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NT

Client:
LumCAT: 2-2684-L
Luminaire: 92.70.412.00
Report No: 2024301-B016
Ballast type: AC

Test No: 2024301-C016	Voltage(V): 33.960
LampCAT: LUMINUS CXM-14-AC40	Current(A): 0.530
Lamp flux(lm): 2575.0	Power (W): 17.998
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2202.38, Efficiency(%): 85.53% , Luminous Efficacy(lm/W): 122.37
Central intensity(cd): 4920.192, Maximum intensity(cd): 4920.192
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.0
[C90/270]Total=36.0
Field angle(10%Imax): [C0/180]Total=66.2
[C90/270]Total=66.2
Maximum s/h(1/2): C0_180=0.58 C90_270=0.58
Maximum s/h(1/4): C0_180=0.60 C90_270=0.60
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.53%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.978%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4920.191	0.000	0	0.00%	0.00%
1.0	4907.024	4.702	4.702	0.18%	0.21%
2.0	4877.104	14.043	18.745	0.55%	0.85%
3.0	4821.508	23.196	41.941	0.90%	1.90%
4.0	4753.549	32.051	73.992	1.24%	3.36%
5.0	4669.788	40.539	114.531	1.57%	5.20%
6.0	4571.470	48.565	163.096	1.89%	7.41%
7.0	4446.598	55.975	219.071	2.17%	9.95%
8.0	4313.240	62.692	281.763	2.43%	12.79%
9.0	4160.130	68.672	350.435	2.67%	15.91%
10.0	3986.172	73.721	424.156	2.86%	19.26%
11.0	3808.630	77.886	502.043	3.02%	22.80%
12.0	3614.701	81.148	583.19	3.15%	26.48%
13.0	3428.745	83.588	666.778	3.25%	30.28%
14.0	3231.525	85.251	752.029	3.31%	34.15%
15.0	3034.011	86.016	838.045	3.34%	38.05%
16.0	2836.937	86.026	924.071	3.34%	41.96%
17.0	2642.057	85.323	1009.394	3.31%	45.83%
18.0	2460.344	84.128	1093.521	3.27%	49.65%
19.0	2275.194	82.389	1175.91	3.20%	53.39%
20.0	2073.145	79.587	1255.496	3.09%	57.01%
21.0	1890.847	76.117	1331.613	2.96%	60.46%
22.0	1729.837	72.759	1404.372	2.83%	63.77%
23.0	1545.184	68.719	1473.091	2.67%	66.89%
24.0	1416.391	64.751	1537.842	2.51%	69.83%
25.0	1295.403	61.660	1599.502	2.39%	72.63%
26.0	1183.479	58.514	1658.016	2.27%	75.28%
27.0	1095.688	55.760	1713.777	2.17%	77.81%
28.0	998.796	53.028	1766.805	2.06%	80.22%
29.0	902.622	49.746	1816.551	1.93%	82.48%
30.0	802.000	46.024	1862.575	1.79%	84.57%
31.0	692.307	41.584	1904.16	1.61%	86.46%
32.0	597.098	36.940	1941.1	1.43%	88.14%
33.0	501.048	32.352	1973.452	1.26%	89.61%
34.0	414.295	27.701	2001.153	1.08%	90.86%
35.0	336.365	23.313	2024.465	0.91%	91.92%
36.0	277.836	19.556	2044.022	0.76%	92.81%
37.0	212.612	15.996	2060.017	0.62%	93.54%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	161.778	12.497	2072.514	0.49%	94.10%
39.0	120.286	9.628	2082.141	0.37%	94.54%
40.0	82.290	7.065	2089.207	0.27%	94.86%
41.0	69.583	5.408	2094.615	0.21%	95.11%
42.0	62.685	4.806	2099.42	0.19%	95.33%
43.0	58.486	4.489	2103.909	0.17%	95.53%
44.0	54.192	4.253	2108.162	0.17%	95.72%
45.0	51.105	4.047	2112.208	0.16%	95.91%
46.0	48.303	3.888	2116.096	0.15%	96.08%
47.0	45.765	3.741	2119.837	0.15%	96.25%
48.0	43.416	3.605	2123.442	0.14%	96.42%
49.0	41.324	3.480	2126.922	0.14%	96.57%
50.0	39.203	3.357	2130.28	0.13%	96.73%
51.0	37.323	3.238	2133.517	0.13%	96.87%
52.0	35.574	3.128	2136.645	0.12%	97.02%
53.0	33.746	3.015	2139.661	0.12%	97.15%
54.0	32.114	2.903	2142.564	0.11%	97.28%
55.0	30.512	2.796	2145.359	0.11%	97.41%
56.0	29.078	2.693	2148.052	0.10%	97.53%
57.0	27.571	2.590	2150.642	0.10%	97.65%
58.0	26.277	2.490	2153.132	0.10%	97.76%
59.0	25.026	2.398	2155.531	0.09%	97.87%
60.0	23.870	2.310	2157.841	0.09%	97.98%
61.0	22.692	2.222	2160.063	0.09%	98.08%
62.0	21.690	2.139	2162.201	0.08%	98.18%
63.0	20.724	2.063	2164.264	0.08%	98.27%
64.0	19.861	1.992	2166.256	0.08%	98.36%
65.0	19.005	1.923	2168.179	0.07%	98.45%
66.0	18.215	1.857	2170.036	0.07%	98.53%
67.0	17.476	1.795	2171.831	0.07%	98.61%
68.0	16.803	1.736	2173.567	0.07%	98.69%
69.0	16.196	1.683	2175.251	0.07%	98.77%
70.0	15.618	1.634	2176.885	0.06%	98.84%
71.0	15.077	1.586	2178.471	0.06%	98.91%
72.0	14.609	1.544	2180.015	0.06%	98.98%
73.0	14.133	1.503	2181.518	0.06%	99.05%
74.0	13.724	1.464	2182.982	0.06%	99.12%
75.0	13.336	1.430	2184.412	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.977	1.397	2185.809	0.05%	99.25%
77.0	12.626	1.365	2187.174	0.05%	99.31%
78.0	12.326	1.336	2188.509	0.05%	99.37%
79.0	12.004	1.307	2189.817	0.05%	99.43%
80.0	11.668	1.276	2191.093	0.05%	99.49%
81.0	11.390	1.247	2192.34	0.05%	99.54%
82.0	11.075	1.218	2193.558	0.05%	99.60%
83.0	10.739	1.186	2194.744	0.05%	99.65%
84.0	10.468	1.155	2195.899	0.04%	99.71%
85.0	10.205	1.128	2197.028	0.04%	99.76%
86.0	10.000	1.104	2198.132	0.04%	99.81%
87.0	9.795	1.083	2199.215	0.04%	99.86%
88.0	9.620	1.064	2200.279	0.04%	99.90%
89.0	9.568	1.052	2201.331	0.04%	99.95%
90.0	9.495	1.045	2202.376	0.04%	100.00%

