NATA LIGHTING CO.,LTD.
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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client:
LumCAT: 1-1062-N
Luminaire: 92.70.246.00
Report No: 200922-B032
Test No: 200922-C032
LampCAT: TRIDONIC SLE G7 9MM
Lamp flux(lm): 1269.0
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V): 231.0000
Current(A): 0.0900
Power (W): 11.2700
PF: 0.5400
Ballast type: AC
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 993.79, Efficiency(%): 78.31% , Luminous Efficacy(lm/W): 88.18
Central intensity(cd): 2351.895, Maximum intensity(cd): 2351.895
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.0
[C90/270]Total=37.0
Field angle(10%Imax): [C0/180]Total=60.8
[C90/270]Total=60.8
Maximum s/h(1/2): C0_180=0.61 C90_270=0.61
Maximum s/h(1/4): C0_180=0.61 C90_270=0.61
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 78.31%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.068%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2351.895	0.000	0	.000%	.000%
1.0	2349.749	2.250	2.25	.177%	.226%
2.0	2338.613	6.729	8.979	.530%	.903%
3.0	2321.095	11.144	20.123	.878%	2.025%
4.0	2294.761	15.451	35.574	1.218%	3.580%
5.0	2257.523	19.584	55.158	1.543%	5.550%
6.0	2217.500	23.517	78.675	1.853%	7.917%
7.0	2164.368	27.198	105.873	2.143%	10.653%
8.0	2108.510	30.580	136.454	2.410%	13.731%
9.0	2045.111	33.663	170.116	2.653%	17.118%
10.0	1970.924	36.344	206.46	2.864%	20.775%
11.0	1896.563	38.644	245.104	3.045%	24.664%
12.0	1815.821	40.582	285.686	3.198%	28.747%
13.0	1729.395	42.073	327.759	3.315%	32.981%
14.0	1638.444	43.108	370.867	3.397%	37.318%
15.0	1548.712	43.755	414.621	3.448%	41.721%
16.0	1445.870	43.879	458.5	3.458%	46.136%
17.0	1350.453	43.546	502.047	3.432%	50.518%
18.0	1237.055	42.662	544.709	3.362%	54.811%
19.0	1125.652	41.106	585.815	3.239%	58.947%
20.0	1039.139	39.622	625.437	3.122%	62.934%
21.0	930.602	37.823	663.26	2.981%	66.740%
22.0	864.210	36.068	699.327	2.842%	70.370%
23.0	772.627	34.345	733.673	2.706%	73.826%
24.0	686.729	31.907	765.579	2.514%	77.036%
25.0	608.620	29.453	795.033	2.321%	80.000%
26.0	529.648	26.869	821.902	2.117%	82.704%
27.0	457.259	24.145	846.047	1.903%	85.133%
28.0	379.777	21.192	867.239	1.670%	87.266%
29.0	316.076	18.205	885.444	1.435%	89.098%
30.0	257.307	15.481	900.925	1.220%	90.655%
31.0	205.555	12.881	913.806	1.015%	91.951%
32.0	164.395	10.599	924.405	.835%	93.018%
33.0	131.211	8.709	933.113	.686%	93.894%
34.0	85.823	6.568	939.682	.518%	94.555%
35.0	67.876	4.773	944.455	.376%	95.035%
36.0	57.262	3.984	948.439	.314%	95.436%
37.0	49.623	3.486	951.925	.275%	95.787%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	43.265	3.100	955.026	.244%	96.099%
39.0	38.532	2.792	957.818	.220%	96.380%
40.0	33.445	2.510	960.328	.198%	96.633%
41.0	29.292	2.234	962.562	.176%	96.858%
42.0	26.119	2.013	964.575	.159%	97.060%
43.0	23.190	1.827	966.402	.144%	97.244%
44.0	20.870	1.663	968.065	.131%	97.411%
45.0	18.985	1.532	969.596	.121%	97.565%
46.0	17.419	1.424	971.02	.112%	97.709%
47.0	16.079	1.332	972.352	.105%	97.843%
48.0	14.936	1.254	973.606	.099%	97.969%
49.0	13.950	1.186	974.792	.093%	98.088%
50.0	13.034	1.125	975.917	.089%	98.201%
51.0	12.216	1.068	976.986	.084%	98.309%
52.0	11.467	1.016	978.002	.080%	98.411%
53.0	10.806	0.969	978.971	.076%	98.509%
54.0	10.128	0.923	979.893	.073%	98.601%
55.0	9.507	0.876	980.77	.069%	98.690%
56.0	8.927	0.833	981.603	.066%	98.773%
57.0	8.399	0.792	982.395	.062%	98.853%
58.0	7.848	0.751	983.146	.059%	98.929%
59.0	7.338	0.710	983.856	.056%	99.000%
60.0	6.949	0.675	984.531	.053%	99.068%
61.0	6.549	0.644	985.175	.051%	99.133%
62.0	6.137	0.611	985.787	.048%	99.194%
63.0	5.679	0.575	986.361	.045%	99.252%
64.0	5.336	0.541	986.902	.043%	99.307%
65.0	5.029	0.513	987.415	.040%	99.358%
66.0	4.698	0.485	987.9	.038%	99.407%
67.0	4.362	0.456	988.356	.036%	99.453%
68.0	4.083	0.428	988.784	.034%	99.496%
69.0	3.840	0.404	989.188	.032%	99.537%
70.0	3.585	0.381	989.569	.030%	99.575%
71.0	3.329	0.357	989.926	.028%	99.611%
72.0	3.103	0.334	990.261	.026%	99.645%
73.0	2.912	0.315	990.575	.025%	99.676%
74.0	2.715	0.296	990.871	.023%	99.706%
75.0	2.512	0.276	991.147	.022%	99.734%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	2.332	0.257	991.404	.020%	99.760%
77.0	2.193	0.241	991.646	.019%	99.784%
78.0	2.036	0.226	991.872	.018%	99.807%
79.0	1.874	0.210	992.082	.017%	99.828%
80.0	1.740	0.195	992.277	.015%	99.848%
81.0	1.630	0.182	992.459	.014%	99.866%
82.0	1.537	0.172	992.631	.014%	99.883%
83.0	1.572	0.169	992.8	.013%	99.900%
84.0	1.526	0.169	992.969	.013%	99.917%
85.0	1.566	0.169	993.137	.013%	99.934%
86.0	1.456	0.165	993.303	.013%	99.951%
87.0	1.328	0.152	993.455	.012%	99.966%
88.0	1.154	0.136	993.591	.011%	99.980%
89.0	0.922	0.114	993.705	.009%	99.991%
90.0	0.667	0.087	993.792	.007%	100.000%

