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

NT

Client:
LumCAT: 1-1382-L
Luminaire: 92.70.427.00
Report No: 20231120-B003
Ballast type: AC

Test No: 20231120-C003	Voltage(V): 36.530
LampCAT: P2121-018-1203-P3090-1	Current(A): 0.399
Lamp flux(lm): 2085.4	Power (W): 14.575
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1921.37, Efficiency(%): 92.14% , Luminous Efficacy(lm/W): 131.83
Central intensity(cd): 6564.245, Maximum intensity(cd): 6564.245
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=25.8
[C90/270]Total=25.8
Field angle(10%Imax): [C0/180]Total=57.6
[C90/270]Total=57.6
Beam angle of C0 plane : 25.85
Aveage BeamAngle(IEC 61341):25.85
Maximum s/h(1/2): C0_180=0.43 C90_270=0.43
Maximum s/h(1/4): C0_180=0.46 C90_270=0.46
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.14%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.052%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6564.245	0.000	0	0.00%	0.00%
1.0	6547.155	6.274	6.274	0.30%	0.33%
2.0	6465.024	18.676	24.95	0.90%	1.30%
3.0	6326.363	30.593	55.543	1.47%	2.89%
4.0	6129.650	41.694	97.237	2.00%	5.06%
5.0	5896.542	51.736	148.973	2.48%	7.75%
6.0	5606.213	60.450	209.423	2.90%	10.90%
7.0	5305.227	67.727	277.15	3.25%	14.42%
8.0	4965.633	73.507	350.657	3.52%	18.25%
9.0	4632.128	77.785	428.441	3.73%	22.30%
10.0	4281.878	80.668	509.11	3.87%	26.50%
11.0	3948.787	82.241	591.351	3.94%	30.78%
12.0	3609.193	82.620	673.971	3.96%	35.08%
13.0	3256.176	81.475	755.445	3.91%	39.32%
14.0	2936.163	79.261	834.707	3.80%	43.44%
15.0	2631.026	76.429	911.135	3.67%	47.42%
16.0	2354.604	73.053	984.189	3.50%	51.22%
17.0	2101.153	69.388	1053.577	3.33%	54.83%
18.0	1886.312	65.745	1119.322	3.15%	58.26%
19.0	1692.921	62.271	1181.593	2.99%	61.50%
20.0	1498.180	58.406	1239.999	2.80%	64.54%
21.0	1349.244	54.676	1294.675	2.62%	67.38%
22.0	1223.695	51.704	1346.38	2.48%	70.07%
23.0	1129.580	49.378	1395.758	2.37%	72.64%
24.0	1053.939	47.740	1443.497	2.29%	75.13%
25.0	968.847	45.994	1489.491	2.21%	77.52%
26.0	891.020	43.902	1533.393	2.11%	79.81%
27.0	803.326	41.453	1574.846	1.99%	81.96%
28.0	719.624	38.558	1613.404	1.85%	83.97%
29.0	637.791	35.514	1648.918	1.70%	85.82%
30.0	552.069	32.126	1681.044	1.54%	87.49%
31.0	465.704	28.323	1709.367	1.36%	88.97%
32.0	386.652	24.419	1733.786	1.17%	90.24%
33.0	311.980	20.582	1754.368	0.99%	91.31%
34.0	256.474	17.203	1771.571	0.82%	92.20%
35.0	204.220	14.307	1785.878	0.69%	92.95%
36.0	166.289	11.797	1797.675	0.57%	93.56%
37.0	115.052	9.176	1806.851	0.44%	94.04%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	99.180	7.151	1814.002	0.34%	94.41%
39.0	87.666	6.378	1820.379	0.31%	94.74%
40.0	78.595	5.799	1826.178	0.28%	95.05%
41.0	70.403	5.306	1831.484	0.25%	95.32%
42.0	64.120	4.887	1836.371	0.23%	95.58%
43.0	58.253	4.533	1840.904	0.22%	95.81%
44.0	52.648	4.186	1845.09	0.20%	96.03%
45.0	47.576	3.852	1848.942	0.18%	96.23%
46.0	43.031	3.543	1852.485	0.17%	96.41%
47.0	38.879	3.258	1855.743	0.16%	96.58%
48.0	35.253	2.997	1858.74	0.14%	96.74%
49.0	32.223	2.771	1861.511	0.13%	96.88%
50.0	29.600	2.578	1864.088	0.12%	97.02%
51.0	27.490	2.415	1866.504	0.12%	97.14%
52.0	25.594	2.278	1868.782	0.11%	97.26%
53.0	24.065	2.160	1870.942	0.10%	97.38%
54.0	22.653	2.059	1873.001	0.10%	97.48%
55.0	21.519	1.972	1874.973	0.09%	97.59%
56.0	20.557	1.901	1876.874	0.09%	97.68%
57.0	19.692	1.840	1878.714	0.09%	97.78%
58.0	18.917	1.785	1880.5	0.09%	97.87%
59.0	18.294	1.740	1882.239	0.08%	97.96%
60.0	17.720	1.701	1883.941	0.08%	98.05%
61.0	17.215	1.667	1885.608	0.08%	98.14%
62.0	16.738	1.636	1887.244	0.08%	98.22%
63.0	16.295	1.607	1888.851	0.08%	98.31%
64.0	15.838	1.577	1890.427	0.08%	98.39%
65.0	15.437	1.548	1891.975	0.07%	98.47%
66.0	15.063	1.522	1893.497	0.07%	98.55%
67.0	14.627	1.493	1894.99	0.07%	98.63%
68.0	14.191	1.460	1896.45	0.07%	98.70%
69.0	13.811	1.429	1897.878	0.07%	98.78%
70.0	13.396	1.397	1899.275	0.07%	98.85%
71.0	12.980	1.363	1900.639	0.07%	98.92%
72.0	12.593	1.330	1901.968	0.06%	98.99%
73.0	12.219	1.298	1903.266	0.06%	99.06%
74.0	11.846	1.265	1904.531	0.06%	99.12%
75.0	11.493	1.233	1905.764	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.195	1.204	1906.968	0.06%	99.25%
77.0	10.870	1.176	1908.145	0.06%	99.31%
78.0	10.573	1.148	1909.293	0.06%	99.37%
79.0	10.303	1.122	1910.414	0.05%	99.43%
80.0	10.054	1.097	1911.512	0.05%	99.49%
81.0	9.805	1.074	1912.586	0.05%	99.54%
82.0	9.590	1.052	1913.637	0.05%	99.60%
83.0	9.369	1.031	1914.668	0.05%	99.65%
84.0	9.168	1.010	1915.678	0.05%	99.70%
85.0	8.967	0.990	1916.668	0.05%	99.76%
86.0	8.822	0.972	1917.64	0.05%	99.81%
87.0	8.663	0.957	1918.597	0.05%	99.86%
88.0	8.497	0.940	1919.537	0.05%	99.90%
89.0	8.372	0.925	1920.462	0.04%	99.95%
90.0	8.241	0.911	1921.372	0.04%	100.00%

