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

Nata

Client:
LumCAT: 3-2547-M
Luminaire: 92.70.131.00
Report No: 200919-B027
Test No: 200919-C027
LampCAT: BRIDGELUX V13B
Lamp flux(lm): 2329.0
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V): 230.5000
Current(A): 0.0890
Power (W): 19.6600
PF: 0.9530
Ballast type: AC
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 2209.14, Efficiency(%): 94.85% , Luminous Efficacy(lm/W): 112.37
Central intensity(cd): 5870.834, Maximum intensity(cd): 5870.834
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=33.0
[C90/270]Total=33.0
Field angle(10%Imax): [C0/180]Total=65.4
[C90/270]Total=65.4
Maximum s/h(1/2): C0_180=0.55 C90_270=0.55
Maximum s/h(1/4): C0_180=0.54 C90_270=0.54
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.85%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.707%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5870.835	0.000	0	.000%	.000%
1.0	5861.902	5.614	5.614	.241%	.254%
2.0	5829.710	16.781	22.395	.721%	1.014%
3.0	5776.230	27.758	50.152	1.192%	2.270%
4.0	5697.809	38.407	88.56	1.649%	4.009%
5.0	5593.111	48.573	137.133	2.086%	6.208%
6.0	5462.834	58.102	195.235	2.495%	8.838%
7.0	5311.211	66.874	262.109	2.871%	11.865%
8.0	5134.066	74.755	336.864	3.210%	15.249%
9.0	4930.935	81.571	418.435	3.502%	18.941%
10.0	4678.617	86.963	505.398	3.734%	22.878%
11.0	4471.658	91.430	596.828	3.926%	27.016%
12.0	4190.280	94.687	691.515	4.066%	31.302%
13.0	3923.867	96.294	787.81	4.135%	35.661%
14.0	3651.537	96.965	884.774	4.163%	40.051%
15.0	3350.031	96.121	980.895	4.127%	44.402%
16.0	3088.143	94.337	1075.232	4.051%	48.672%
17.0	2789.827	91.536	1166.768	3.930%	52.816%
18.0	2523.936	87.612	1254.38	3.762%	56.781%
19.0	2252.302	83.097	1337.477	3.568%	60.543%
20.0	1990.993	77.664	1415.141	3.335%	64.058%
21.0	1747.666	71.790	1486.931	3.082%	67.308%
22.0	1532.064	65.908	1552.839	2.830%	70.292%
23.0	1344.537	60.359	1613.197	2.592%	73.024%
24.0	1200.193	55.637	1668.834	2.389%	75.542%
25.0	1101.766	52.342	1721.176	2.247%	77.912%
26.0	994.081	49.473	1770.649	2.124%	80.151%
27.0	947.069	47.491	1818.139	2.039%	82.301%
28.0	899.349	46.747	1864.887	2.007%	84.417%
29.0	845.898	45.661	1910.547	1.961%	86.484%
30.0	794.228	44.283	1954.83	1.901%	88.488%
31.0	730.075	42.419	1997.25	1.821%	90.408%
32.0	647.773	39.474	2036.723	1.695%	92.195%
33.0	559.514	35.567	2072.29	1.527%	93.805%
34.0	463.633	30.963	2103.254	1.329%	95.207%
35.0	361.285	25.619	2128.873	1.100%	96.367%
36.0	275.792	20.285	2149.157	.871%	97.285%
37.0	210.625	15.864	2165.022	.681%	98.003%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	125.625	11.224	2176.245	.482%	98.511%
39.0	88.236	7.300	2183.545	.313%	98.841%
40.0	42.163	4.548	2188.093	.195%	99.047%
41.0	23.811	2.349	2190.442	.101%	99.154%
42.0	18.904	1.552	2191.994	.067%	99.224%
43.0	15.737	1.283	2193.277	.055%	99.282%
44.0	12.546	1.067	2194.345	.046%	99.330%
45.0	10.835	0.899	2195.243	.039%	99.371%
46.0	9.304	0.788	2196.031	.034%	99.407%
47.0	8.092	0.692	2196.723	.030%	99.438%
48.0	7.320	0.623	2197.346	.027%	99.466%
49.0	6.520	0.568	2197.914	.024%	99.492%
50.0	5.951	0.520	2198.434	.022%	99.515%
51.0	5.476	0.483	2198.917	.021%	99.537%
52.0	5.093	0.453	2199.371	.019%	99.558%
53.0	4.843	0.432	2199.803	.019%	99.577%
54.0	4.652	0.419	2200.222	.018%	99.596%
55.0	4.519	0.409	2200.631	.018%	99.615%
56.0	4.420	0.404	2201.035	.017%	99.633%
57.0	4.403	0.403	2201.438	.017%	99.651%
58.0	4.385	0.406	2201.845	.017%	99.670%
59.0	4.385	0.410	2202.255	.018%	99.688%
60.0	4.368	0.414	2202.668	.018%	99.707%
61.0	4.362	0.417	2203.085	.018%	99.726%
62.0	4.345	0.420	2203.504	.018%	99.745%
63.0	4.298	0.420	2203.925	.018%	99.764%
64.0	4.194	0.417	2204.341	.018%	99.783%
65.0	4.078	0.409	2204.751	.018%	99.801%
66.0	3.938	0.400	2205.151	.017%	99.819%
67.0	3.770	0.388	2205.538	.017%	99.837%
68.0	3.550	0.371	2205.909	.016%	99.854%
69.0	3.312	0.350	2206.259	.015%	99.870%
70.0	3.016	0.325	2206.584	.014%	99.884%
71.0	2.738	0.297	2206.881	.013%	99.898%
72.0	2.355	0.265	2207.146	.011%	99.910%
73.0	2.065	0.231	2207.377	.010%	99.920%
74.0	1.769	0.202	2207.579	.009%	99.929%
75.0	1.491	0.172	2207.751	.007%	99.937%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.230	0.144	2207.896	.006%	99.944%
77.0	1.056	0.122	2208.017	.005%	99.949%
78.0	0.969	0.108	2208.126	.005%	99.954%
79.0	0.928	0.102	2208.228	.004%	99.959%
80.0	0.876	0.097	2208.325	.004%	99.963%
81.0	0.835	0.093	2208.418	.004%	99.967%
82.0	0.795	0.088	2208.506	.004%	99.971%
83.0	0.748	0.084	2208.59	.004%	99.975%
84.0	0.737	0.081	2208.671	.003%	99.979%
85.0	0.719	0.079	2208.75	.003%	99.982%
86.0	0.777	0.082	2208.832	.004%	99.986%
87.0	0.789	0.086	2208.918	.004%	99.990%
88.0	0.679	0.080	2208.998	.003%	99.994%
89.0	0.644	0.072	2209.071	.003%	99.997%
90.0	0.609	0.069	2209.139	.003%	100.000%