Zonal flux distribution table

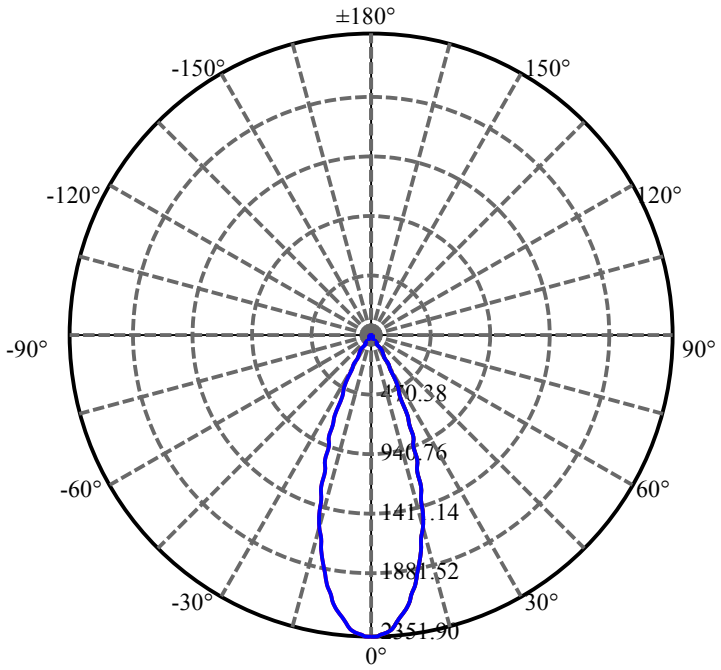
ZONAL LUMEN SUMMARY

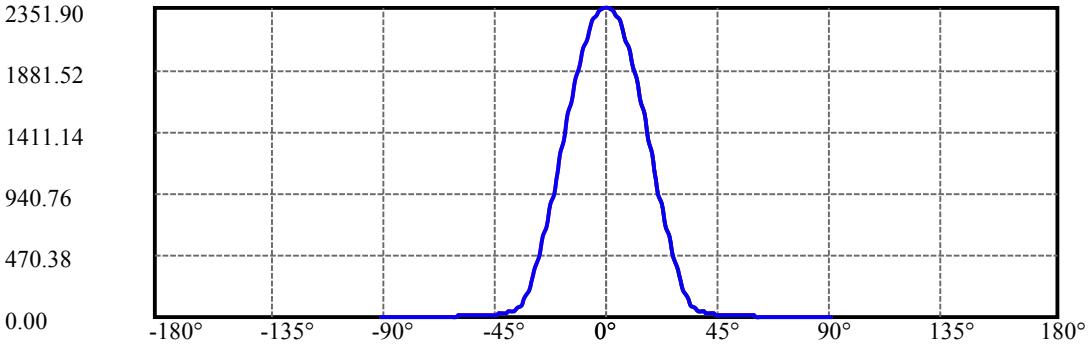
Zone	Lumens	%Lamp	%Fixt
0-30	900.93	70.99%	90.66%
0-40	960.33	75.68%	96.63%
0-60	984.53	77.58%	99.07%
0-90	993.70	78.31%	99.99%
0-120	993.70	78.31%	99.99%
0-180	993.79	78.31%	100.00%
60-90	9.85	0.78%	0.99%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.00	795.03	62.65%	80.00%

ZONAL LUMEN SUMMARY

0-10	206.46
10-20	418.98
20-30	275.49
30-40	59.40
40-50	15.59
50-60	8.61
60-70	5.04
70-80	2.71
80-90	1.43
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):

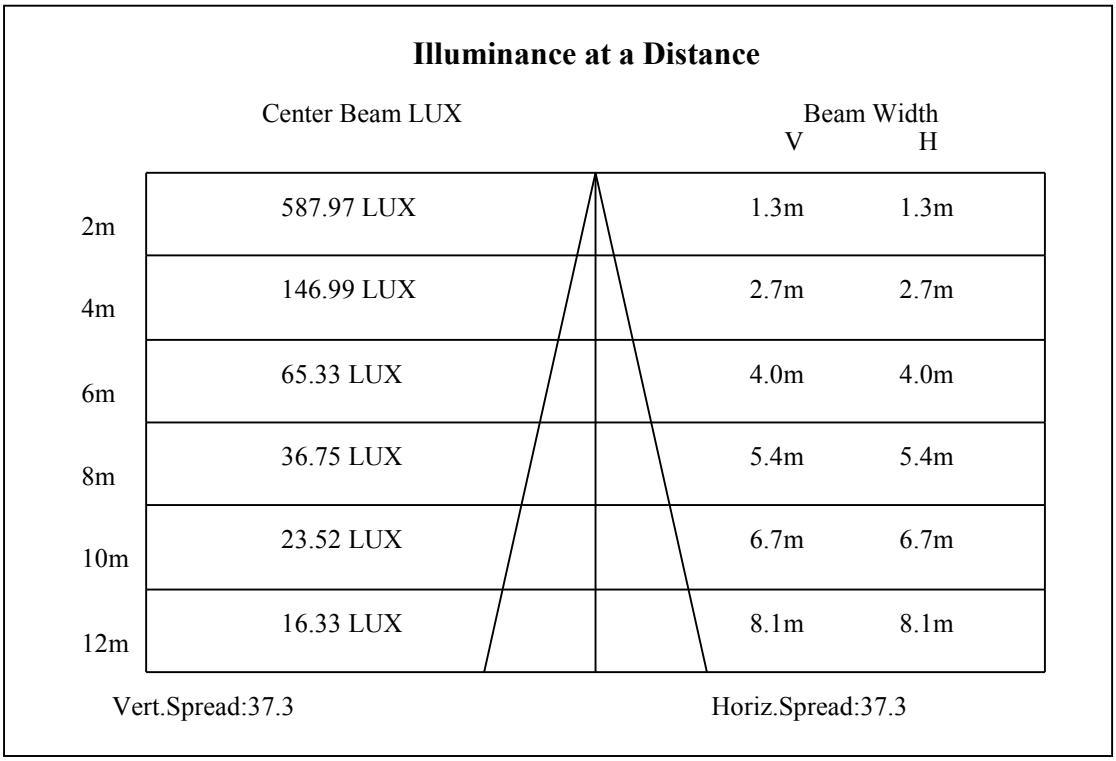
C0/C180:

C90/C270:

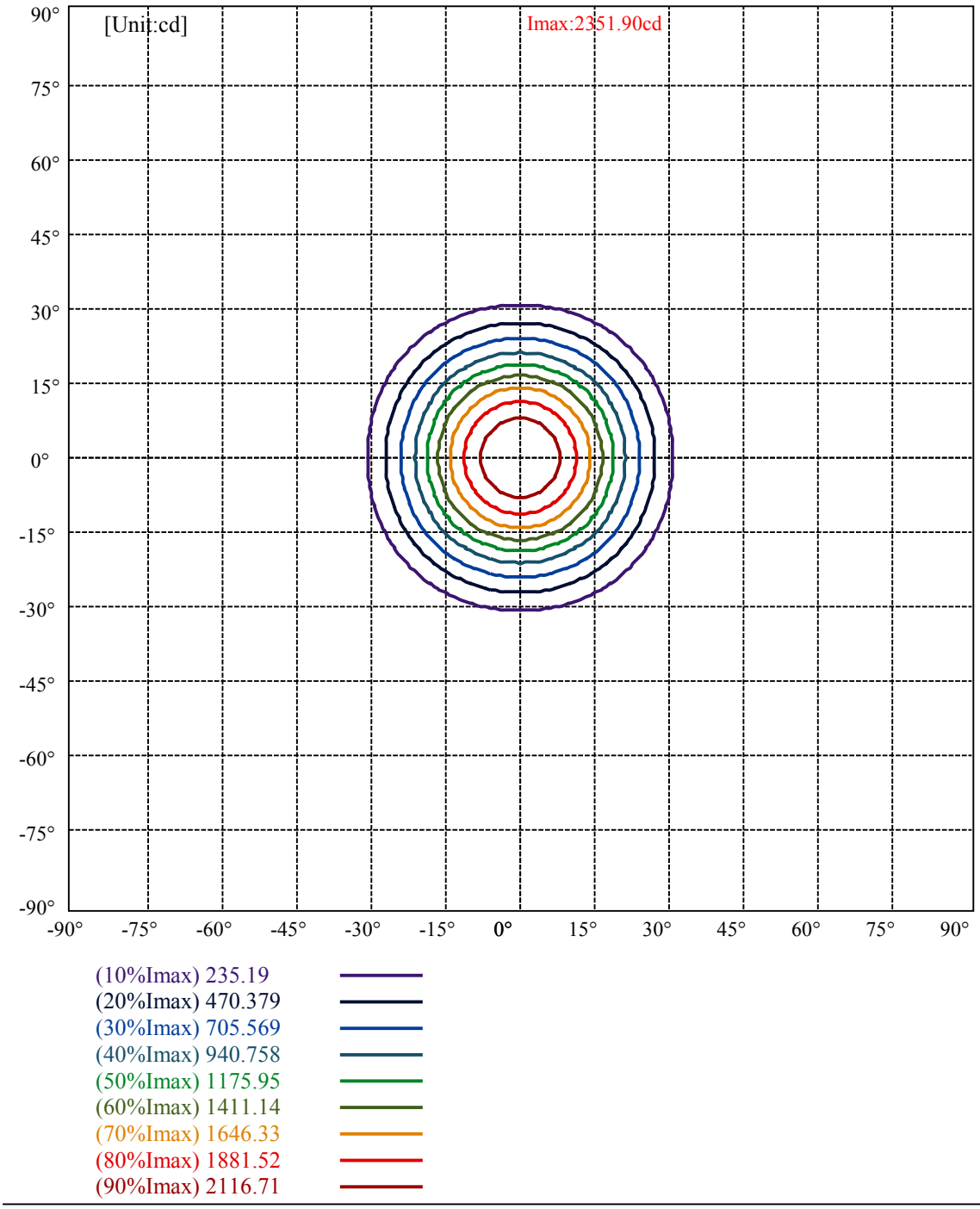
Field angle(10%Imax):C0/180Left:30.4 Right:30.4
:C90/270Left:30.4 Right:30.4

Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5
:C90/270Left:18.5 Right:18.5

Lux distance Curve



ISO-Intensity(V-H)



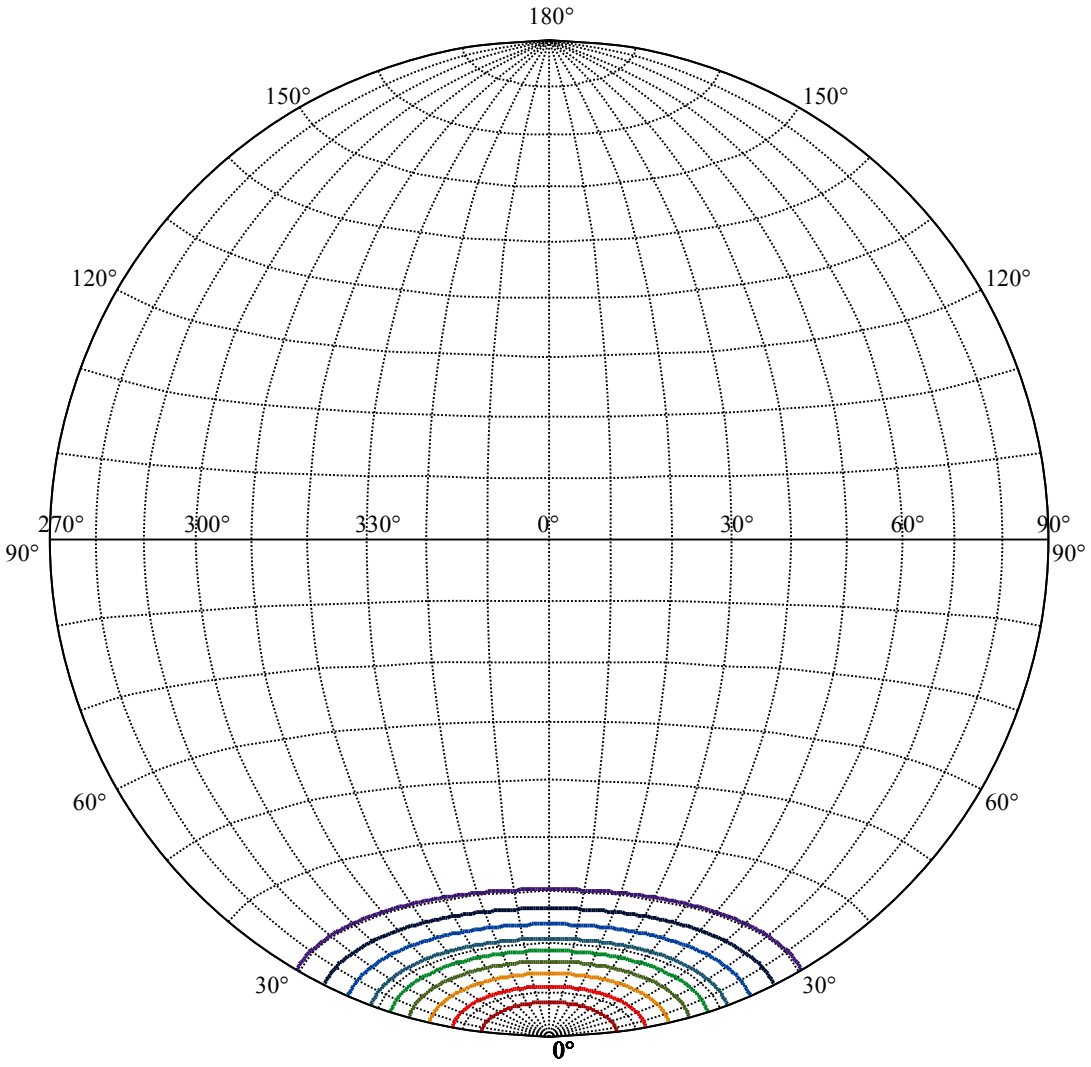
(10%Imax) 235.19
(20%Imax) 470.379
(30%Imax) 705.569
(40%Imax) 940.758
(50%Imax) 1175.95
(60%Imax) 1411.14
(70%Imax) 1646.33
(80%Imax) 1881.52
(90%Imax) 2116.71

