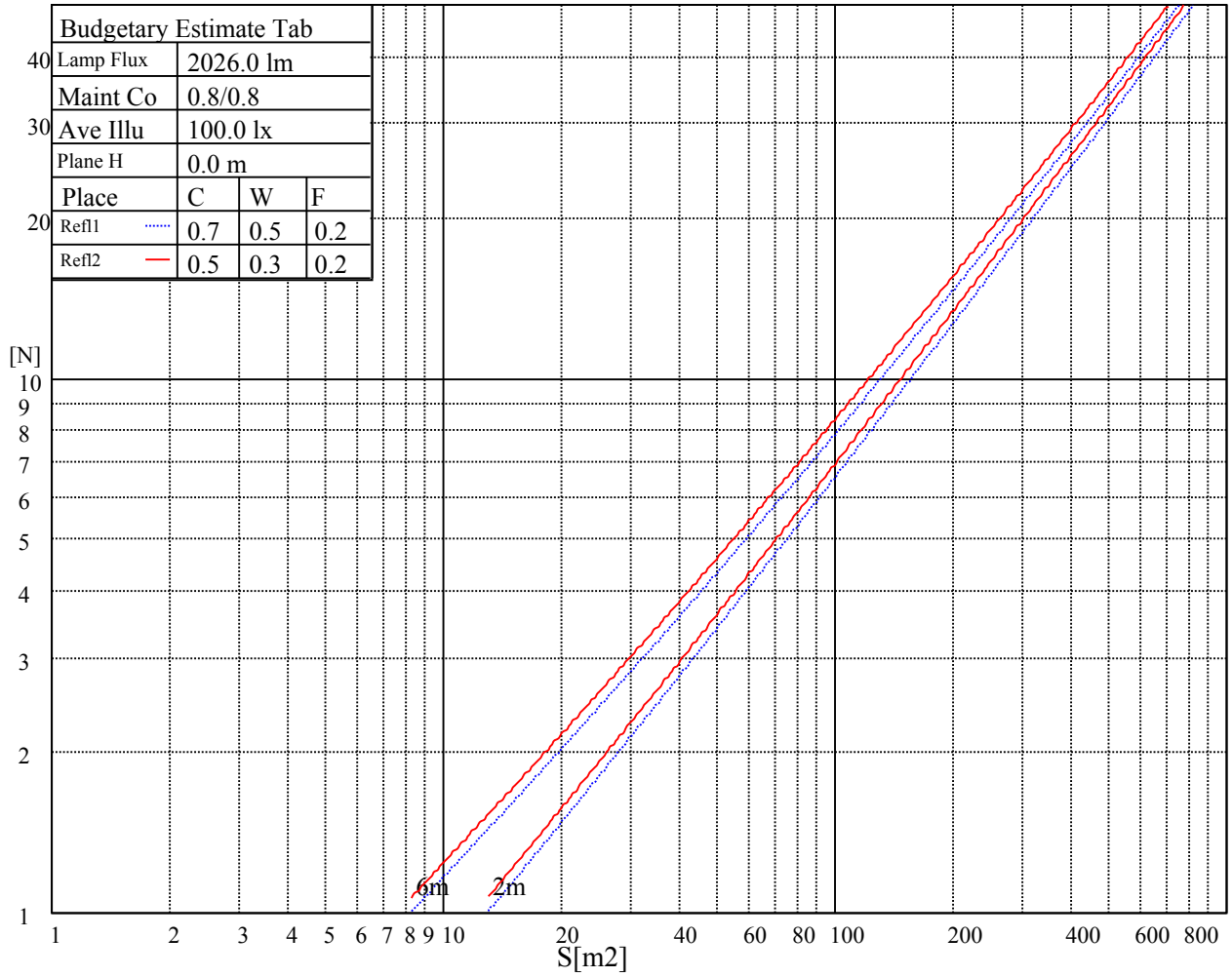
Luminance Limitting Curve



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		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

