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: 2-2688-L
Luminaire: 92.70.412.00
Report No: 2024315-B005
Ballast type: AC

Test No: 2024315-C005	Voltage(V): 34.650
LampCAT: BRIDGELUX V13B LES13	Current(A): 0.450
Lamp flux(lm): 2626.0	Power (W): 15.592
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2151.65, Efficiency(%): 81.94% , Luminous Efficacy(lm/W): 138.00
Central intensity(cd): 5249.893, Maximum intensity(cd): 5249.893
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=35.2
[C90/270]Total=35.2
Field angle(10%Imax): [C0/180]Total=61.0
[C90/270]Total=61.0
Maximum s/h(1/2): C0_180=0.58 C90_270=0.58
Maximum s/h(1/4): C0_180=0.58 C90_270=0.58
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 81.94%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.807%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5249.893	0.000	0	0.00%	0.00%
1.0	5246.820	5.022	5.022	0.19%	0.23%
2.0	5233.506	15.042	20.065	0.57%	0.93%
3.0	5207.756	24.972	45.037	0.95%	2.09%
4.0	5163.718	34.717	79.754	1.32%	3.71%
5.0	5098.319	44.147	123.9	1.68%	5.76%
6.0	5008.999	53.117	177.017	2.02%	8.23%
7.0	4878.567	61.372	238.389	2.34%	11.08%
8.0	4719.167	68.689	307.078	2.62%	14.27%
9.0	4544.331	75.076	382.154	2.86%	17.76%
10.0	4348.792	80.480	462.633	3.06%	21.50%
11.0	4138.038	84.801	547.434	3.23%	25.44%
12.0	3924.212	88.132	635.566	3.36%	29.54%
13.0	3689.024	90.350	725.916	3.44%	33.74%
14.0	3464.444	91.564	817.48	3.49%	37.99%
15.0	3230.208	91.907	909.387	3.50%	42.26%
16.0	2998.313	91.265	1000.652	3.48%	46.51%
17.0	2762.394	89.710	1090.362	3.42%	50.68%
18.0	2545.056	87.508	1177.87	3.33%	54.74%
19.0	2335.765	84.916	1262.786	3.23%	58.69%
20.0	2116.086	81.481	1344.268	3.10%	62.48%
21.0	1912.647	77.360	1421.627	2.95%	66.07%
22.0	1717.694	72.953	1494.581	2.78%	69.46%
23.0	1499.376	67.503	1562.084	2.57%	72.60%
24.0	1334.364	61.956	1624.039	2.36%	75.48%
25.0	1189.236	57.381	1681.42	2.19%	78.15%
26.0	1061.401	53.127	1734.547	2.02%	80.61%
27.0	927.999	48.671	1783.218	1.85%	82.88%
28.0	802.987	43.825	1827.043	1.67%	84.91%
29.0	681.451	38.837	1865.88	1.48%	86.72%
30.0	573.484	33.883	1899.763	1.29%	88.29%
31.0	480.784	29.339	1929.102	1.12%	89.66%
32.0	399.343	25.215	1954.316	0.96%	90.83%
33.0	329.555	21.474	1975.79	0.82%	91.83%
34.0	270.652	18.164	1993.954	0.69%	92.67%
35.0	229.079	15.520	2009.474	0.59%	93.39%
36.0	170.827	12.733	2022.207	0.48%	93.98%
37.0	129.188	9.785	2031.992	0.37%	94.44%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	100.490	7.666	2039.658	0.29%	94.79%
39.0	81.485	6.211	2045.869	0.24%	95.08%
40.0	66.321	5.155	2051.024	0.20%	95.32%
41.0	56.108	4.360	2055.384	0.17%	95.53%
42.0	49.269	3.829	2059.213	0.15%	95.70%
43.0	44.141	3.460	2062.673	0.13%	95.86%
44.0	40.593	3.198	2065.871	0.12%	96.01%
45.0	37.879	3.016	2068.886	0.11%	96.15%
46.0	35.640	2.875	2071.762	0.11%	96.29%
47.0	33.855	2.764	2074.526	0.11%	96.42%
48.0	32.297	2.674	2077.2	0.10%	96.54%
49.0	30.980	2.599	2079.798	0.10%	96.66%
50.0	29.700	2.530	2082.328	0.10%	96.78%
51.0	28.574	2.465	2084.794	0.09%	96.89%
52.0	27.549	2.408	2087.202	0.09%	97.00%
53.0	26.584	2.355	2089.557	0.09%	97.11%
54.0	25.604	2.300	2091.857	0.09%	97.22%
55.0	24.638	2.243	2094.1	0.09%	97.33%
56.0	23.775	2.188	2096.287	0.08%	97.43%
57.0	22.809	2.130	2098.417	0.08%	97.53%
58.0	21.953	2.070	2100.487	0.08%	97.62%
59.0	21.097	2.013	2102.5	0.08%	97.72%
60.0	20.322	1.957	2104.457	0.07%	97.81%
61.0	19.612	1.906	2106.363	0.07%	97.90%
62.0	19.027	1.862	2108.224	0.07%	97.98%
63.0	18.515	1.826	2110.05	0.07%	98.07%
64.0	18.120	1.798	2111.848	0.07%	98.15%
65.0	17.762	1.776	2113.624	0.07%	98.23%
66.0	17.542	1.761	2115.385	0.07%	98.31%
67.0	17.403	1.757	2117.142	0.07%	98.40%
68.0	17.418	1.764	2118.906	0.07%	98.48%
69.0	17.527	1.783	2120.689	0.07%	98.56%
70.0	17.776	1.813	2122.502	0.07%	98.65%
71.0	18.076	1.853	2124.355	0.07%	98.73%
72.0	18.464	1.900	2126.255	0.07%	98.82%
73.0	18.537	1.935	2128.19	0.07%	98.91%
74.0	18.149	1.929	2130.119	0.07%	99.00%
75.0	17.549	1.886	2132.005	0.07%	99.09%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.972	1.833	2133.837	0.07%	99.17%
77.0	16.445	1.782	2135.619	0.07%	99.25%
78.0	15.530	1.712	2137.331	0.07%	99.33%
79.0	14.477	1.612	2138.943	0.06%	99.41%
80.0	12.999	1.481	2140.424	0.06%	99.48%
81.0	11.800	1.341	2141.765	0.05%	99.54%
82.0	11.046	1.239	2143.004	0.05%	99.60%
83.0	10.702	1.182	2144.186	0.05%	99.65%
84.0	10.468	1.153	2145.34	0.04%	99.71%
85.0	10.146	1.125	2146.465	0.04%	99.76%
86.0	9.810	1.091	2147.556	0.04%	99.81%
87.0	9.459	1.055	2148.61	0.04%	99.86%
88.0	9.283	1.027	2149.637	0.04%	99.91%
89.0	9.173	1.012	2150.649	0.04%	99.95%
90.0	9.144	1.004	2151.653	0.04%	100.00%