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2020/9/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:2351.90

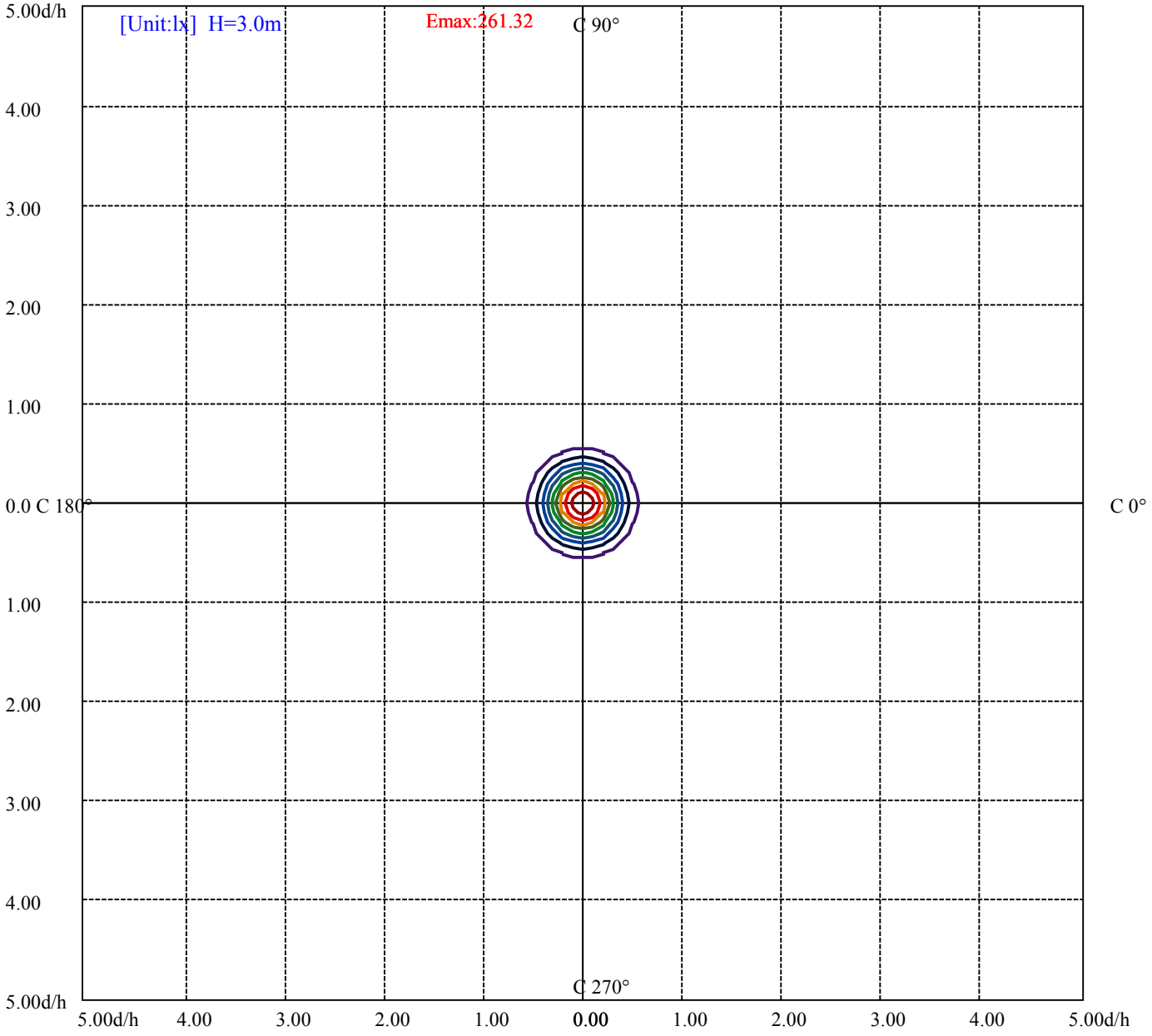
(10%Imax) 235.19
(20%Imax) 470.379
(30%Imax) 705.569
(40%Imax) 940.758
(50%Imax) 1175.95
(60%Imax) 1411.14
(70%Imax) 1646.33
(80%Imax) 1881.52
(90%Imax) 2116.71

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2020/9/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