Zonal flux distribution table

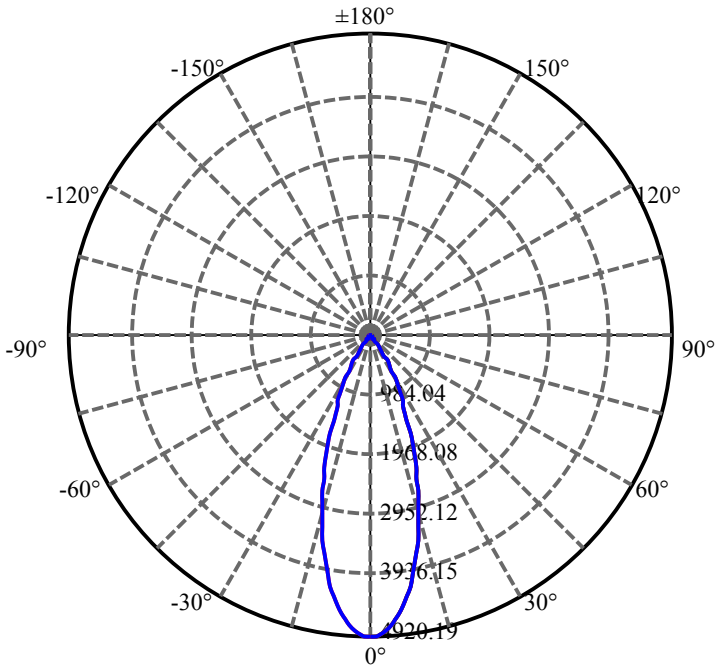
ZONAL LUMEN SUMMARY

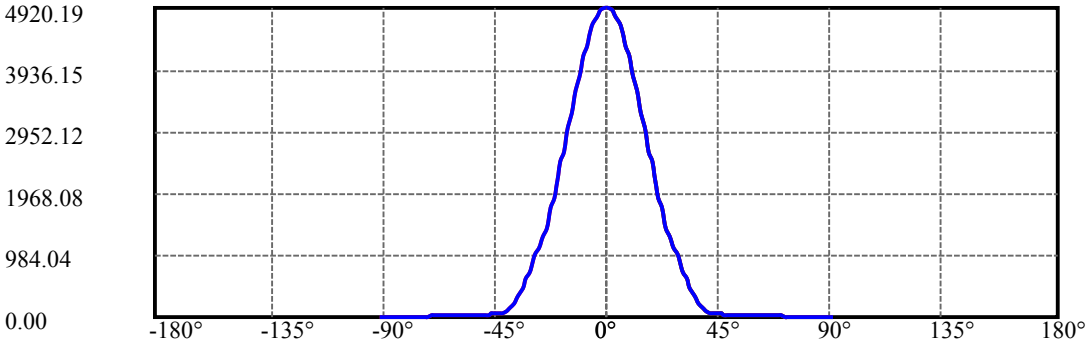
Zone	Lumens	%Lamp	%Fixt
0-30	1862.58	72.33%	84.57%
0-40	2089.21	81.13%	94.86%
0-60	2157.84	83.80%	97.98%
0-90	2201.33	85.49%	99.95%
0-120	2201.33	85.49%	99.95%
0-180	2202.38	85.53%	100.00%
60-90	43.49	1.69%	1.97%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.91	1761.90	68.42%	80.00%

ZONAL LUMEN SUMMARY

0-10	424.16
10-20	831.34
20-30	607.08
30-40	226.63
40-50	41.07
50-60	27.56
60-70	19.04
70-80	14.21
80-90	10.24
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):

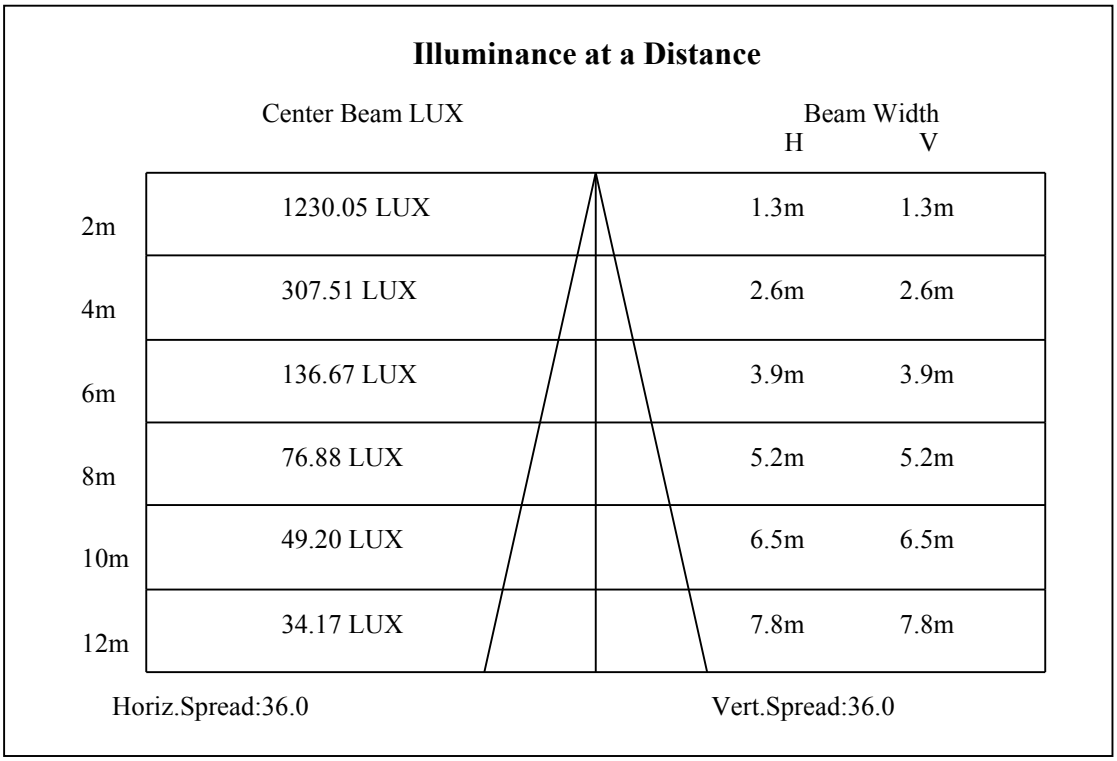
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:33.1 Right:33.1
:C90/270Left:33.1 Right:33.1

