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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 2-2684-L
Luminaire: 92.70.411.00
Report No: 2024402-B015
Ballast type: AC

Test No: 2024402-C015	Voltage(V): 35.160
LampCAT: LUMILEDS LUXEON 1205	Current(A): 0.485
Lamp flux(lm): 2202.0	Power (W): 17.052
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1889.37, Efficiency(%): 85.80% , Luminous Efficacy(lm/W): 110.80
Central intensity(cd): 4719.752, Maximum intensity(cd): 4719.752
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=32.4
[C90/270]Total=32.4
Field angle(10%Imax): [C0/180]Total=63.2
[C90/270]Total=63.2
Maximum s/h(1/2): C0_180=0.53 C90_270=0.53
Maximum s/h(1/4): C0_180=0.56 C90_270=0.56
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.80%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.992%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4719.752	0.000	0	0.00%	0.00%
1.0	4701.025	4.508	4.508	0.20%	0.24%
2.0	4649.013	13.420	17.928	0.61%	0.95%
3.0	4562.180	22.030	39.958	1.00%	2.11%
4.0	4465.618	30.219	70.177	1.37%	3.71%
5.0	4367.958	38.002	108.178	1.73%	5.73%
6.0	4241.623	45.246	153.424	2.05%	8.12%
7.0	4103.144	51.796	205.22	2.35%	10.86%
8.0	3952.888	57.655	262.875	2.62%	13.91%
9.0	3791.951	62.768	325.643	2.85%	17.24%
10.0	3622.236	67.096	392.739	3.05%	20.79%
11.0	3438.841	70.555	463.293	3.20%	24.52%
12.0	3236.060	72.966	536.26	3.31%	28.38%
13.0	3032.475	74.392	610.651	3.38%	32.32%
14.0	2799.629	74.650	685.302	3.39%	36.27%
15.0	2598.896	74.113	759.415	3.37%	40.19%
16.0	2404.090	73.308	832.723	3.33%	44.07%
17.0	2197.432	71.658	904.381	3.25%	47.87%
18.0	2014.476	69.445	973.826	3.15%	51.54%
19.0	1864.220	67.481	1041.308	3.06%	55.11%
20.0	1709.135	65.402	1106.71	2.97%	58.58%
21.0	1564.950	62.869	1169.579	2.86%	61.90%
22.0	1438.008	60.346	1229.925	2.74%	65.10%
23.0	1281.277	57.058	1286.983	2.59%	68.12%
24.0	1191.599	54.066	1341.048	2.46%	70.98%
25.0	1106.631	52.257	1393.305	2.37%	73.74%
26.0	1007.743	49.910	1443.215	2.27%	76.39%
27.0	907.560	46.858	1490.074	2.13%	78.87%
28.0	808.627	43.450	1533.524	1.97%	81.17%
29.0	713.119	39.813	1573.337	1.81%	83.27%
30.0	612.994	35.805	1609.142	1.63%	85.17%
31.0	518.926	31.500	1640.641	1.43%	86.84%
32.0	434.698	27.320	1667.962	1.24%	88.28%
33.0	362.225	23.478	1691.439	1.07%	89.52%
34.0	304.800	20.186	1711.625	0.92%	90.59%
35.0	273.607	17.963	1729.589	0.82%	91.54%
36.0	222.407	15.793	1745.382	0.72%	92.38%
37.0	185.502	13.304	1758.685	0.60%	93.08%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	147.630	11.120	1769.805	0.50%	93.67%
39.0	122.853	9.232	1779.037	0.42%	94.16%
40.0	103.000	7.877	1786.914	0.36%	94.58%
41.0	87.045	6.767	1793.682	0.31%	94.94%
42.0	73.512	5.833	1799.515	0.26%	95.24%
43.0	63.336	5.069	1804.584	0.23%	95.51%
44.0	55.092	4.470	1809.054	0.20%	95.75%
45.0	48.844	3.994	1813.048	0.18%	95.96%
46.0	44.111	3.635	1816.684	0.17%	96.15%
47.0	40.117	3.350	1820.034	0.15%	96.33%
48.0	37.242	3.127	1823.161	0.14%	96.50%
49.0	34.755	2.957	1826.118	0.13%	96.65%
50.0	32.487	2.804	1828.921	0.13%	96.80%
51.0	30.658	2.672	1831.593	0.12%	96.94%
52.0	29.078	2.563	1834.156	0.12%	97.08%
53.0	27.440	2.459	1836.615	0.11%	97.21%
54.0	26.094	2.360	1838.974	0.11%	97.33%
55.0	24.777	2.271	1841.245	0.10%	97.45%
56.0	23.599	2.186	1843.431	0.10%	97.57%
57.0	22.517	2.109	1845.539	0.10%	97.68%
58.0	21.463	2.034	1847.573	0.09%	97.79%
59.0	20.512	1.962	1849.536	0.09%	97.89%
60.0	19.656	1.898	1851.433	0.09%	97.99%
61.0	18.771	1.834	1853.267	0.08%	98.09%
62.0	18.062	1.775	1855.042	0.08%	98.18%
63.0	17.308	1.720	1856.762	0.08%	98.27%
64.0	16.576	1.663	1858.425	0.08%	98.36%
65.0	15.969	1.611	1860.035	0.07%	98.45%
66.0	15.428	1.567	1861.602	0.07%	98.53%
67.0	14.835	1.522	1863.124	0.07%	98.61%
68.0	14.331	1.477	1864.601	0.07%	98.69%
69.0	13.855	1.438	1866.039	0.07%	98.77%
70.0	13.431	1.401	1867.44	0.06%	98.84%
71.0	13.014	1.367	1868.807	0.06%	98.91%
72.0	12.575	1.331	1870.138	0.06%	98.98%
73.0	12.202	1.296	1871.433	0.06%	99.05%
74.0	11.887	1.266	1872.7	0.06%	99.12%
75.0	11.544	1.238	1873.938	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.244	1.210	1875.148	0.05%	99.25%
77.0	10.922	1.182	1876.329	0.05%	99.31%
78.0	10.666	1.156	1877.485	0.05%	99.37%
79.0	10.388	1.131	1878.616	0.05%	99.43%
80.0	10.081	1.103	1879.72	0.05%	99.49%
81.0	9.839	1.077	1880.797	0.05%	99.55%
82.0	9.561	1.052	1881.849	0.05%	99.60%
83.0	9.188	1.019	1882.868	0.05%	99.66%
84.0	8.917	0.986	1883.854	0.04%	99.71%
85.0	8.720	0.963	1884.817	0.04%	99.76%
86.0	8.530	0.943	1885.76	0.04%	99.81%
87.0	8.369	0.925	1886.685	0.04%	99.86%
88.0	8.222	0.909	1887.594	0.04%	99.91%
89.0	8.091	0.894	1888.488	0.04%	99.95%
90.0	8.040	0.884	1889.372	0.04%	100.00%