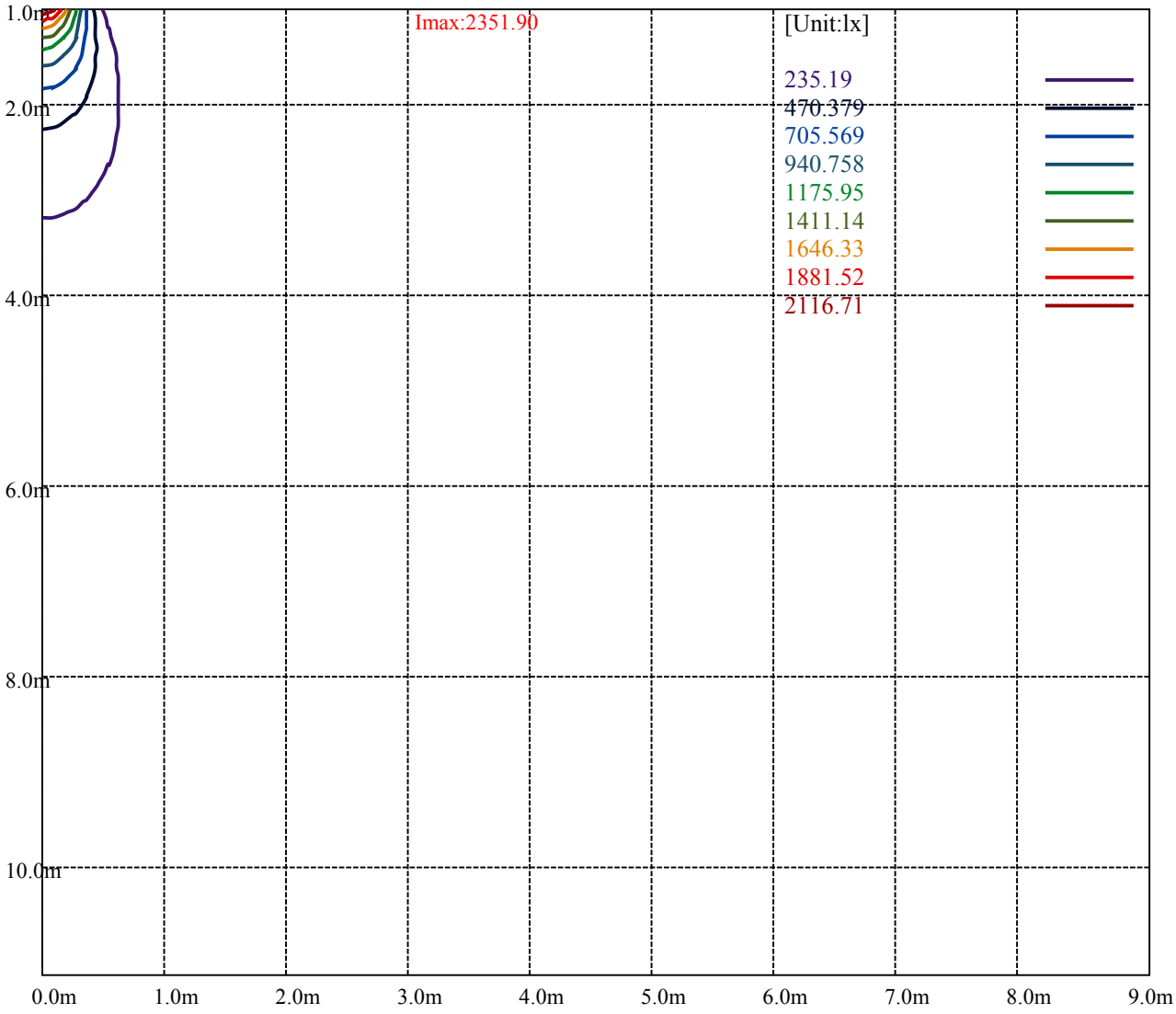
ISO illuminance diagram



(10%Emax) 26.13211
(20%Emax) 52.26433
(30%Emax) 78.39645
(40%Emax) 104.5287
(50%Emax) 130.6611
(60%Emax) 156.7933
(70%Emax) 182.9256
(80%Emax) 209.0578
(90%Emax) 235.19

Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2020/9/22
Humidity(%): 60.0%
Operator: NT07
Distance(m): 6.81

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2020/9/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

Luminance Limitting Curve(no luminous side)

Luminance Table

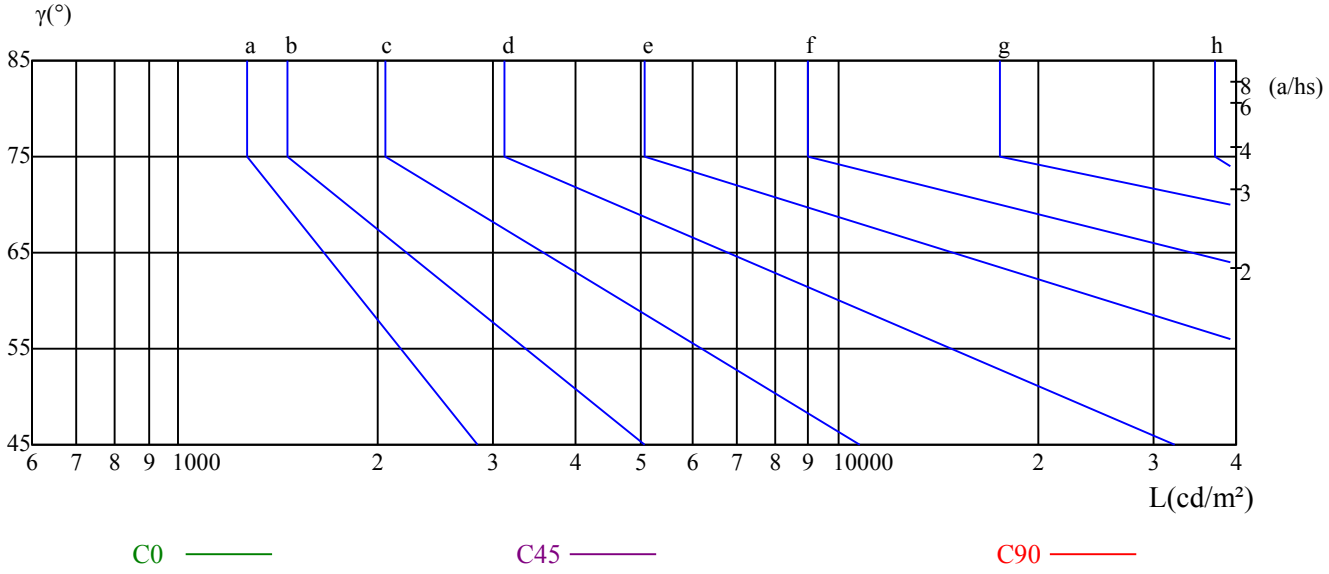
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