Zonal flux distribution table

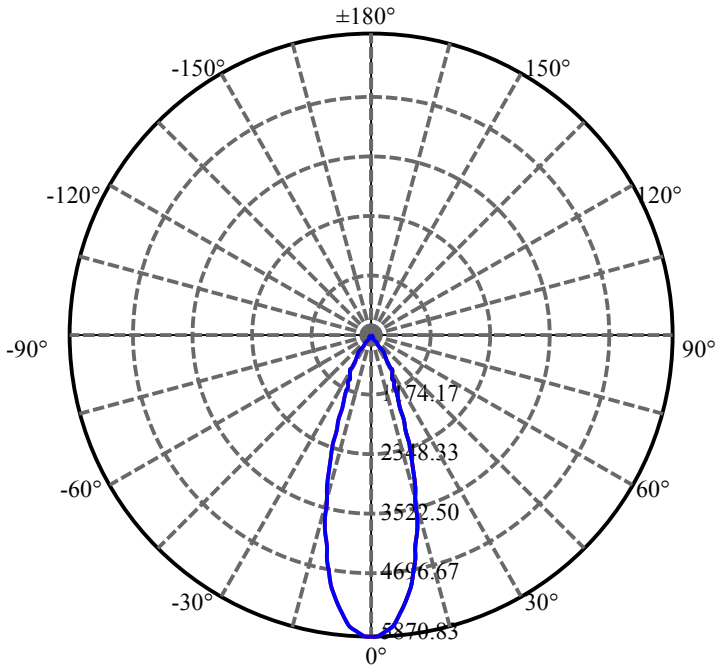
ZONAL LUMEN SUMMARY

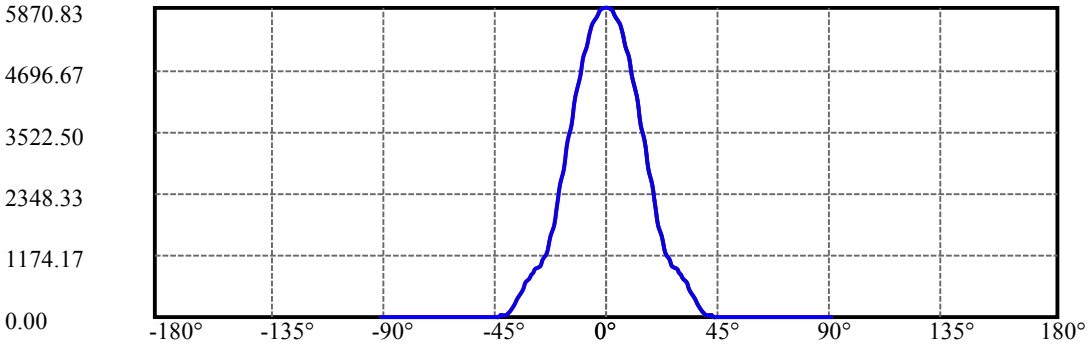
Zone	Lumens	%Lamp	%Fixt
0-30	1954.83	83.93%	88.49%
0-40	2188.09	93.95%	99.05%
0-60	2202.67	94.58%	99.71%
0-90	2209.07	94.85%	100.00%
0-120	2209.07	94.85%	100.00%
0-180	2209.14	94.85%	100.00%
60-90	6.82	0.29%	0.31%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.93	1767.31	75.88%	80.00%

ZONAL LUMEN SUMMARY

0-10	505.40
10-20	909.74
20-30	539.69
30-40	233.26
40-50	10.34
50-60	4.23
60-70	3.92
70-80	1.74
80-90	0.75
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):

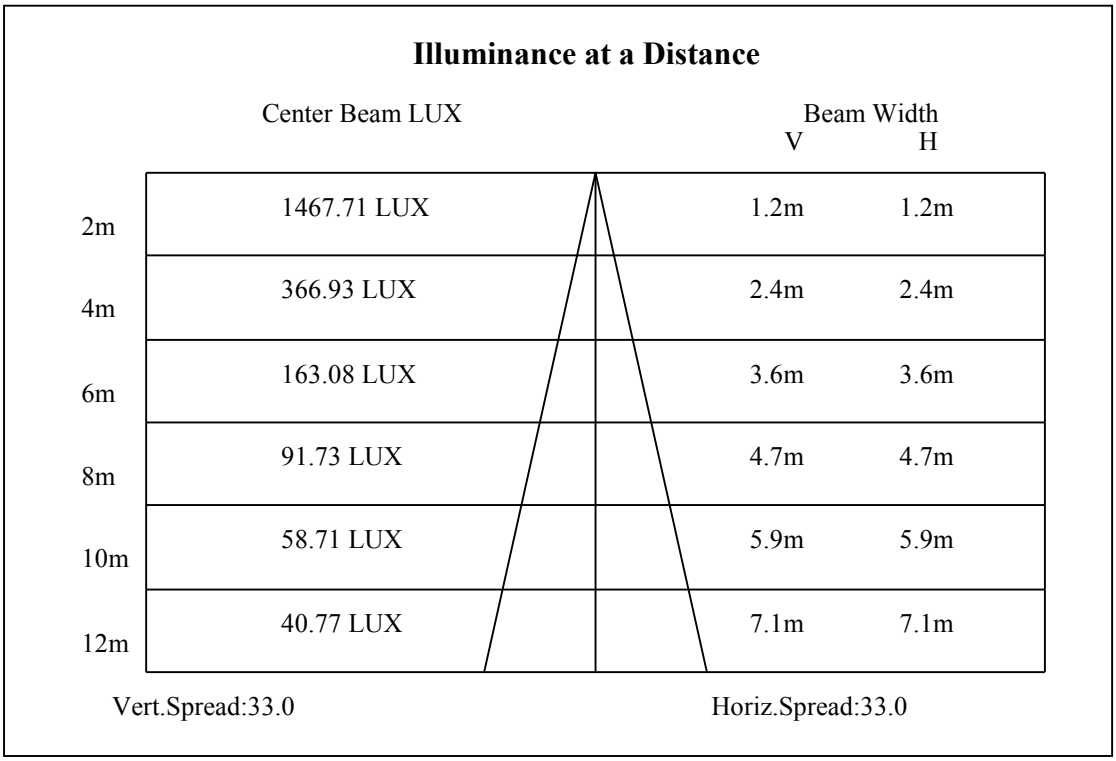
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:32.7 Right:32.7
:C90/270Left:32.7 Right:32.7

