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

NT

LumCAT: 2-2688-L
Luminaire: 92.70.412.00
LampCAT: P2141-036-1206-P3090-1
Ballast type: AC
Report No: 2024227-B014
Test No: 2024227-C014
Number of Lamps: 1
Lamp flux(lm): 3316.0
Length(mm): 0
Phm Type: C

Voltage(V): 0.0000
Current(A): 0.0000
Power (W): 0.0000
PF: 0.0000
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 2712.54, Efficiency(%): 81.80% , Luminous Efficacy(lm/W): 0.00
Central intensity(cd): 6512.296, Maximum intensity(cd): 6512.296
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=35.4
[C90/270]Total=35.4
Field angle(10%Imax): [C0/180]Total=61.2
[C90/270]Total=61.2
Maximum s/h(1/2): C0_180=0.58 C90_270=0.58
Maximum s/h(1/4): C0_180=0.58 C90_270=0.58
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 81.80%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.671%

Equipment: GMS1980
Temperature(°C): 25.0
Date: 2024/2/27
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.65

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6512.296	0.000	0	0.00%	0.00%
1.0	6504.542	6.228	6.228	0.19%	0.23%
2.0	6484.059	18.642	24.871	0.56%	0.92%
3.0	6447.702	30.929	55.799	0.93%	2.06%
4.0	6389.691	42.971	98.77	1.30%	3.64%
5.0	6304.029	54.608	153.378	1.65%	5.65%
6.0	6198.835	65.706	219.084	1.98%	8.08%
7.0	6050.627	76.032	295.116	2.29%	10.88%
8.0	5878.570	85.375	380.491	2.57%	14.03%
9.0	5670.816	93.601	474.092	2.82%	17.48%
10.0	5439.652	100.546	574.638	3.03%	21.18%
11.0	5203.587	106.348	680.986	3.21%	25.11%
12.0	4946.014	110.950	791.936	3.35%	29.20%
13.0	4646.087	113.834	905.77	3.43%	33.39%
14.0	4366.934	115.366	1021.136	3.48%	37.64%
15.0	4071.249	115.843	1136.979	3.49%	41.92%
16.0	3757.569	114.714	1251.693	3.46%	46.14%
17.0	3469.053	112.538	1364.231	3.39%	50.29%
18.0	3172.197	109.500	1473.731	3.30%	54.33%
19.0	2907.749	105.779	1579.509	3.19%	58.23%
20.0	2648.275	101.691	1681.2	3.07%	61.98%
21.0	2366.708	96.298	1777.498	2.90%	65.53%
22.0	2130.936	90.382	1867.88	2.73%	68.86%
23.0	1916.963	84.936	1952.816	2.56%	71.99%
24.0	1709.062	79.278	2032.094	2.39%	74.91%
25.0	1495.169	72.857	2104.951	2.20%	77.60%
26.0	1296.639	65.901	2170.852	1.99%	80.03%
27.0	1173.171	60.424	2231.276	1.82%	82.26%
28.0	1025.921	55.676	2286.953	1.68%	84.31%
29.0	871.129	49.632	2336.585	1.50%	86.14%
30.0	726.952	43.148	2379.733	1.30%	87.73%
31.0	593.660	36.751	2416.483	1.11%	89.09%
32.0	471.560	30.517	2447.001	0.92%	90.21%
33.0	370.060	24.794	2471.795	0.75%	91.12%
34.0	285.743	19.847	2491.642	0.60%	91.86%
35.0	243.666	16.441	2508.083	0.50%	92.46%
36.0	193.819	13.930	2522.013	0.42%	92.98%
37.0	142.466	10.968	2532.98	0.33%	93.38%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	126.314	8.971	2541.952	0.27%	93.71%
39.0	114.602	8.223	2550.175	0.25%	94.01%
40.0	104.375	7.637	2557.812	0.23%	94.30%
41.0	95.940	7.133	2564.945	0.22%	94.56%
42.0	88.303	6.694	2571.639	0.20%	94.81%
43.0	81.324	6.283	2577.923	0.19%	95.04%
44.0	75.084	5.903	2583.826	0.18%	95.25%
45.0	69.942	5.574	2589.399	0.17%	95.46%
46.0	64.997	5.277	2594.677	0.16%	95.65%
47.0	61.054	5.013	2599.69	0.15%	95.84%
48.0	57.235	4.782	2604.472	0.14%	96.02%
49.0	53.921	4.565	2609.036	0.14%	96.18%
50.0	51.083	4.378	2613.414	0.13%	96.35%
51.0	48.354	4.207	2617.621	0.13%	96.50%
52.0	46.006	4.049	2621.671	0.12%	96.65%
53.0	43.885	3.910	2625.581	0.12%	96.79%
54.0	41.719	3.773	2629.354	0.11%	96.93%
55.0	39.803	3.639	2632.993	0.11%	97.07%
56.0	38.018	3.516	2636.509	0.11%	97.20%
57.0	36.203	3.394	2639.903	0.10%	97.32%
58.0	34.499	3.270	2643.172	0.10%	97.44%
59.0	32.882	3.150	2646.323	0.09%	97.56%
60.0	31.280	3.031	2649.354	0.09%	97.67%
61.0	29.890	2.919	2652.273	0.09%	97.78%
62.0	28.654	2.821	2655.094	0.09%	97.88%
63.0	27.418	2.727	2657.821	0.08%	97.98%
64.0	26.335	2.638	2660.459	0.08%	98.08%
65.0	25.574	2.569	2663.028	0.08%	98.17%
66.0	24.938	2.520	2665.548	0.08%	98.27%
67.0	24.236	2.473	2668.02	0.07%	98.36%
68.0	23.555	2.421	2670.441	0.07%	98.45%
69.0	23.182	2.384	2672.826	0.07%	98.54%
70.0	23.248	2.385	2675.21	0.07%	98.62%
71.0	23.453	2.414	2677.624	0.07%	98.71%
72.0	23.438	2.438	2680.062	0.07%	98.80%
73.0	22.882	2.422	2682.484	0.07%	98.89%
74.0	22.165	2.368	2684.853	0.07%	98.98%
75.0	21.595	2.312	2687.165	0.07%	99.06%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	21.024	2.262	2689.427	0.07%	99.15%
77.0	20.293	2.203	2691.63	0.07%	99.23%
78.0	19.532	2.132	2693.762	0.06%	99.31%
79.0	18.376	2.037	2695.799	0.06%	99.38%
80.0	17.096	1.912	2697.711	0.06%	99.45%
81.0	15.764	1.777	2699.488	0.05%	99.52%
82.0	14.835	1.659	2701.147	0.05%	99.58%
83.0	14.236	1.580	2702.728	0.05%	99.64%
84.0	13.826	1.529	2704.257	0.05%	99.69%
85.0	13.358	1.484	2705.74	0.04%	99.75%
86.0	12.926	1.437	2707.177	0.04%	99.80%
87.0	12.436	1.388	2708.565	0.04%	99.85%
88.0	12.136	1.346	2709.911	0.04%	99.90%
89.0	11.975	1.322	2711.233	0.04%	99.95%
90.0	11.902	1.309	2712.542	0.04%	100.00%