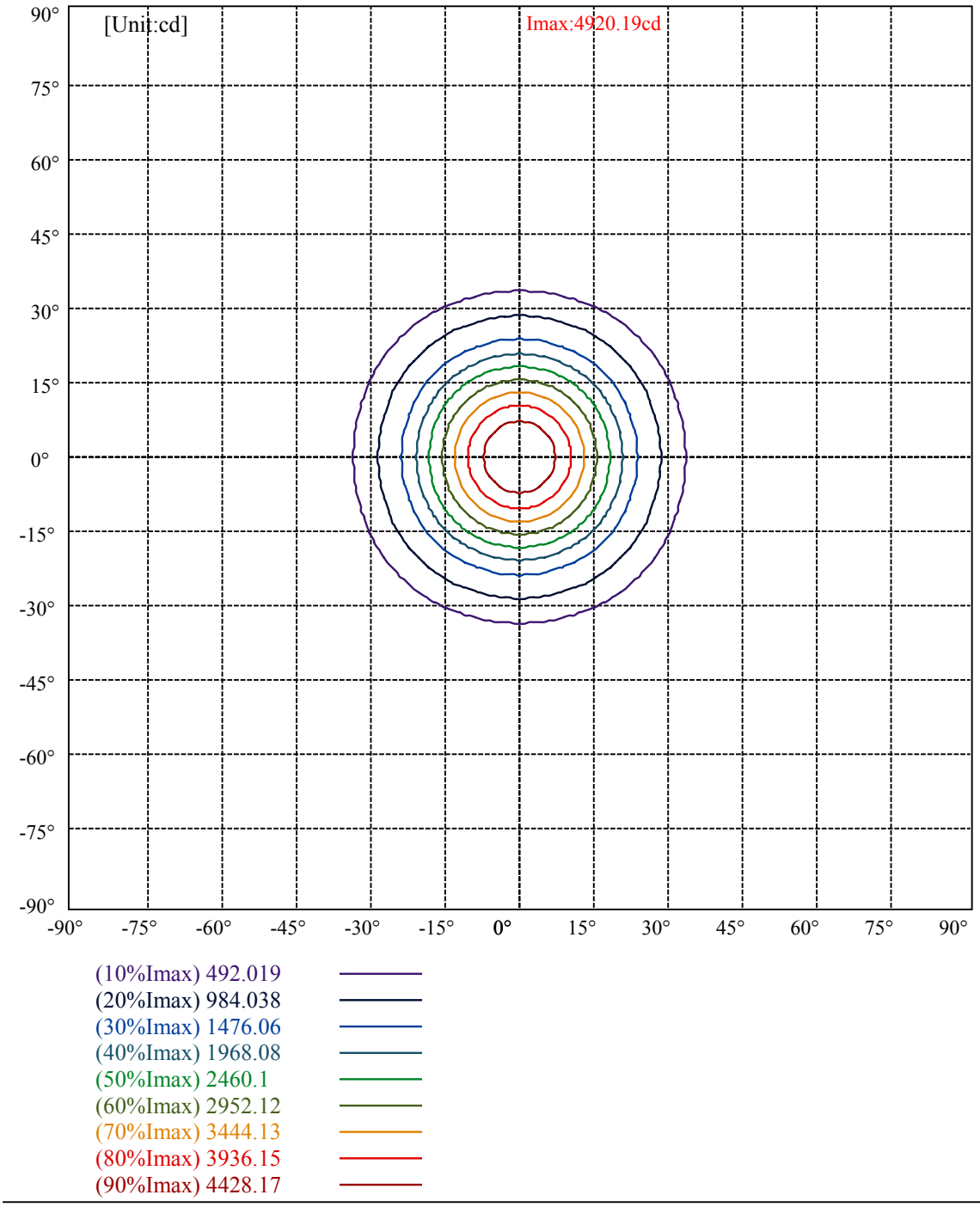
Beam Angle(50%Imax):C0/180Left:18.0 Right:18.0
:C90/270Left:18.0 Right:18.0