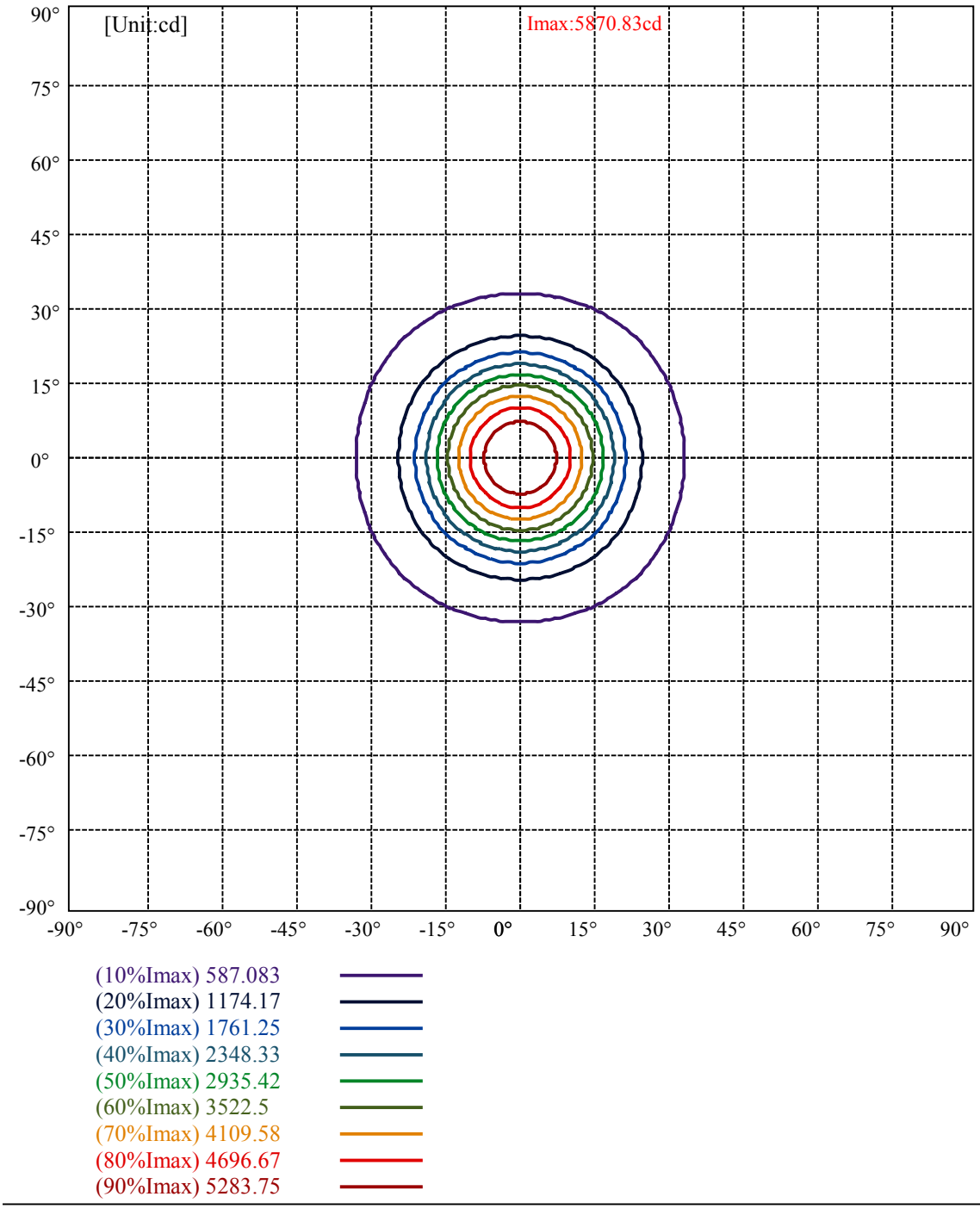
Beam Angle(50%Imax):C0/180Left:16.5 Right:16.5
:C90/270Left:16.5 Right:16.5

Lux distance Curve



Equipment: GMS 1800 Date: 2020/9/19 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 6.81

ISO-Intensity(V-H)

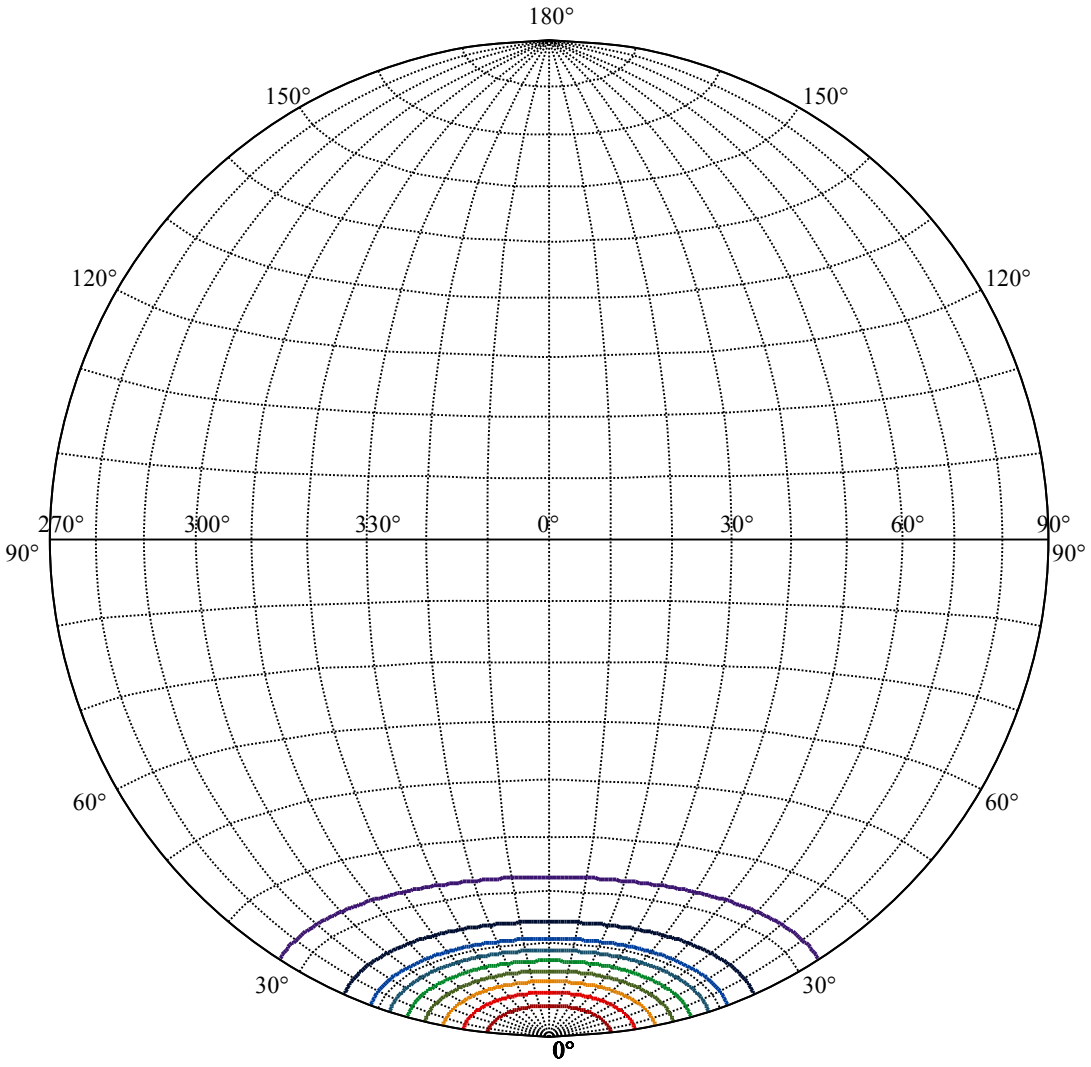


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2020/9/19
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:5870.83