Zonal flux distribution table

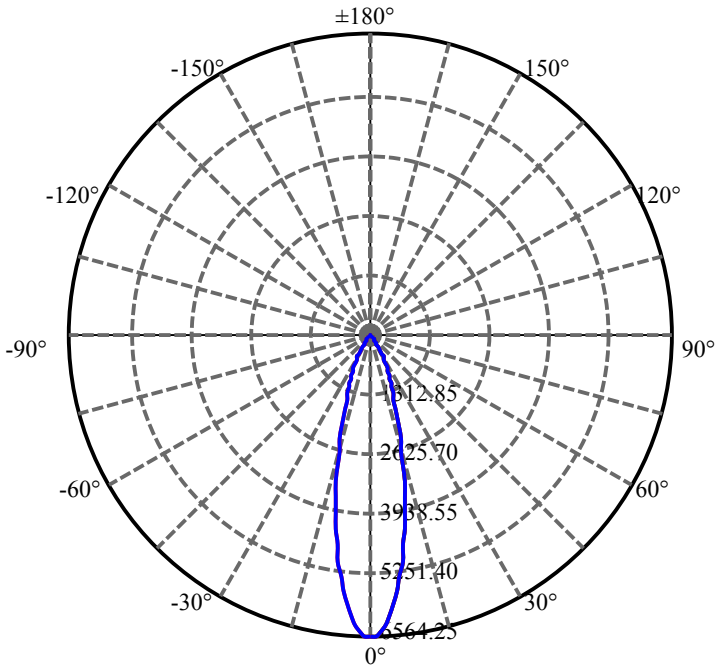
ZONAL LUMEN SUMMARY

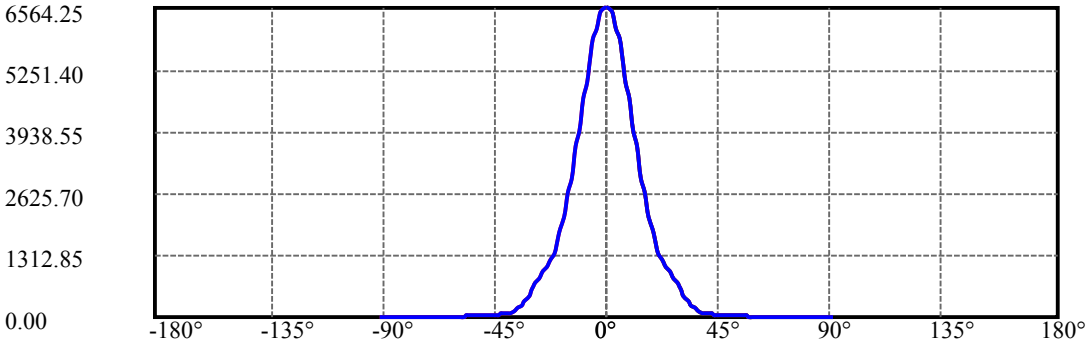
Zone	Lumens	%Lamp	%Fixt
0-30	1681.04	80.61%	87.49%
0-40	1826.18	87.57%	95.05%
0-60	1883.94	90.34%	98.05%
0-90	1920.46	92.09%	99.95%
0-120	1920.46	92.09%	99.95%
0-180	1921.37	92.14%	100.00%
60-90	36.52	1.75%	1.90%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.09	1537.10	73.71%	80.00%

ZONAL LUMEN SUMMARY

0-10	509.11
10-20	730.89
20-30	441.04
30-40	145.13
40-50	37.91
50-60	19.85
60-70	15.33
70-80	12.24
80-90	8.95
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):

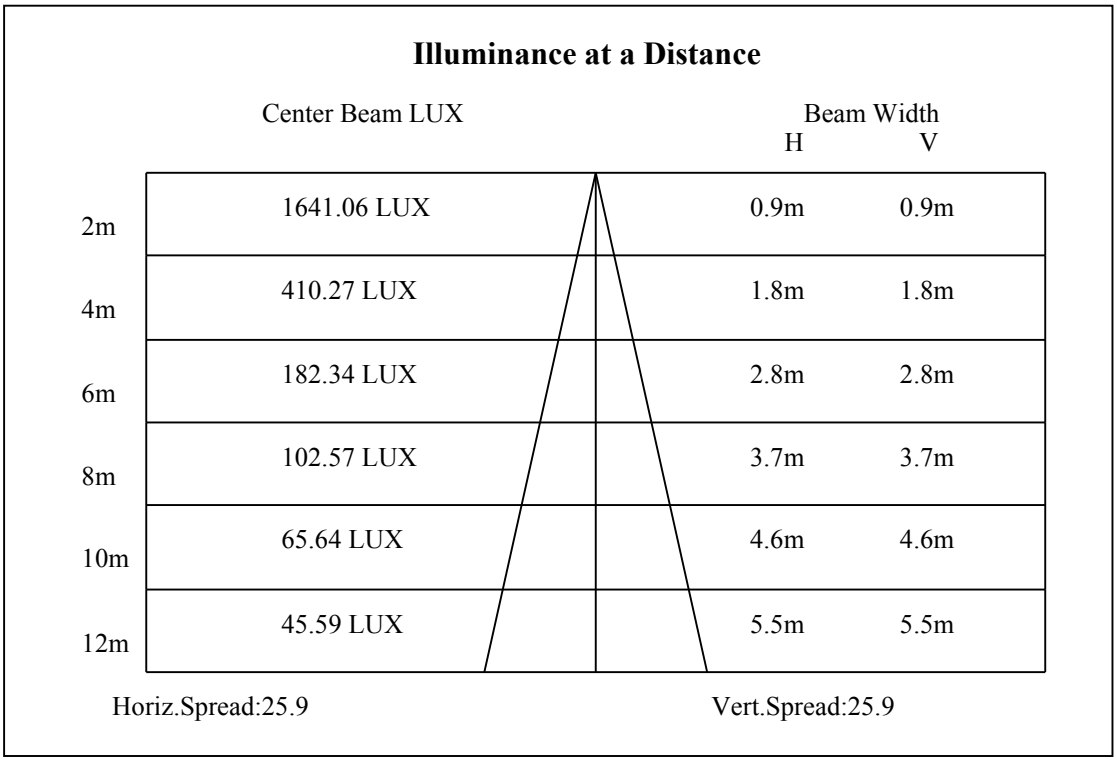
C0/C180:

C90/C270:

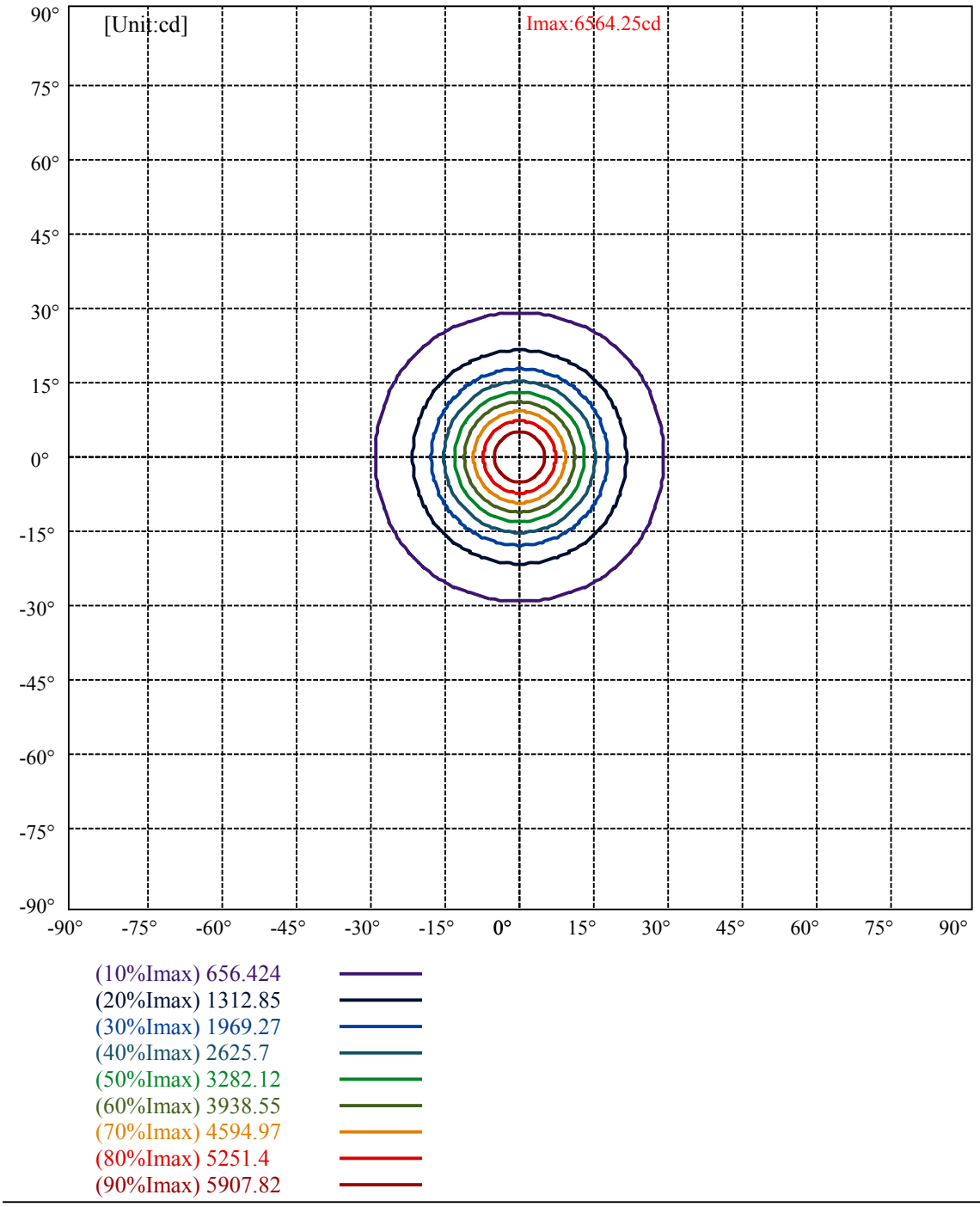
Field angle(10%Imax):C0/180Left:28.8 Right:28.8
:C90/270Left:28.8 Right:28.8

Beam Angle(50%Imax):C0/180Left:12.9 Right:12.9
:C90/270Left:12.9 Right:12.9

Lux distance Curve



ISO-Intensity(V-H)