Zonal flux distribution table

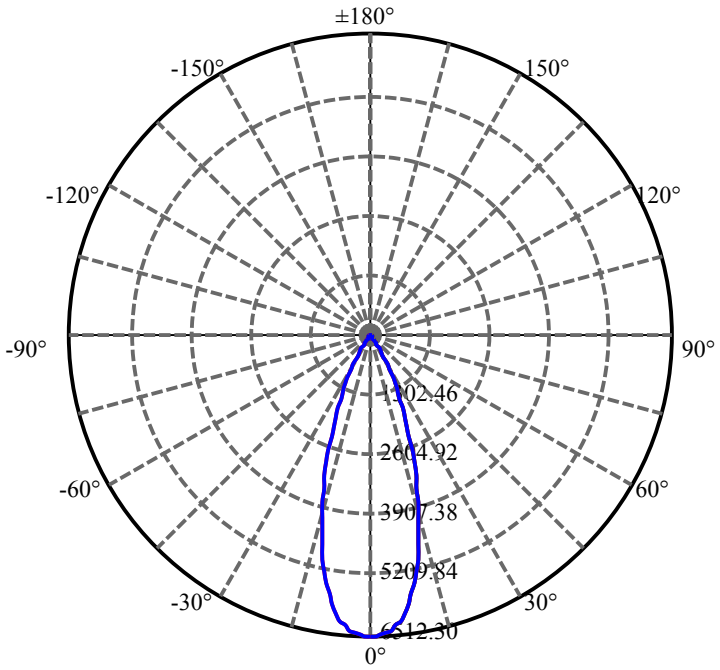
ZONAL LUMEN SUMMARY

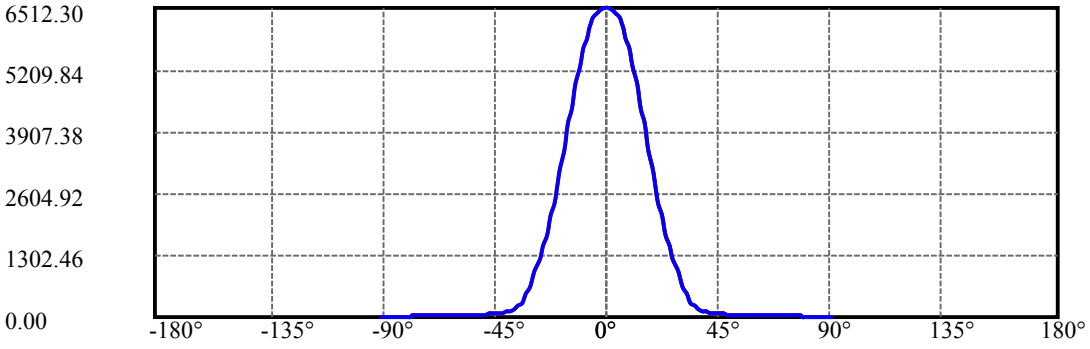
Zone	Lumens	%Lamp	%Fixt
0-30	2379.73	71.77%	87.73%
0-40	2557.81	77.14%	94.30%
0-60	2649.35	79.90%	97.67%
0-90	2711.23	81.76%	99.95%
0-120	2711.23	81.76%	99.95%
0-180	2712.54	81.80%	100.00%
60-90	61.88	1.87%	2.28%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.99	2170.03	65.44%	80.00%

