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

NT

Client:
LumCAT: 1-1380-L
Luminaire: 92.70.427.00
Report No: 20231123-B012
Ballast type: AC

Test No: 20231123-C012	Voltage(V): 35.710
LampCAT: TRIDONIC SLE G7 9MM	Current(A): 0.331
Lamp flux(lm): 1796.1	Power (W): 11.820
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1673.58, Efficiency(%): 93.18% , Luminous Efficacy(lm/W): 141.59
Central intensity(cd): 2506.965, Maximum intensity(cd): 2506.965
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=50.4
[C90/270]Total=50.4
Field angle(10%Imax): [C0/180]Total=70.6
[C90/270]Total=70.6
Beam angle of C0 plane : 50.40
Aveage BeamAngle(IEC 61341):50.40
Maximum s/h(1/2): C0_180=0.84 C90_270=0.84
Maximum s/h(1/4): C0_180=0.75 C90_270=0.75
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.18%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.979%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2506.965	0.000	0	0.00%	0.00%
1.0	2497.831	2.395	2.395	0.13%	0.14%
2.0	2481.433	7.147	9.541	0.40%	0.57%
3.0	2468.286	11.838	21.38	0.66%	1.28%
4.0	2459.845	16.496	37.876	0.92%	2.26%
5.0	2450.089	21.122	58.998	1.18%	3.53%
6.0	2433.137	25.663	84.66	1.43%	5.06%
7.0	2408.989	30.055	114.715	1.67%	6.85%
8.0	2382.004	34.288	149.004	1.91%	8.90%
9.0	2351.421	38.362	187.366	2.14%	11.20%
10.0	2320.354	42.278	229.643	2.35%	13.72%
11.0	2288.179	46.049	275.692	2.56%	16.47%
12.0	2253.168	49.643	325.335	2.76%	19.44%
13.0	2219.887	53.084	378.419	2.96%	22.61%
14.0	2182.592	56.351	434.771	3.14%	25.98%
15.0	2144.744	59.408	494.178	3.31%	29.53%
16.0	2096.656	62.148	556.327	3.46%	33.24%
17.0	2052.650	64.616	620.943	3.60%	37.10%
18.0	1993.837	66.718	687.66	3.71%	41.09%
19.0	1932.187	68.305	755.965	3.80%	45.17%
20.0	1856.006	69.334	825.3	3.86%	49.31%
21.0	1764.258	69.516	894.816	3.87%	53.47%
22.0	1670.433	69.022	963.838	3.84%	57.59%
23.0	1563.255	67.852	1031.689	3.78%	61.65%
24.0	1434.385	65.539	1097.228	3.65%	65.56%
25.0	1276.911	61.649	1158.877	3.43%	69.25%
26.0	1159.838	57.520	1216.397	3.20%	72.68%
27.0	1059.980	54.308	1270.705	3.02%	75.93%
28.0	924.716	50.248	1320.953	2.80%	78.93%
29.0	794.601	44.982	1365.936	2.50%	81.62%
30.0	668.194	39.495	1405.431	2.20%	83.98%
31.0	560.213	34.185	1439.616	1.90%	86.02%
32.0	458.909	29.197	1468.812	1.63%	87.76%
33.0	377.595	24.644	1493.456	1.37%	89.24%
34.0	312.596	20.887	1514.343	1.16%	90.49%
35.0	262.535	17.861	1532.205	0.99%	91.55%
36.0	215.900	15.233	1547.438	0.85%	92.46%
37.0	179.276	12.888	1560.326	0.72%	93.23%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	131.319	10.367	1570.694	0.58%	93.85%
39.0	106.217	8.108	1578.802	0.45%	94.34%
40.0	88.670	6.797	1585.598	0.38%	94.74%
41.0	74.963	5.827	1591.425	0.32%	95.09%
42.0	63.020	5.013	1596.438	0.28%	95.39%
43.0	54.551	4.355	1600.794	0.24%	95.65%
44.0	47.936	3.868	1604.662	0.22%	95.88%
45.0	42.352	3.470	1608.132	0.19%	96.09%
46.0	37.945	3.140	1611.272	0.17%	96.28%
47.0	34.285	2.873	1614.145	0.16%	96.45%
48.0	31.399	2.655	1616.8	0.15%	96.61%
49.0	28.625	2.465	1619.265	0.14%	96.75%
50.0	26.660	2.305	1621.57	0.13%	96.89%
51.0	24.812	2.178	1623.748	0.12%	97.02%
52.0	23.311	2.065	1625.813	0.11%	97.15%
53.0	22.024	1.972	1627.785	0.11%	97.26%
54.0	20.882	1.891	1629.676	0.11%	97.38%
55.0	19.830	1.817	1631.493	0.10%	97.49%
56.0	18.938	1.752	1633.245	0.10%	97.59%
57.0	18.191	1.698	1634.943	0.09%	97.69%
58.0	17.450	1.648	1636.591	0.09%	97.79%
59.0	16.807	1.602	1638.192	0.09%	97.89%
60.0	16.267	1.563	1639.755	0.09%	97.98%
61.0	15.720	1.527	1641.281	0.08%	98.07%
62.0	15.215	1.491	1642.772	0.08%	98.16%
63.0	14.752	1.457	1644.229	0.08%	98.25%
64.0	14.323	1.427	1645.656	0.08%	98.33%
65.0	13.901	1.397	1647.053	0.08%	98.42%
66.0	13.520	1.368	1648.421	0.08%	98.50%
67.0	13.153	1.341	1649.762	0.07%	98.58%
68.0	12.794	1.314	1651.077	0.07%	98.66%
69.0	12.468	1.289	1652.365	0.07%	98.73%
70.0	12.143	1.264	1653.629	0.07%	98.81%
71.0	11.846	1.240	1654.869	0.07%	98.88%
72.0	11.486	1.213	1656.082	0.07%	98.95%
73.0	11.195	1.186	1657.268	0.07%	99.03%
74.0	10.870	1.160	1658.428	0.06%	99.09%
75.0	10.552	1.132	1659.56	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.268	1.105	1660.665	0.06%	99.23%
77.0	9.964	1.079	1661.744	0.06%	99.29%
78.0	9.701	1.053	1662.797	0.06%	99.36%
79.0	9.389	1.026	1663.822	0.06%	99.42%
80.0	9.154	1.000	1664.822	0.06%	99.48%
81.0	8.891	0.976	1665.798	0.05%	99.54%
82.0	8.642	0.951	1666.749	0.05%	99.59%
83.0	8.421	0.928	1667.676	0.05%	99.65%
84.0	8.185	0.905	1668.581	0.05%	99.70%
85.0	7.971	0.882	1669.463	0.05%	99.75%
86.0	7.770	0.860	1670.323	0.05%	99.81%
87.0	7.604	0.841	1671.165	0.05%	99.86%
88.0	7.404	0.822	1671.987	0.05%	99.90%
89.0	7.237	0.802	1672.789	0.04%	99.95%
90.0	7.161	0.789	1673.579	0.04%	100.00%