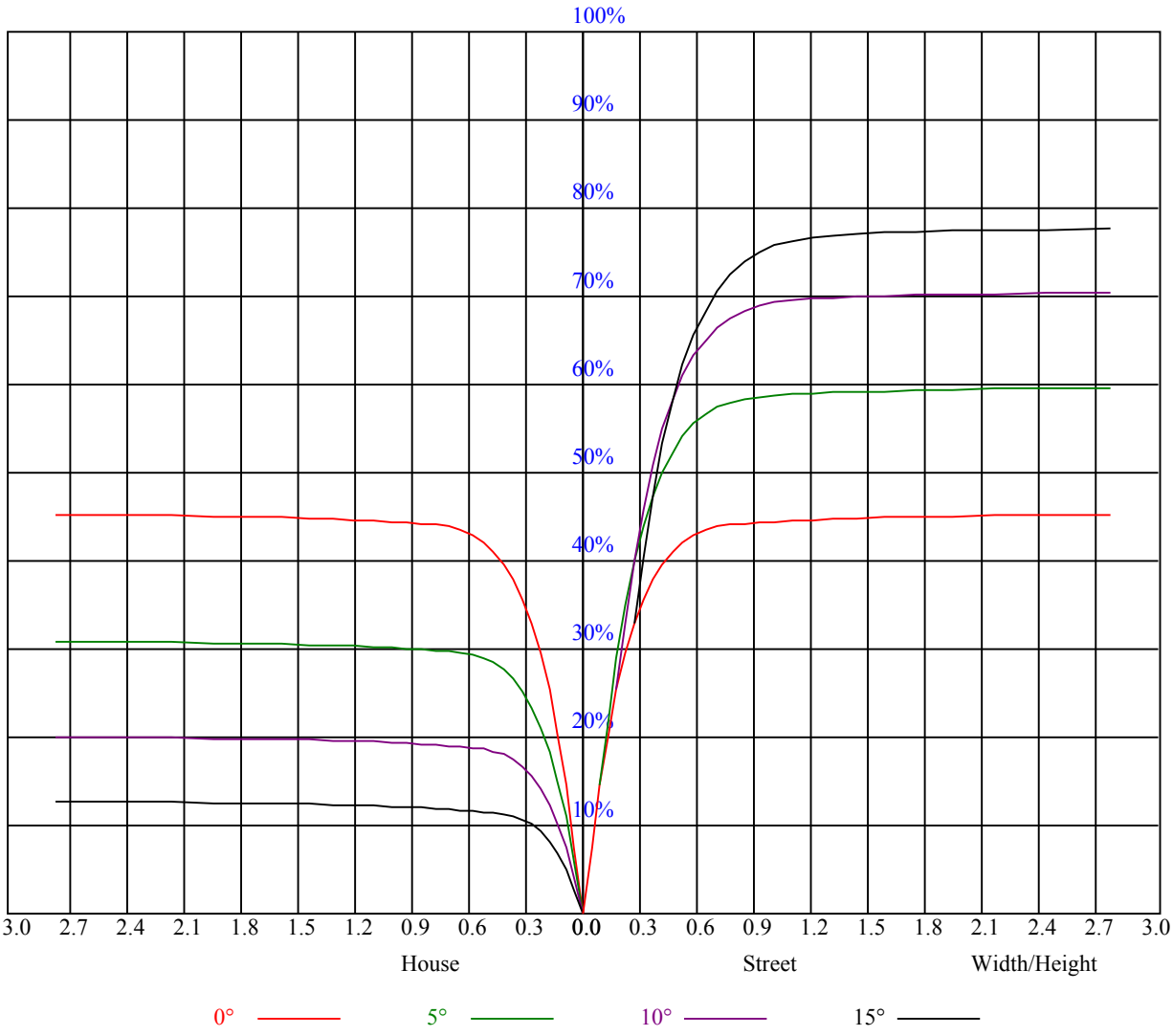


Equipment: GMS1980 Date: 2024/7/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