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

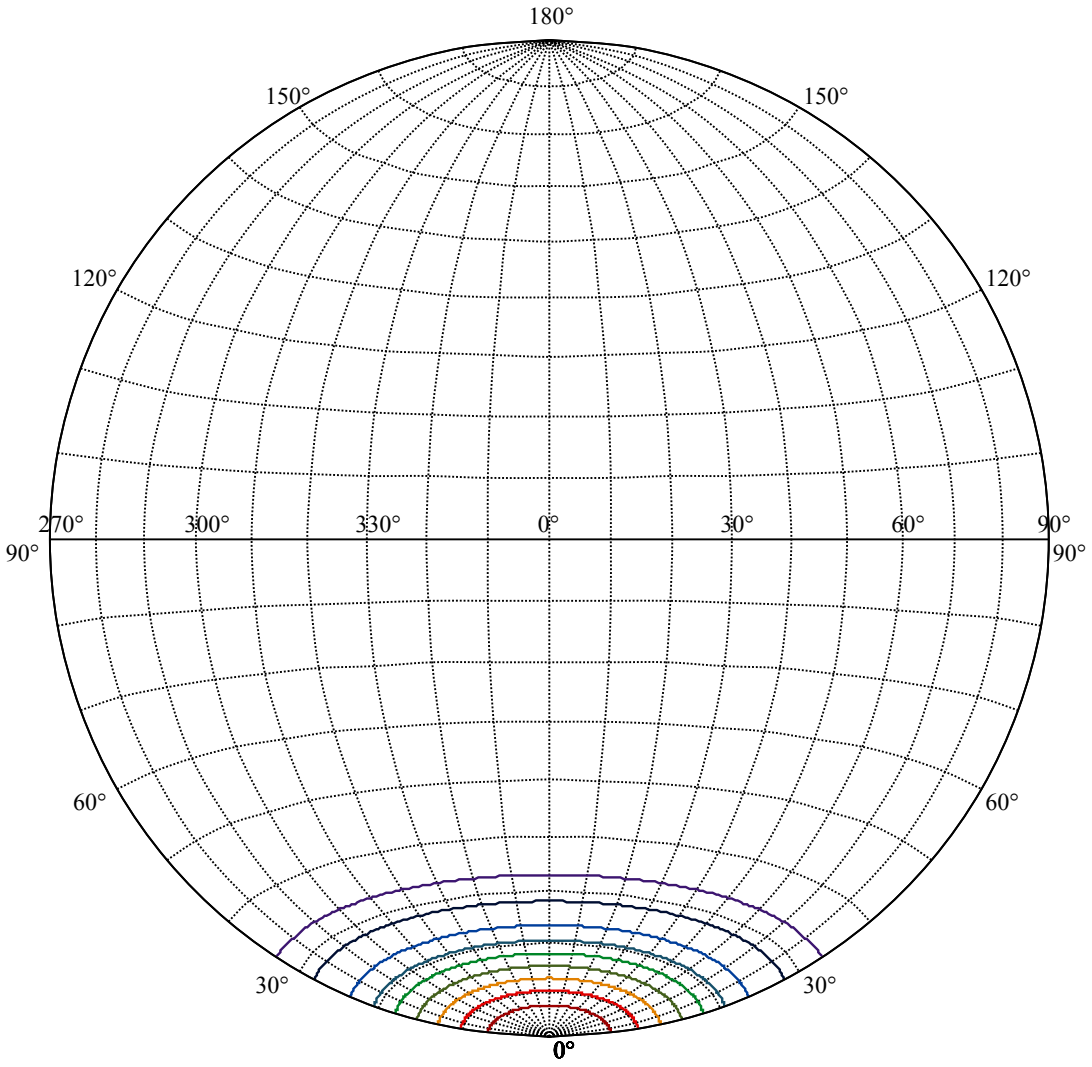


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/01
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



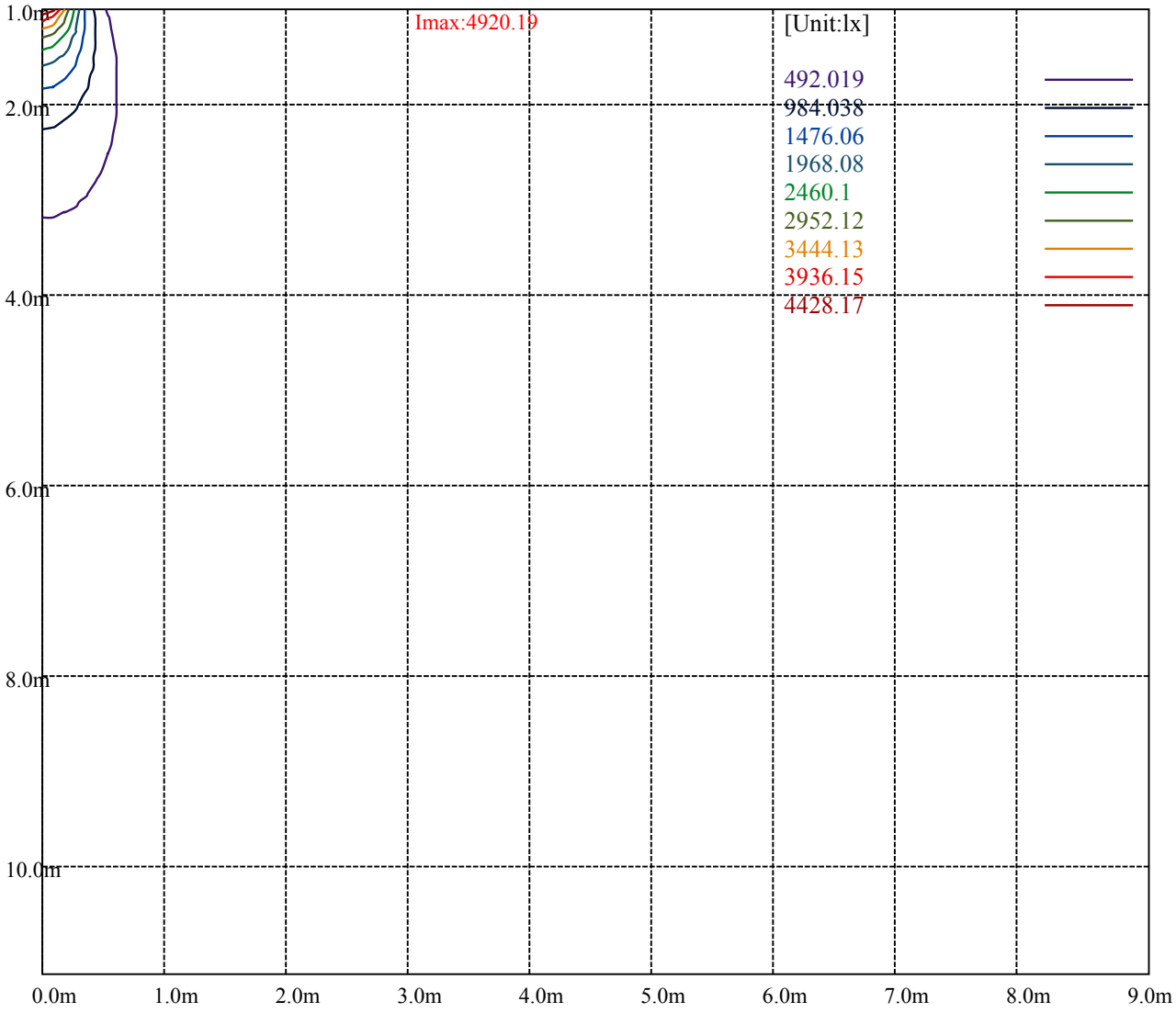
House [Unit:cd] Road

Imax:4920.19

(10%Imax) 492.019
(20%Imax) 984.038
(30%Imax) 1476.06
(40%Imax) 1968.08
(50%Imax) 2460.1
(60%Imax) 2952.12
(70%Imax) 3444.13
(80%Imax) 3936.15
(90%Imax) 4428.17