Zonal flux distribution table

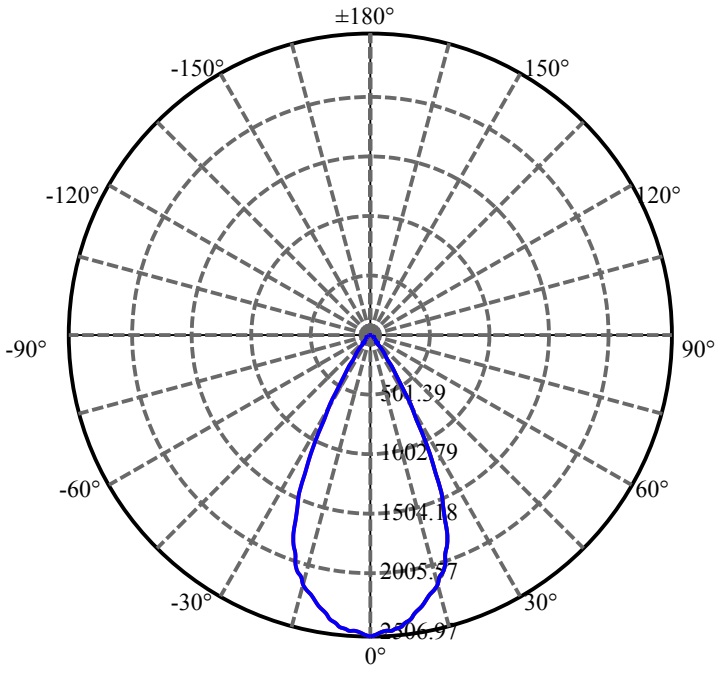
ZONAL LUMEN SUMMARY

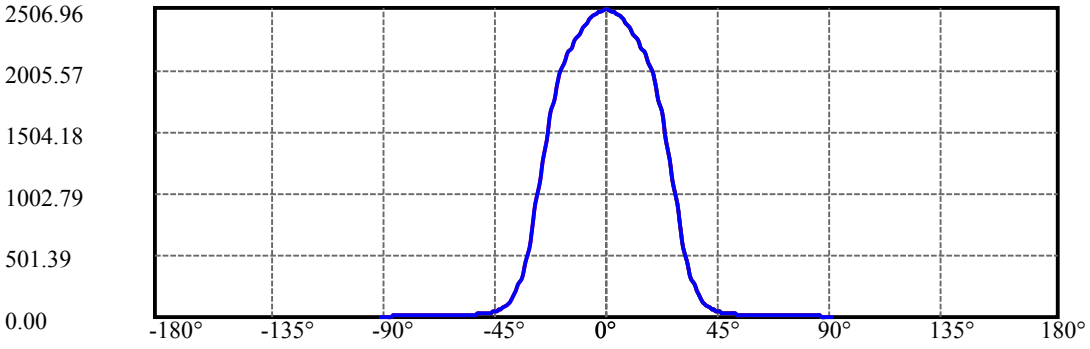
Zone	Lumens	%Lamp	%Fixt
0-30	1405.43	78.25%	83.98%
0-40	1585.60	88.28%	94.74%
0-60	1639.75	91.30%	97.98%
0-90	1672.79	93.14%	99.95%
0-120	1672.79	93.14%	99.95%
0-180	1673.58	93.18%	100.00%
60-90	33.03	1.84%	1.97%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.40	1338.86	74.54%	80.00%

ZONAL LUMEN SUMMARY

0-10	229.64
10-20	595.66
20-30	580.13
30-40	180.17
40-50	35.97
50-60	18.18
60-70	13.87
70-80	11.19
80-90	7.97
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):

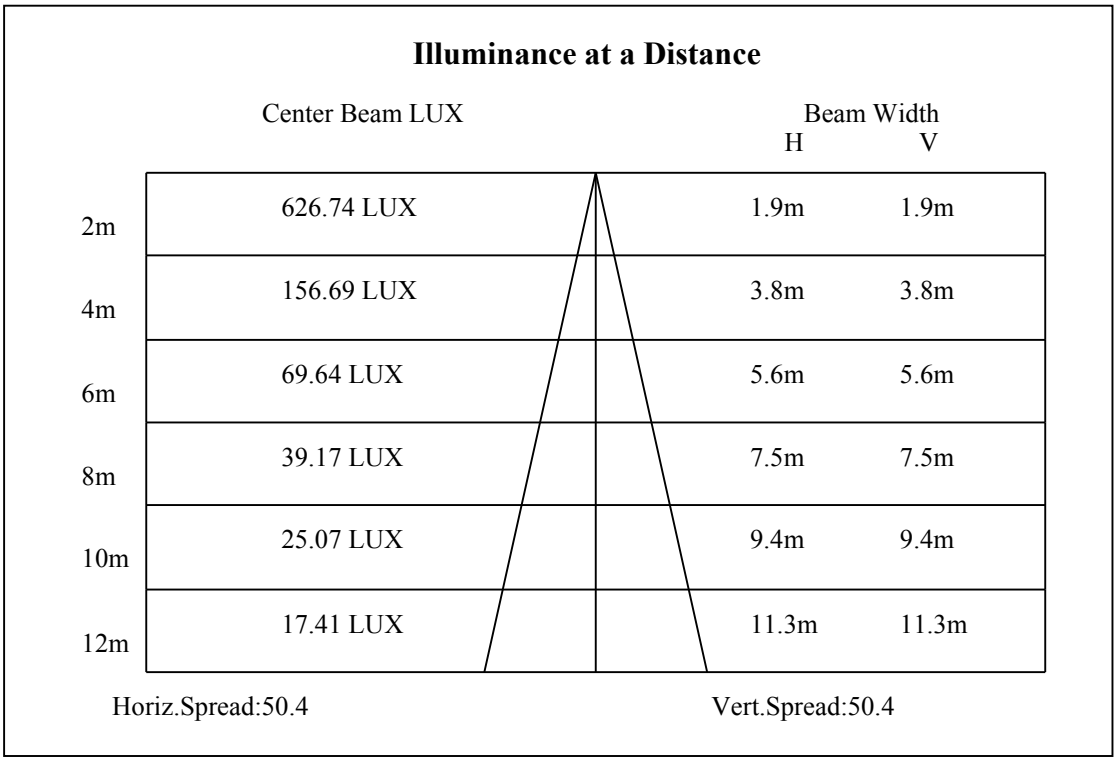
C0/C180:

C90/C270:

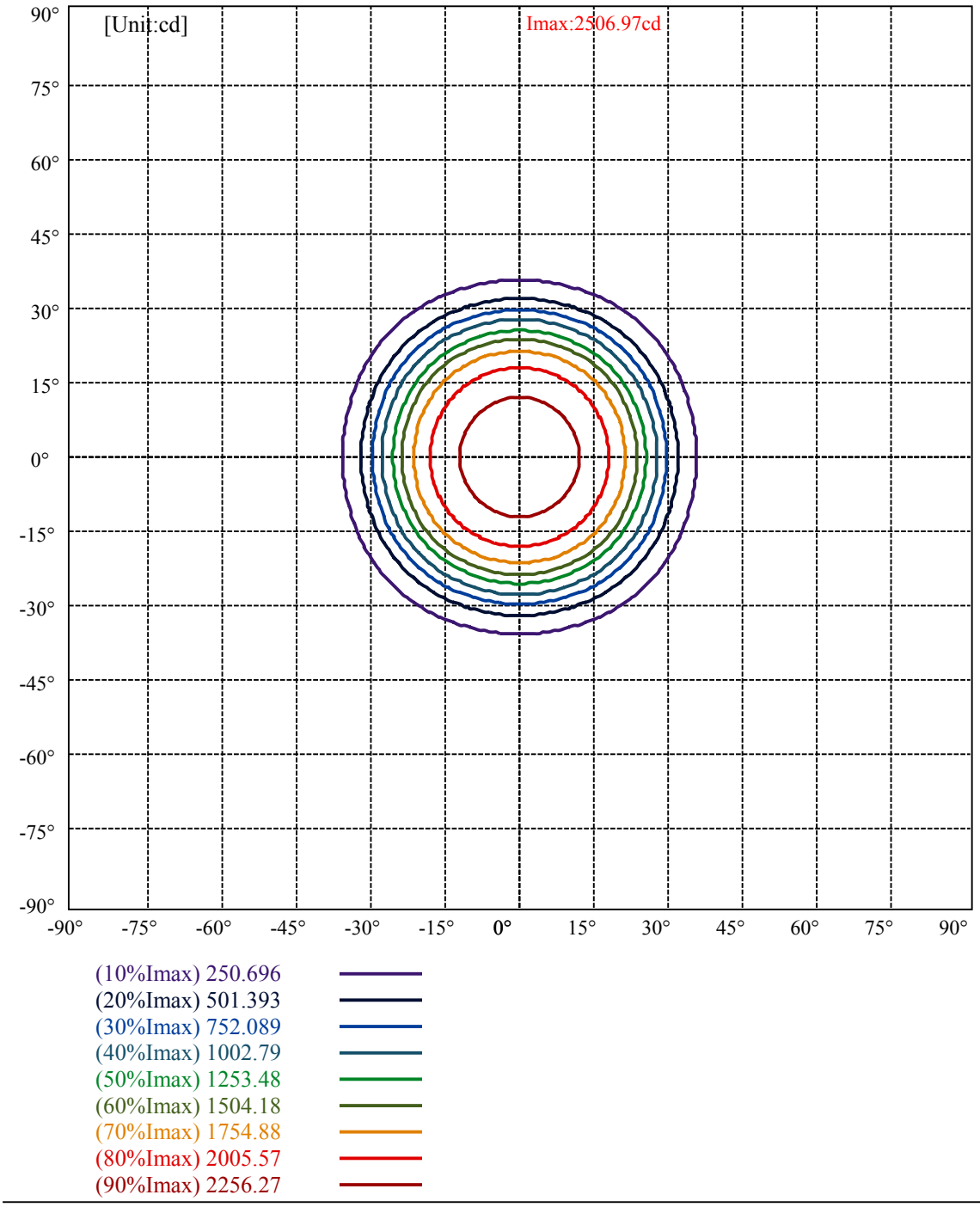
Field angle(10%Imax):C0/180Left:35.3 Right:35.3
:C90/270Left:35.3 Right:35.3

Beam Angle(50%Imax):C0/180Left:25.2 Right:25.2
:C90/270Left:25.2 Right:25.2

Lux distance Curve



ISO-Intensity(V-H)