Zonal flux distribution table

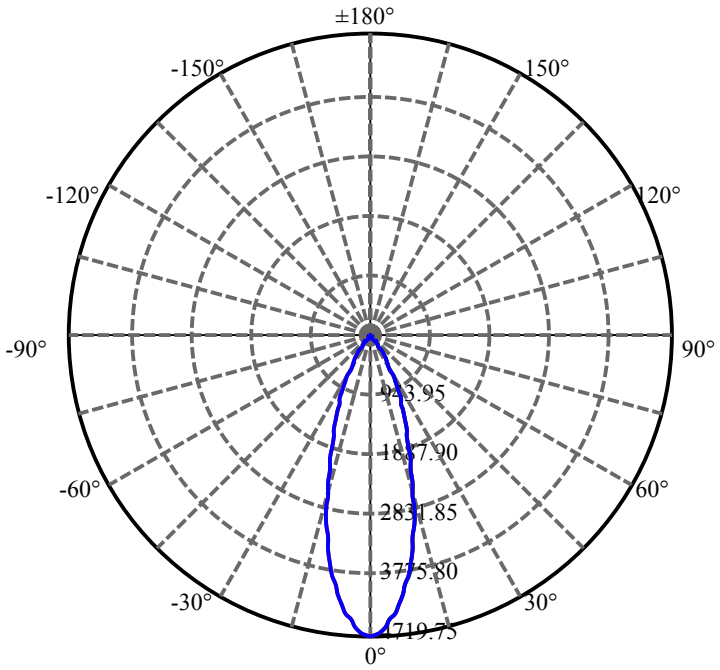
ZONAL LUMEN SUMMARY

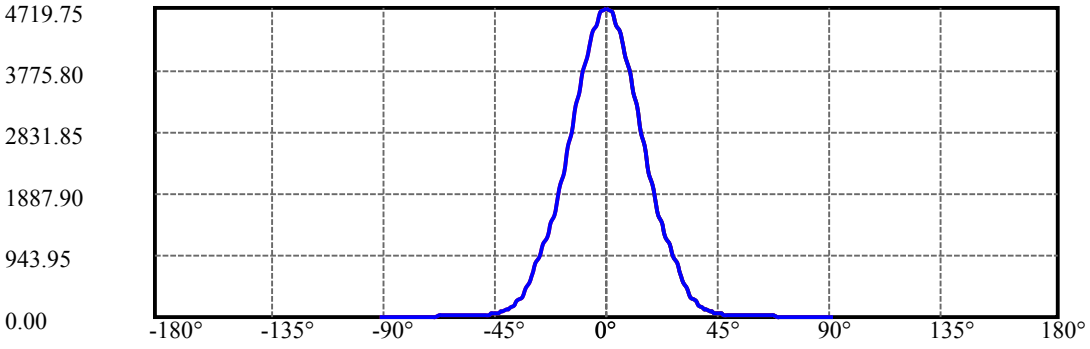
Zone	Lumens	%Lamp	%Fixt
0-30	1609.14	73.08%	85.17%
0-40	1786.91	81.15%	94.58%
0-60	1851.43	84.08%	97.99%
0-90	1888.49	85.76%	99.95%
0-120	1888.49	85.76%	99.95%
0-180	1889.37	85.80%	100.00%
60-90	37.05	1.68%	1.96%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.49	1511.50	68.64%	80.00%

ZONAL LUMEN SUMMARY

0-10	392.74
10-20	713.97
20-30	502.43
30-40	177.77
40-50	42.01
50-60	22.51
60-70	16.01
70-80	12.28
80-90	8.77
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):

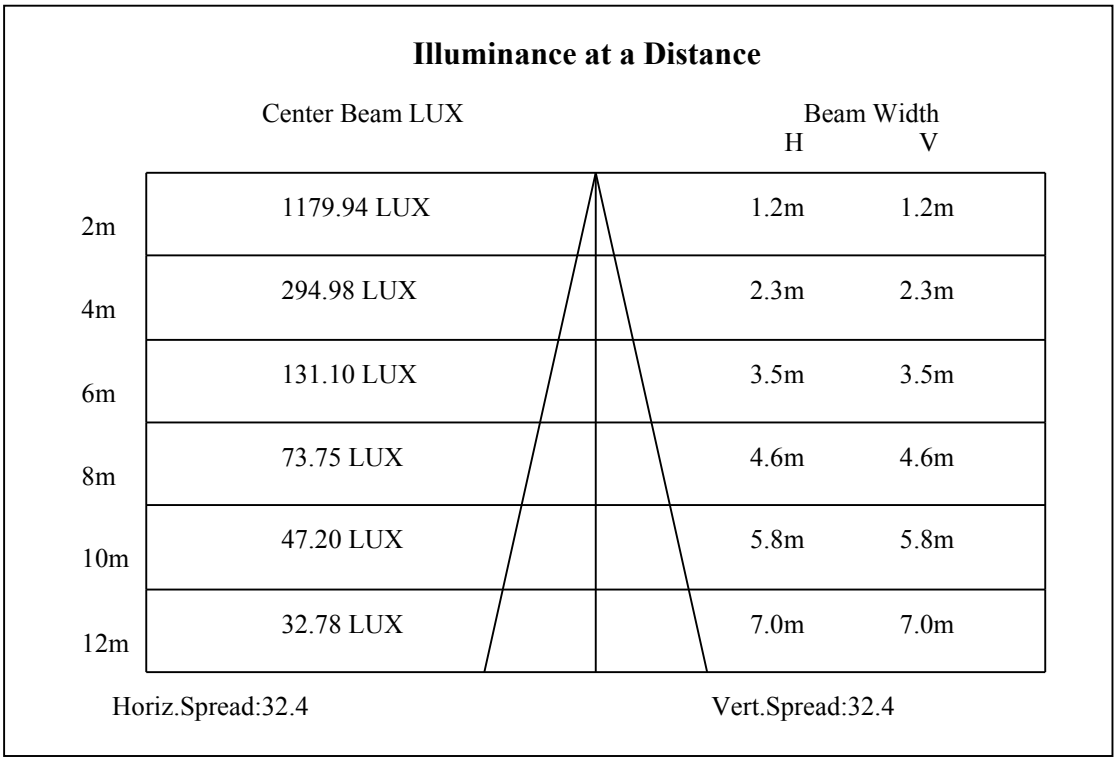
C0/C180:

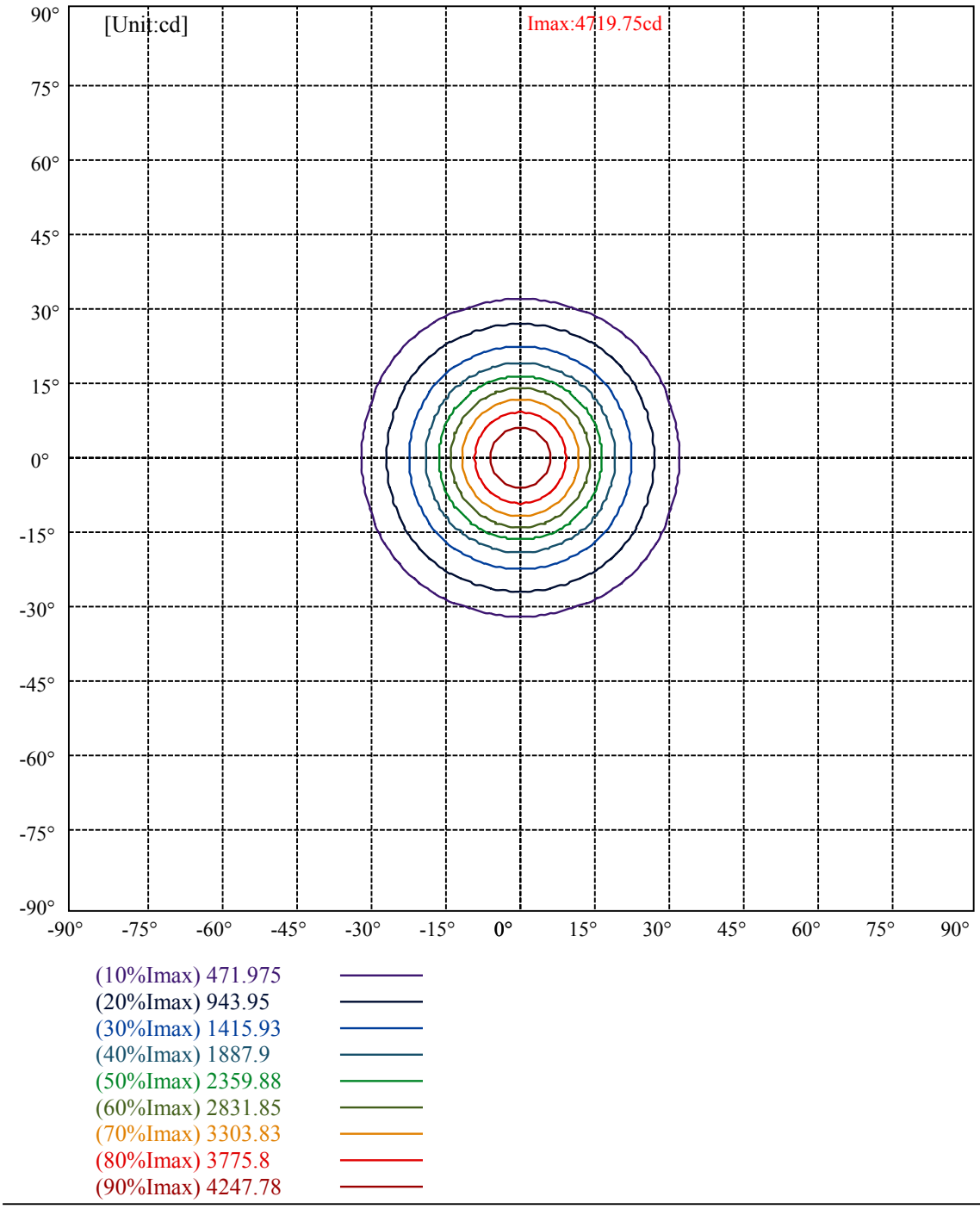
C90/C270:

Field angle(10%Imax):C0/180Left:31.6 Right:31.6
:C90/270Left:31.6 Right:31.6

Beam Angle(50%Imax):C0/180Left:16.2 Right:16.2
:C90/270Left:16.2 Right:16.2

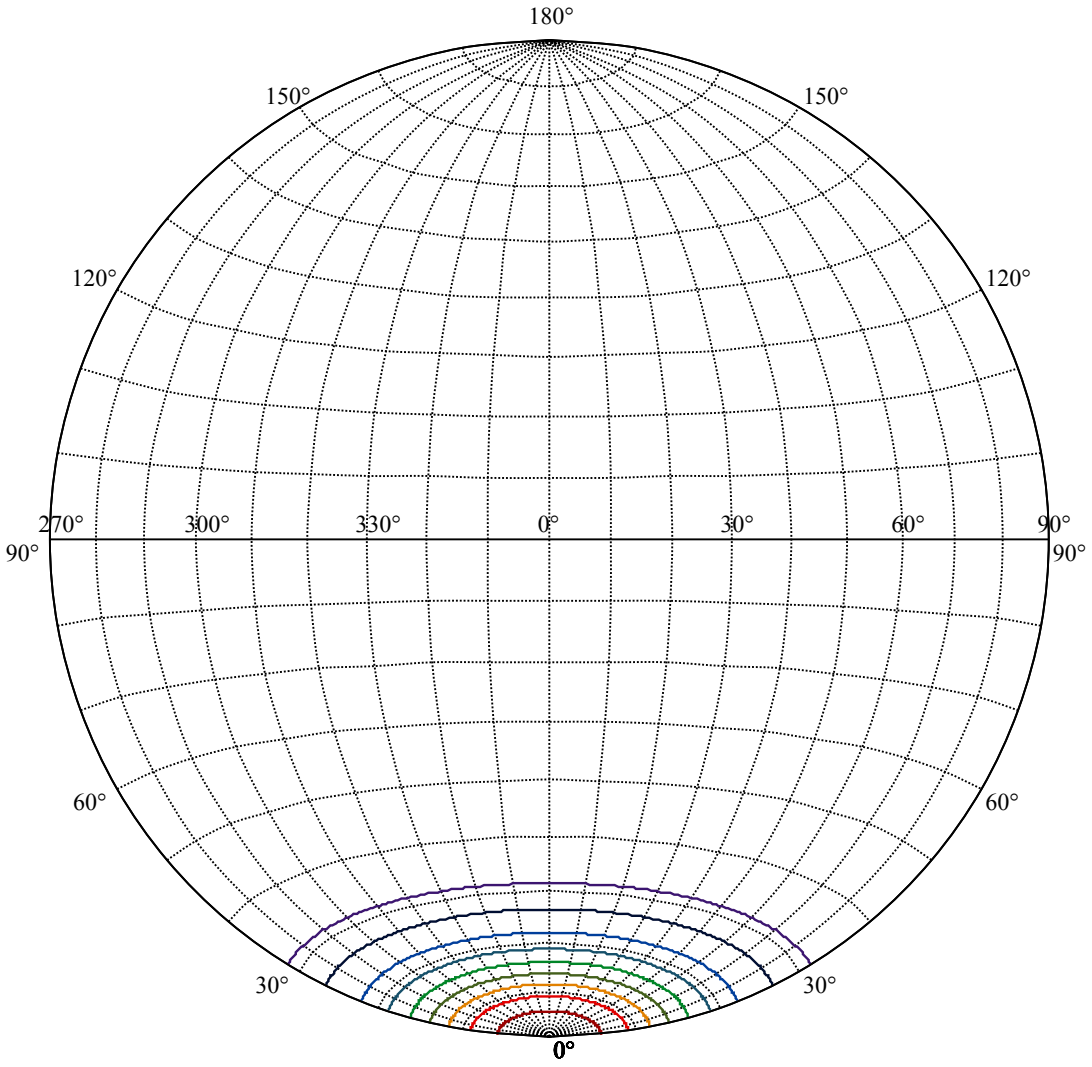
Lux distance Curve





Equipment: GMS1980
Temperature(°C): 25.0
Date: 2024/4/02
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



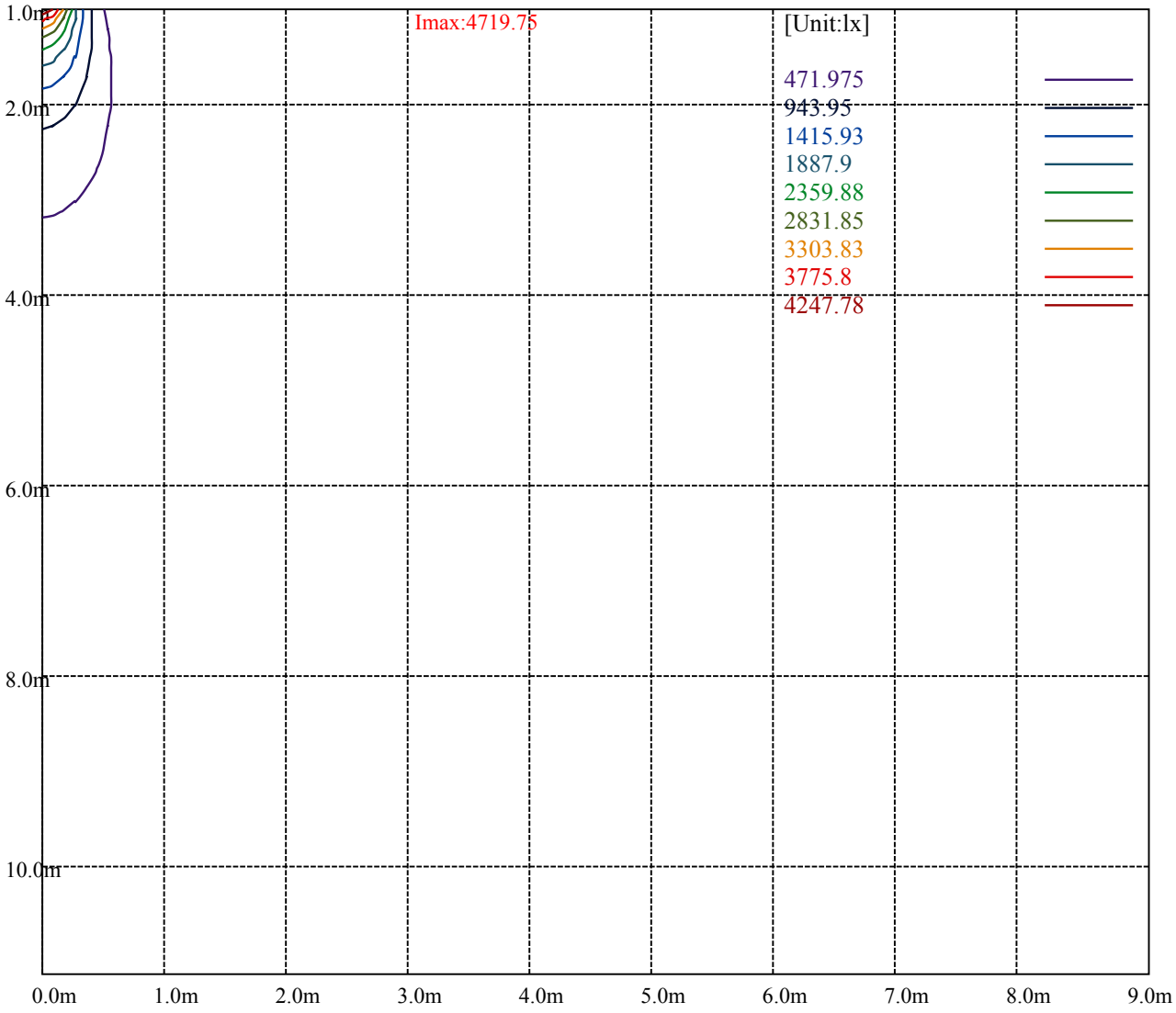
House [Unit:cd] Road

Imax:4719.75

(10%Imax) 471.975
(20%Imax) 943.95
(30%Imax) 1415.93
(40%Imax) 1887.9
(50%Imax) 2359.88
(60%Imax) 2831.85
(70%Imax) 3303.83
(80%Imax) 3775.8
(90%Imax) 4247.78