Equipment: GMS1980 Date: 2024/3/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/01
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2684-L

Luminance Limitting Curve(no luminous side)

Luminance Table

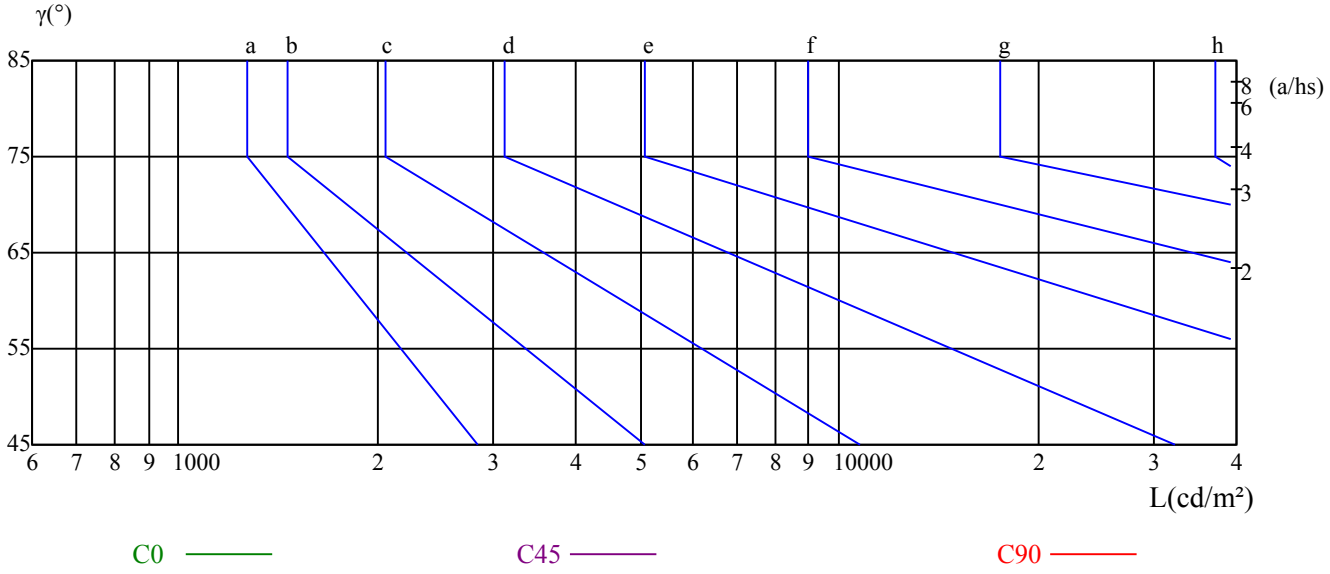
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