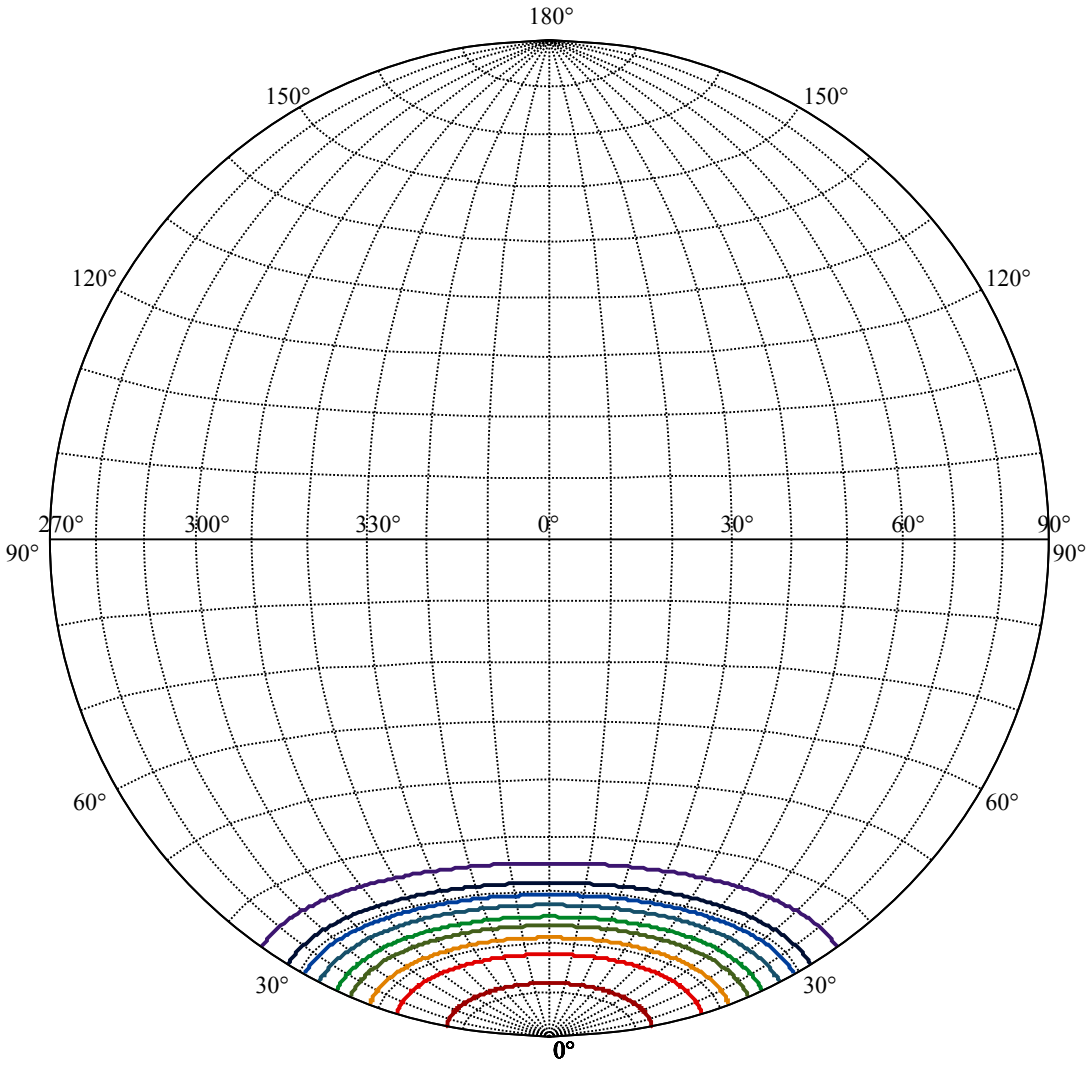


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/23
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



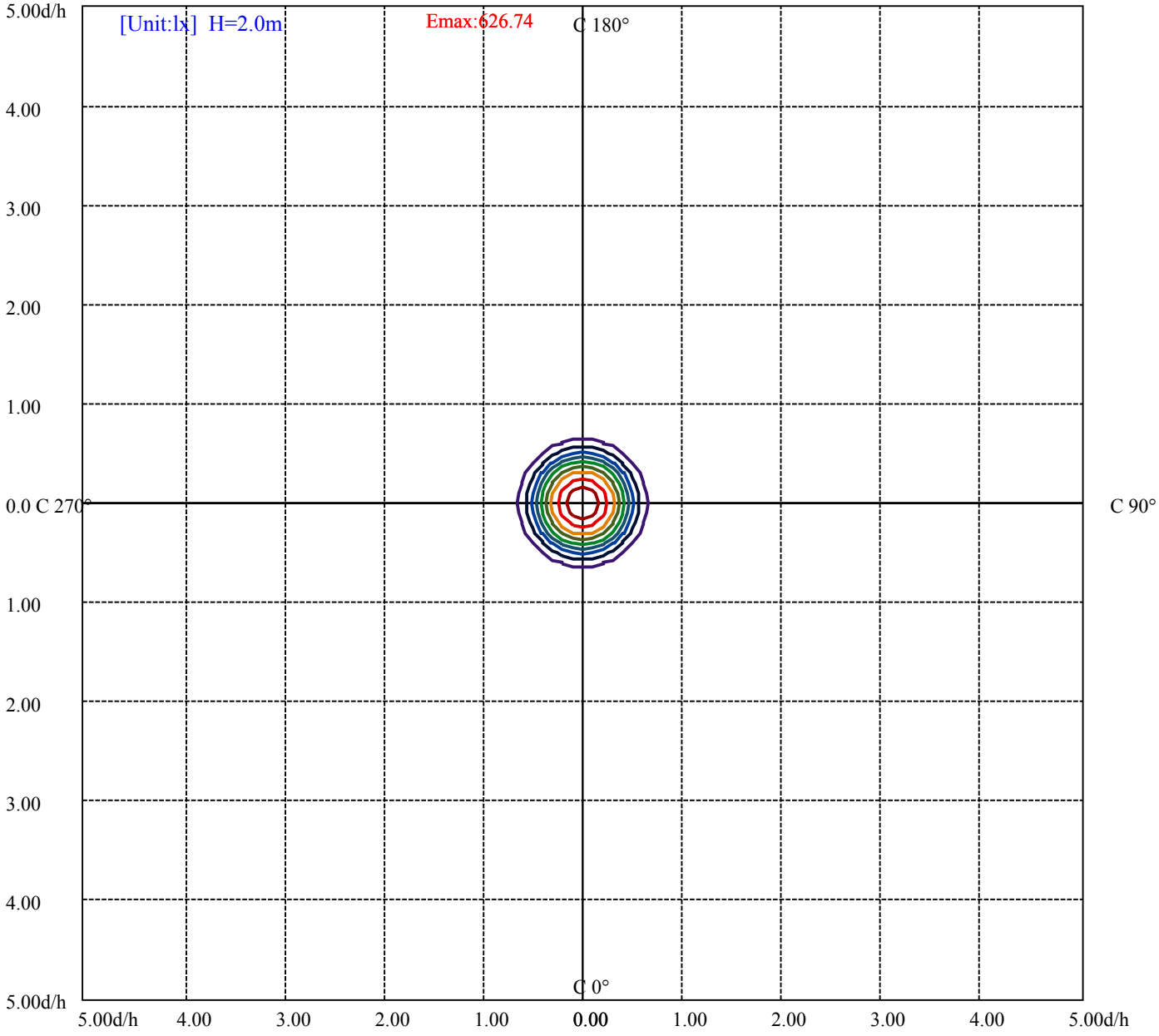
[Unit:cd]