ZONAL LUMEN SUMMARY

0-10	574.64
10-20	1106.56
20-30	698.53
30-40	178.08
40-50	55.60
50-60	35.94
60-70	25.86
70-80	22.50
80-90	13.52
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):

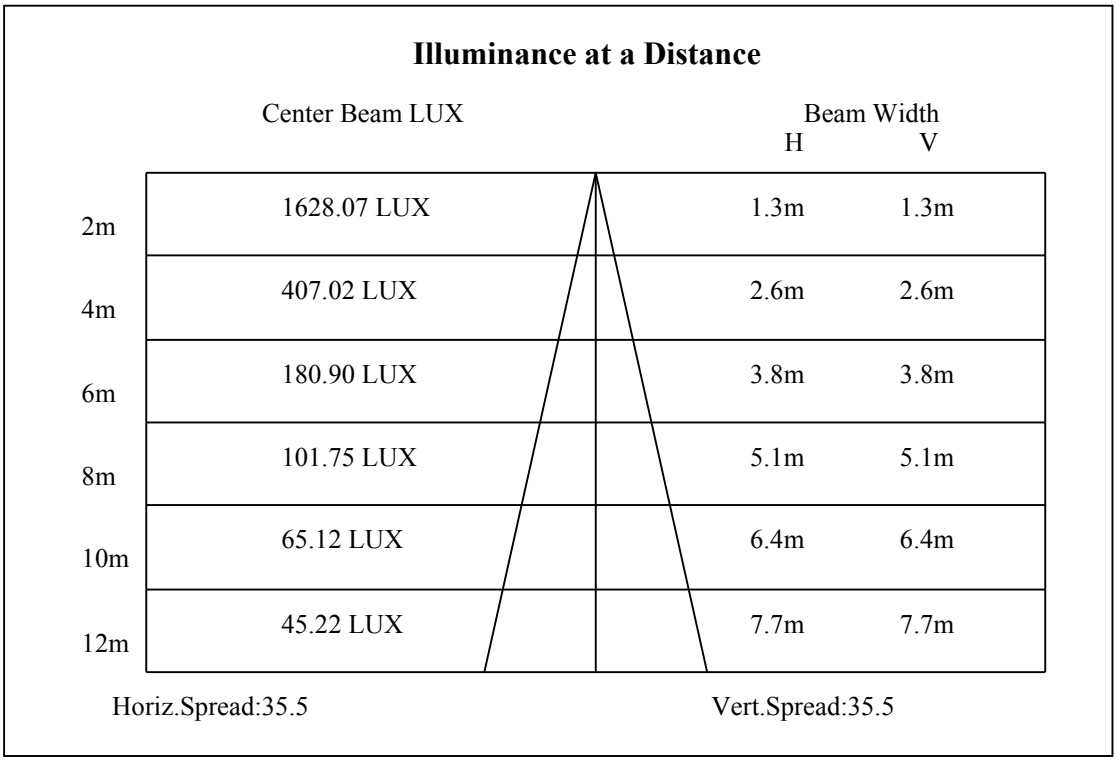
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:30.6 Right:30.6
:C90/270Left:30.6 Right:30.6