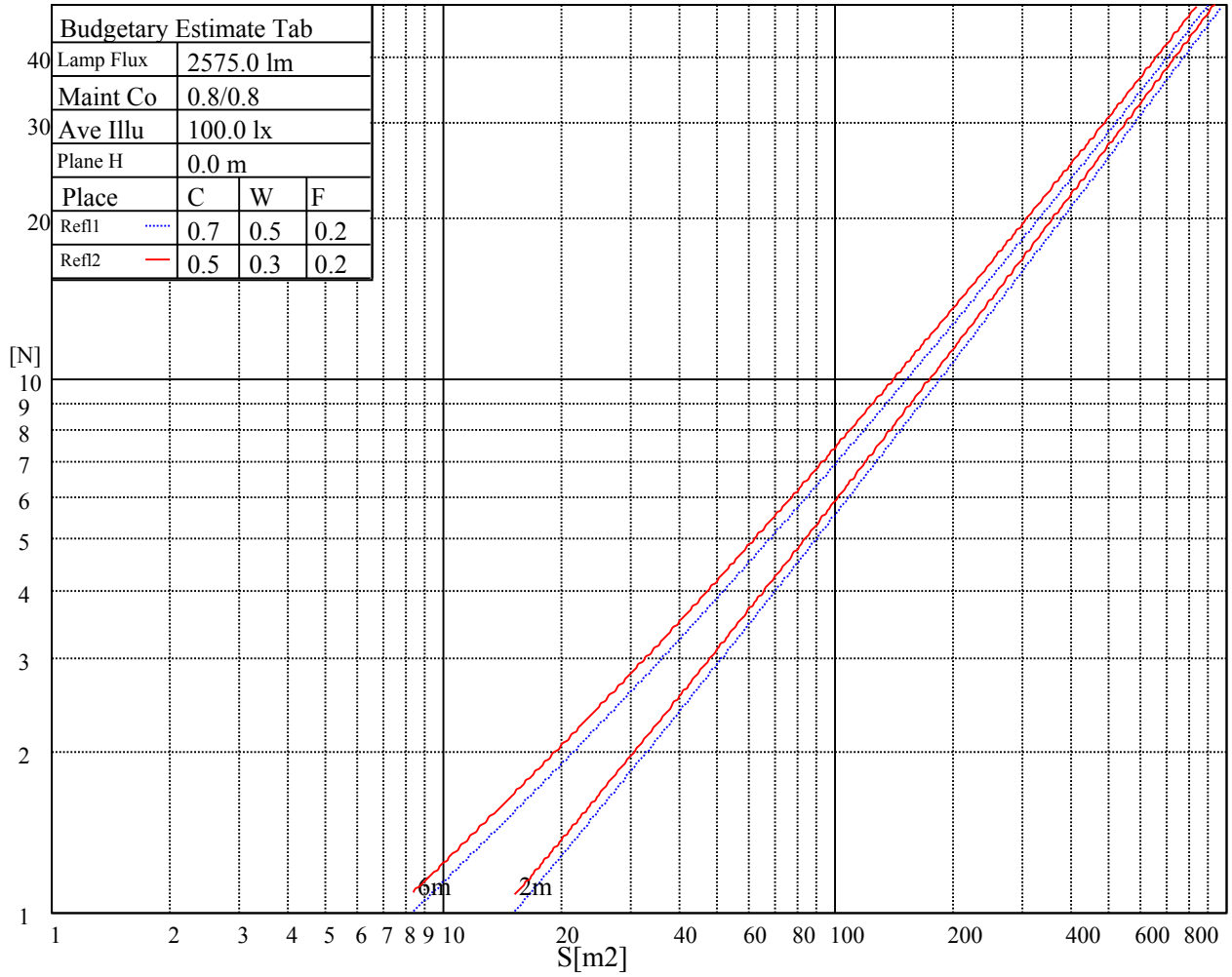
Luminance Limitting Curve



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

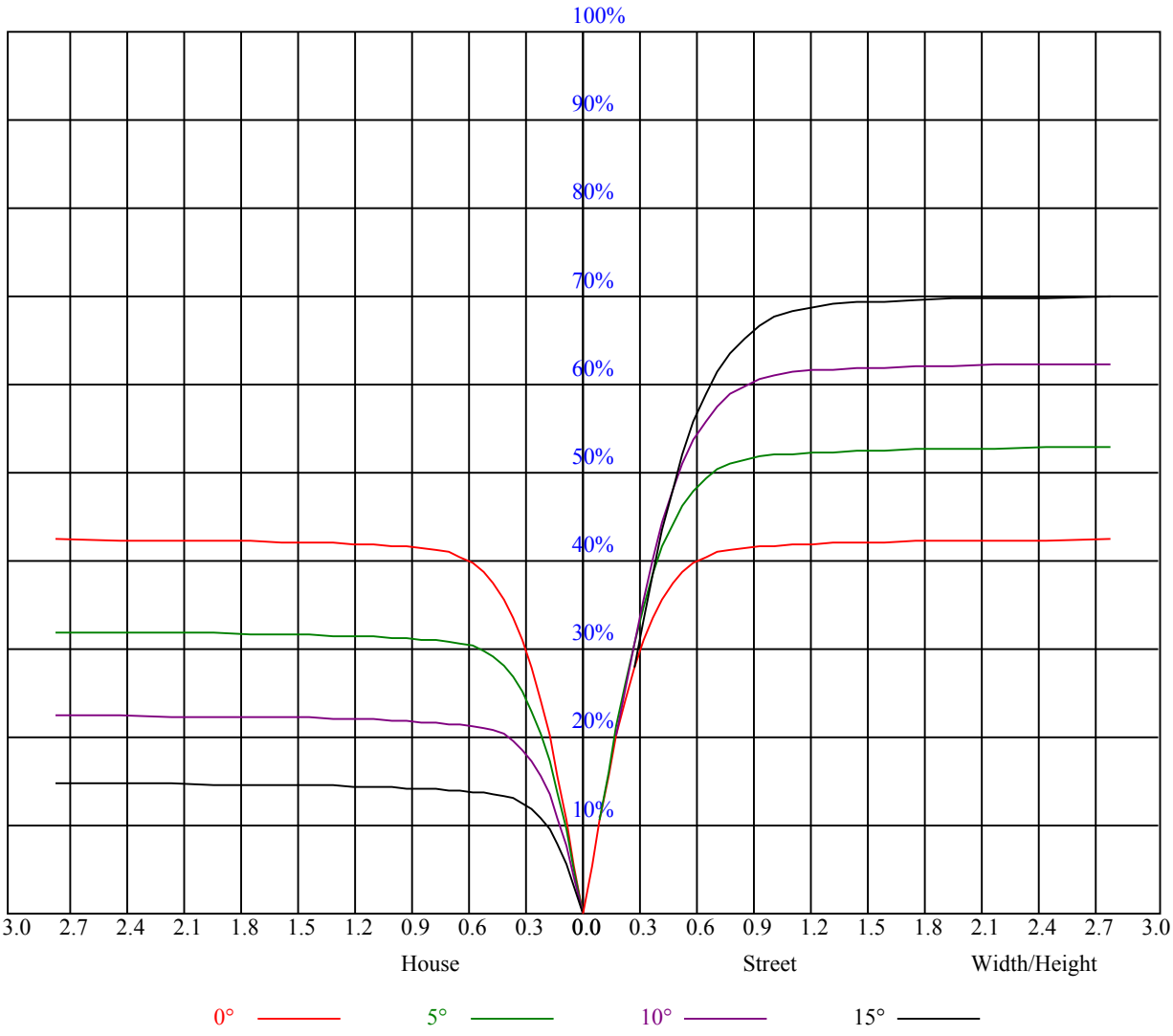


Equipment: GMS1980	Date: 2024/3/01	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