Equipment: GMS1980	Date: 2024/4/02	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/02
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2684-L

Luminance Limitting Curve(no luminous side)

Luminance Table

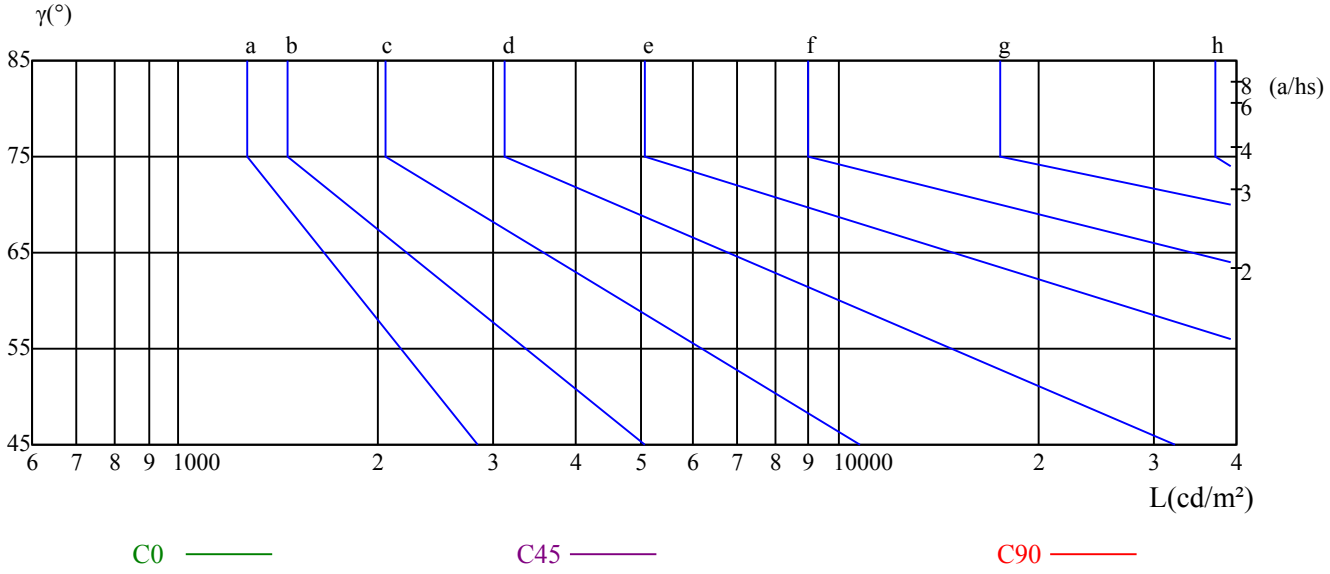
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