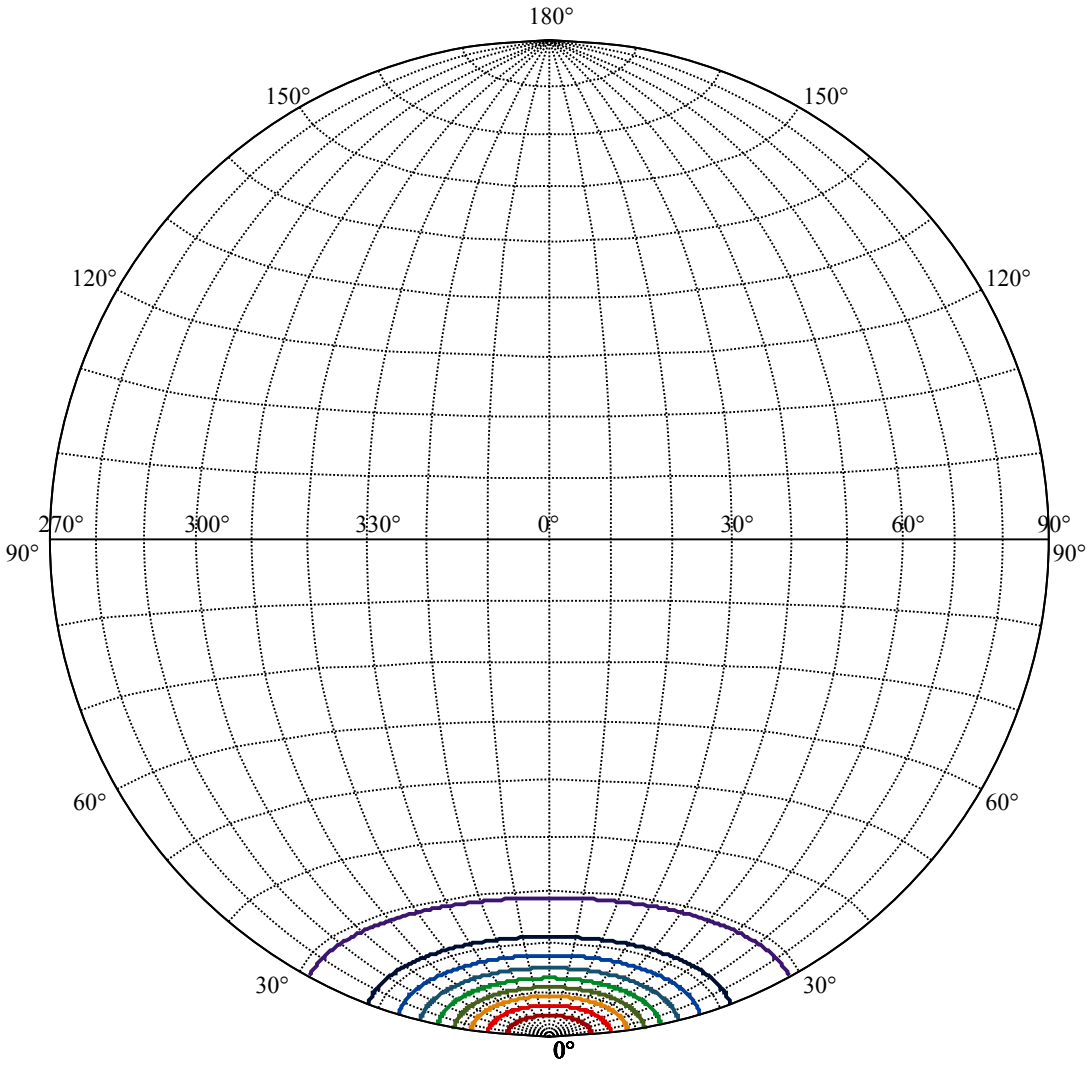


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/20
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



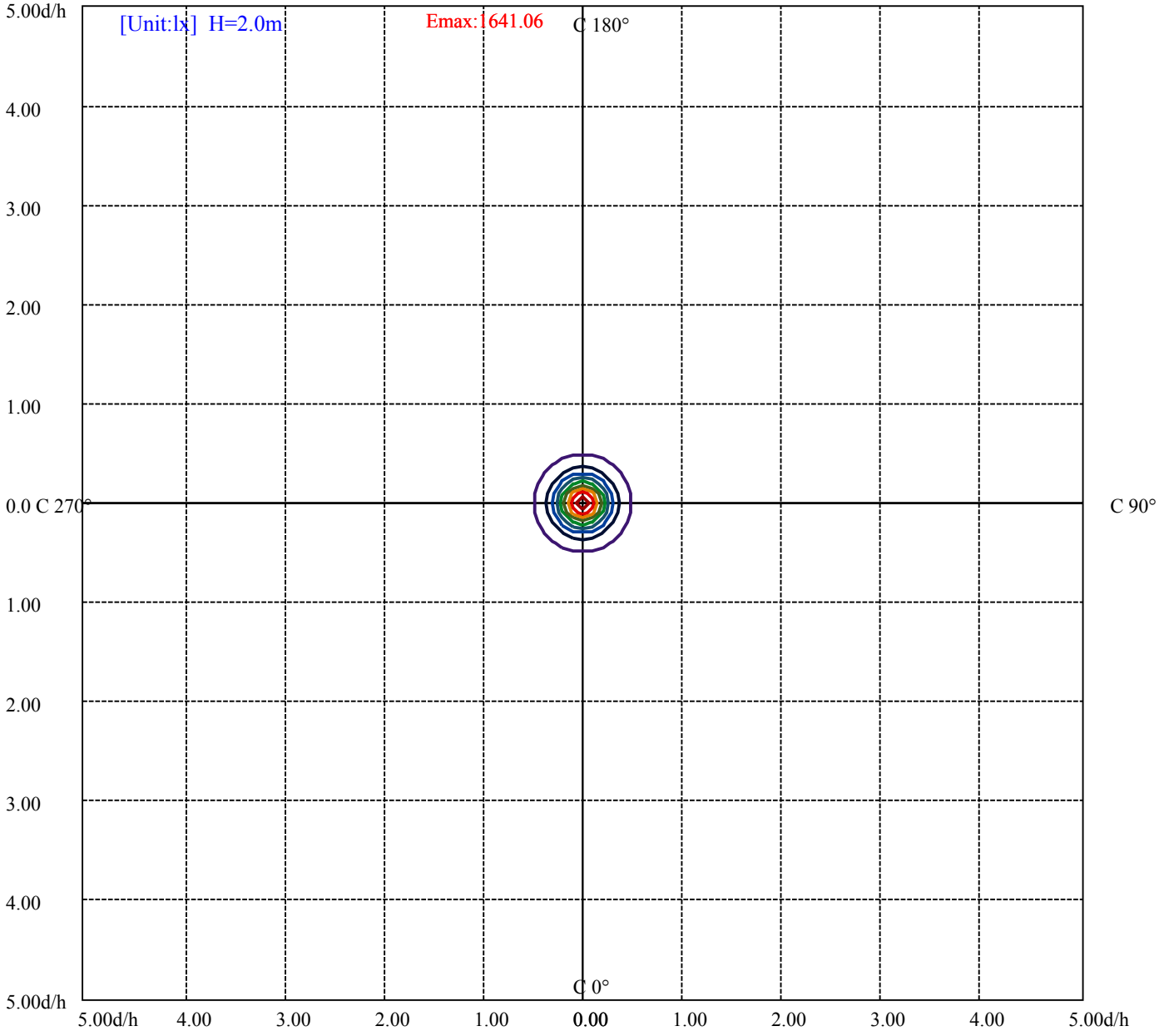
House [Unit:cd] Road

Imax:6564.25

(10%Imax) 656.424
(20%Imax) 1312.85
(30%Imax) 1969.27
(40%Imax) 2625.7
(50%Imax) 3282.12
(60%Imax) 3938.55
(70%Imax) 4594.97
(80%Imax) 5251.4
(90%Imax) 5907.82