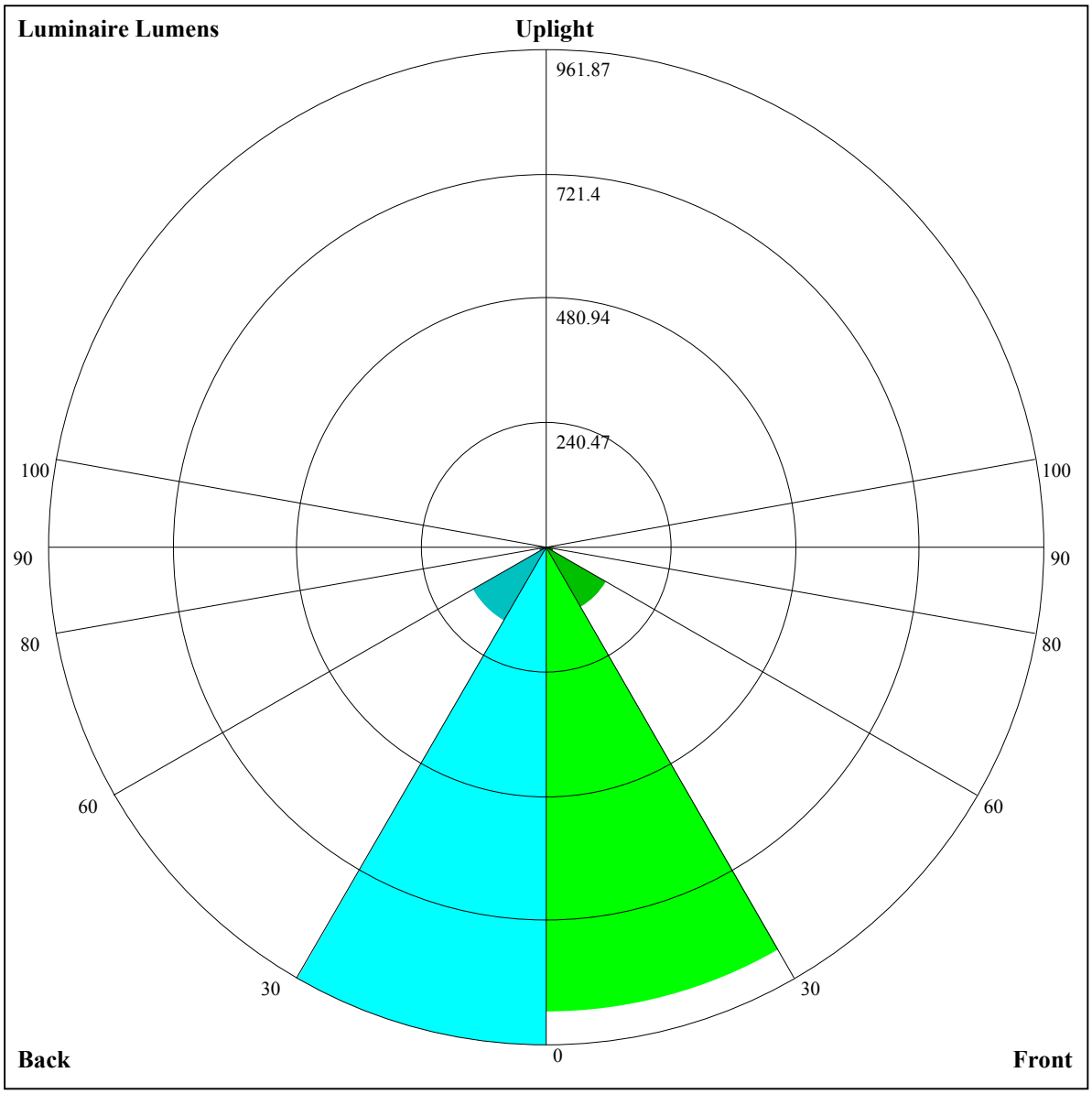
Utilization factor table for indoor luminaire

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	1.02	1.02	1.02	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.86
1	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.77	0.76
3	0.84	0.80	0.77	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.76	0.74	0.77	0.75	0.73	0.72
4	0.80	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.70	0.74	0.71	0.69	0.68
5	0.76	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
7	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
8	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.56
9	0.63	0.58	0.56	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/01	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=899.04,FM=133.59,FH=16.33,FVH=5.6
BL=961.87,BM=164.2,BH=16.97,BVH=5.69
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	4894.88	4835.19	4771.98	4697.07	4576.52	4466.50	4339.50	4197.88	4043.96
45.0	4925.31	4904.83	4865.62	4790.13	4716.39	4627.43	4523.85	4373.44	4233.58
90.0	4918.87	4873.23	4821.14	4733.36	4646.75	4550.18	4405.05	4265.76	4114.19
135.0	4941.70	4928.24	4896.64	4839.87	4777.25	4697.07	4602.85	4468.84	4341.84
180.0	4894.88	4921.22	4930.58	4910.68	4876.15	4810.02	4745.06	4664.30	4564.81
225.0	4925.31	4927.65	4904.83	4855.67	4796.56	4724.58	4640.31	4512.73	4391.59
270.0	4918.87	4935.26	4932.92	4900.73	4855.67	4797.15	4723.99	4611.63	4500.44
315.0	4941.70	4930.58	4893.12	4844.55	4783.10	4685.37	4591.15	4478.20	4315.51
360.0	4894.88	4835.19	4771.98	4697.07	4576.52	4466.50	4339.50	4197.88	4043.96

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3830.94	3650.11	3468.69	3283.76	3059.61	2885.22	2665.76	2491.36	2316.96
45.0	4084.34	3920.48	3704.53	3522.53	3337.01	3107.60	2927.94	2706.72	2529.99
90.0	3947.40	3725.60	3544.77	3355.15	3169.64	2946.08	2765.25	2584.41	2367.88
135.0	4193.20	3990.12	3813.38	3587.49	3398.46	3213.53	3029.77	2801.53	2623.04
180.0	4422.02	4290.34	4144.04	3940.96	3769.49	3589.83	3406.65	3177.25	2992.90
225.0	4256.99	4108.34	3905.85	3731.45	3554.72	3375.05	3146.23	2963.64	2739.50
270.0	4376.96	4239.43	4094.88	3884.78	3708.63	3488.00	3308.34	3124.57	2896.34
315.0	4169.20	3964.96	3792.90	3611.48	3432.40	3246.89	3022.16	2846.01	2669.85
360.0	3830.94	3650.11	3468.69	3283.76	3059.61	2885.22	2665.76	2491.36	2316.96

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2098.09	1926.62	1762.76	1573.14	1431.52	1151.08	1151.08	1087.41	996.46
45.0	2360.27	2187.04	1972.85	1808.99	1655.07	1510.52	1349.00	1234.88	1139.49
90.0	2194.07	2024.35	1818.94	1663.85	1488.87	1287.55	1160.21	1160.21	1076.11
135.0	2446.88	2271.90	2061.22	1897.36	1744.03	1564.95	1437.96	1326.18	1202.70
180.0	2806.80	2589.09	2400.65	2181.19	2010.31	1847.61	1694.28	1553.83	1399.33
225.0	2564.51	2382.51	2162.46	1989.24	1828.30	1636.35	1498.82	1374.75	1151.25
270.0	2720.18	2552.81	2315.21	2136.13	1962.32	1796.70	1642.20	1467.80	1344.32
315.0	2491.95	2267.22	2091.07	1876.88	1718.28	1566.71	1397.58	1158.16	1158.16
360.0	2098.09	1926.62	1762.76	1573.14	1431.52	1151.08	1151.08	1087.41	996.46