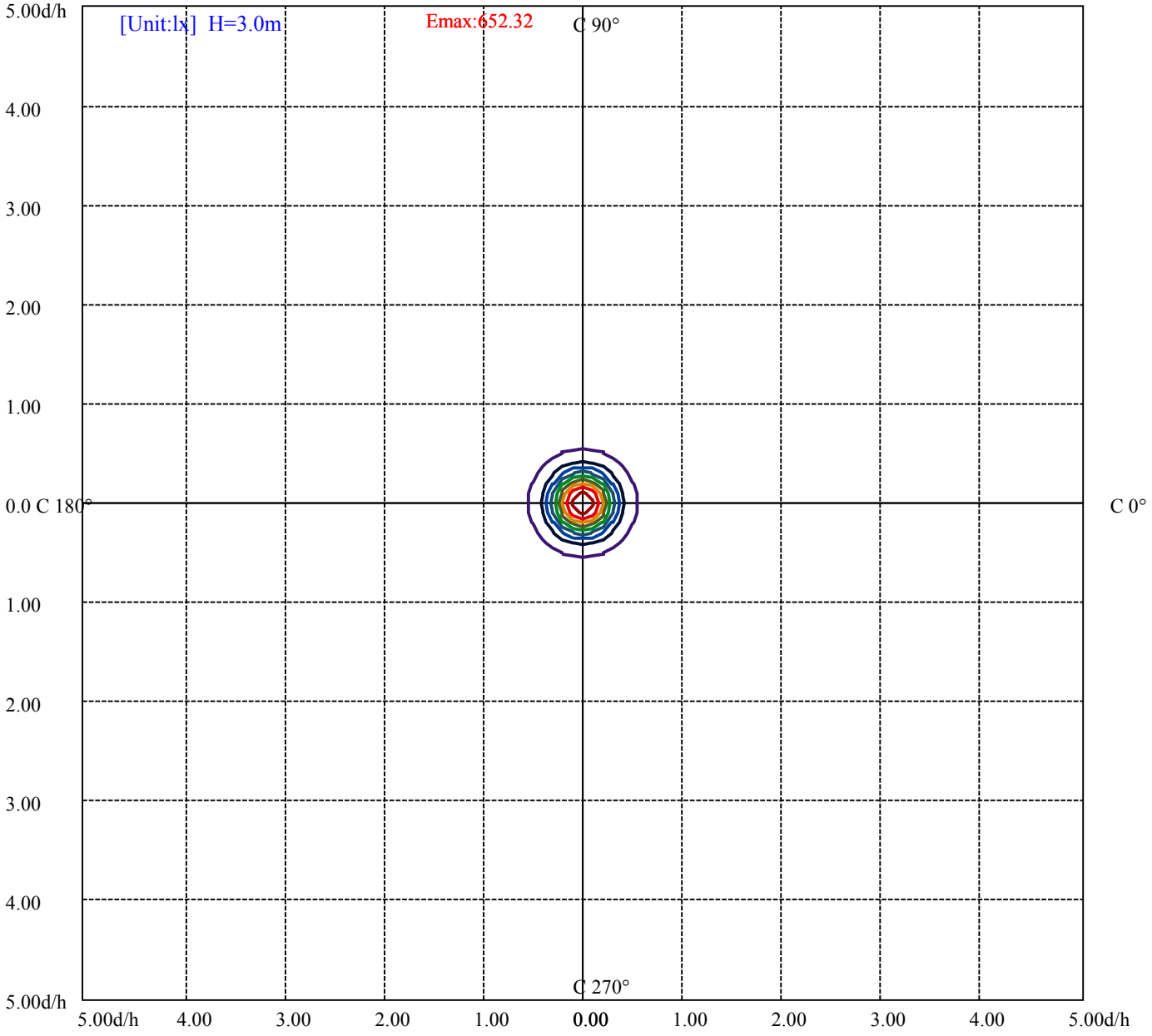
(10%Imax) 587.083
(20%Imax) 1174.17
(30%Imax) 1761.25
(40%Imax) 2348.33
(50%Imax) 2935.42
(60%Imax) 3522.5
(70%Imax) 4109.58
(80%Imax) 4696.67
(90%Imax) 5283.75

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2020/9/19
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