Imax:2506.97

(10%Imax) 250.696
(20%Imax) 501.393
(30%Imax) 752.089
(40%Imax) 1002.79
(50%Imax) 1253.48
(60%Imax) 1504.18
(70%Imax) 1754.88
(80%Imax) 2005.57
(90%Imax) 2256.27

NT 1-1380-L

ISO illuminance diagram

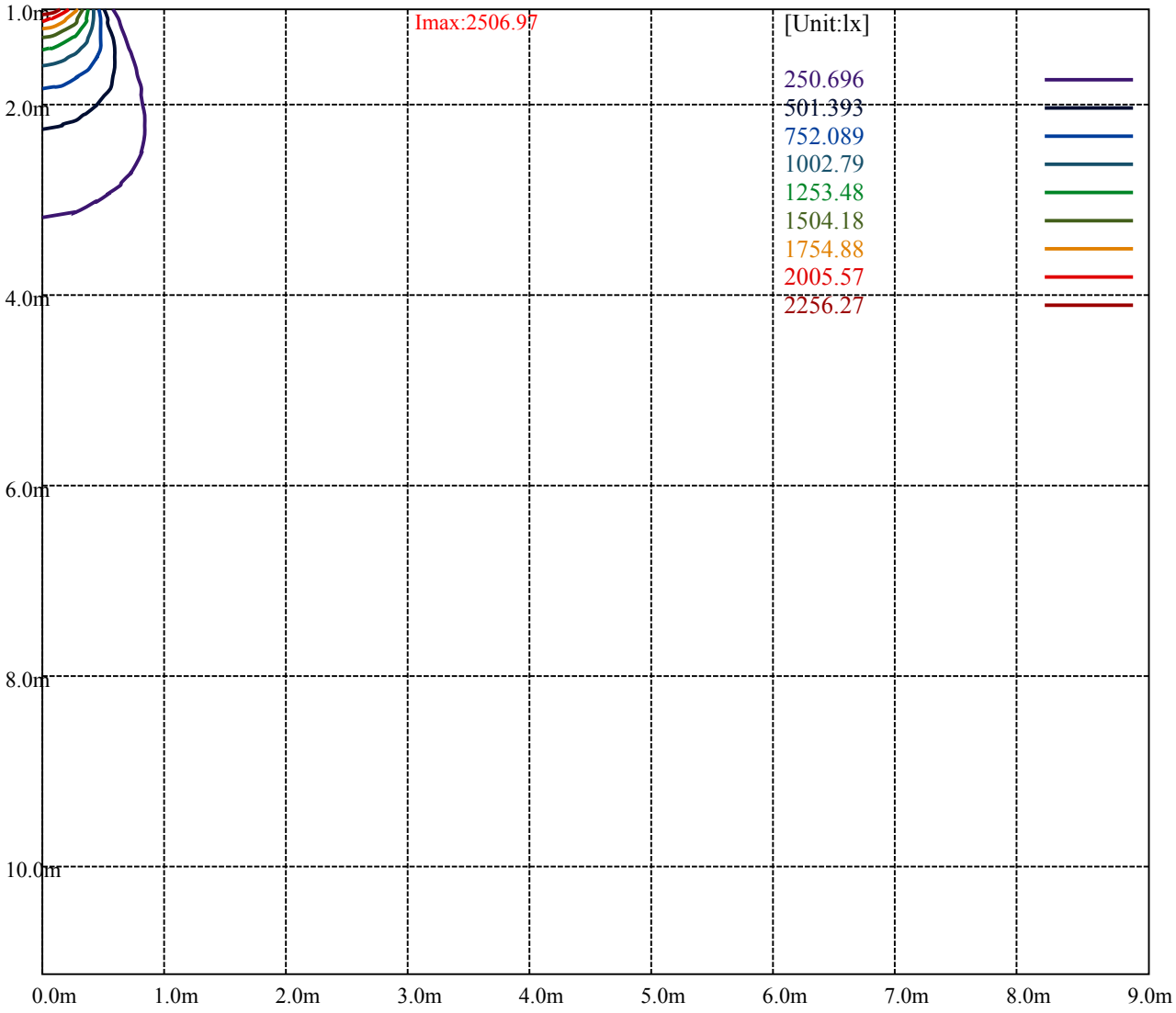


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/23
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/23
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1380-L

Luminance Limitting Curve(no luminous side)

Luminance Table

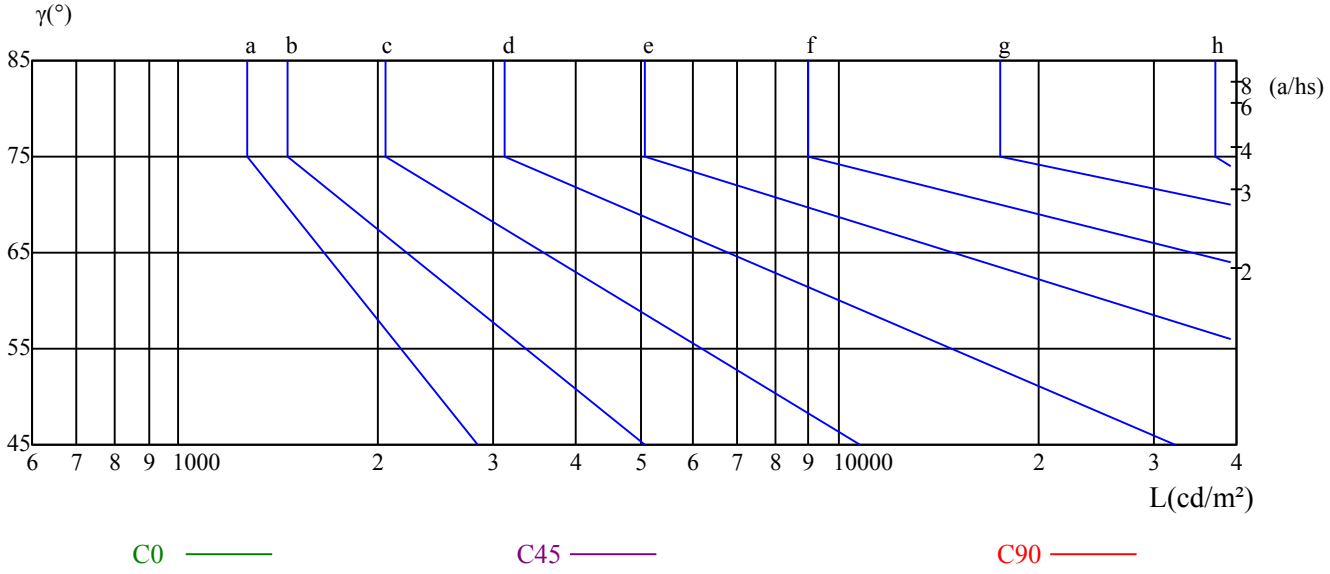
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