Zonal flux distribution table

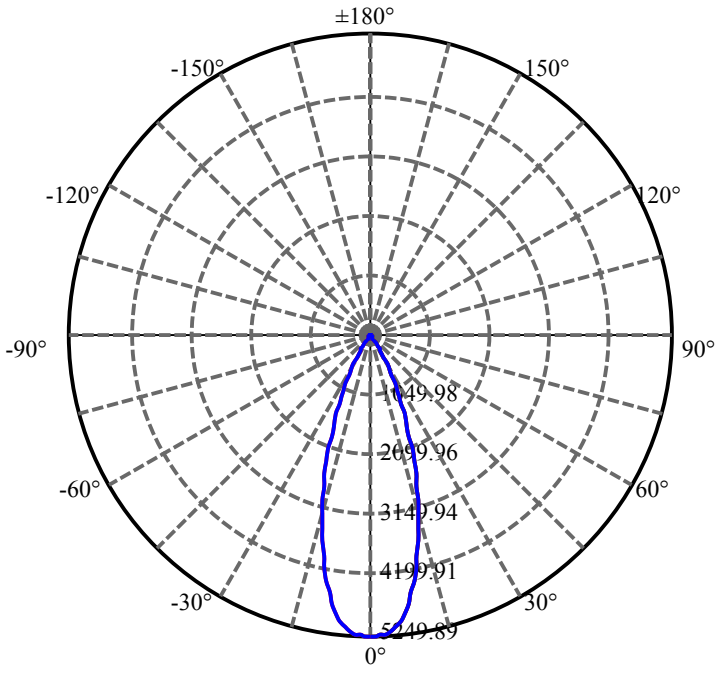
ZONAL LUMEN SUMMARY

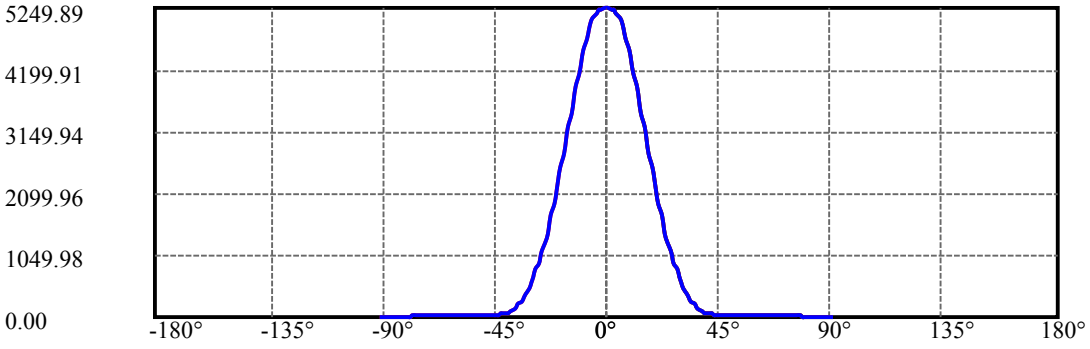
Zone	Lumens	%Lamp	%Fixt
0-30	1899.76	72.34%	88.29%
0-40	2051.02	78.10%	95.32%
0-60	2104.46	80.14%	97.81%
0-90	2150.65	81.90%	99.95%
0-120	2150.65	81.90%	99.95%
0-180	2151.65	81.94%	100.00%
60-90	46.19	1.76%	2.15%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.75	1721.32	65.55%	80.00%

ZONAL LUMEN SUMMARY

0-10	462.63
10-20	881.63
20-30	555.50
30-40	151.26
40-50	31.30
50-60	22.13
60-70	18.05
70-80	17.92
80-90	10.22
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):

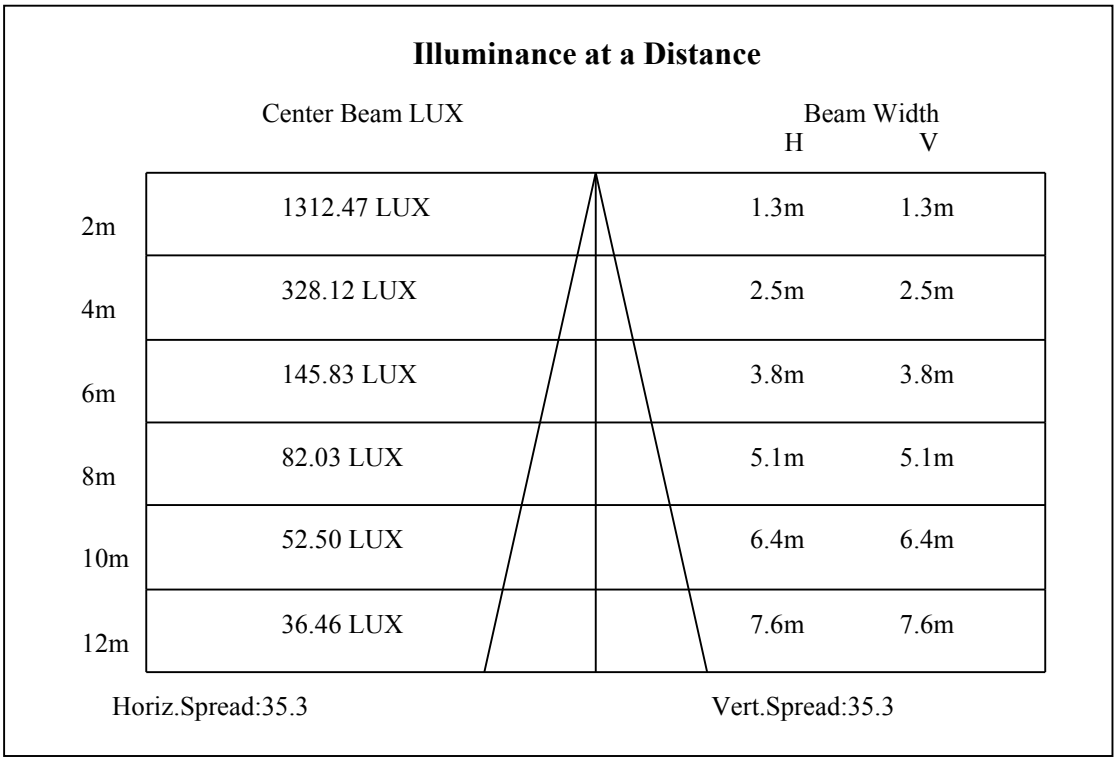
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:30.5 Right:30.5
:C90/270Left:30.5 Right:30.5