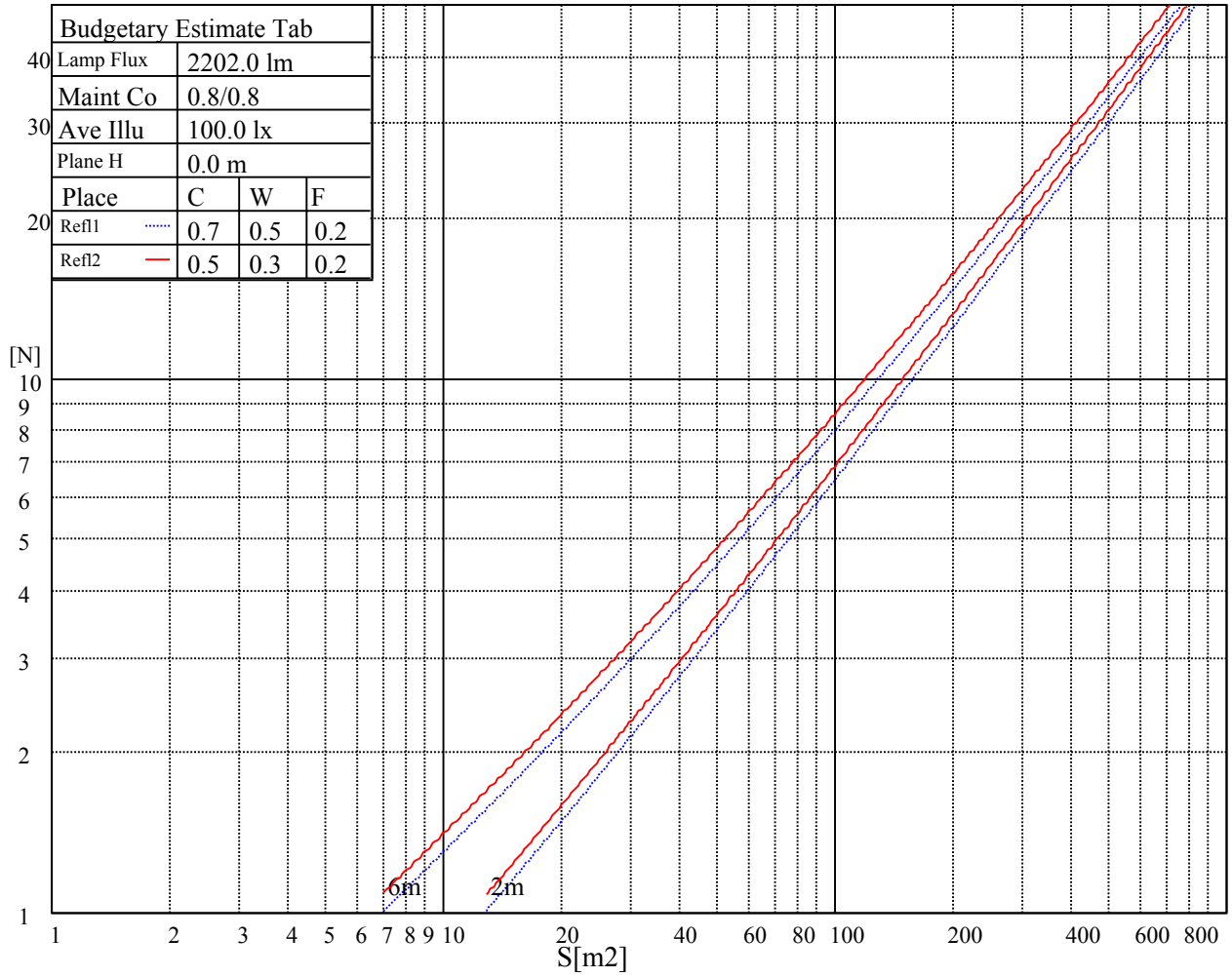
Luminance Limitting Curve



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 X Y	Viewed crosswise					Viewed endwise				
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
2H 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
2H 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
2H 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
2H 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
2H 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
4H 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 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
4H 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
4H 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
4H 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
8H 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 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
8H 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
12H 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
12H 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

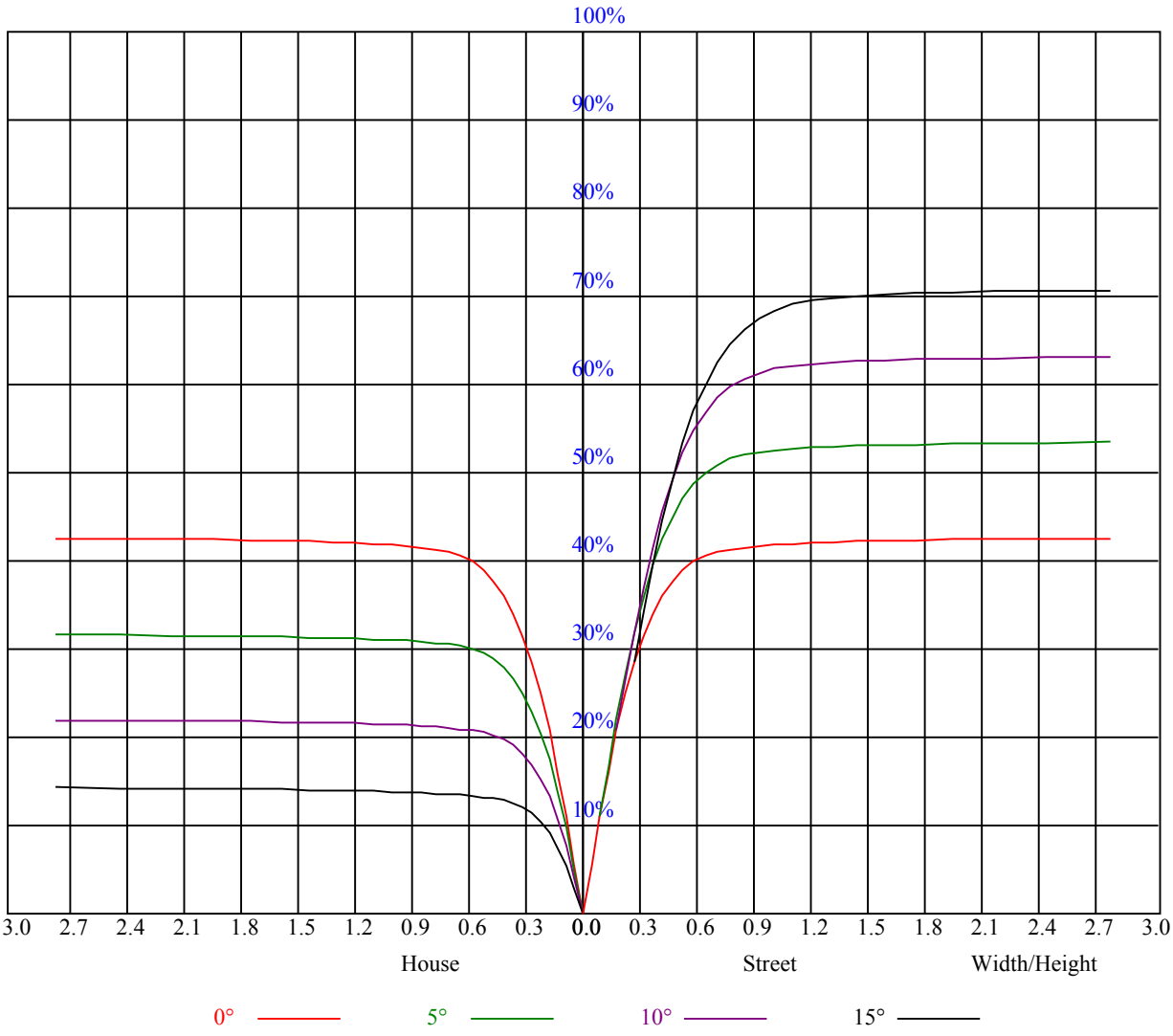


Equipment: GMS1980 Date: 2024/4/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