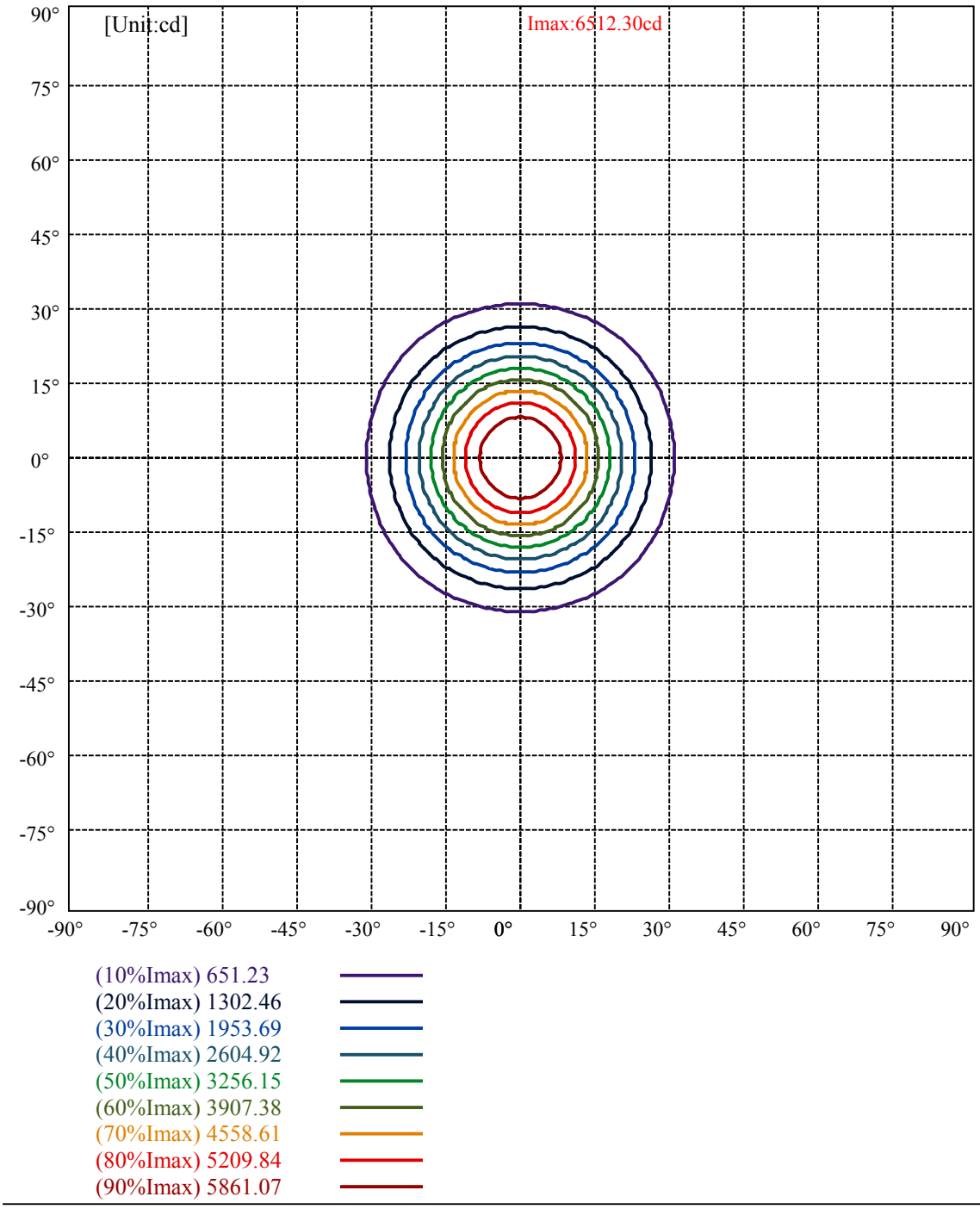
Beam Angle(50%Imax):C0/180Left:17.7 Right:17.7
:C90/270Left:17.7 Right:17.7

Lux distance Curve



Equipment: GMS1980 Date: 2024/2/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