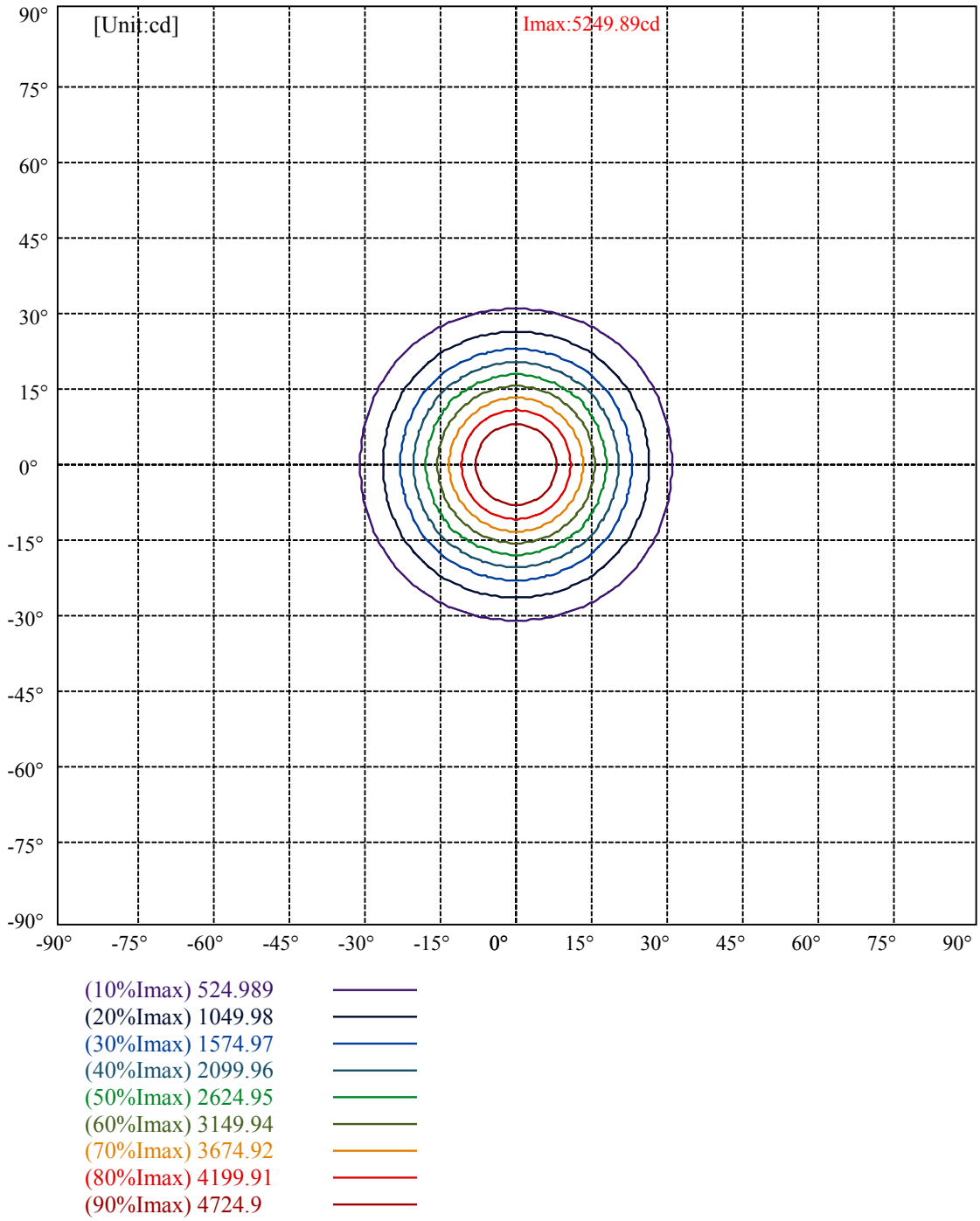
Beam Angle(50%Imax):C0/180Left:17.6 Right:17.6
:C90/270Left:17.6 Right:17.6

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/15 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