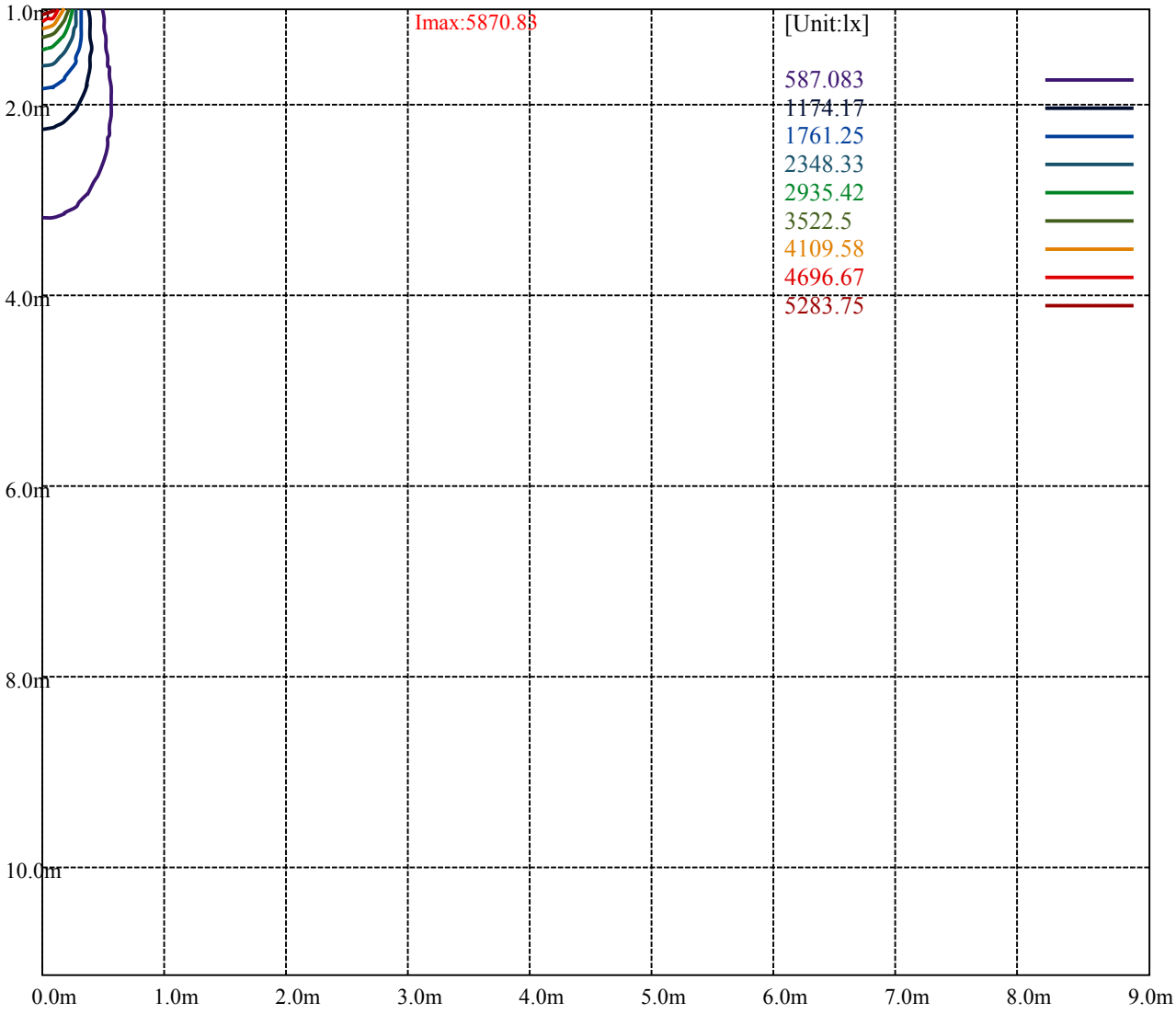
ISO illuminance diagram



(10%Emax) 65.23145
(20%Emax) 130.4633
(30%Emax) 195.6944
(40%Emax) 260.9256
(50%Emax) 326.1578
(60%Emax) 391.3889
(70%Emax) 456.62
(80%Emax) 521.8522
(90%Emax) 587.0833

Equipment: GMS 1800	Date: 2020/9/19	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 6.81

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2020/9/19
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

Luminance Limitting Curve(no luminous side)

Luminance Table

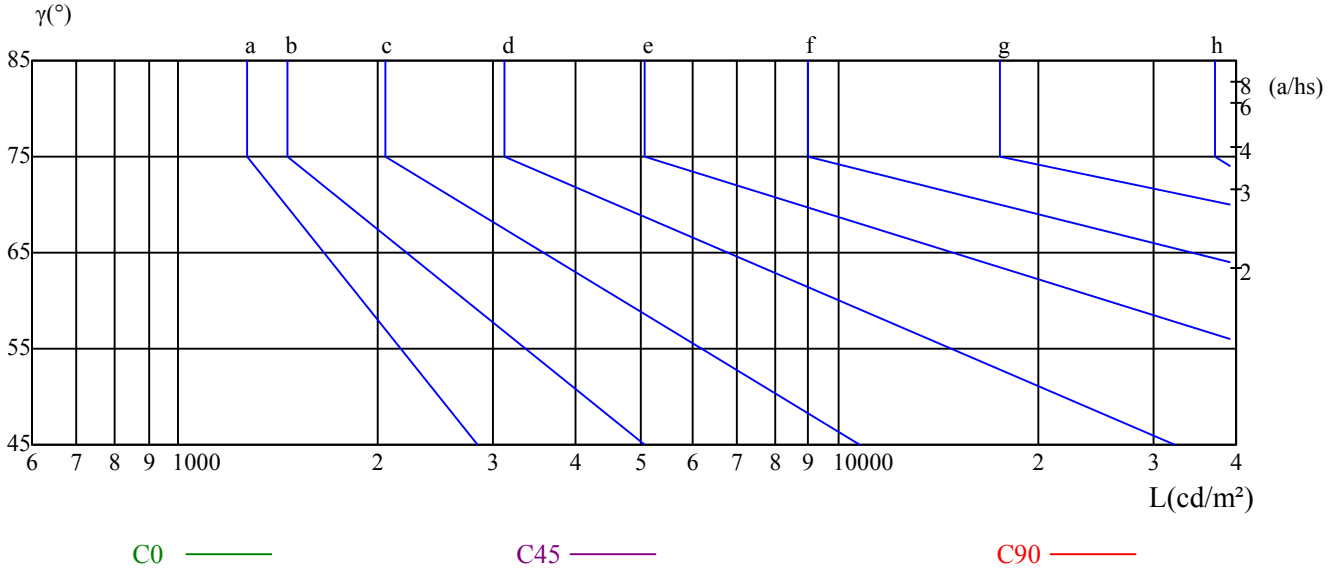
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