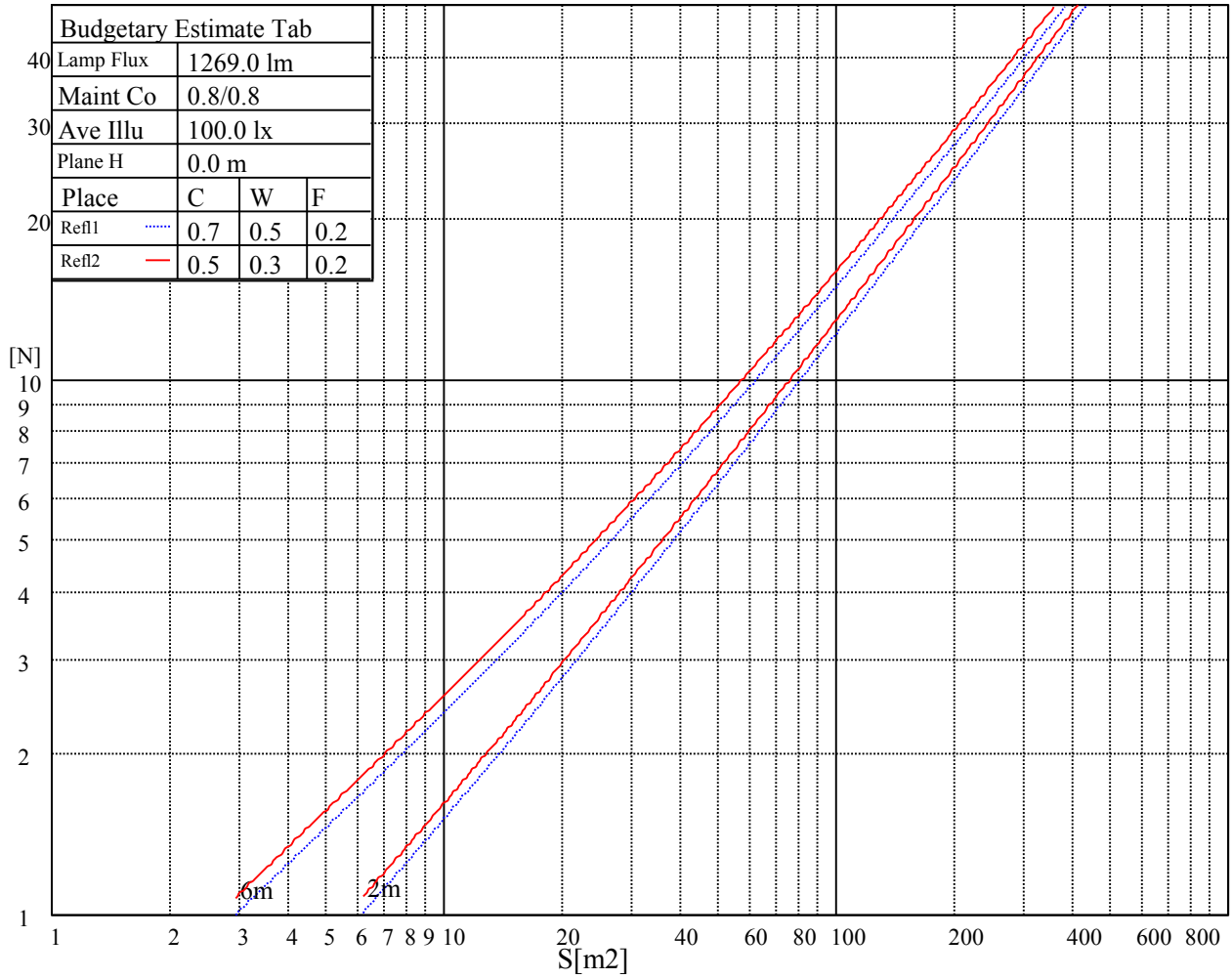
Luminance Limitting Curve



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

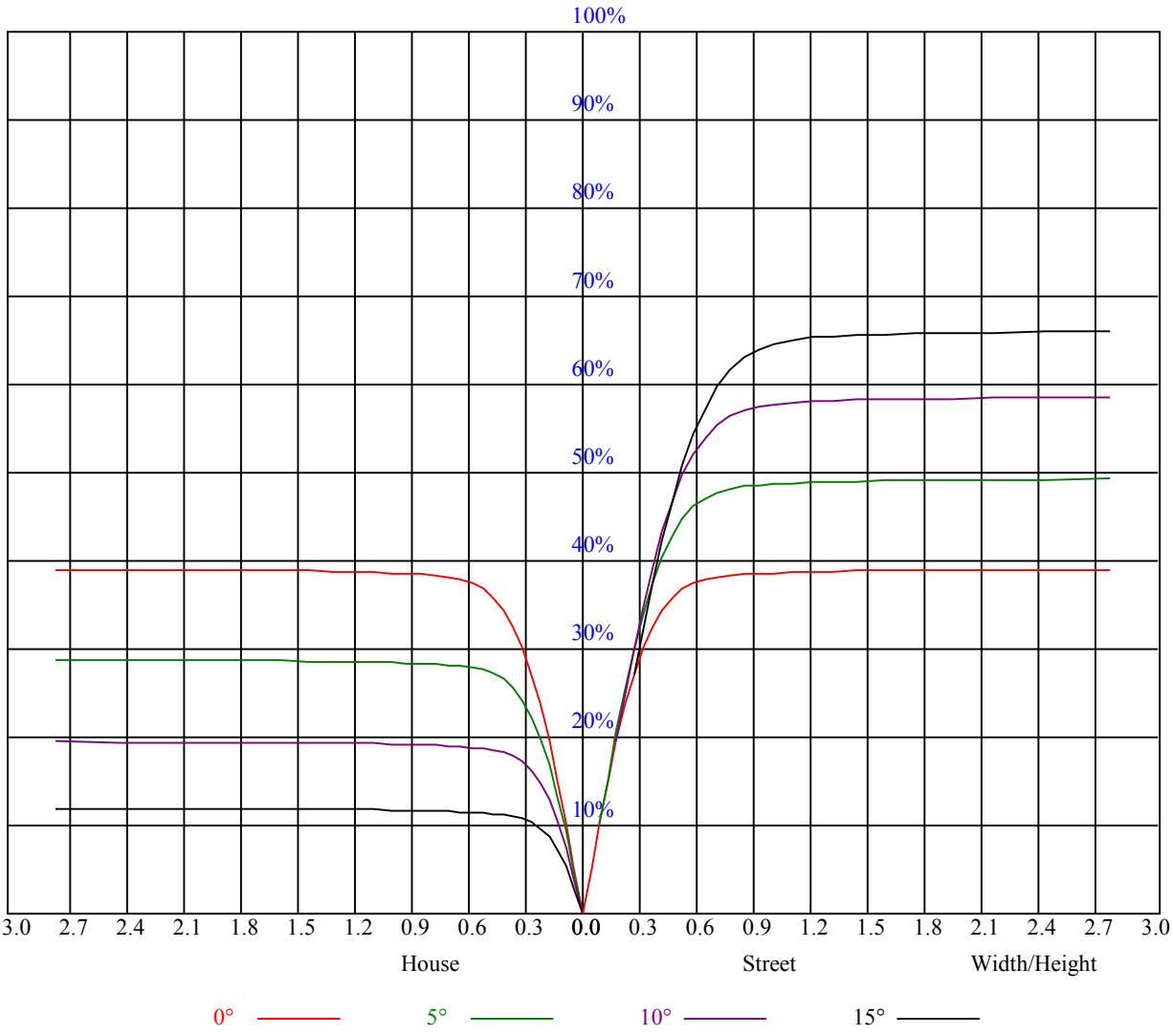


Equipment: GMS 1800	Date: 2020/9/22	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 6.81

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	0.93	0.93	0.93	0.91	0.91	0.91	0.87	0.87	0.87	0.83	0.83	0.83	0.80	0.80	0.80	0.78
1	0.88	0.86	0.84	0.86	0.84	0.83	0.83	0.82	0.80	0.80	0.79	0.78	0.77	0.77	0.76	0.74
2	0.83	0.80	0.78	0.81	0.79	0.77	0.79	0.77	0.75	0.77	0.75	0.74	0.74	0.73	0.72	0.71
3	0.78	0.75	0.72	0.77	0.74	0.72	0.75	0.73	0.71	0.73	0.71	0.70	0.72	0.70	0.69	0.67
4	0.74	0.71	0.68	0.74	0.70	0.68	0.72	0.69	0.67	0.70	0.68	0.66	0.69	0.67	0.65	0.64
5	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.67	0.64	0.62	0.61
6	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.62	0.60	0.64	0.62	0.60	0.59
7	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.62	0.59	0.57	0.56
8	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.57	0.55	0.53	0.52
10	0.57	0.54	0.51	0.57	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.55	0.53	0.51	0.50