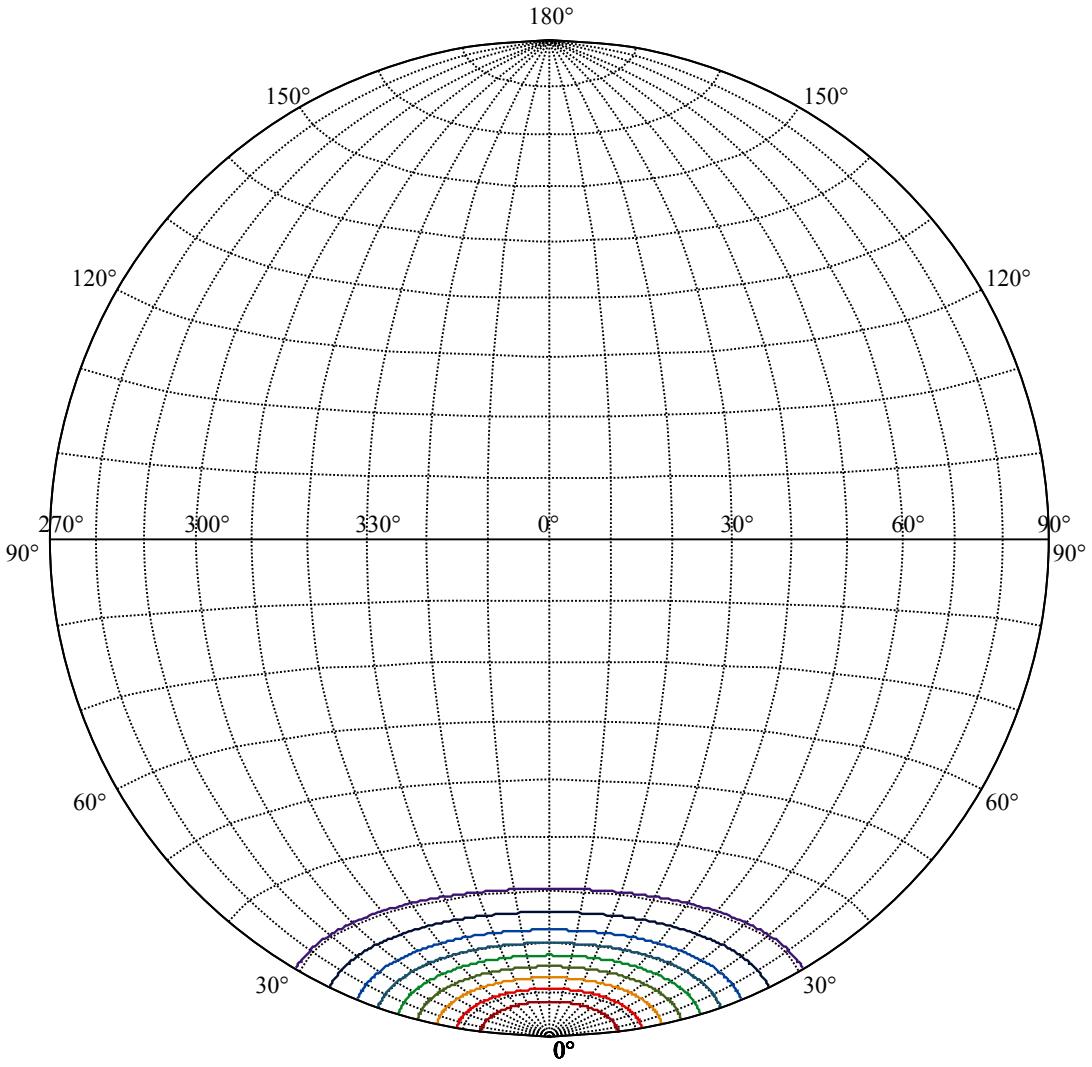


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/15
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



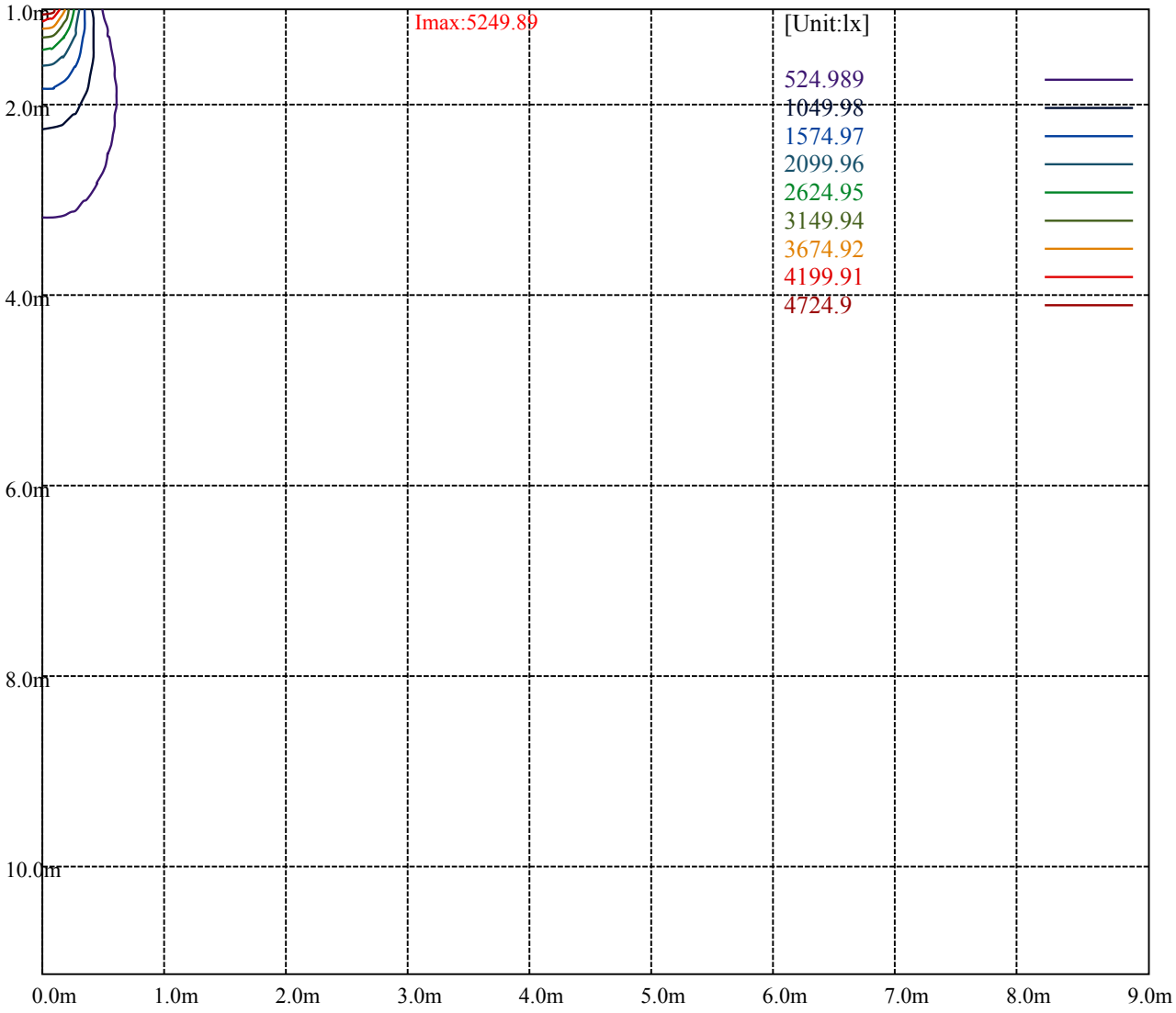
House [Unit:cd] Road

Imax:5249.89

(10%Imax) 524.989
(20%Imax) 1049.98
(30%Imax) 1574.97
(40%Imax) 2099.96
(50%Imax) 2624.95
(60%Imax) 3149.94
(70%Imax) 3674.92
(80%Imax) 4199.91
(90%Imax) 4724.9