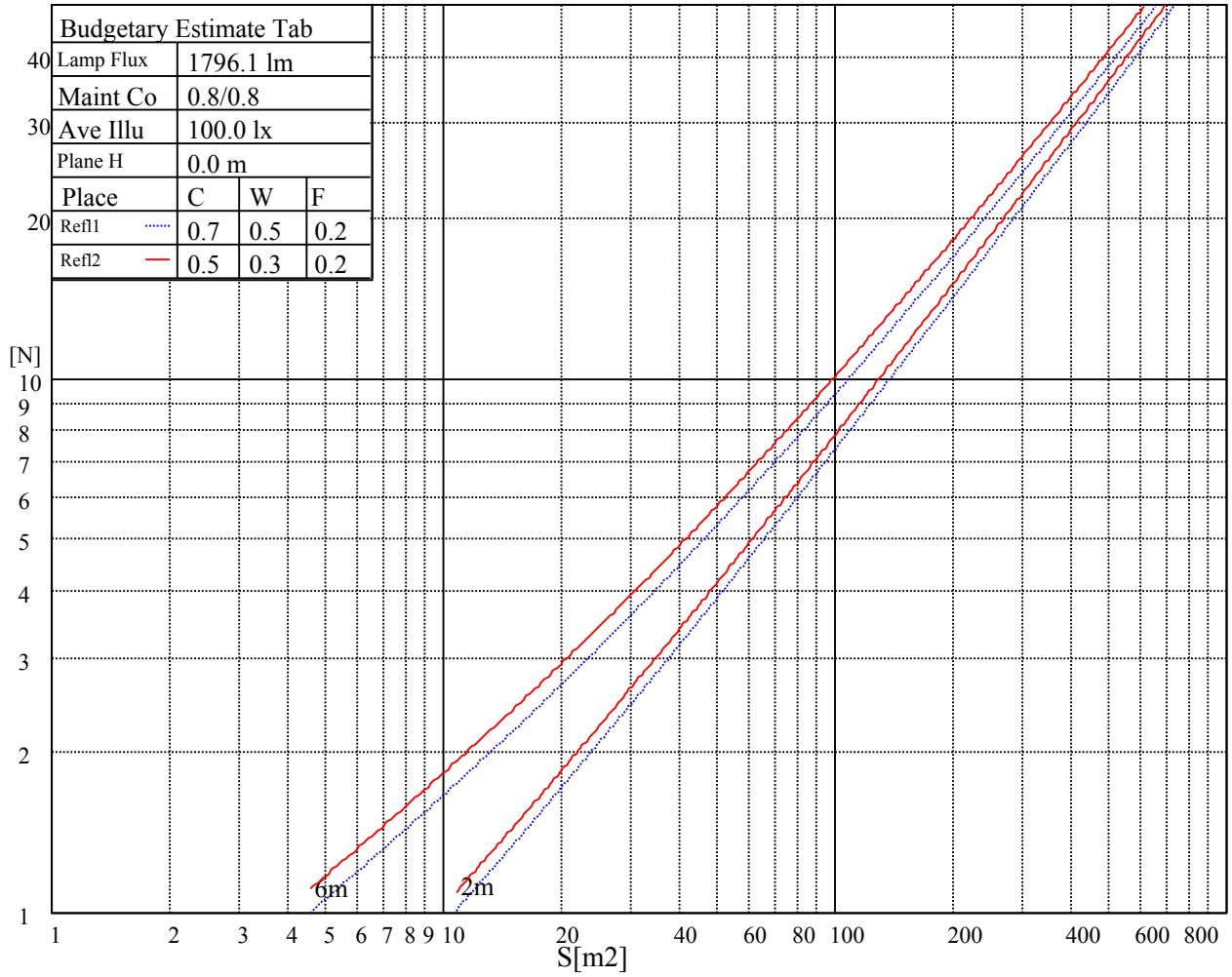
Luminance Limitting Curve



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

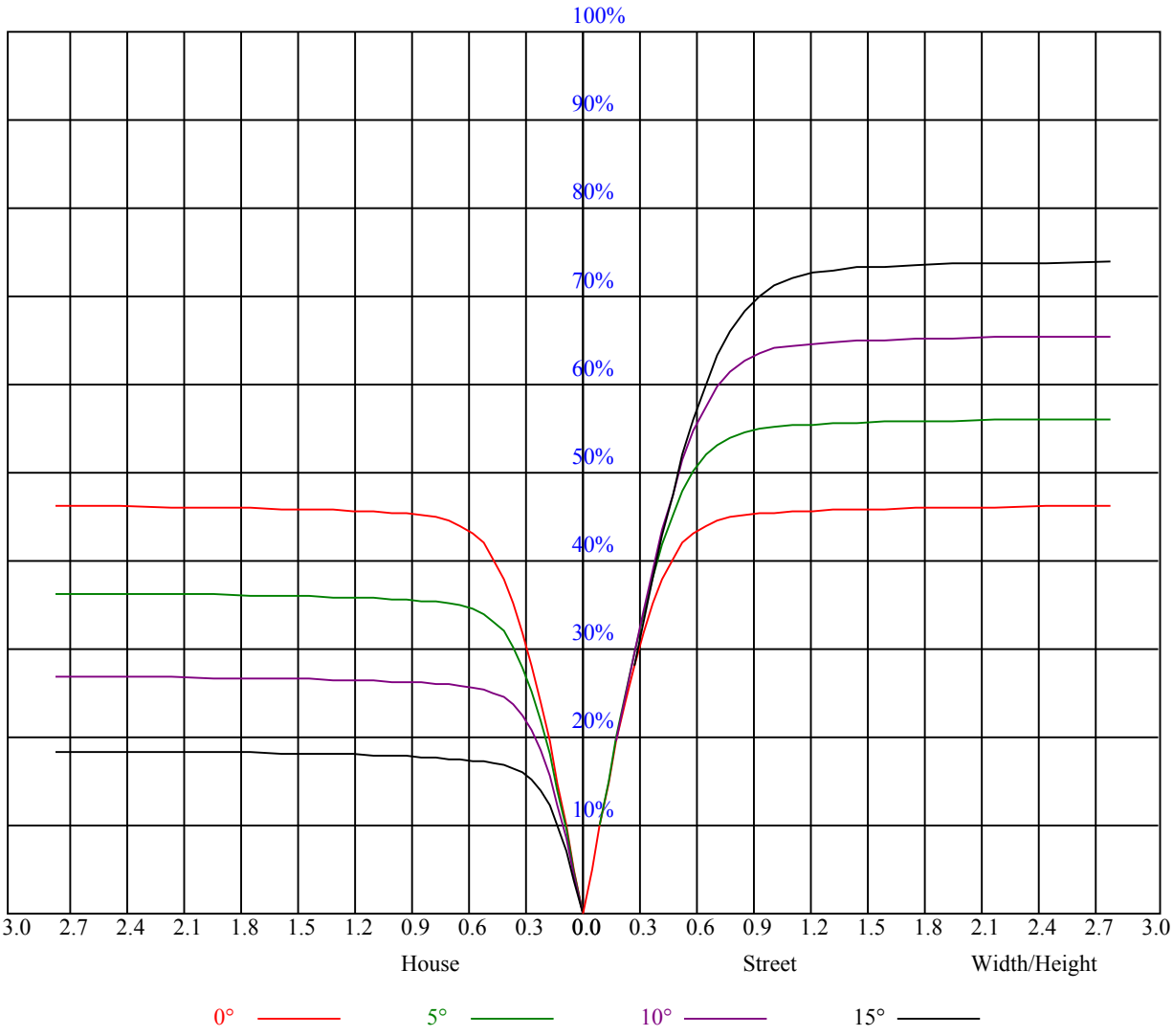


Equipment: GMS1980 Date: 2023/11/23 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.03	1.01	0.99	1.01	0.99	0.97	0.98	0.96	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.87	0.83	0.90	0.86	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
4	0.86	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.72	0.70	0.69
6	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.65
7	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.62
8	0.69	0.64	0.61	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.58
9	0.66	0.61	0.57	0.65	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.56
10	0.63	0.58	0.55	0.62	0.58	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.53

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/23	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	2495.34	2479.29	2478.73	2469.88	2446.08	2423.38	2394.60	2363.05	2325.96
45.0	2519.14	2493.68	2478.73	2492.02	2487.59	2479.29	2464.90	2441.09	2412.86
90.0	2493.13	2478.73	2487.04	2484.82	2476.52	2462.13	2443.86	2426.15	2396.81
135.0	2520.25	2506.96	2480.39	2480.39	2480.95	2465.45	2456.59	2441.65	2426.15
180.0	2495.34	2520.25	2509.18	2474.86	2456.59	2470.98	2474.31	2446.08	2422.83
225.0	2519.14	2491.47	2451.06	2444.97	2448.84	2435.56	2408.99	2392.94	2369.69
270.0	2493.13	2516.37	2504.75	2450.50	2436.67	2443.86	2427.81	2397.92	2370.24
315.0	2520.25	2495.89	2461.57	2448.84	2445.52	2420.06	2394.04	2363.05	2331.49