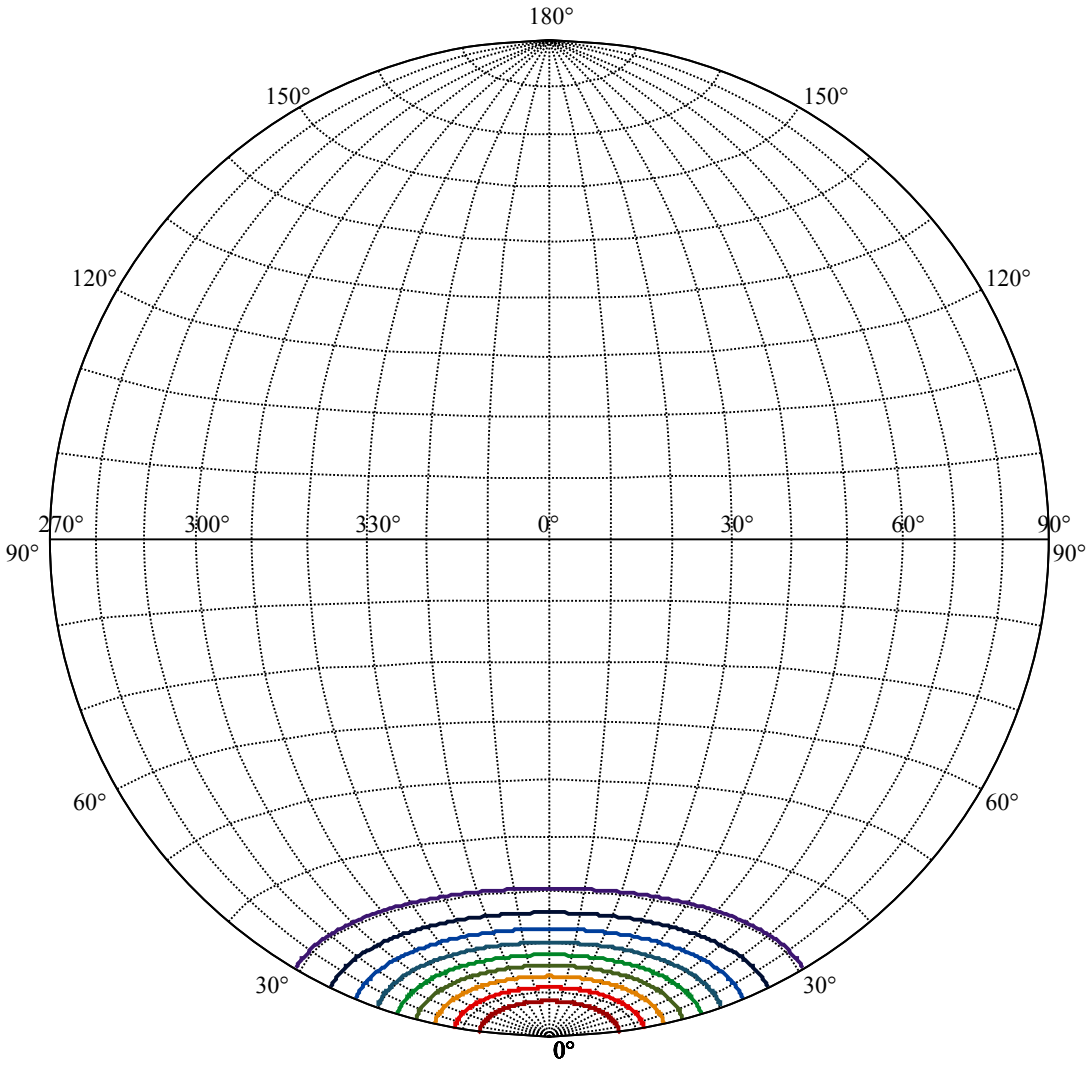


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

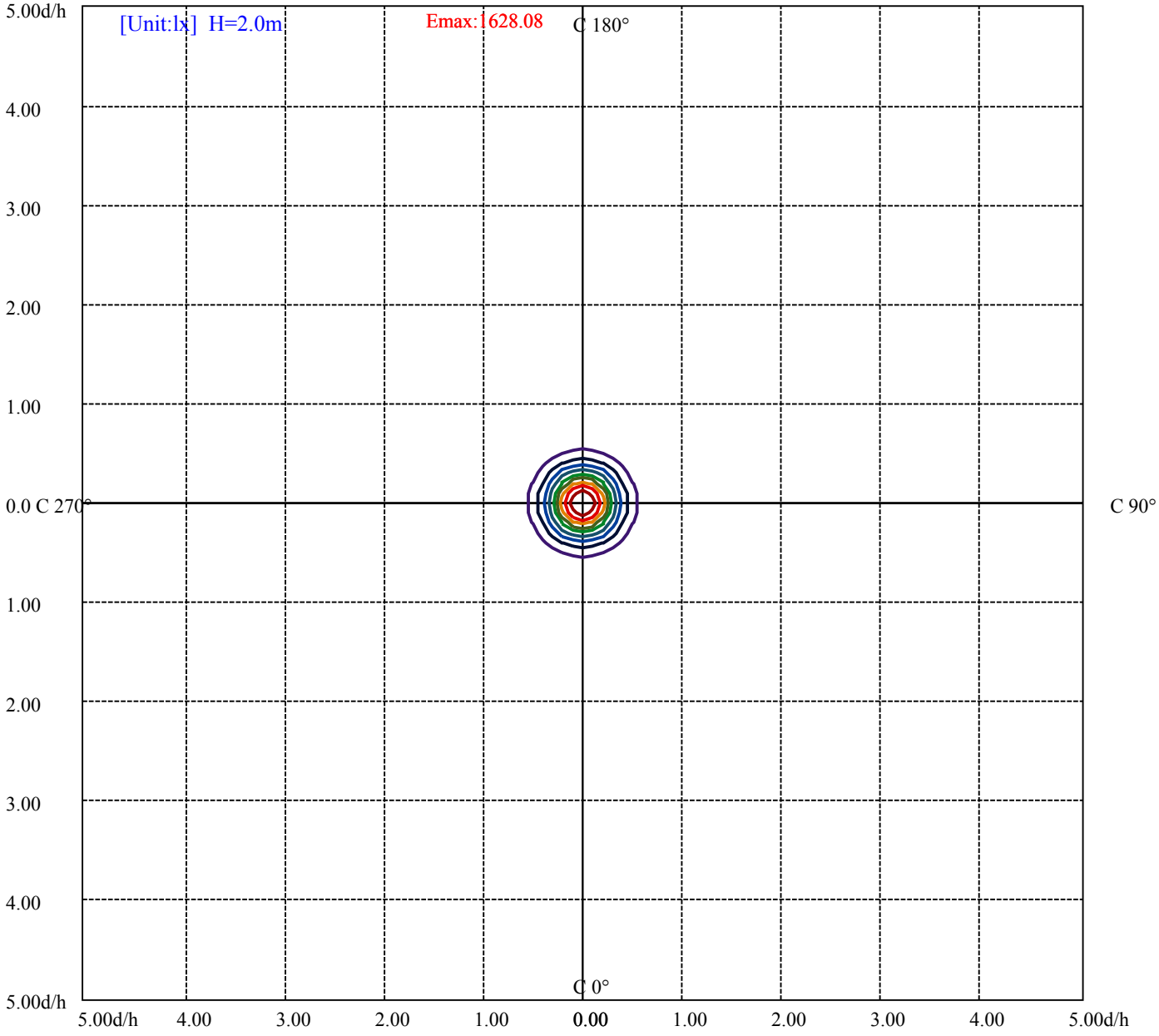
Imax:6512.30

(10%Imax) 651.23
(20%Imax) 1302.46
(30%Imax) 1953.69
(40%Imax) 2604.92
(50%Imax) 3256.15
(60%Imax) 3907.38
(70%Imax) 4558.61
(80%Imax) 5209.84
(90%Imax) 5861.07