Equipment: GMS1980 Date: 2024/3/15 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/15
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

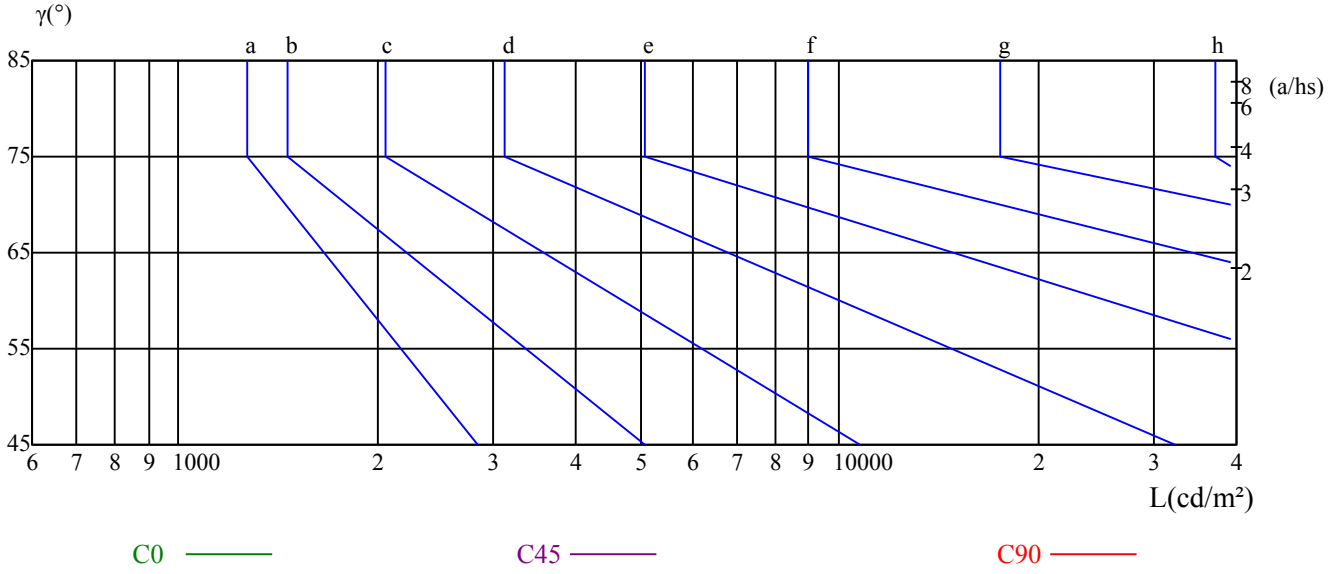
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