NT 1-1382-L

ISO illuminance diagram

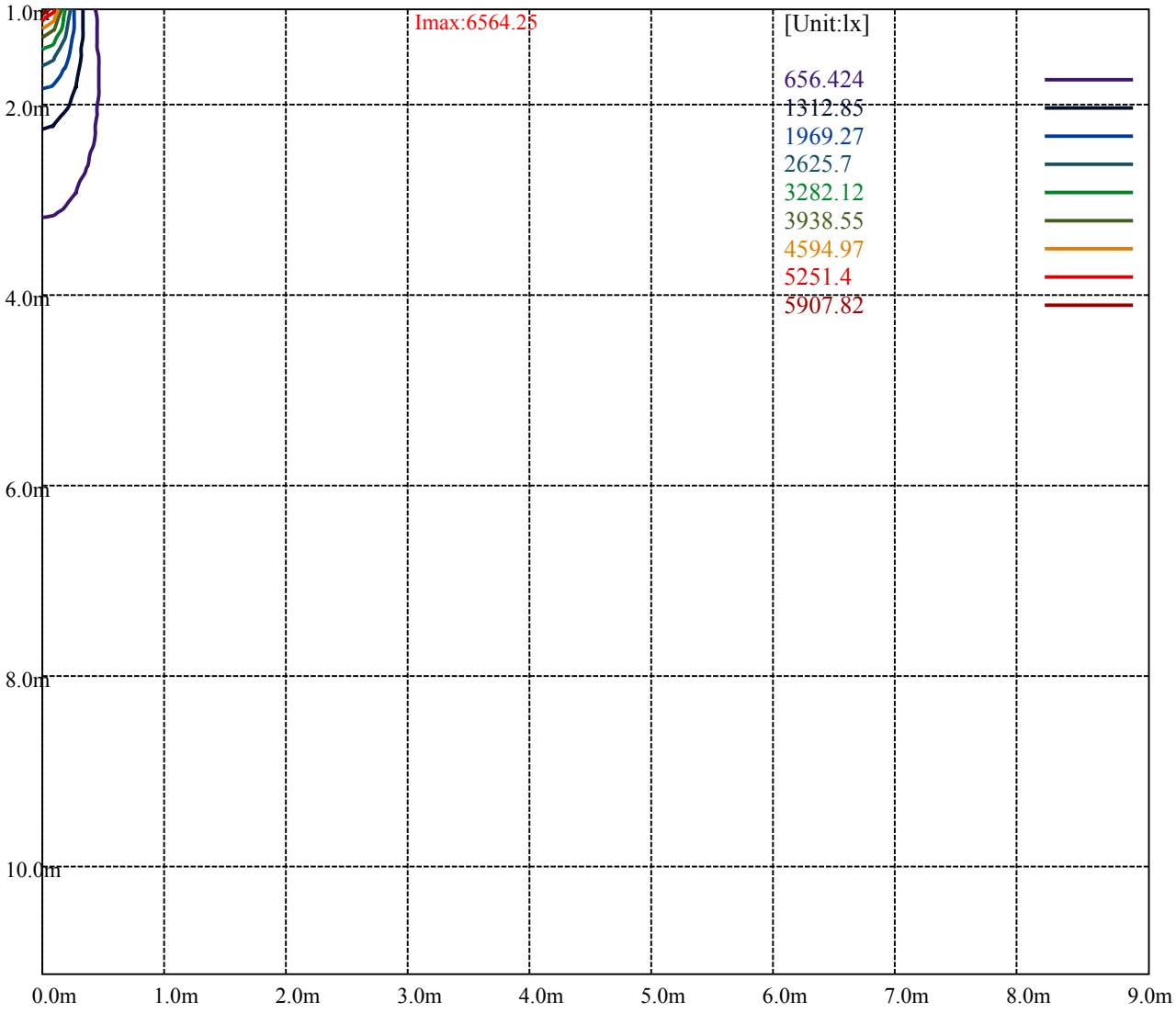


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/20
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/20
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1382-L

Luminance Limitting Curve(no luminous side)

Luminance Table

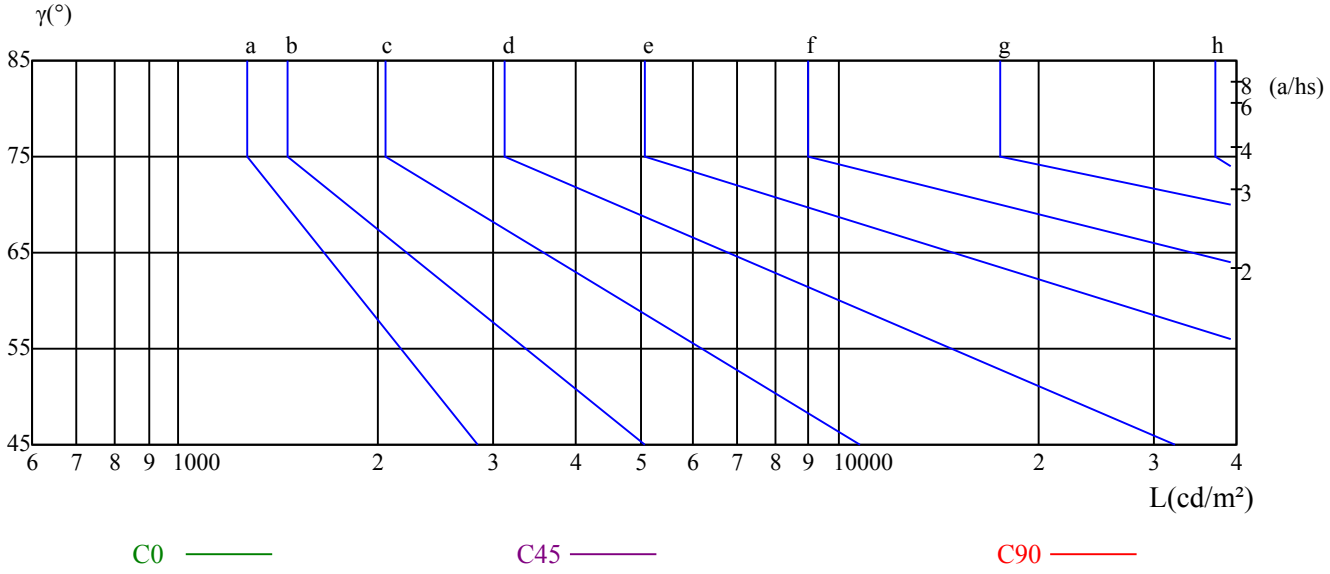
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