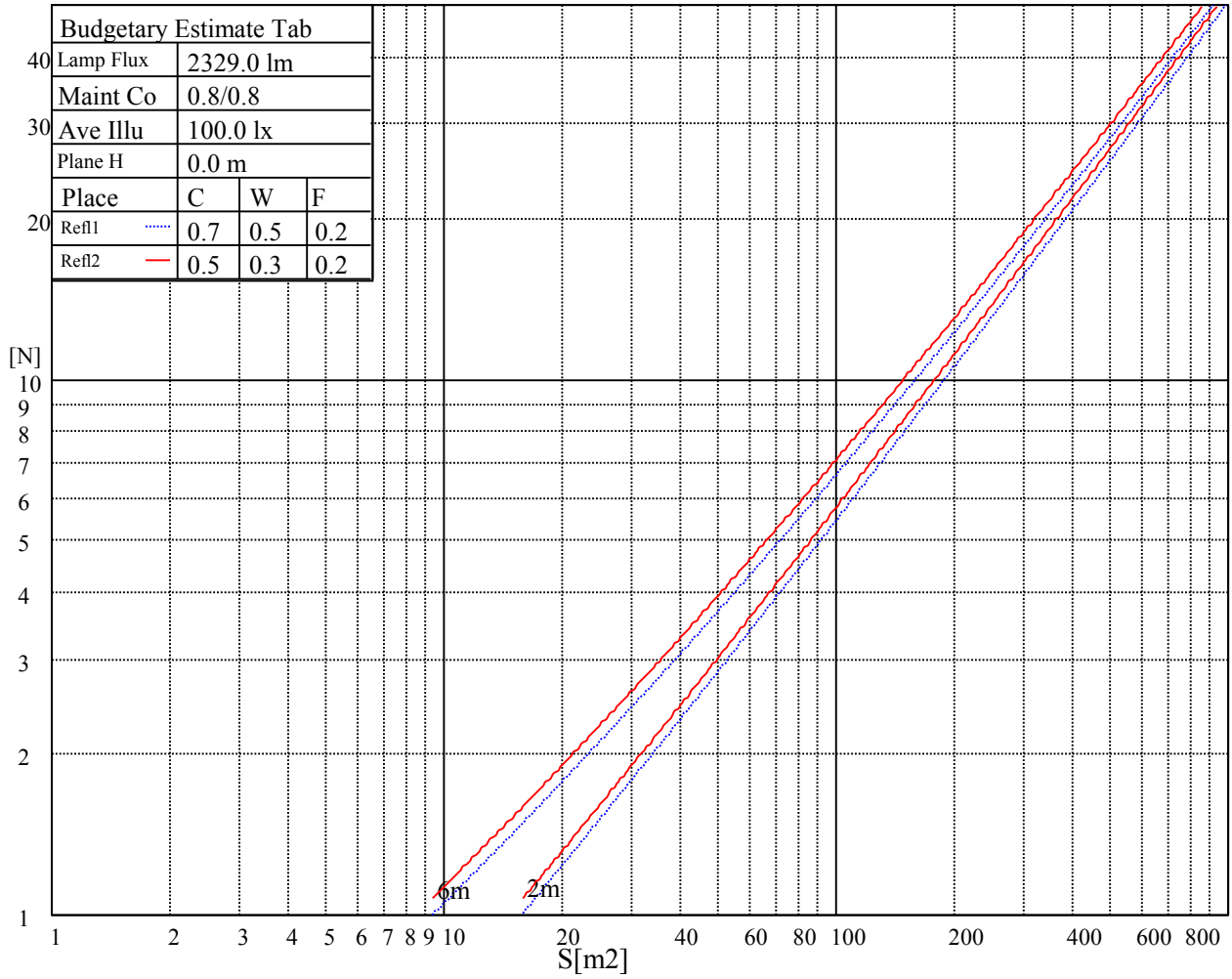


UGR Glare

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

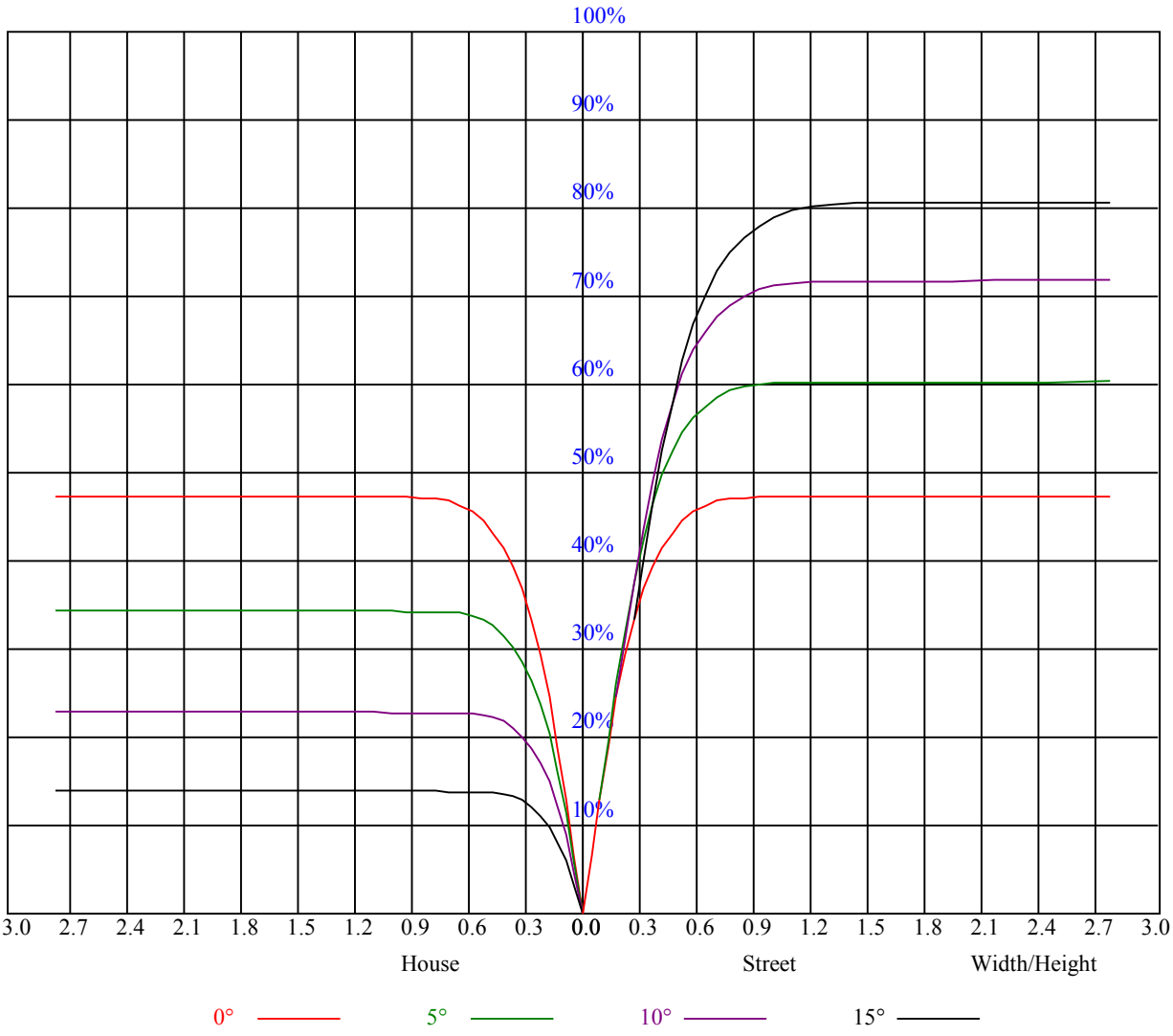


Equipment: GMS 1800 Date: 2020/9/19 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 6.81

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	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.04	1.03	1.04	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91
2	1.01	0.97	0.95	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.91	0.90	0.91	0.89	0.88	0.86
3	0.95	0.91	0.88	0.94	0.91	0.88	0.92	0.89	0.86	0.90	0.87	0.85	0.87	0.85	0.84	0.82
4	0.91	0.86	0.83	0.90	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.87	0.82	0.79	0.86	0.82	0.78	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.76	0.75
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.72
7	0.79	0.75	0.71	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
8	0.76	0.71	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
9	0.73	0.69	0.66	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64
10	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.61