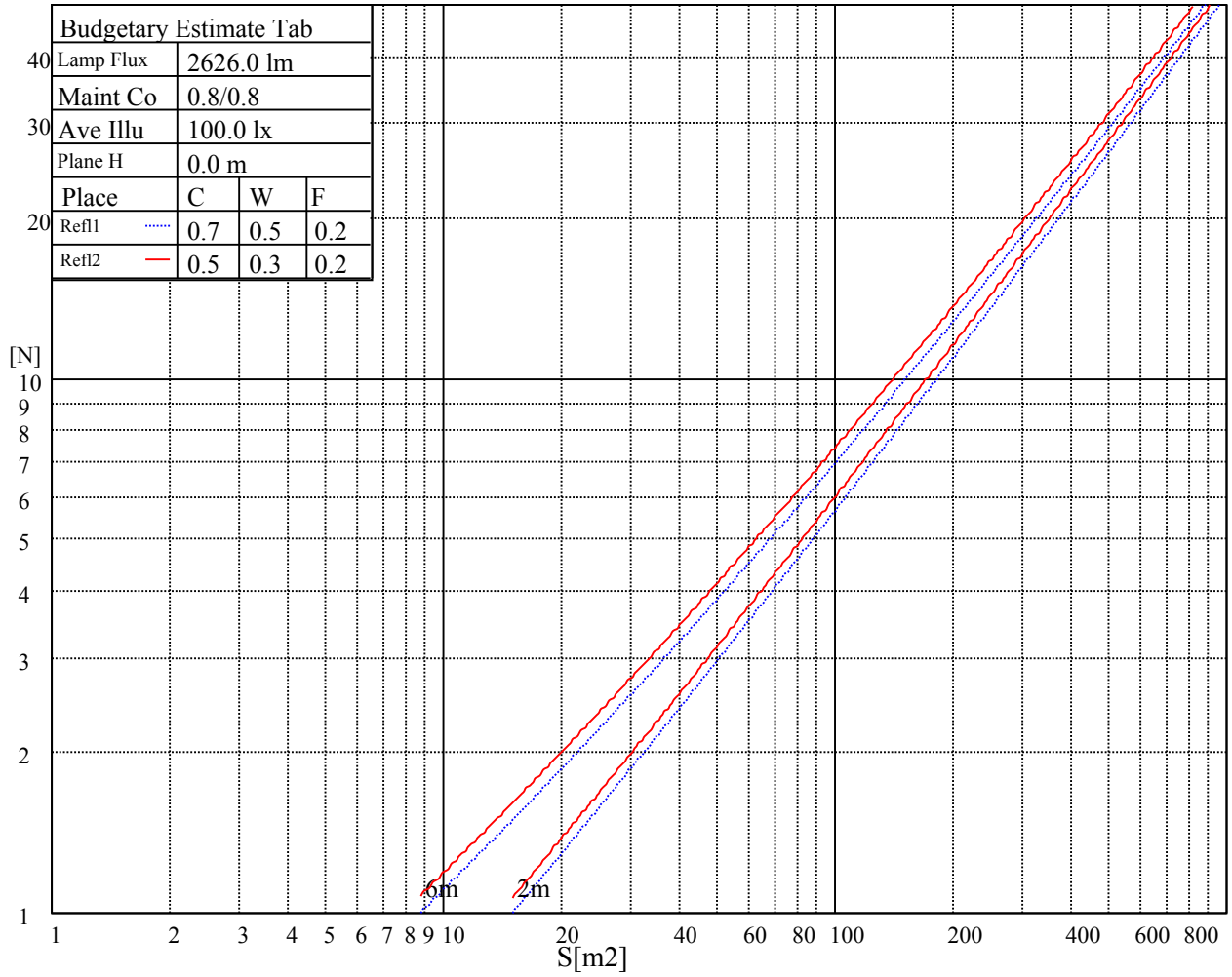
Date: 2024/3/15
Humidity(%): 60.0%

Operator: NT07
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

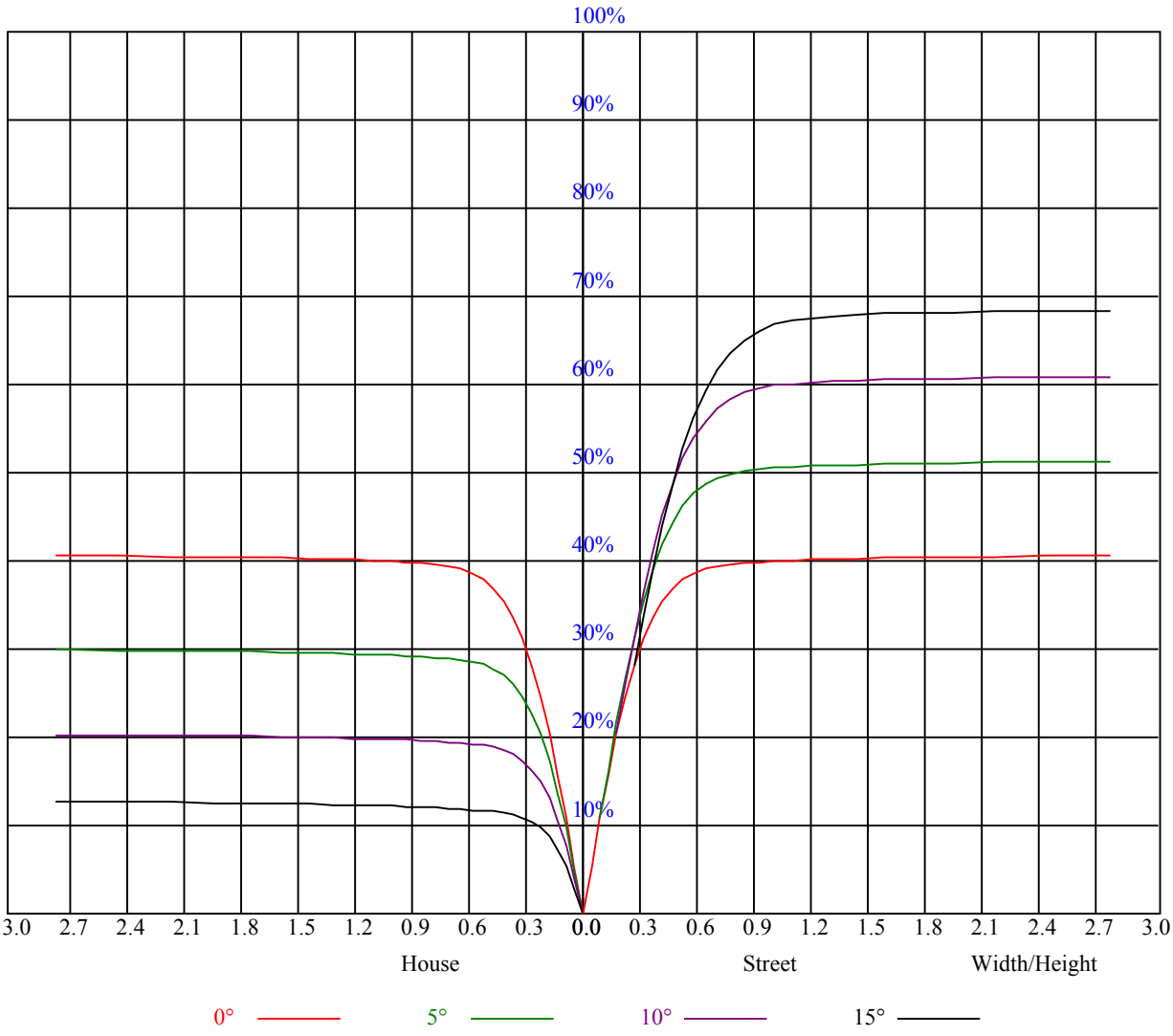


Equipment: GMS1980 Date: 2024/3/15 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