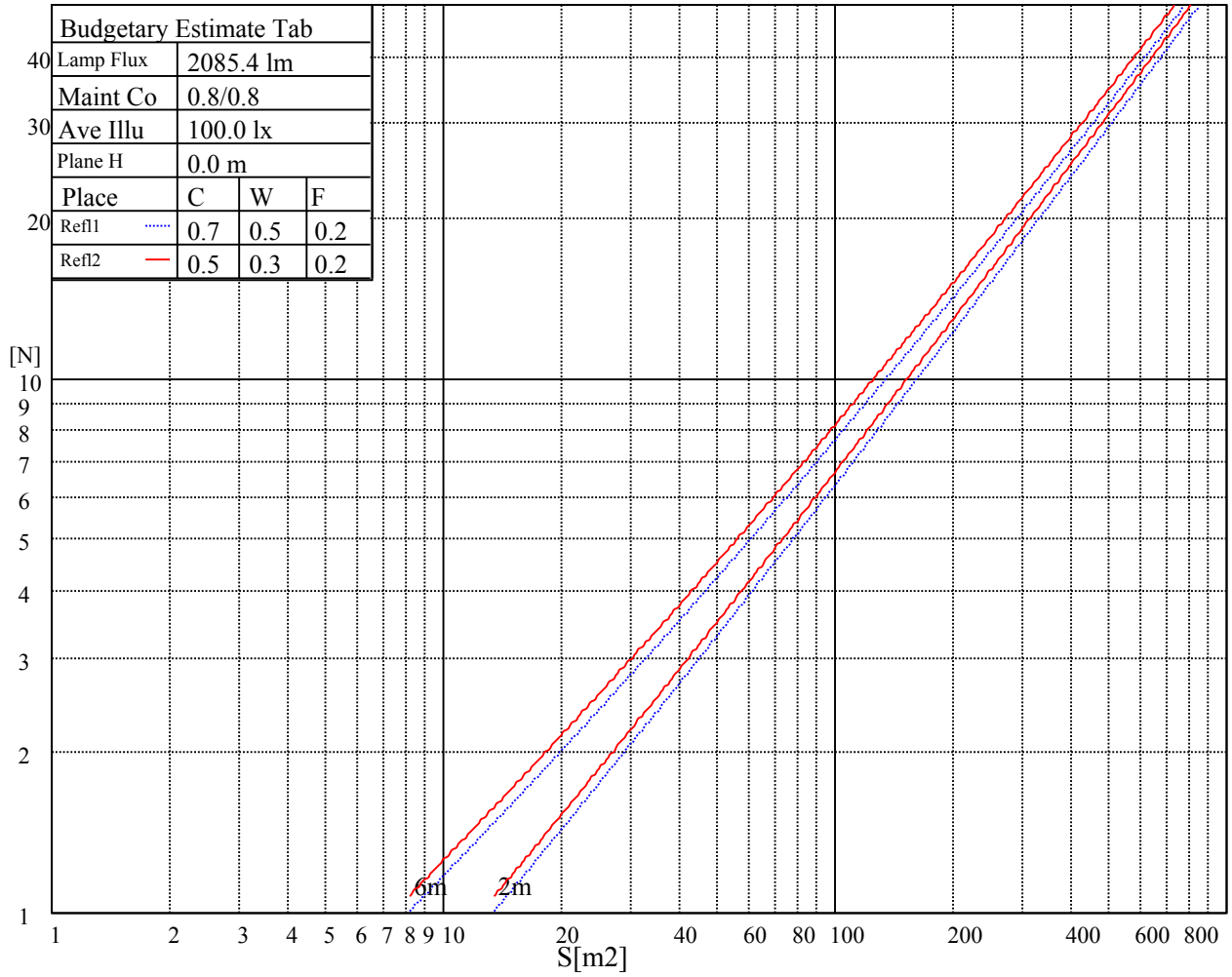
Luminance Limitting Curve



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

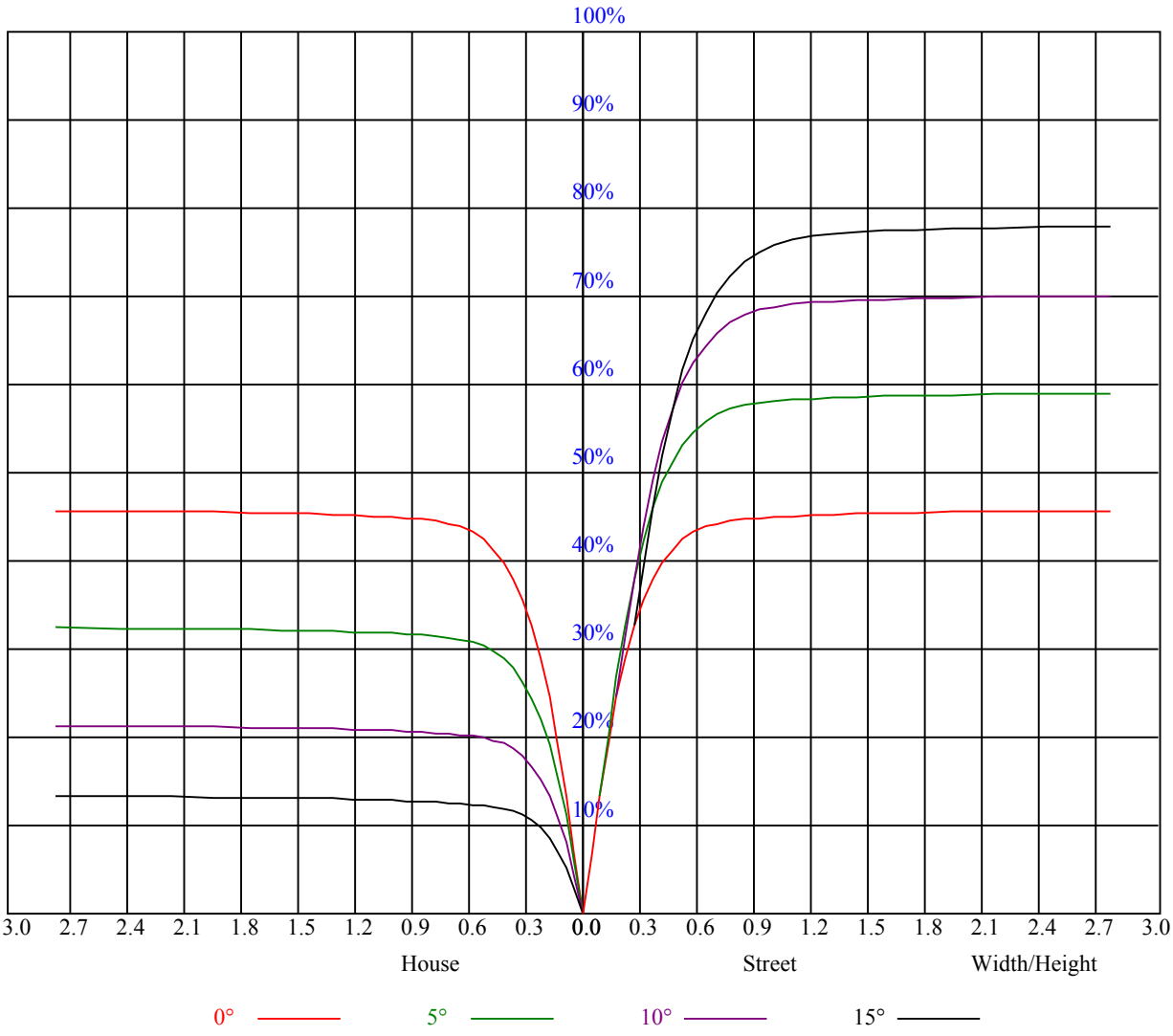


Equipment: GMS1980 Date: 2023/11/20 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	0.94	0.91	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.92	0.88	0.85	0.91	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.84	0.82	0.81	0.79
4	0.88	0.83	0.80	0.87	0.83	0.80	0.85	0.81	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.76
5	0.84	0.79	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.74	0.72
6	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
7	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
8	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.64
9	0.71	0.67	0.64	0.71	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62
10	0.69	0.64	0.61	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/20	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

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	6518.99	6435.96	6289.28	6032.99	5779.47	5500.49	5140.69	4832.37	4525.16
45.0	6576.56	6535.05	6455.89	6309.76	6057.34	5817.11	5472.81	5155.63	4845.65
90.0	6552.21	6467.51	6279.87	6070.63	5818.77	5547.54	5171.69	4857.28	4529.03
135.0	6609.22	6590.40	6520.65	6329.68	6140.37	5909.00	5638.32	5350.48	4981.82
180.0	6518.99	6575.45	6572.13	6516.23	6383.93	6215.10	6004.76	5751.24	5389.23
225.0	6576.56	6573.79	6496.30	6411.05	6257.17	5981.51	5707.51	5414.69	5042.71
270.0	6552.21	6600.92	6585.97	6530.62	6411.61	6246.65	6028.56	5762.31	5400.85
315.0	6609.22	6598.15	6520.10	6409.95	6188.53	5954.94	5685.37	5317.82	5010.61