360.0	2495.34	2479.29	2478.73	2469.88	2446.08	2423.38	2394.60	2363.05	2325.96

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2286.10	2258.98	2232.96	2193.11	2149.93	2112.29	2057.49	2004.35	1953.43
45.0	2383.53	2356.40	2317.66	2281.12	2247.36	2196.98	2156.58	2099.56	2055.28
90.0	2368.58	2333.71	2298.28	2267.28	2244.59	2203.07	2166.54	2125.58	2074.65
135.0	2401.79	2372.46	2350.87	2320.42	2290.53	2252.34	2208.06	2148.27	2101.78
180.0	2399.58	2373.01	2336.48	2290.53	2252.34	2236.29	2206.95	2153.81	2107.31
225.0	2338.14	2299.39	2273.37	2249.02	2219.68	2173.74	2129.45	2081.85	2037.01
270.0	2338.14	2306.58	2266.73	2219.68	2189.23	2161.56	2140.52	2107.87	2075.76
315.0	2295.51	2262.30	2229.09	2204.18	2165.43	2124.47	2092.37	2051.96	2015.98
360.0	2286.10	2258.98	2232.96	2193.11	2149.93	2112.29	2057.49	2004.35	1953.43

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1878.70	1808.96	1722.05	1592.52	1471.85	1356.16	1088.53	1088.53	957.56
45.0	2011.00	1948.45	1859.33	1771.32	1678.87	1569.27	1431.44	1310.77	1181.25
90.0	1998.82	1924.64	1840.51	1750.28	1622.41	1515.58	1402.66	1084.99	1084.99
135.0	2037.01	1976.12	1906.93	1807.30	1716.52	1619.09	1503.40	1347.86	1221.10
180.0	2051.40	1989.96	1929.63	1843.27	1771.32	1690.50	1594.74	1455.80	1336.24
225.0	1982.77	1927.97	1845.49	1761.35	1677.21	1548.79	1446.39	1245.46	1083.66
270.0	2039.23	1991.62	1919.66	1848.26	1769.10	1667.25	1574.26	1445.84	1336.79
315.0	1951.77	1889.77	1824.45	1739.76	1656.18	1539.38	1433.66	1236.05	1077.13
360.0	1878.70	1808.96	1722.05	1592.52	1471.85	1356.16	1088.53	1088.53	957.56