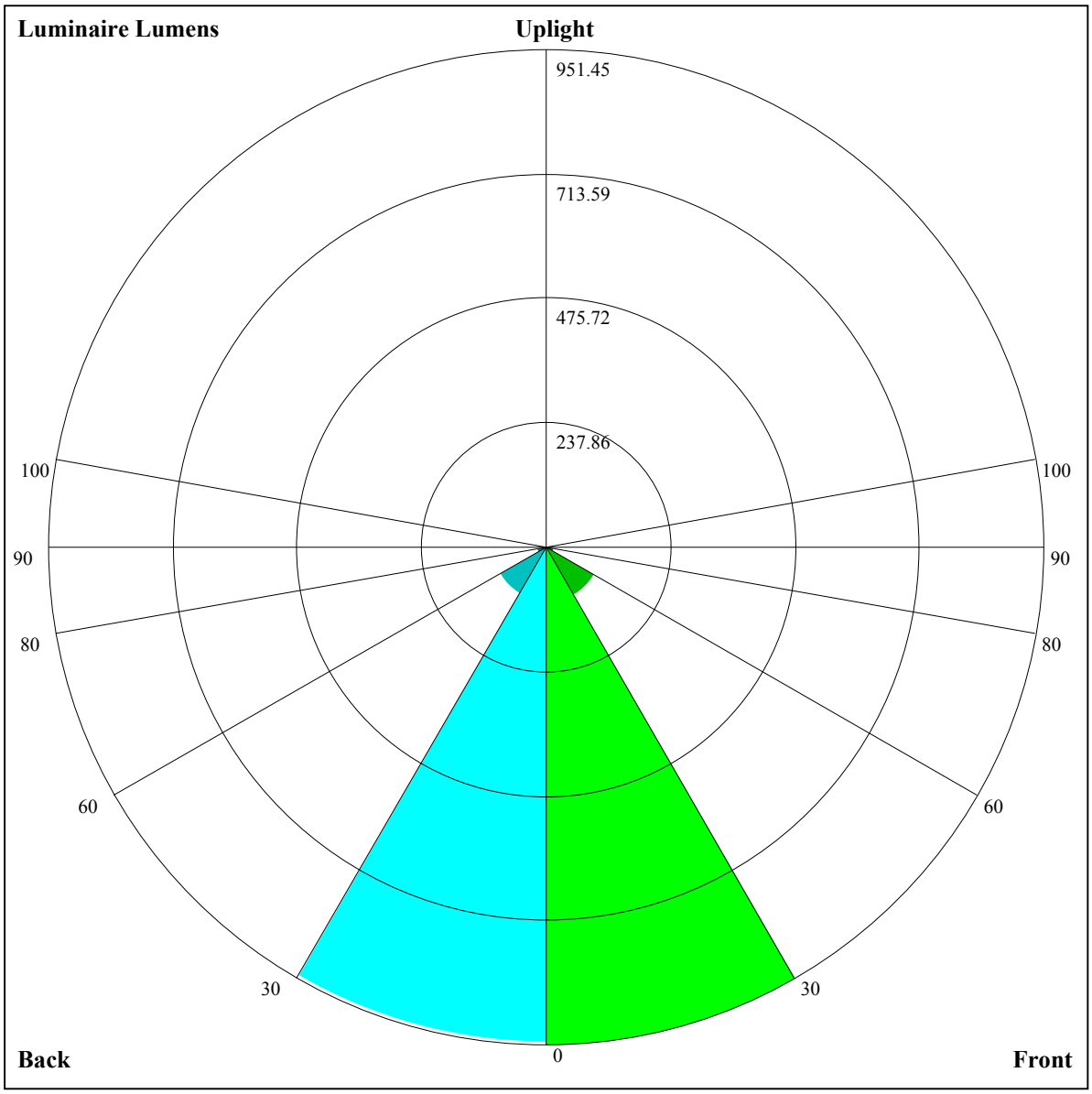
Utilization factor table for indoor luminaire

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	0.98	0.98	0.98	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.84	0.84	0.84	0.82
1	0.91	0.89	0.88	0.90	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.77
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.76	0.77	0.76	0.75	0.73
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.69	0.68	0.67
5	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.64
6	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.67	0.64	0.62	0.66	0.64	0.62	0.61
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.61	0.59	0.58
8	0.65	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/15	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=951.45,FM=105.25,FH=16.81,FVH=5.58
BL=947.53,BM=103.59,BH=17.98,BVH=5.68
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	5298.10	5302.78	5262.40	5217.34	5145.36	5042.36	4911.85	4725.17	4567.74
45.0	5258.31	5281.13	5294.00	5271.18	5235.48	5189.25	5080.98	4963.35	4767.30
90.0	5233.14	5235.48	5215.58	5182.23	5126.63	5034.16	4902.49	4698.24	4510.39
135.0	5209.15	5182.23	5171.69	5146.53	5101.46	5039.43	4949.31	4815.29	4622.17
180.0	5298.10	5270.01	5222.02	5183.40	5147.70	5107.90	5060.50	4994.37	4856.26
225.0	5258.31	5216.17	5199.20	5169.35	5123.12	5051.72	4972.72	4862.11	4712.29
270.0	5234.90	5236.07	5238.41	5237.24	5210.32	5159.40	5104.98	5016.61	4900.15
315.0	5209.15	5250.70	5264.74	5254.79	5219.68	5162.33	5089.18	4953.40	4817.05
360.0	5298.10	5302.78	5262.40	5217.34	5145.36	5042.36	4911.85	4725.17	4567.74

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4405.63	4181.49	3973.74	3757.79	3480.39	3250.40	3036.21	2829.04	2628.30
45.0	4591.15	4415.00	4223.63	3974.32	3761.88	3543.01	3314.19	3030.94	2816.75
90.0	4319.02	4127.65	3865.47	3647.18	3421.87	3135.11	2912.14	2702.63	2453.32
135.0	4431.38	4175.05	3971.98	3760.13	3483.32	3259.18	3036.21	2764.08	2559.83
180.0	4708.78	4503.95	4295.02	4085.51	3839.72	3633.14	3407.82	3180.76	2909.80
225.0	4486.98	4293.27	4109.51	3861.96	3644.25	3432.99	3164.96	2953.69	2745.35
270.0	4754.43	4601.10	4381.64	4209.58	4032.84	3828.02	3555.89	3337.60	3063.13
315.0	4657.28	4492.83	4283.32	4097.22	3847.91	3633.72	3414.26	3187.78	2922.67
360.0	4405.63	4181.49	3973.74	3757.79	3480.39	3250.40	3036.21	2829.04	2628.30

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2367.88	2159.54	1917.84	1736.42	1569.05	1165.07	1165.07	1098.12	933.73
45.0	2611.33	2406.50	2151.93	1955.30	1735.84	1572.56	1417.47	1231.37	1092.67
90.0	2253.17	2001.53	1816.60	1643.37	1483.02	1154.65	1154.65	1020.75	893.99
135.0	2360.86	2163.64	1973.44	1749.88	1581.92	1428.01	1246.00	1107.89	941.10
180.0	2704.97	2505.41	2294.14	2041.32	1852.88	1676.14	1476.58	1327.35	1151.20
225.0	2485.51	2281.27	2085.22	1891.51	1666.78	1504.67	1136.16	1136.16	1035.50
270.0	2858.88	2655.22	2385.44	2182.36	1988.07	1802.55	1586.60	1428.01	1278.78
315.0	2717.84	2513.01	2304.09	2101.02	1864.00	1691.36	1492.38	1164.25	1164.25
360.0	2367.88	2159.54	1917.84	1736.42	1569.05	1165.07	1165.07	1098.12	933.73