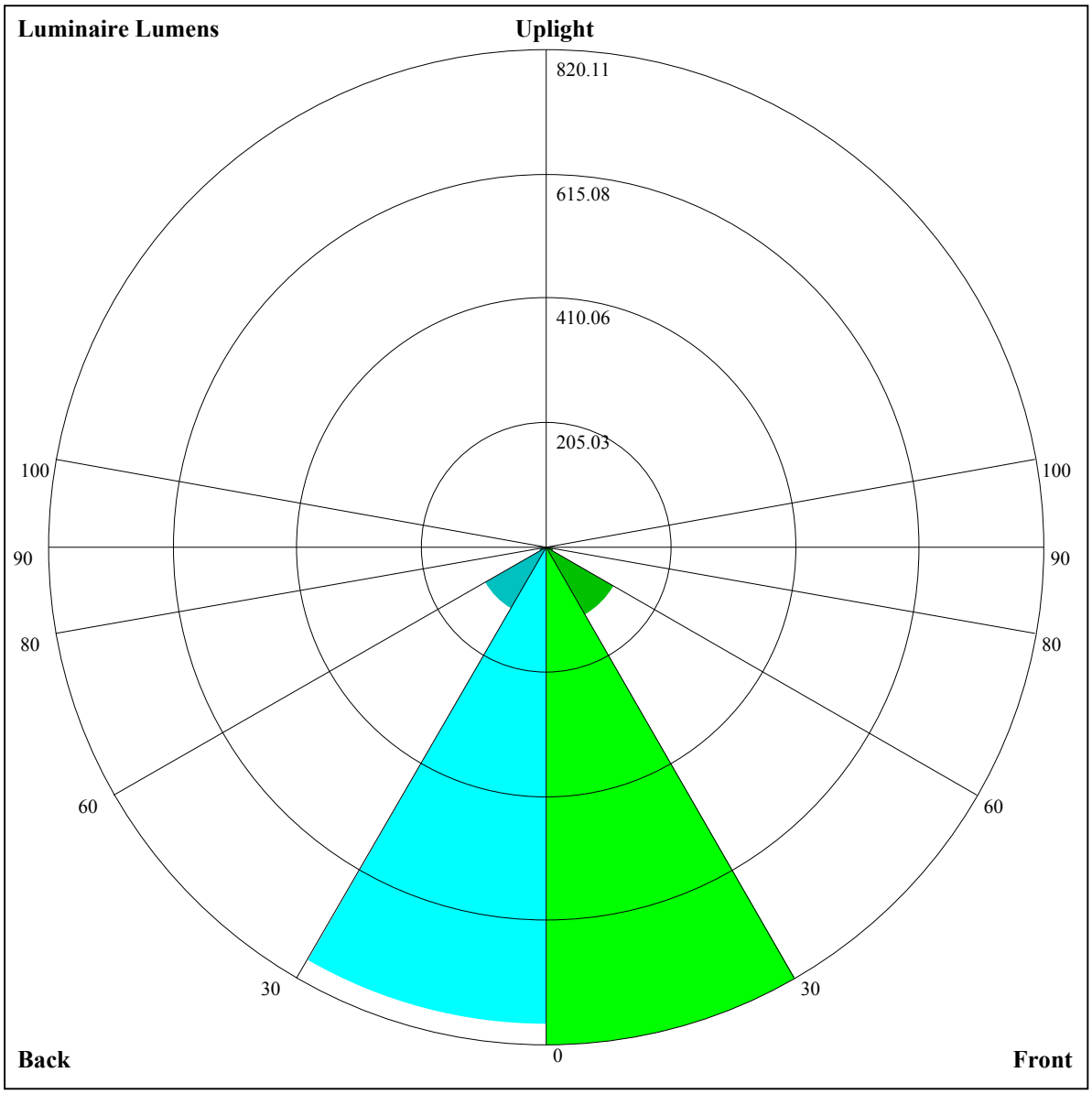
Utilization factor table for indoor luminaire

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	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.92	0.90	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.83	0.81	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.81	0.78	0.84	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.74	0.73
4	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.76	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.67	0.71	0.69	0.67	0.66
6	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63
7	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.60
8	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
9	0.64	0.59	0.56	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/02	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=820.11,FM=129.12,FH=14.32,FVH=4.86
BL=786.07,BM=116.78,BH=14,BVH=4.8
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	4728.68	4703.51	4650.26	4573.01	4473.52	4381.05	4272.79	4153.99	3987.20
45.0	4714.63	4725.17	4700.00	4659.03	4568.91	4491.66	4417.34	4316.09	4168.62
90.0	4712.29	4684.20	4627.43	4549.60	4451.28	4354.72	4248.79	4120.04	3988.95
135.0	4723.41	4716.39	4678.35	4612.22	4510.97	4424.36	4317.26	4163.93	4035.18
180.0	4728.68	4711.70	4665.47	4550.77	4462.40	4369.35	4213.68	4072.05	3928.09
225.0	4714.63	4654.94	4562.47	4447.77	4335.41	4205.49	4020.55	3866.64	3694.00
270.0	4712.29	4725.17	4692.39	4592.32	4495.76	4402.71	4252.30	4118.87	3960.28
315.0	4723.41	4687.13	4615.73	4512.73	4426.70	4314.34	4190.27	4013.53	3860.79
360.0	4728.68	4703.51	4650.26	4573.01	4473.52	4381.05	4272.79	4153.99	3987.20

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3843.23	3695.75	3524.87	3288.44	3098.82	2894.00	2698.53	2460.34	2277.17
45.0	4041.04	3907.61	3765.98	3559.98	3373.30	3137.45	2936.13	2735.40	2497.21
90.0	3813.97	3653.62	3468.69	3229.92	3033.28	2788.66	2594.95	2407.09	2187.04
135.0	3892.39	3741.40	3533.65	3354.57	3158.52	2957.20	2707.89	2503.65	2317.55
180.0	3726.19	3562.91	3392.02	3199.48	2947.84	2734.81	2545.20	2356.17	2125.01
225.0	3520.77	3299.56	3110.53	2914.48	2707.31	2459.17	2274.24	2103.36	1943.59
270.0	3801.09	3586.32	3407.82	3223.48	3024.50	2761.74	2564.51	2377.83	2151.93
315.0	3696.92	3530.72	3307.16	3118.14	2916.23	2664.00	2469.71	2288.87	2079.95
360.0	3843.23	3695.75	3524.87	3288.44	3098.82	2894.00	2698.53	2460.34	2277.17

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2068.24	1914.33	1770.95	1611.18	1491.80	1299.84	1163.25	1139.08	1044.86
45.0	2314.04	2150.76	1954.12	1805.48	1670.29	1547.98	1409.28	1298.09	1196.26
90.0	2022.01	1875.70	1741.69	1578.41	1455.51	1153.95	1153.95	1104.67	1008.64
135.0	2101.02	1947.10	1774.46	1644.54	1517.55	1402.26	1265.31	1162.90	1062.83
180.0	1931.30	1786.17	1648.64	1529.84	1380.02	1272.92	1167.00	1069.85	951.63
225.0	1764.51	1639.86	1486.53	1291.65	1158.04	1133.64	1035.61	939.70	846.76
270.0	1993.33	1847.03	1669.71	1550.32	1434.44	1295.75	1194.50	1068.09	973.87
315.0	1921.35	1752.81	1626.98	1508.18	1396.41	1143.88	1143.88	1070.67	977.09
360.0	2068.24	1914.33	1770.95	1611.18	1491.80	1299.84	1163.25	1139.08	1044.86