Equipment: GMS1980	Date: 2024/2/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

NT 2-2688-L

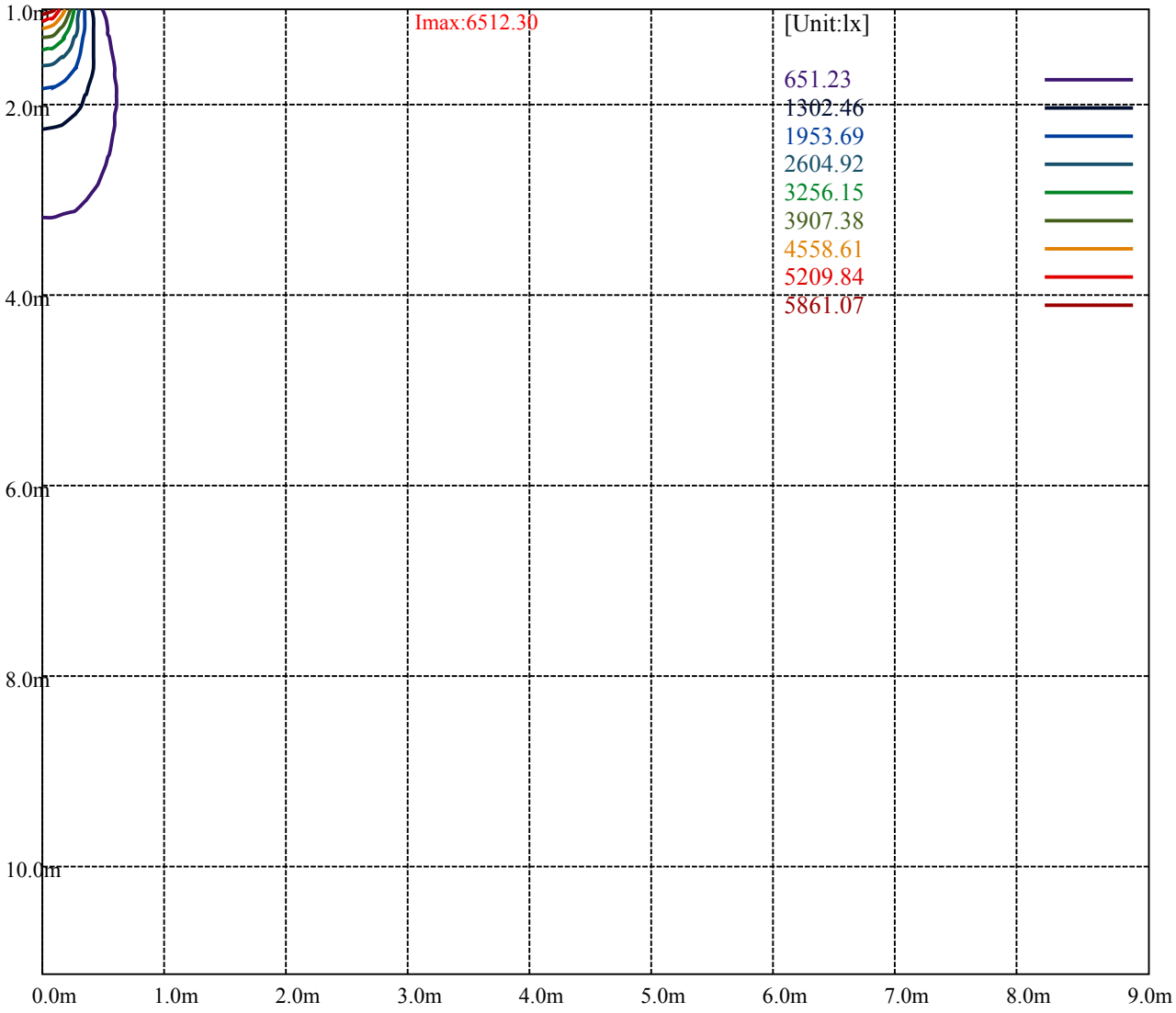
ISO illuminance diagram



(10%Emax) 162.8073
(20%Emax) 325.615
(30%Emax) 488.4225
(40%Emax) 651.23
(50%Emax) 814.0375
(60%Emax) 976.845
(70%Emax) 1139.652
(80%Emax) 1302.46
(90%Emax) 1465.267

Equipment: GMS1980
Temperature(°C): 25.0
Date: 2024/2/27
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2688-L

Luminance Limitting Curve(no luminous side)