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	808.43	695.72	595.47	488.37	409.60	336.39	273.89	209.69	168.25
45.0	962.17	839.27	699.40	595.82	509.20	429.61	338.90	307.30	307.30
90.0	747.51	640.88	546.66	465.25	373.90	307.48	250.18	191.31	153.50
135.0	816.45	702.33	577.09	491.06	414.40	344.76	297.35	297.35	171.71
180.0	1019.52	893.70	768.46	637.95	545.49	456.53	382.80	299.69	299.69
225.0	906.92	786.25	647.14	549.18	462.33	366.70	300.81	243.75	186.57
270.0	1134.81	965.09	839.86	724.57	592.89	500.43	418.49	326.03	310.23
315.0	1028.18	900.66	777.53	635.67	538.47	452.85	374.02	290.10	235.38
360.0	808.43	695.72	595.47	488.37	409.60	336.39	273.89	209.69	168.25

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	134.60	108.38	83.22	69.29	57.00	50.21	45.41	41.20	38.74
45.0	167.02	133.61	101.65	82.87	69.12	59.34	50.45	45.71	42.08
90.0	116.87	93.52	76.02	63.44	52.79	47.05	43.01	39.97	36.93
135.0	136.94	109.20	82.93	67.94	55.36	48.81	44.36	40.32	37.81
180.0	233.39	157.37	120.50	97.85	78.95	63.03	54.13	46.76	43.31
225.0	150.58	121.08	97.62	76.02	63.56	55.01	49.04	43.83	40.73
270.0	238.07	158.54	127.17	101.77	77.89	64.49	55.01	48.34	43.13
315.0	189.14	151.81	114.82	92.70	75.90	60.92	52.73	46.99	42.02
360.0	134.60	108.38	83.22	69.29	57.00	50.21	45.41	41.20	38.74

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	36.69	34.47	33.12	31.78	30.55	29.20	28.27	27.21	26.22
45.0	39.27	36.46	34.59	32.95	31.25	29.96	28.97	27.74	26.69
90.0	34.88	33.18	31.43	30.14	29.03	27.86	26.86	25.69	24.81
135.0	35.17	33.47	32.01	30.72	29.44	28.15	27.27	26.34	25.46
180.0	40.20	37.34	35.41	33.83	32.54	31.25	29.85	29.03	28.09
225.0	37.75	35.82	34.12	32.42	31.25	30.14	28.85	27.97	27.04
270.0	40.03	37.57	35.58	33.47	32.13	30.61	29.50	28.44	27.33
315.0	39.03	36.81	34.59	33.07	31.66	30.43	29.03	27.97	27.04
360.0	36.69	34.47	33.12	31.78	30.55	29.20	28.27	27.21	26.22

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.16	24.23	23.35	22.18	21.36	20.48	19.78	19.08	18.55
45.0	25.75	24.70	23.82	22.94	21.77	21.07	20.31	19.49	18.67
90.0	23.94	23.06	21.95	21.13	20.42	19.72	18.79	18.14	17.62
135.0	24.46	23.64	22.82	21.77	21.01	20.19	19.49	18.79	18.14
180.0	26.86	25.98	25.16	24.17	23.35	22.30	21.59	20.95	20.25
225.0	26.16	25.05	24.29	23.47	22.59	21.65	21.01	20.37	20.31
270.0	26.39	25.52	24.70	23.76	22.94	22.06	21.24	20.42	19.72
315.0	26.10	24.93	24.11	23.06	22.18	21.30	20.37	19.66	18.96
360.0	25.16	24.23	23.35	22.18	21.36	20.48	19.78	19.08	18.55

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.97	17.38	16.97	17.09	17.67	18.55	19.20	19.84	20.78
45.0	18.08	17.56	16.97	16.39	16.04	16.80	18.26	18.79	18.02
90.0	17.03	16.33	15.80	15.27	14.92	14.46	14.05	13.69	13.40
135.0	17.73	17.26	16.68	16.33	15.92	15.63	15.39	15.80	16.85
180.0	19.49	19.02	18.55	18.32	18.08	18.14	18.20	18.55	18.79
225.0	20.66	21.54	22.30	23.17	23.88	23.82	23.64	23.99	24.99
270.0	19.02	18.26	17.73	17.21	16.56	16.09	15.63	15.16	14.75
315.0	18.14	17.62	17.09	16.56	16.15	15.86	15.86	16.39	17.03
360.0	17.97	17.38	16.97	17.09	17.67	18.55	19.20	19.84	20.78

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.83	20.07	19.43	18.90	16.33	15.51	13.93	12.00	11.47
45.0	18.20	19.14	19.31	17.03	17.21	17.56	15.80	15.33	12.76
90.0	13.11	12.76	12.47	12.23	12.00	11.65	11.41	11.18	10.94
135.0	17.26	17.26	17.44	17.26	16.68	16.15	15.10	13.93	11.88
180.0	19.66	20.48	20.95	21.01	20.37	20.07	19.02	17.85	16.27
225.0	26.63	26.28	23.88	22.65	22.71	20.89	20.42	18.32	15.10
270.0	14.34	14.05	13.64	13.34	12.99	12.76	12.47	12.17	11.88
315.0	17.67	18.26	18.08	17.97	17.50	16.97	16.09	15.04	13.69
360.0	20.83	20.07	19.43	18.90	16.33	15.51	13.93	12.00	11.47

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.18	10.83	10.77	10.94	10.12	9.60	9.36	9.36	9.19
45.0	10.89	10.53	10.36	10.18	10.07	9.60	9.36	9.31	9.13
90.0	10.71	10.53	10.36	9.77	9.54	9.31	9.25	9.07	9.13
135.0	10.89	10.59	10.42	10.30	9.71	9.36	9.19	9.07	9.07
180.0	14.75	12.47	11.24	10.77	10.48	10.18	9.60	9.31	9.25
225.0	12.35	11.12	10.65	10.42	10.24	9.66	9.42	9.25	9.13
270.0	11.59	11.41	11.12	10.94	10.71	10.53	9.83	9.42	9.25
315.0	12.06	10.89	10.71	10.42	10.30	10.24	9.66	9.48	9.25
360.0	11.18	10.83	10.77	10.94	10.12	9.60	9.36	9.36	9.19

Intensity data(cd)

C/γ(°)	90.0
0.0	9.19
45.0	9.13
90.0	9.07
135.0	9.07
180.0	9.13
225.0	9.13
270.0	9.19
315.0	9.25
360.0	9.19