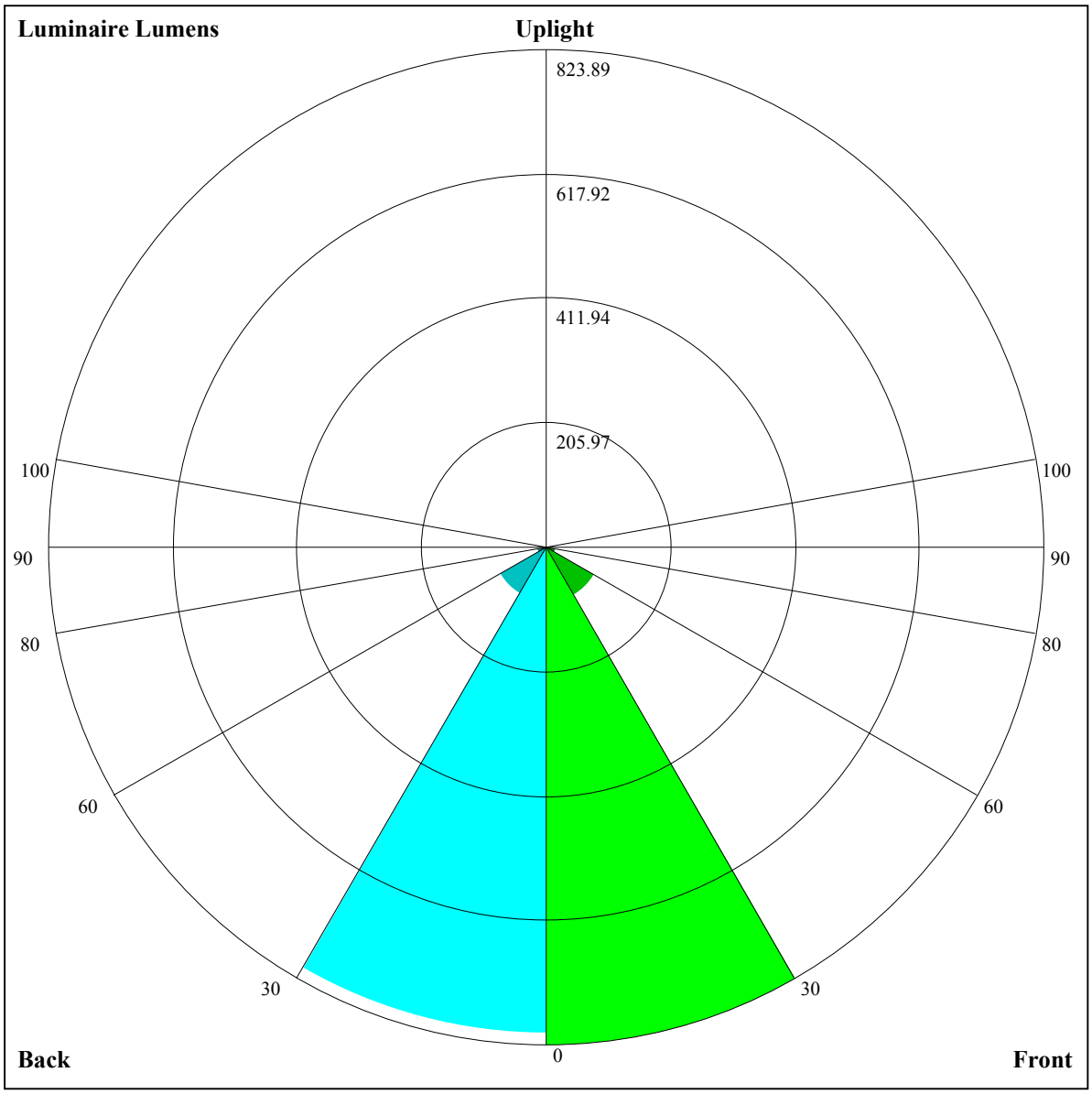
Utilization factor table for indoor luminaire

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	1.09	1.09	1.09	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.00	0.98	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.87	0.86	0.87	0.85	0.84	0.83
3	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.81	0.84	0.82	0.80	0.79
4	0.87	0.83	0.80	0.86	0.82	0.80	0.84	0.81	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.76
5	0.83	0.79	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.74	0.73
6	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
7	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.71	0.68	0.67
8	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
9	0.72	0.67	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63
10	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.61

Coefficient Utilization Curve



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



Luminaire Lumens:
FL=823.89,FM=92.38,FH=15.8,FVH=5.09
BL=806.04,BM=89.15,BH=15.69,BVH=5.05
UL=0,UH=0

BUG Rating:B2-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	9085.09	9036.52	8772.58	8273.38	7740.24	7132.78	6305.86	5652.16	5011.93
45.0	8904.26	9124.89	9174.05	8993.80	8643.25	8172.14	7579.31	6775.21	6126.19
90.0	9141.86	9103.82	8855.10	8488.75	8004.77	7265.63	6637.10	5976.38	5332.04
135.0	8975.07	9095.63	8979.75	8608.13	8168.63	7620.86	6984.72	6163.65	5533.95
180.0	9085.09	8952.25	8640.91	8212.52	7583.99	7001.11	6370.23	5745.21	4997.29
225.0	8904.26	8531.47	7941.56	7395.55	6776.96	6000.96	5394.08	4808.27	4168.62
270.0	9141.86	8970.97	8560.73	8106.60	7554.14	6824.37	6202.86	5588.37	4865.03
315.0	8975.07	8735.71	8376.97	7731.47	7157.36	6529.41	5871.04	5080.98	4489.90
360.0	9085.09	9036.52	8772.58	8273.38	7740.24	7132.78	6305.86	5652.16	5011.93