Luminance Table

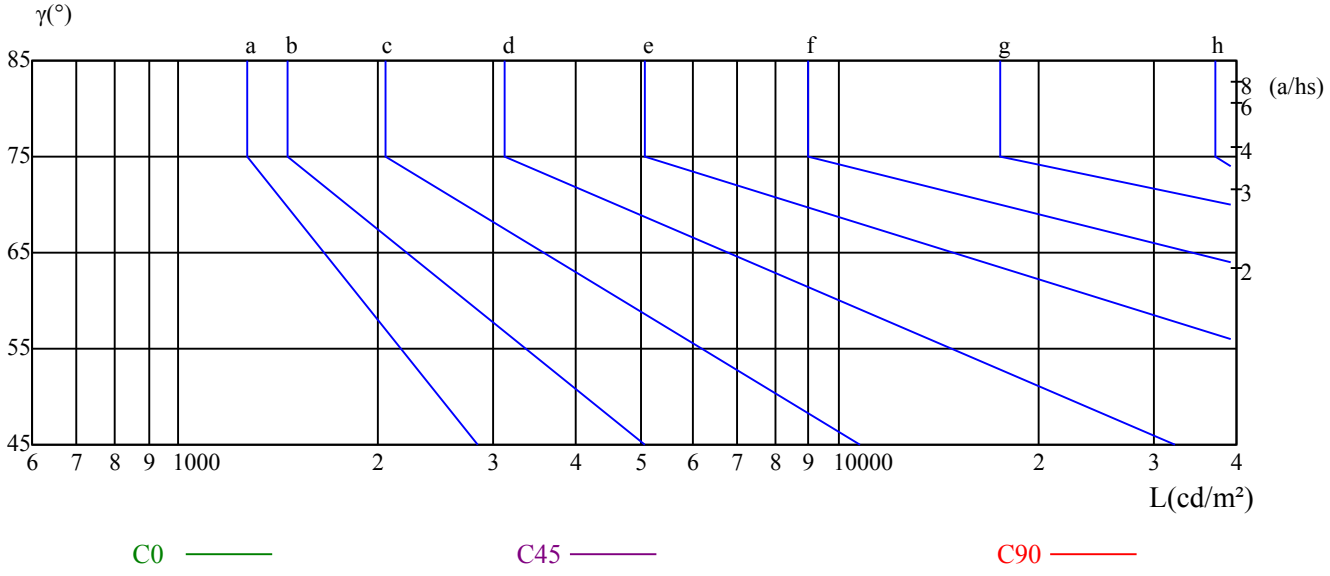
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

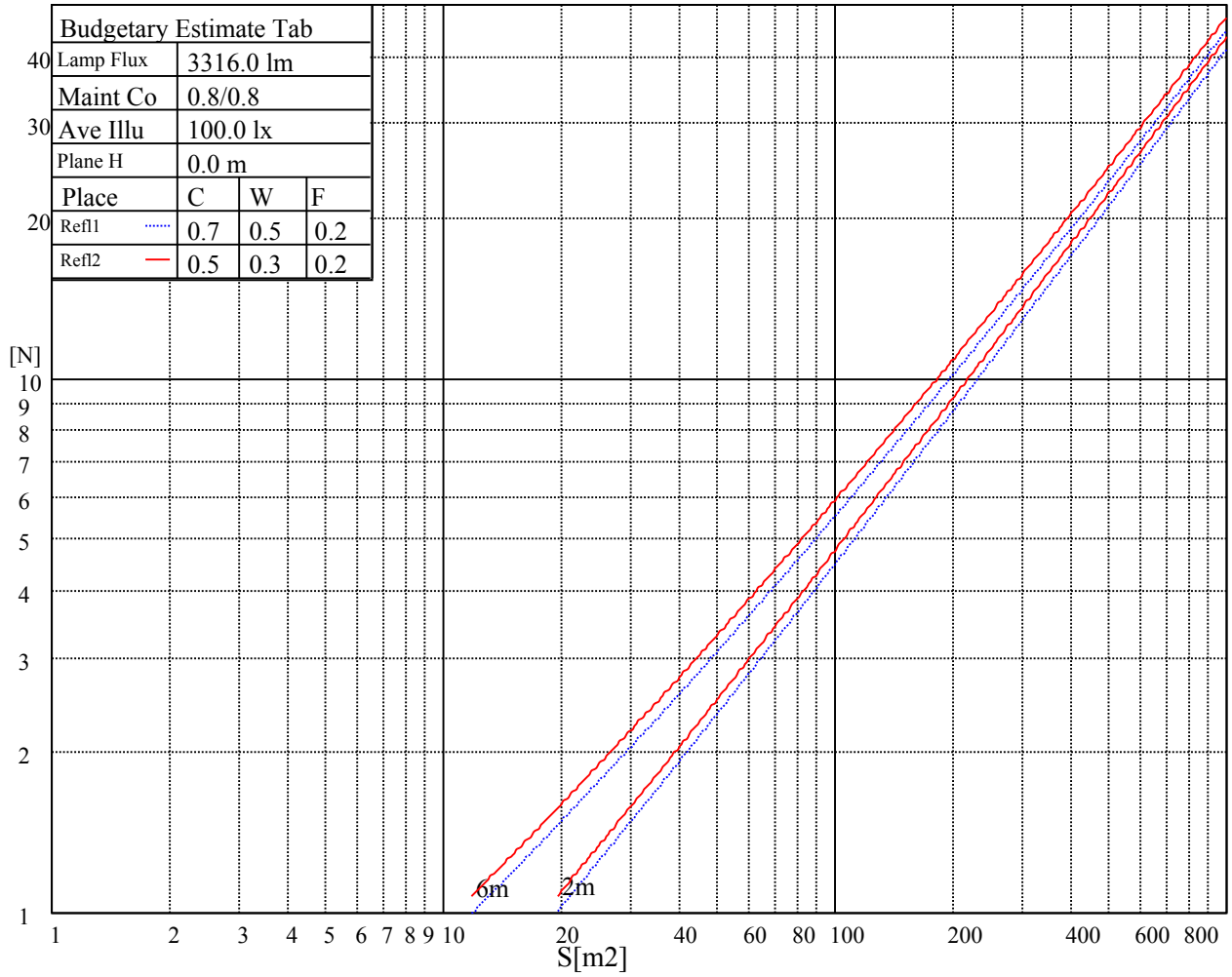
Date: 2024/2/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