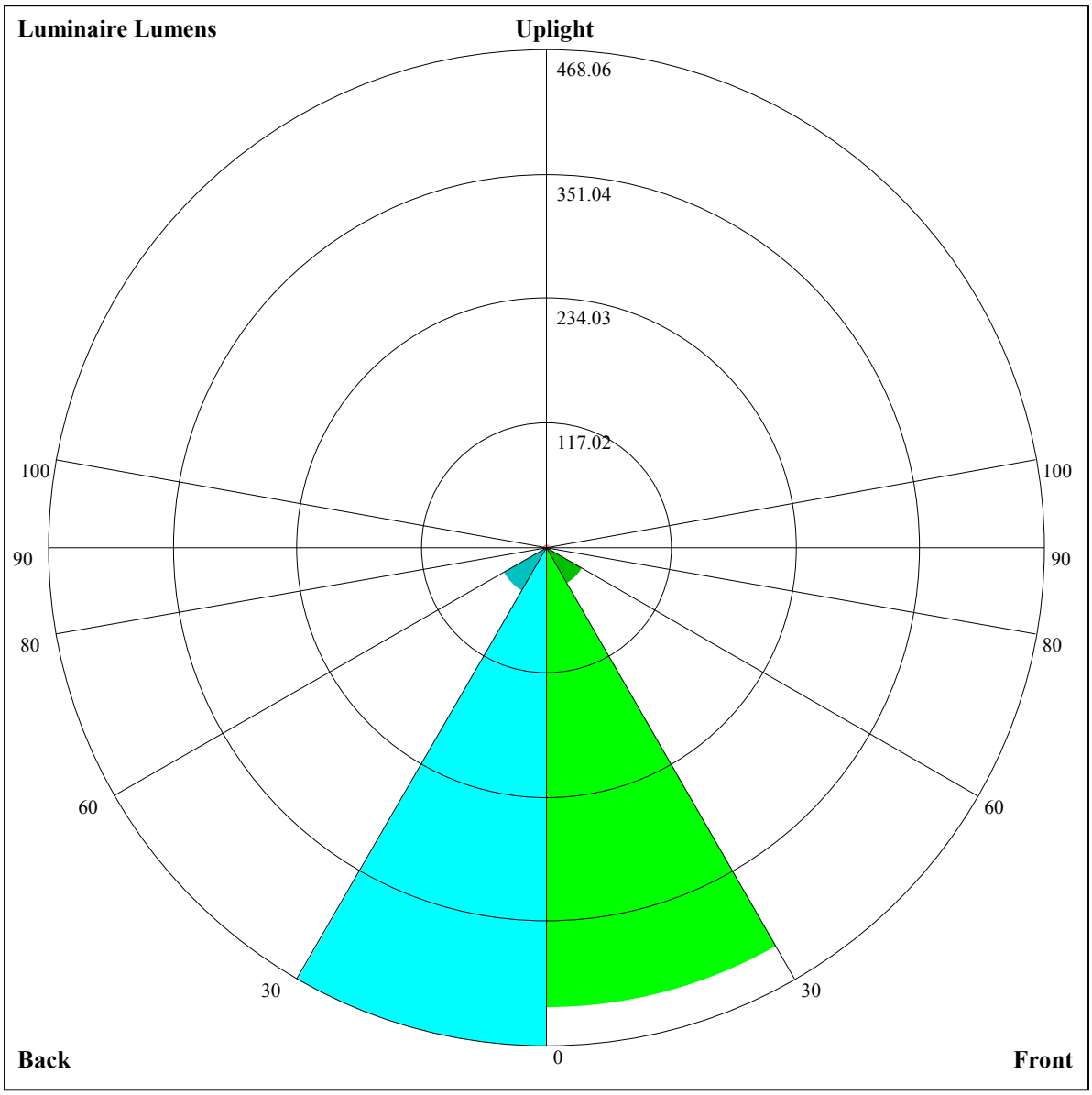
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2020/9/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81



Luminaire Lumens:
FL=433.19,FM=38.73,FH=3.72,FVH=0.61
BL=468.06,BM=47.26,BH=4.03,BVH=0.79
UL=0.73,UH=3.46

BUG Rating:B1-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	2357.52	2339.89	2316.69	2295.34	2255.43	2208.10	2154.74	2089.77	2022.95
45.0	2355.67	2353.81	2337.10	2317.62	2290.24	2244.30	2200.68	2144.99	2081.42
90.0	2343.14	2330.61	2309.26	2274.46	2232.70	2183.51	2124.58	2056.83	1989.08
135.0	2350.56	2350.56	2340.82	2322.26	2292.09	2256.36	2222.49	2163.09	2119.47
180.0	2357.52	2358.45	2362.63	2346.85	2333.86	2309.26	2282.35	2246.15	2196.97
225.0	2357.06	2360.77	2345.46	2336.18	2314.83	2286.99	2253.11	2205.78	2156.60
270.0	2343.14	2352.88	2357.99	2355.67	2343.14	2319.94	2293.95	2253.58	2205.78
315.0	2350.56	2351.03	2338.96	2320.40	2295.81	2251.72	2208.10	2154.74	2095.81
360.0	2357.52	2339.89	2316.69	2295.34	2255.43	2208.10	2154.74	2089.77	2022.95

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1948.24	1866.57	1779.80	1688.85	1589.08	1487.92	1383.05	1281.89	1174.24
45.0	2015.53	1937.11	1859.61	1775.62	1686.07	1587.23	1486.07	1384.91	1282.36
90.0	1918.08	1838.27	1747.32	1668.43	1574.23	1477.71	1378.41	1274.93	1169.13
135.0	2049.87	1967.27	1907.87	1826.20	1740.82	1661.47	1569.59	1474.93	1374.24
180.0	2147.31	2084.67	2019.71	1941.75	1865.65	1779.34	1699.52	1609.04	1517.62
225.0	2097.20	2026.67	1955.67	1879.57	1796.97	1710.20	1617.85	1520.87	1421.57
270.0	2153.81	2089.77	2024.35	1952.42	1874.46	1794.65	1705.55	1612.28	1517.62
315.0	2030.84	1957.06	1878.18	1793.72	1707.88	1609.04	1549.64	1408.11	1346.86
360.0	1948.24	1866.57	1779.80	1688.85	1589.08	1487.92	1383.05	1281.89	1174.24

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1026.67	908.35	908.35	811.27	726.31	646.82	563.71	482.13	406.91
45.0	1177.02	1074.47	990.48	868.44	790.94	714.38	637.35	555.22	474.01
90.0	1023.89	884.87	884.87	789.37	705.98	627.93	545.33	467.37	391.32
135.0	1267.97	1164.03	1061.48	958.93	859.16	770.06	687.47	609.97	530.62
180.0	1417.85	1314.37	1251.27	1104.17	1037.81	938.97	803.94	749.18	669.37
225.0	1317.62	1211.82	1105.10	907.79	907.79	829.55	738.56	660.09	582.55
270.0	1422.49	1313.45	1216.46	1109.74	1048.48	905.10	845.24	753.36	673.54
315.0	1242.91	1133.87	895.12	895.12	837.21	748.21	672.25	591.64	508.86
360.0	1026.67	908.35	908.35	811.27	726.31	646.82	563.71	482.13	406.91