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4308.48	3815.73	3416.02	3076.59	2727.79	2491.36	2291.21	2096.33	1884.48
45.0	5495.91	4726.92	4195.54	3624.36	3246.30	2943.16	2671.61	2380.17	2174.75
90.0	4738.04	4072.05	3629.04	3249.23	2864.73	2601.97	2316.96	2112.72	1930.72
135.0	4922.39	4374.03	3780.03	3376.22	3048.50	2763.49	2457.42	2244.98	2012.06
180.0	4455.96	3964.37	3535.99	3101.75	2793.34	2537.59	2265.46	2074.10	1851.13
225.0	3741.40	3369.20	2969.49	2700.29	2467.95	2256.69	2021.43	1848.20	1698.97
270.0	4333.06	3877.17	3472.20	3040.89	2751.20	2500.72	2277.75	2024.94	1850.54
315.0	3964.96	3535.99	3074.83	2775.78	2508.92	2226.25	2034.30	1857.56	1667.36
360.0	4308.48	3815.73	3416.02	3076.59	2727.79	2491.36	2291.21	2096.33	1884.48

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1729.40	1560.85	1439.71	1142.01	1142.01	1092.62	996.58	908.80	802.58
45.0	1996.85	1838.25	1652.73	1523.40	1405.77	1298.67	1169.34	1069.26	953.98
90.0	1737.01	1591.87	1465.46	1166.18	1166.18	1115.50	1020.52	932.09	830.61
135.0	1847.61	1701.31	1538.62	1420.98	1307.45	1204.45	1082.72	994.36	907.16
180.0	1698.97	1553.25	1420.98	1280.53	1178.12	1080.38	989.67	883.16	794.79
225.0	1522.23	1405.77	1166.65	1166.65	1071.78	981.07	877.54	797.13	718.42
270.0	1696.04	1519.30	1394.65	1281.70	1154.12	1061.66	973.29	865.02	786.60
315.0	1533.35	1301.60	1164.01	1164.01	1071.31	956.84	876.37	798.95	729.83
360.0	1729.40	1560.85	1439.71	1142.01	1142.01	1092.62	996.58	908.80	802.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	722.23	643.10	570.59	482.87	415.51	352.19	294.66	228.76	183.12
45.0	864.44	781.33	681.26	605.77	532.03	459.46	375.77	315.49	302.03
90.0	749.26	673.07	582.24	511.55	424.76	360.62	300.81	247.26	188.09
135.0	821.71	721.64	643.22	567.14	473.51	405.03	343.00	299.11	299.11
180.0	714.03	642.05	553.68	478.77	398.60	337.73	309.06	309.06	169.77
225.0	624.84	551.93	478.36	406.44	325.09	266.39	215.13	170.36	123.78
270.0	708.18	623.91	550.17	475.26	407.38	344.17	298.52	298.52	173.75
315.0	642.46	570.65	498.14	428.44	348.91	291.38	240.35	183.99	146.13
360.0	722.23	643.10	570.59	482.87	415.51	352.19	294.66	228.76	183.12

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	135.42	106.16	83.45	63.26	52.79	45.65	41.08	37.22	34.82
45.0	235.90	153.33	119.15	91.65	67.48	54.84	46.41	39.44	35.76
90.0	148.82	117.92	93.40	70.64	58.23	49.63	43.60	38.51	35.64
135.0	163.34	128.40	101.19	80.12	61.57	51.56	44.59	39.50	35.29
180.0	133.78	102.82	78.65	63.15	53.26	46.41	40.97	38.45	36.23
225.0	95.57	74.27	56.36	47.11	40.97	36.05	33.36	31.19	29.20
270.0	129.63	102.00	81.76	63.38	53.26	44.77	40.32	36.99	34.29
315.0	109.14	87.14	70.46	58.23	48.11	42.78	39.09	36.11	32.95
360.0	135.42	106.16	83.45	63.26	52.79	45.65	41.08	37.22	34.82