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	828.70	706.98	598.10	480.64	400.04	319.78	263.54	216.88	169.55
45.0	1048.95	886.76	761.11	623.84	526.41	438.95	349.83	290.05	290.05
90.0	983.08	823.83	712.01	607.89	490.16	406.24	333.39	269.02	204.75
135.0	1085.48	950.42	793.77	675.87	569.59	453.35	373.64	308.32	292.82
180.0	1215.01	1096.00	972.01	817.57	699.12	564.05	473.83	399.10	320.50
225.0	1053.10	923.35	796.48	681.24	553.76	467.79	392.24	328.14	256.95
270.0	1218.89	1091.57	930.49	808.16	692.47	562.39	470.51	390.24	321.05
315.0	1046.63	918.81	792.83	650.35	550.16	458.72	363.78	299.02	244.61
360.0	828.70	706.98	598.10	480.64	400.04	319.78	263.54	216.88	169.55

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	139.77	116.35	93.38	78.71	66.98	57.73	48.82	43.07	38.47
45.0	226.17	147.46	121.45	101.13	85.41	70.80	61.72	54.30	46.77
90.0	165.56	135.28	111.37	89.12	75.50	64.93	55.19	48.99	43.73
135.0	227.12	148.46	122.11	100.69	84.30	72.18	60.72	53.64	47.49
180.0	280.09	280.09	180.51	142.70	118.84	98.47	78.77	66.87	57.57
225.0	208.79	161.47	132.30	109.88	88.23	74.73	64.10	53.97	47.49
270.0	290.61	290.61	161.69	125.38	103.79	87.29	71.52	62.05	54.80
315.0	189.09	154.49	127.76	102.13	86.30	73.56	63.32	53.53	47.16
360.0	139.77	116.35	93.38	78.71	66.98	57.73	48.82	43.07	38.47

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	34.71	31.11	28.73	26.74	24.63	23.19	21.75	20.70	19.82
45.0	42.07	38.08	34.04	31.44	28.56	26.68	25.08	23.69	22.20
90.0	38.58	35.09	32.16	29.12	27.07	25.35	23.91	22.31	21.26
135.0	41.29	37.36	34.04	31.27	28.34	26.35	24.41	23.03	21.81
180.0	50.37	43.18	38.86	35.26	31.72	29.28	26.74	25.02	23.58
225.0	42.40	38.19	34.04	31.22	28.95	26.90	24.74	23.30	22.03
270.0	47.44	42.62	38.64	35.15	31.55	29.23	27.18	25.46	23.64
315.0	41.96	37.92	33.77	31.00	28.17	26.29	24.69	22.97	21.86
360.0	34.71	31.11	28.73	26.74	24.63	23.19	21.75	20.70	19.82

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.04	18.10	17.44	16.88	16.22	15.72	15.28	14.83	14.39
45.0	21.15	20.20	19.37	18.43	17.77	17.16	16.55	15.89	15.39
90.0	20.26	19.15	18.38	17.71	16.88	16.33	15.83	15.22	14.83
135.0	20.54	19.65	18.82	18.10	17.27	16.72	16.16	15.67	15.06
180.0	22.25	20.87	19.87	19.04	18.32	17.44	16.88	16.33	15.83
225.0	20.70	19.76	18.76	18.10	17.44	16.77	16.27	15.67	15.22
270.0	22.36	21.26	20.04	19.15	18.27	17.60	16.99	16.44	15.78
315.0	20.76	19.65	18.82	18.10	17.44	16.72	16.16	15.72	15.22
360.0	19.04	18.10	17.44	16.88	16.22	15.72	15.28	14.83	14.39

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.06	13.67	13.28	13.01	12.57	12.29	12.01	11.73	11.40
45.0	14.95	14.50	14.12	13.67	13.28	12.95	12.62	12.23	11.96
90.0	14.39	13.89	13.51	13.17	12.84	12.45	12.12	11.85	11.57
135.0	14.67	14.28	13.84	13.51	13.12	12.79	12.45	12.12	11.79
180.0	15.22	14.78	14.34	13.95	13.62	13.17	12.84	12.57	12.23
225.0	14.78	14.34	13.89	13.51	13.12	12.79	12.45	12.07	11.79
270.0	15.28	14.83	14.39	13.89	13.56	13.17	12.84	12.45	12.18
315.0	14.67	14.28	13.84	13.45	13.12	12.73	12.40	12.12	11.85
360.0	14.06	13.67	13.28	13.01	12.57	12.29	12.01	11.73	11.40

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.02	10.74	10.52	10.13	9.85	9.63	9.35	9.02	8.80
45.0	11.62	11.35	10.96	10.68	10.41	10.02	9.74	9.47	9.19
90.0	11.13	10.85	10.52	10.24	9.91	9.63	9.35	9.08	8.86
135.0	11.46	11.18	10.85	10.52	10.24	9.96	9.74	9.41	9.13
180.0	11.90	11.62	11.35	10.90	10.63	10.30	10.07	9.69	9.52
225.0	11.51	11.18	10.85	10.57	10.30	9.96	9.69	9.41	9.19
270.0	11.79	11.46	11.07	10.79	10.52	10.24	9.91	9.63	9.41
315.0	11.46	11.18	10.85	10.57	10.30	9.96	9.74	9.41	9.13
360.0	11.02	10.74	10.52	10.13	9.85	9.63	9.35	9.02	8.80

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.58	8.36	8.14	7.97	7.75	7.58	7.36	7.20	7.09
45.0	8.91	8.64	8.41	8.19	7.97	7.80	7.64	7.42	7.20
90.0	8.58	8.36	8.19	7.92	7.75	7.58	7.42	7.20	7.14
135.0	8.91	8.64	8.41	8.14	7.92	7.75	7.58	7.36	7.14
180.0	9.24	8.97	8.69	8.47	8.25	8.03	7.80	7.64	7.47
225.0	8.91	8.64	8.41	8.25	8.03	7.80	7.69	7.47	7.31
270.0	9.13	8.86	8.64	8.36	8.14	7.86	7.69	7.53	7.31
315.0	8.86	8.69	8.47	8.19	7.97	7.75	7.64	7.42	7.25
360.0	8.58	8.36	8.14	7.97	7.75	7.58	7.36	7.20	7.09

Intensity data(cd)

C/γ(°)	90.0
0.0	7.14
45.0	7.20
90.0	7.14
135.0	7.14
180.0	7.20
225.0	7.20
270.0	7.14
315.0	7.14
360.0	7.14