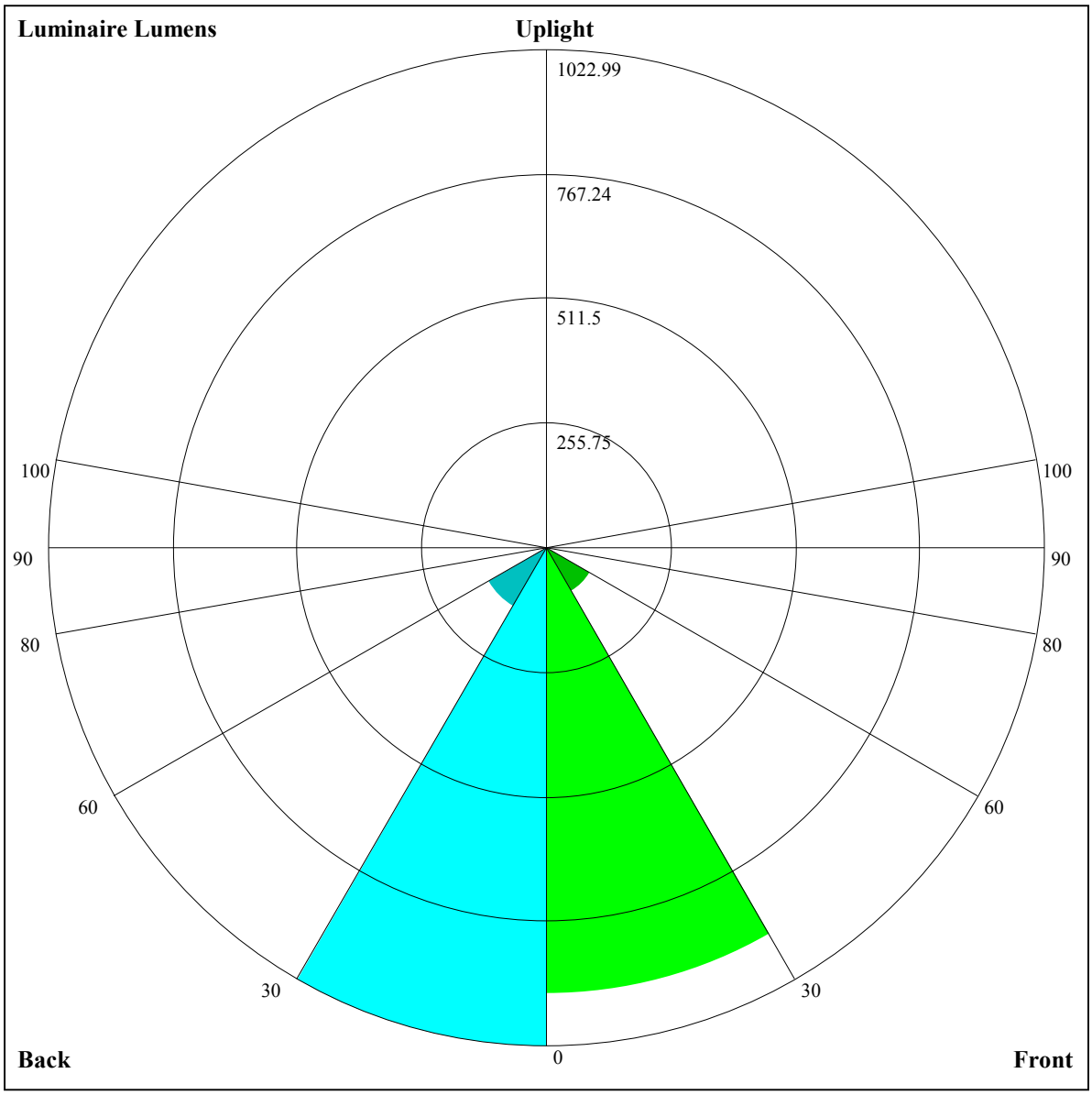
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2020/9/19
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81



Luminaire Lumens:
FL=916.76,FM=103.85,FH=2.65,FVH=0.38
BL=1022.99,BM=139.35,BH=2.8,BVH=0.42
UL=0.66,UH=3.16

BUG Rating:B3-U1-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	5867.47	5828.49	5769.56	5682.32	5564.46	5412.25	5226.18	5005.76	4751.47
45.0	5869.79	5883.25	5873.50	5841.48	5781.16	5696.71	5594.16	5457.73	5286.04
90.0	5885.10	5885.57	5858.19	5808.07	5738.01	5642.41	5522.69	5376.52	5202.97
135.0	5860.97	5881.39	5884.64	5872.11	5833.60	5770.95	5682.79	5570.95	5434.53
180.0	5867.47	5883.25	5878.14	5855.87	5818.28	5753.32	5665.62	5547.75	5432.21
225.0	5869.79	5845.20	5790.91	5716.20	5614.11	5488.82	5338.47	5172.35	4979.77
270.0	5885.10	5868.86	5829.42	5771.88	5688.82	5583.48	5454.95	5305.53	5206.22
315.0	5860.97	5819.21	5753.32	5661.90	5544.04	5396.94	5217.82	5053.09	4779.31
360.0	5867.47	5828.49	5769.56	5682.32	5564.46	5412.25	5226.18	5005.76	4751.47

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4477.23	4184.89	3882.34	3699.51	3279.09	3105.54	2826.20	2556.59	2294.41
45.0	5121.31	4839.17	4623.86	4338.94	4032.68	3718.07	3394.64	3071.21	2757.52
90.0	5076.29	4737.55	4567.71	4138.48	3940.80	3604.38	3266.10	2925.50	2591.86
135.0	5263.76	5072.58	4844.28	4596.95	4441.50	4062.84	3782.57	3611.80	3222.94
180.0	5222.46	5018.75	4836.85	4591.84	4331.06	4068.88	3806.70	3547.30	3293.48
225.0	4771.42	4550.08	4415.97	4091.15	3852.64	3706.00	3348.23	3186.75	2919.47
270.0	4940.80	4721.31	4577.92	4324.10	4057.28	3775.61	3480.95	3177.00	2868.42
315.0	4574.21	4304.61	4024.33	3741.27	3455.89	3170.97	2894.87	2628.98	2370.51
360.0	4477.23	4184.89	3882.34	3699.51	3279.09	3105.54	2826.20	2556.59	2294.41

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2043.37	1807.64	1601.61	1425.74	1291.17	1189.09	1106.95	1036.88	909.18
45.0	2450.79	2152.42	1864.25	1600.68	1379.34	1201.61	1075.40	982.59	912.99
90.0	2273.07	1970.52	1687.92	1430.38	1220.18	1016.93	906.26	881.71	850.06
135.0	3055.43	2782.58	2508.33	2238.73	1973.30	1726.44	1512.52	1339.90	1205.33
180.0	3041.51	2803.46	2566.34	2332.46	2094.88	1861.93	1650.33	1538.97	1338.04
225.0	2644.76	2362.63	2076.78	1799.29	1545.00	1333.40	1172.84	1057.76	910.67
270.0	2564.02	2267.96	1979.80	1706.02	1456.83	1246.16	1087.46	978.88	904.17
315.0	2118.54	1871.21	1642.91	1448.02	1295.81	1180.73	1089.78	997.44	922.22
360.0	2043.37	1807.64	1601.61	1425.74	1291.17	1189.09	1106.95	1036.88	909.18