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	32.95	31.43	30.20	29.44	28.79	28.50	27.97	27.51	26.80
45.0	33.07	30.31	28.50	27.15	25.69	24.76	23.99	23.53	23.06
90.0	32.71	30.72	28.91	27.15	25.93	24.93	23.99	23.35	22.71
135.0	32.83	30.61	28.85	26.98	25.63	24.40	23.58	22.82	22.12
180.0	33.94	32.36	31.08	29.79	28.79	28.03	27.10	26.39	25.93
225.0	27.86	26.63	25.57	24.70	24.05	23.53	23.06	22.65	22.30
270.0	31.72	30.02	28.56	27.33	26.16	25.46	24.76	23.99	23.58
315.0	31.02	29.26	27.39	26.16	25.11	24.05	23.29	22.53	22.12
360.0	32.95	31.43	30.20	29.44	28.79	28.50	27.97	27.51	26.80

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.28	25.75	25.40	25.28	24.99	24.70	24.40	23.99	23.47
45.0	22.71	22.36	22.24	22.06	21.83	21.71	21.65	21.59	21.24
90.0	22.30	22.00	21.89	21.77	21.59	21.54	21.42	21.19	20.54
135.0	21.77	21.48	21.30	21.13	21.19	21.30	21.30	21.13	20.89
180.0	25.52	25.22	25.05	24.93	24.64	24.46	24.23	23.82	22.82
225.0	22.12	22.00	21.95	21.83	21.71	21.42	20.95	20.37	19.61
270.0	23.41	23.17	23.06	22.94	22.82	22.59	22.12	21.71	20.95
315.0	21.83	21.65	21.48	21.36	21.42	21.30	21.07	20.60	19.90
360.0	26.28	25.75	25.40	25.28	24.99	24.70	24.40	23.99	23.47

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.65	21.83	20.89	19.90	18.55	17.50	16.39	15.57	14.81
45.0	20.83	20.25	19.55	18.49	17.73	16.97	16.21	15.33	14.69
90.0	20.01	19.08	18.20	17.44	16.62	15.68	15.04	14.51	14.05
135.0	20.60	19.90	19.08	18.14	17.38	16.56	15.80	15.04	14.51
180.0	22.06	21.01	20.07	19.08	17.85	17.03	16.21	15.45	14.51
225.0	18.79	17.91	17.21	16.44	15.80	15.04	14.51	13.99	13.40
270.0	20.01	19.14	18.32	17.21	16.39	15.51	14.92	14.34	13.75
315.0	19.20	18.08	17.26	16.27	15.57	14.92	14.28	13.75	13.28
360.0	22.65	21.83	20.89	19.90	18.55	17.50	16.39	15.57	14.81

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.05	13.58	13.17	12.82	12.41	12.06	11.76	11.41	11.06
45.0	14.16	13.58	13.11	12.70	12.23	11.94	11.59	11.29	10.94
90.0	13.46	13.05	12.64	12.29	11.88	11.59	11.18	10.89	10.65
135.0	13.93	13.46	12.99	12.58	12.29	11.94	11.59	11.29	11.00
180.0	13.93	13.40	13.05	12.58	12.23	11.88	11.47	11.12	10.89
225.0	12.99	12.58	12.17	11.82	11.47	11.12	10.83	10.53	10.30
270.0	13.23	12.76	12.29	12.00	11.65	11.35	10.94	10.71	10.42
315.0	12.87	12.41	12.06	11.70	11.41	11.00	10.77	10.48	10.18
360.0	14.05	13.58	13.17	12.82	12.41	12.06	11.76	11.41	11.06

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.83	10.59	10.30	10.01	9.77	9.31	9.01	8.72	8.49
45.0	10.71	10.42	10.18	9.95	9.71	9.42	8.84	8.66	8.43
90.0	10.36	10.12	9.89	9.66	9.36	8.72	8.54	8.37	8.25
135.0	10.59	10.36	10.07	9.77	9.54	9.25	8.66	8.43	8.31
180.0	10.53	10.30	10.01	9.77	9.54	9.13	8.72	8.31	8.02
225.0	10.01	9.77	9.60	9.36	9.01	8.54	8.31	8.08	8.02
270.0	10.18	9.89	9.66	9.42	9.19	8.66	8.43	8.19	8.08
315.0	9.95	9.77	9.54	9.36	9.01	8.54	8.37	8.19	8.02
360.0	10.83	10.59	10.30	10.01	9.77	9.31	9.01	8.72	8.49

Intensity data(cd)

C/γ(°)	90.0
0.0	8.19
45.0	8.31
90.0	8.13
135.0	8.08
180.0	7.96
225.0	8.02
270.0	8.02
315.0	7.96
360.0	8.19