360.0	6518.99	6435.96	6289.28	6032.99	5779.47	5500.49	5140.69	4832.37	4525.16

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4116.65	3801.69	3486.17	3178.40	2813.62	2546.82	2287.21	2064.14	1820.58
45.0	4459.84	4127.16	3807.77	3480.08	3088.73	2784.29	2502.54	2241.82	1961.73
90.0	4193.59	3773.45	3436.35	3102.02	2712.88	2435.00	2179.27	1906.93	1720.39
135.0	4667.97	4268.87	3952.25	3637.29	3232.10	2929.31	2639.81	2319.32	2092.37
180.0	5093.08	4804.14	4493.05	4094.51	3780.10	3379.34	3070.46	2766.57	2416.74
225.0	4731.07	4398.95	3982.14	3664.96	3346.13	3035.59	2660.85	2394.04	2159.34
270.0	5093.64	4789.19	4467.59	4056.87	3731.39	3418.08	3028.40	2732.81	2454.93
315.0	4701.18	4291.56	3964.98	3659.43	3344.46	2960.86	2679.67	2411.20	2183.15
360.0	4116.65	3801.69	3486.17	3178.40	2813.62	2546.82	2287.21	2064.14	1820.58

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1650.09	1456.35	1325.72	1086.31	1086.31	1004.11	932.15	856.21	754.80
45.0	1766.89	1603.04	1415.95	1295.27	1192.32	1083.82	1004.67	916.66	845.80
90.0	1560.42	1384.95	1102.92	1102.92	1083.60	993.38	924.29	854.05	775.61
135.0	1888.66	1703.23	1500.08	1367.79	1254.31	1149.69	1044.52	966.47	890.64
180.0	2185.36	1979.44	1775.19	1570.38	1428.12	1304.13	1196.19	1084.38	1005.77
225.0	1951.21	1718.73	1568.17	1401.55	1213.90	1095.61	1095.61	1004.56	939.30
270.0	2165.99	1958.41	1720.39	1567.06	1428.12	1303.02	1174.60	1088.25	1011.31
315.0	1921.88	1739.21	1577.02	1402.66	1102.87	1102.87	1059.47	980.20	904.92
360.0	1650.09	1456.35	1325.72	1086.31	1086.31	1004.11	932.15	856.21	754.80