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	899.02	802.23	681.90	589.20	480.35	398.54	322.75	236.49	175.74
45.0	1032.98	938.17	841.03	722.81	628.59	539.64	432.54	354.70	300.86
90.0	958.13	861.80	766.29	671.72	557.13	471.57	391.28	298.41	232.69
135.0	1117.25	1007.82	911.84	814.69	715.79	620.40	509.20	424.93	347.10
180.0	1295.16	1202.11	1116.67	1010.16	919.45	795.96	698.82	603.43	515.64
225.0	1151.25	1070.79	979.84	880.71	757.40	661.13	570.30	483.04	381.86
270.0	1238.98	1127.20	1042.34	946.37	822.88	724.57	605.18	515.64	432.54
315.0	1072.72	980.25	881.06	780.34	656.86	564.98	478.30	397.72	304.49
360.0	899.02	802.23	681.90	589.20	480.35	398.54	322.75	236.49	175.74

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	125.18	89.31	70.81	63.79	59.28	55.89	51.97	49.45	46.99
45.0	300.86	144.08	102.41	76.78	64.43	59.69	56.01	52.79	49.33
90.0	175.16	117.69	86.09	71.87	66.54	61.74	57.29	53.72	50.21
135.0	310.81	310.81	139.52	99.78	78.60	70.29	65.31	59.40	55.30
180.0	412.64	336.56	300.28	300.28	132.90	96.50	75.55	69.64	64.20
225.0	307.24	225.25	167.37	119.68	81.99	73.21	68.30	63.85	56.42
270.0	353.53	299.11	299.11	145.72	104.81	74.56	67.77	63.09	59.05
315.0	237.25	178.08	128.63	84.39	69.76	64.78	59.28	55.95	52.03
360.0	125.18	89.31	70.81	63.79	59.28	55.89	51.97	49.45	46.99

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	44.83	42.37	40.50	38.27	36.64	35.05	33.18	31.72	30.37
45.0	47.05	45.00	42.49	40.56	38.74	36.58	35.00	33.59	31.78
90.0	47.64	45.35	42.78	40.67	38.74	36.58	34.88	33.30	31.37
135.0	52.44	49.16	46.70	44.48	42.25	39.74	37.86	36.17	34.12
180.0	59.52	54.95	51.91	49.22	46.23	44.01	41.84	39.80	37.40
225.0	53.55	50.97	48.52	45.76	43.66	41.61	39.27	37.40	35.70
270.0	54.31	51.50	48.34	46.00	43.89	41.43	39.56	37.75	35.93
315.0	49.51	47.11	44.89	42.37	40.44	38.62	36.99	34.88	33.30
360.0	44.83	42.37	40.50	38.27	36.64	35.05	33.18	31.72	30.37

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.03	27.45	26.16	25.05	23.94	22.65	21.77	20.89	19.78
45.0	30.37	29.03	27.86	26.28	25.05	24.05	22.94	21.77	20.89
90.0	29.96	28.56	26.92	25.69	24.52	23.41	22.18	21.30	20.42
135.0	32.48	30.90	29.50	27.68	26.34	25.22	23.88	22.71	21.59
180.0	35.58	33.59	31.95	30.43	29.03	27.39	26.10	24.93	23.82
225.0	33.71	32.07	30.61	28.85	27.51	26.22	25.05	23.58	22.59
270.0	33.94	32.42	30.90	29.20	27.92	26.57	25.40	24.05	22.94
315.0	31.84	30.08	28.73	27.39	25.93	24.70	23.64	22.30	21.48
360.0	29.03	27.45	26.16	25.05	23.94	22.65	21.77	20.89	19.78

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.08	18.43	17.56	16.91	16.27	15.68	15.10	14.69	14.22
45.0	19.96	19.08	18.38	17.50	16.85	16.33	15.68	15.10	14.69
90.0	19.55	18.73	18.02	17.26	16.56	16.04	15.39	14.86	14.46
135.0	20.66	19.84	19.08	18.26	17.50	16.85	16.33	15.63	15.10
180.0	22.47	21.54	20.60	19.55	18.84	17.97	17.21	16.62	15.98
225.0	21.65	20.72	19.61	18.96	18.02	17.32	16.74	16.04	15.51
270.0	21.89	20.83	19.96	19.20	18.32	17.62	16.97	16.44	15.74
315.0	20.54	19.72	18.84	18.08	17.44	16.62	16.15	15.57	14.92
360.0	19.08	18.43	17.56	16.91	16.27	15.68	15.10	14.69	14.22

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.81	13.40	13.11	12.82	12.47	12.23	11.94	11.59	11.24
45.0	14.28	13.81	13.40	13.11	12.82	12.41	12.17	11.88	11.59
90.0	13.99	13.58	13.23	12.87	12.52	12.29	12.00	11.70	11.35
135.0	14.63	14.10	13.69	13.34	12.93	12.58	12.29	11.94	11.59
180.0	15.45	14.92	14.46	13.93	13.52	13.11	12.82	12.47	12.06
225.0	14.98	14.40	13.99	13.58	13.23	12.76	12.41	12.11	11.82
270.0	15.22	14.75	14.28	13.81	13.40	13.05	12.70	12.35	12.00
315.0	14.51	14.10	13.64	13.23	12.93	12.58	12.29	12.00	11.70
360.0	13.81	13.40	13.11	12.82	12.47	12.23	11.94	11.59	11.24

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.00	10.59	10.24	10.07	9.89	9.71	9.54	9.42	9.48
45.0	11.35	11.06	10.59	10.30	10.07	9.83	9.71	9.54	9.42
90.0	11.12	10.83	10.42	10.12	10.01	9.77	9.66	9.48	9.42
135.0	11.35	11.06	10.83	10.36	10.18	10.01	9.71	9.66	9.42
180.0	11.82	11.47	11.12	10.89	10.59	10.30	10.07	9.83	9.71
225.0	11.47	11.12	10.89	10.71	10.36	10.12	9.89	9.66	9.89
270.0	11.70	11.35	11.00	10.89	10.48	10.24	10.01	9.77	9.66
315.0	11.29	11.12	10.83	10.42	10.07	10.01	9.77	9.60	9.54
360.0	11.00	10.59	10.24	10.07	9.89	9.71	9.54	9.42	9.48

Intensity data(cd)

C/γ(°)	90.0
0.0	9.42
45.0	9.48
90.0	9.48
135.0	9.48
180.0	9.77
225.0	9.42
270.0	9.54
315.0	9.36
360.0	9.42