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	335.17	269.46	210.16	158.61	116.98	88.86	71.93	61.53	53.04
45.0	397.44	324.13	257.31	244.78	181.85	106.82	81.35	72.20	57.45
90.0	320.88	255.31	199.21	148.44	106.63	80.32	66.40	56.70	48.91
135.0	484.22	381.67	339.44	270.30	246.17	234.10	110.90	80.88	65.75
180.0	590.95	509.74	432.71	358.93	290.72	252.67	252.67	121.81	88.12
225.0	504.03	428.12	355.82	287.33	224.73	171.51	128.12	94.06	74.57
270.0	596.98	513.92	436.42	364.50	296.75	246.17	246.17	123.80	90.90
315.0	428.40	355.87	297.54	225.57	180.60	134.71	92.16	75.59	64.27
360.0	335.17	269.46	210.16	158.61	116.98	88.86	71.93	61.53	53.04

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	46.17	40.28	36.15	31.74	27.15	24.69	22.04	19.86	18.14
45.0	49.61	45.66	39.67	34.66	30.35	26.64	23.57	21.16	19.12
90.0	44.87	36.98	32.34	29.93	26.36	23.57	21.16	19.21	17.63
135.0	56.43	48.86	42.88	37.40	32.67	28.63	25.29	22.37	20.51
180.0	69.05	59.58	51.46	44.45	39.49	33.32	29.70	26.03	23.06
225.0	63.80	54.57	46.96	42.83	34.80	31.88	27.80	24.59	22.04
270.0	72.67	62.46	53.97	49.61	43.53	36.15	33.41	29.28	25.89
315.0	55.50	48.58	42.69	37.63	33.22	29.47	25.99	23.02	20.56
360.0	46.17	40.28	36.15	31.74	27.15	24.69	22.04	19.86	18.14

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	16.75	15.50	14.39	13.41	12.62	11.79	11.00	10.30	9.70
45.0	17.63	16.24	15.08	14.15	13.18	12.34	11.60	10.90	10.21
90.0	16.38	15.17	14.15	13.27	12.39	11.60	10.86	10.26	9.65
135.0	18.61	17.17	15.96	14.85	13.92	13.13	12.34	11.55	10.95
180.0	20.88	19.21	17.73	16.38	15.31	14.29	13.36	12.53	11.83
225.0	20.05	18.47	17.08	15.78	14.62	13.64	12.85	12.02	11.18
270.0	23.06	20.60	18.61	17.08	15.87	14.76	13.78	12.95	12.16
315.0	18.51	16.98	15.64	14.57	13.69	12.71	11.93	11.23	10.77
360.0	16.75	15.50	14.39	13.41	12.62	11.79	11.00	10.30	9.70

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	9.10	8.45	7.98	7.52	6.96	6.50	6.26	5.80	5.52
45.0	9.56	9.05	8.45	7.89	7.52	7.01	6.45	6.17	5.71
90.0	9.00	8.45	7.93	7.56	6.96	6.50	6.22	5.85	5.43
135.0	10.26	9.56	9.00	8.49	7.93	7.42	7.01	6.50	6.08
180.0	11.09	10.44	9.79	9.23	8.68	8.07	7.66	7.33	6.91
225.0	10.53	9.88	9.33	8.68	8.12	7.66	7.33	6.91	6.45
270.0	11.32	10.67	10.02	9.47	8.77	8.26	7.89	7.47	6.96
315.0	10.16	9.56	8.91	8.35	7.84	7.29	6.77	6.36	6.03
360.0	9.10	8.45	7.98	7.52	6.96	6.50	6.26	5.80	5.52

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5.15	4.73	4.50	4.27	3.94	3.67	3.48	3.25	3.02
45.0	5.34	5.01	4.69	4.36	4.04	3.85	3.53	3.29	3.11
90.0	5.01	4.73	4.45	4.08	3.81	3.57	3.34	3.06	2.83
135.0	5.66	5.34	5.06	4.78	4.32	4.13	3.90	3.67	3.39
180.0	6.26	6.08	5.71	5.34	5.01	4.69	4.41	4.18	3.90
225.0	6.03	5.61	5.29	4.92	4.64	4.27	3.99	3.76	3.48
270.0	6.45	6.03	5.66	5.29	4.92	4.59	4.36	4.04	3.71
315.0	5.52	5.15	4.87	4.55	4.22	3.90	3.71	3.43	3.20
360.0	5.15	4.73	4.50	4.27	3.94	3.67	3.48	3.25	3.02

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.83	2.69	2.51	2.32	2.18	2.09	2.00	1.90	1.90
45.0	2.88	2.64	2.46	2.27	2.09	2.04	1.76	1.62	1.48
90.0	2.69	2.51	2.27	2.04	1.95	1.76	1.58	1.48	1.30
135.0	3.16	2.92	2.74	2.55	2.37	2.18	2.04	1.81	1.72
180.0	3.62	3.43	3.25	3.06	2.88	2.78	2.64	2.51	2.41
225.0	3.20	3.02	2.83	2.60	2.41	2.18	2.09	1.86	1.67
270.0	3.48	3.29	3.02	2.78	2.60	2.46	2.23	2.04	1.90
315.0	2.97	2.78	2.64	2.46	2.18	2.04	1.95	1.76	1.53
360.0	2.83	2.69	2.51	2.32	2.18	2.09	2.00	1.90	1.90

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.00	2.32	2.64	2.88	3.16	2.64	1.81	1.16	1.16
45.0	1.21	1.11	1.07	0.84	0.74	0.60	0.46	0.42	0.37
90.0	1.21	1.02	0.93	0.79	0.70	0.60	0.46	0.37	0.28
135.0	1.58	1.44	1.25	1.11	0.97	0.84	0.79	0.65	0.51
180.0	2.37	2.27	2.97	3.34	3.99	4.50	5.01	4.92	3.57
225.0	1.58	1.44	1.25	1.07	1.02	0.84	0.70	0.60	0.51
270.0	1.72	1.48	1.35	1.21	1.02	0.88	0.74	0.60	0.51
315.0	1.39	1.21	1.11	0.97	0.93	0.74	0.65	0.51	0.46
360.0	2.00	2.32	2.64	2.88	3.16	2.64	1.81	1.16	1.16

Intensity data(cd)

C/γ(°)	90.0
0.0	1.11
45.0	0.28
90.0	0.28
135.0	0.42
180.0	1.95
225.0	0.46
270.0	0.42
315.0	0.42
360.0	1.11