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	909.18	877.86	816.47	721.99	616.00	508.02	398.93	295.77	201.07
45.0	858.69	815.07	780.27	760.32	704.63	588.16	531.55	435.03	337.12
90.0	795.07	764.12	749.69	701.53	664.26	586.21	495.68	398.88	302.87
135.0	1102.31	1020.64	951.96	893.50	846.63	787.23	699.99	641.53	495.82
180.0	1228.99	1172.38	1059.62	1018.32	955.68	900.92	821.57	723.20	614.61
225.0	910.67	865.19	818.97	779.34	717.49	632.62	538.33	440.23	340.04
270.0	849.41	805.79	772.85	745.47	701.39	647.09	564.96	453.59	375.64
315.0	922.22	873.73	817.35	733.36	634.52	531.92	425.10	320.83	223.11
360.0	909.18	877.86	816.47	721.99	616.00	508.02	398.93	295.77	201.07

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	121.21	66.64	46.12	39.54	33.09	27.42	23.43	20.09	17.59
45.0	278.65	278.65	78.84	31.14	16.84	13.36	9.70	7.19	5.80
90.0	209.09	127.33	61.39	22.04	13.83	10.53	7.33	5.52	4.22
135.0	431.78	328.30	248.03	248.03	61.02	30.39	24.73	19.86	15.45
180.0	503.71	393.73	289.32	250.35	147.98	55.68	43.06	38.89	29.23
225.0	243.76	156.38	82.64	35.31	19.91	16.75	13.13	9.98	7.98
270.0	279.58	261.02	160.37	48.49	18.19	14.57	11.60	8.58	6.77
315.0	138.56	72.95	38.28	31.00	26.45	21.76	18.24	15.78	13.32
360.0	121.21	66.64	46.12	39.54	33.09	27.42	23.43	20.09	17.59

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	15.55	13.83	12.39	11.55	10.07	9.28	8.86	8.07	7.80
45.0	5.06	4.55	4.27	4.04	3.76	3.62	3.62	3.57	3.53
90.0	3.71	3.29	3.16	2.92	2.78	2.64	2.51	2.46	2.46
135.0	12.58	10.16	8.77	7.80	6.96	6.31	5.71	5.43	5.01
180.0	25.94	21.62	16.98	15.50	13.41	11.65	10.21	9.00	8.03
225.0	6.54	5.75	5.34	4.55	4.04	3.85	3.48	3.29	3.25
270.0	5.20	4.41	4.13	3.48	3.16	2.83	2.51	2.41	2.46
315.0	12.11	10.81	9.70	8.72	7.98	7.42	6.91	6.50	6.22
360.0	15.55	13.83	12.39	11.55	10.07	9.28	8.86	8.07	7.80

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	7.38	7.05	6.87	6.68	6.45	6.22	6.03	5.89	5.66
45.0	3.57	3.62	3.67	3.76	3.85	3.94	3.99	3.94	3.94
90.0	2.46	2.37	2.41	2.55	2.69	2.74	2.69	2.74	2.92
135.0	4.83	4.64	4.41	4.32	4.22	4.27	4.27	4.22	4.13
180.0	7.29	6.77	6.31	5.89	5.57	5.43	5.43	5.24	5.15
225.0	3.20	3.20	3.20	3.34	3.48	3.57	3.57	3.71	3.85
270.0	2.51	2.60	2.69	2.92	3.11	3.25	3.43	3.67	3.71
315.0	5.99	5.89	5.80	5.75	5.71	5.66	5.52	5.48	5.38
360.0	7.38	7.05	6.87	6.68	6.45	6.22	6.03	5.89	5.66

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5.43	5.10	4.87	4.55	4.13	3.67	3.29	2.83	2.55
45.0	3.99	3.90	3.81	3.71	3.43	3.25	3.06	2.78	2.46
90.0	2.92	2.78	2.69	2.64	2.60	2.55	2.37	2.18	2.00
135.0	4.08	3.99	3.90	3.85	3.71	3.62	3.39	3.20	2.97
180.0	5.10	5.01	4.97	4.87	4.83	4.55	4.36	4.08	3.81
225.0	3.90	3.90	3.85	3.85	3.71	3.62	3.34	3.06	2.88
270.0	3.67	3.71	3.71	3.62	3.53	3.39	3.34	3.11	2.88
315.0	5.29	5.15	4.83	4.41	4.22	3.76	3.34	2.88	2.37
360.0	5.43	5.10	4.87	4.55	4.13	3.67	3.29	2.83	2.55

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1.95	1.53	1.30	1.11	1.11	1.02	0.93	0.88	0.88
45.0	2.13	1.81	1.58	1.25	0.93	0.84	0.84	0.79	0.74
90.0	1.72	1.58	1.30	1.11	0.88	0.84	0.74	0.79	0.79
135.0	2.64	2.46	2.00	1.86	1.48	1.16	1.02	1.02	0.93
180.0	3.43	2.97	2.64	2.32	1.90	1.53	1.25	1.16	1.11
225.0	2.46	2.32	2.00	1.62	1.35	1.16	1.11	1.02	0.97
270.0	2.51	2.23	2.00	1.62	1.25	1.02	0.97	0.93	0.84
315.0	2.00	1.62	1.35	1.02	0.93	0.88	0.88	0.84	0.74
360.0	1.95	1.53	1.30	1.11	1.11	1.02	0.93	0.88	0.88

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.84	0.79	0.79	0.74	0.74	1.30	1.44	0.74	0.79
45.0	0.70	0.65	0.65	0.65	0.56	0.56	0.60	0.56	0.56
90.0	0.70	0.70	0.70	0.65	0.65	0.70	0.70	0.65	0.65
135.0	0.88	0.84	0.79	0.79	0.79	0.74	0.74	0.79	0.70
180.0	1.07	0.97	0.88	0.88	0.84	0.79	0.74	0.70	0.70
225.0	0.97	0.88	0.84	0.79	0.84	0.79	0.79	0.79	0.65
270.0	0.84	0.79	0.70	0.70	0.70	0.70	0.70	0.65	0.56
315.0	0.70	0.74	0.65	0.70	0.65	0.65	0.60	0.56	0.56
360.0	0.84	0.79	0.79	0.74	0.74	1.30	1.44	0.74	0.79

Intensity data(cd)

C/γ(°)	90.0
0.0	0.79
45.0	0.56
90.0	0.65
135.0	0.60
180.0	0.60
225.0	0.65
270.0	0.56
315.0	0.46
360.0	0.79