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	671.11	592.28	516.67	421.24	349.12	281.20	219.75	156.98	121.72
45.0	763.88	681.96	602.25	505.93	427.88	353.71	285.07	285.07	162.68
90.0	674.65	594.72	514.23	414.99	339.37	270.07	197.22	152.94	117.79
135.0	789.90	707.97	610.00	535.27	459.43	385.81	298.91	282.30	282.30
180.0	935.48	840.27	760.56	684.17	583.43	504.27	426.22	334.89	283.96
225.0	850.18	773.12	695.79	612.88	507.37	422.24	344.69	276.82	203.98
270.0	938.80	845.80	764.99	684.17	598.93	490.43	409.06	313.85	280.64
315.0	802.63	720.87	637.84	557.91	460.10	385.48	314.91	248.93	180.67
360.0	671.11	592.28	516.67	421.24	349.12	281.20	219.75	156.98	121.72

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	99.19	89.17	80.59	72.13	66.15	60.83	55.80	49.76	44.95
45.0	130.58	107.00	95.93	86.96	77.66	70.96	63.93	58.95	54.14
90.0	101.19	90.56	81.31	72.13	65.59	60.11	55.30	48.99	44.17
135.0	137.39	107.88	94.93	84.41	75.95	67.31	61.55	56.46	50.43
180.0	283.96	147.85	121.28	105.12	92.88	80.65	72.51	65.48	59.62
225.0	159.47	130.03	112.04	96.87	87.07	76.66	69.58	63.55	56.85
270.0	280.64	135.89	111.76	97.75	87.29	76.89	70.19	63.99	58.51
315.0	137.89	112.04	95.60	85.96	76.17	69.80	64.10	58.84	52.53
360.0	99.19	89.17	80.59	72.13	66.15	60.83	55.80	49.76	44.95

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	40.68	37.09	33.32	30.72	28.56	26.29	24.80	23.47	22.09
45.0	49.10	43.62	40.02	36.81	33.93	30.72	28.56	26.79	25.30
90.0	40.08	36.75	33.16	30.67	28.01	26.29	24.74	23.14	22.09
135.0	45.56	41.07	36.42	33.32	30.00	27.73	25.91	24.36	22.75
180.0	53.31	48.38	43.67	38.64	35.43	31.88	29.45	27.40	25.63
225.0	51.76	46.72	42.46	38.08	34.98	32.27	29.89	27.34	25.63
270.0	52.53	47.66	43.01	39.02	34.93	32.16	29.67	27.01	25.24
315.0	47.60	42.95	38.97	34.76	31.94	29.45	26.90	25.24	23.80
360.0	40.68	37.09	33.32	30.72	28.56	26.29	24.80	23.47	22.09

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.15	20.09	19.37	18.76	18.16	17.60	17.10	16.72	16.33
45.0	23.69	22.58	21.37	20.54	19.76	18.93	18.32	17.77	17.27
90.0	21.09	20.20	19.43	18.60	18.05	17.55	16.99	16.55	16.16
135.0	21.70	20.76	19.93	18.99	18.38	17.88	17.27	16.83	16.38
180.0	23.80	22.53	21.48	20.54	19.54	18.88	18.32	17.77	17.21
225.0	24.08	22.53	21.42	20.48	19.48	18.76	18.21	17.55	16.99
270.0	23.47	22.25	21.15	20.26	19.26	18.60	17.99	17.49	16.88
315.0	22.25	21.20	20.31	19.37	18.71	18.16	17.55	17.05	16.66
360.0	21.15	20.09	19.37	18.76	18.16	17.60	17.10	16.72	16.33

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.83	15.44	15.06	14.72	14.23	13.84	13.40	13.01	12.62
45.0	16.66	16.16	15.78	15.33	14.83	14.45	14.00	13.45	13.06
90.0	15.72	15.33	15.00	14.56	14.12	13.62	13.23	12.90	12.45
135.0	16.00	15.61	15.22	14.78	14.45	14.06	13.67	13.17	12.84
180.0	16.77	16.27	15.89	15.55	15.06	14.67	14.34	13.95	13.51
225.0	16.55	16.00	15.55	15.22	14.78	14.28	13.95	13.56	13.06
270.0	16.50	16.11	15.61	15.28	14.89	14.45	14.12	13.67	13.28
315.0	16.33	15.78	15.39	15.06	14.67	14.17	13.78	13.45	13.01
360.0	15.83	15.44	15.06	14.72	14.23	13.84	13.40	13.01	12.62

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.18	11.85	11.51	11.24	10.90	10.68	10.41	10.19	9.91
45.0	12.68	12.23	11.85	11.46	11.13	10.85	10.57	10.30	10.02
90.0	12.01	11.73	11.40	11.07	10.79	10.52	10.24	9.96	9.74
135.0	12.45	12.07	11.68	11.35	11.07	10.68	10.41	10.13	9.91
180.0	13.12	12.79	12.40	11.96	11.62	11.29	10.90	10.63	10.41
225.0	12.73	12.34	11.90	11.57	11.29	10.90	10.63	10.35	10.07
270.0	12.95	12.57	12.18	11.79	11.51	11.18	10.79	10.52	10.30
315.0	12.62	12.18	11.85	11.51	11.24	10.85	10.63	10.35	10.07
360.0	12.18	11.85	11.51	11.24	10.90	10.68	10.41	10.19	9.91

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.74	9.47	9.24	9.13	8.91	8.80	8.64	8.47	8.30
45.0	9.80	9.58	9.35	9.08	8.91	8.75	8.58	8.41	8.25
90.0	9.52	9.30	9.08	8.91	8.69	8.58	8.41	8.25	8.14
135.0	9.69	9.47	9.24	9.02	8.86	8.69	8.58	8.47	8.19
180.0	10.07	9.85	9.63	9.47	9.24	9.02	8.86	8.75	8.64
225.0	9.80	9.63	9.47	9.19	9.02	8.91	8.75	8.52	8.52
270.0	10.02	9.80	9.58	9.35	9.08	8.97	8.80	8.58	8.47
315.0	9.80	9.63	9.35	9.19	9.02	8.86	8.69	8.52	8.47
360.0	9.74	9.47	9.24	9.13	8.91	8.80	8.64	8.47	8.30

Intensity data(cd)

C/γ(°)	90.0
0.0	8.36
45.0	8.19
90.0	8.14
135.0	8.19
180.0	8.30
225.0	8.30
270.0	8.25
315.0	8.19
360.0	8.36