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	952.04	857.82	745.81	655.28	566.50	461.68	386.19	312.74	267.39
45.0	1096.18	972.12	880.24	768.46	679.50	589.38	480.53	402.69	340.66
90.0	913.19	820.43	707.24	617.88	508.27	426.69	357.98	292.26	249.25
135.0	963.92	845.12	753.83	664.29	554.27	468.82	394.50	321.35	296.18
180.0	858.00	766.12	674.24	558.36	473.51	377.53	319.01	306.13	306.13
225.0	733.76	645.39	558.01	454.02	380.81	322.28	274.41	224.08	190.90
270.0	881.99	791.28	703.50	594.06	506.86	427.27	357.63	300.86	300.86
315.0	861.39	770.74	682.08	591.60	481.70	403.92	327.55	278.27	237.48
360.0	952.04	857.82	745.81	655.28	566.50	461.68	386.19	312.74	267.39

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	227.65	192.83	156.31	132.03	112.54	96.04	78.89	68.00	59.63
45.0	301.45	301.45	194.88	163.10	136.59	110.67	93.99	80.18	69.00
90.0	211.62	179.08	144.67	122.31	104.11	88.60	73.33	63.91	56.24
135.0	296.18	185.69	156.55	130.51	105.52	89.54	76.55	65.90	55.77
180.0	185.34	157.02	132.90	107.86	91.41	77.60	64.08	55.89	49.45
225.0	162.81	132.09	111.31	90.65	77.02	66.01	57.18	50.33	44.36
270.0	200.26	171.06	145.37	118.63	101.13	85.97	73.80	61.51	54.02
315.0	193.94	164.80	139.05	117.75	95.68	81.93	70.29	60.98	52.26
360.0	227.65	192.83	156.31	132.03	112.54	96.04	78.89	68.00	59.63

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	52.96	46.64	42.78	39.68	36.46	34.12	31.72	30.02	28.50
45.0	58.05	51.27	45.24	41.32	38.39	35.41	33.30	31.54	29.61
90.0	49.16	44.89	40.50	37.63	35.23	32.60	30.96	29.44	27.97
135.0	49.80	45.12	41.20	37.45	35.23	32.66	30.84	29.26	27.56
180.0	44.59	40.20	37.51	35.35	32.83	31.08	29.55	27.80	26.45
225.0	40.97	37.98	35.05	33.07	31.31	29.85	28.03	26.69	25.16
270.0	48.11	43.72	39.62	37.10	34.94	32.48	30.78	29.26	27.45
315.0	47.11	43.07	39.03	36.34	33.65	31.72	30.08	28.62	26.80
360.0	52.96	46.64	42.78	39.68	36.46	34.12	31.72	30.02	28.50

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.74	25.52	24.29	23.17	21.89	20.95	20.07	19.25	18.38
45.0	28.27	26.80	25.52	24.46	23.12	22.06	21.13	20.01	19.25
90.0	26.63	25.16	23.99	22.88	21.59	20.72	19.90	18.84	18.20
135.0	26.28	25.05	23.88	22.65	21.71	20.83	19.96	18.96	18.26
180.0	25.22	23.82	22.77	21.77	20.89	19.84	19.02	18.32	17.67
225.0	24.05	22.94	21.77	20.89	20.01	19.25	18.38	17.67	16.97
270.0	26.04	24.58	23.41	22.36	21.42	20.31	19.49	18.73	18.02
315.0	25.52	24.35	23.17	21.95	21.07	20.13	19.31	18.38	17.73
360.0	26.74	25.52	24.29	23.17	21.89	20.95	20.07	19.25	18.38

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.67	17.03	16.21	15.74	15.04	14.51	14.05	13.64	13.17
45.0	18.32	17.67	16.97	16.27	15.80	15.27	14.69	14.22	13.75
90.0	17.50	16.68	16.15	15.63	14.98	14.46	14.05	13.64	13.11
135.0	17.62	16.74	16.15	15.63	15.04	14.57	13.99	13.58	13.23
180.0	16.80	16.15	15.51	15.04	14.51	13.93	13.52	13.17	12.76
225.0	16.33	15.63	15.16	14.63	14.05	13.64	13.23	12.70	12.35
270.0	17.21	16.50	15.92	15.45	14.75	14.22	13.75	13.34	12.99
315.0	17.03	16.21	15.68	15.04	14.51	14.05	13.58	13.17	12.76
360.0	17.67	17.03	16.21	15.74	15.04	14.51	14.05	13.64	13.17

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.70	12.35	12.00	11.59	11.29	11.00	10.77	10.48	10.12
45.0	13.34	12.87	12.52	12.11	11.82	11.41	11.12	10.89	10.59
90.0	12.70	12.35	12.06	11.65	11.35	11.06	10.77	10.53	10.12
135.0	12.76	12.29	12.00	11.70	11.47	11.06	10.83	10.59	10.30
180.0	12.35	12.00	11.70	11.41	11.06	10.77	10.53	10.12	9.89
225.0	11.94	11.65	11.29	11.00	10.77	10.48	10.18	9.95	9.71
270.0	12.47	12.17	11.88	11.53	11.18	10.89	10.65	10.36	10.01
315.0	12.35	11.94	11.65	11.35	11.00	10.71	10.48	10.18	9.89
360.0	12.70	12.35	12.00	11.59	11.29	11.00	10.77	10.48	10.12

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.89	9.71	9.31	9.01	8.78	8.60	8.43	8.25	8.19
45.0	10.30	9.95	9.66	9.42	9.01	8.84	8.66	8.43	8.25
90.0	9.89	9.66	9.36	8.95	8.84	8.66	8.43	8.25	8.13
135.0	9.95	9.71	9.36	9.01	8.78	8.60	8.43	8.25	8.13
180.0	9.71	9.42	8.95	8.78	8.60	8.37	8.19	8.19	7.96
225.0	9.48	9.07	8.78	8.60	8.49	8.31	8.25	8.02	8.08
270.0	9.77	9.54	9.13	8.78	8.66	8.43	8.31	8.19	8.02
315.0	9.71	9.42	8.95	8.78	8.60	8.43	8.25	8.19	7.96
360.0	9.89	9.71	9.31	9.01	8.78	8.60	8.43	8.25	8.19

Intensity data(cd)

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