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

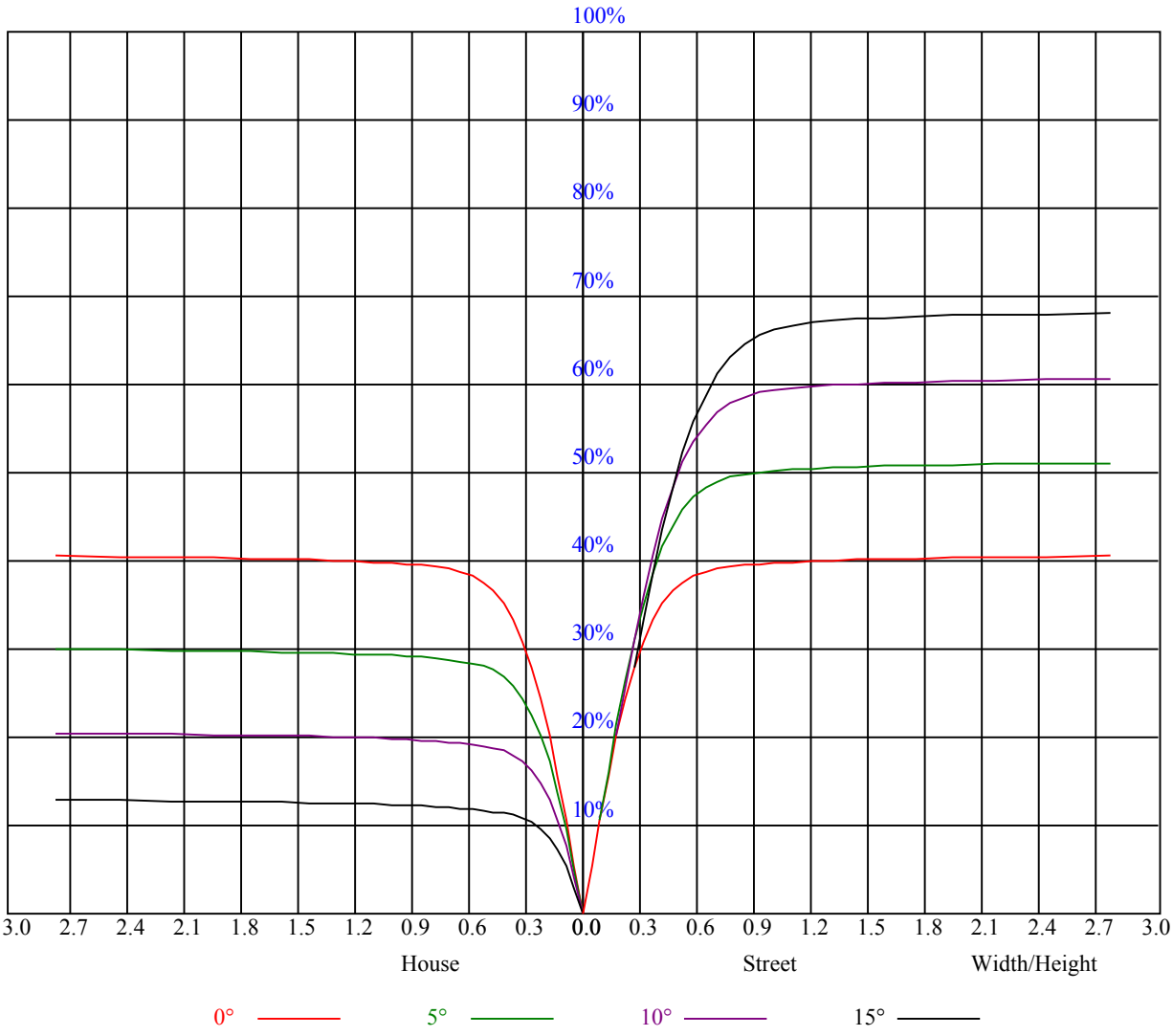


Equipment: GMS1980 Date: 2024/2/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

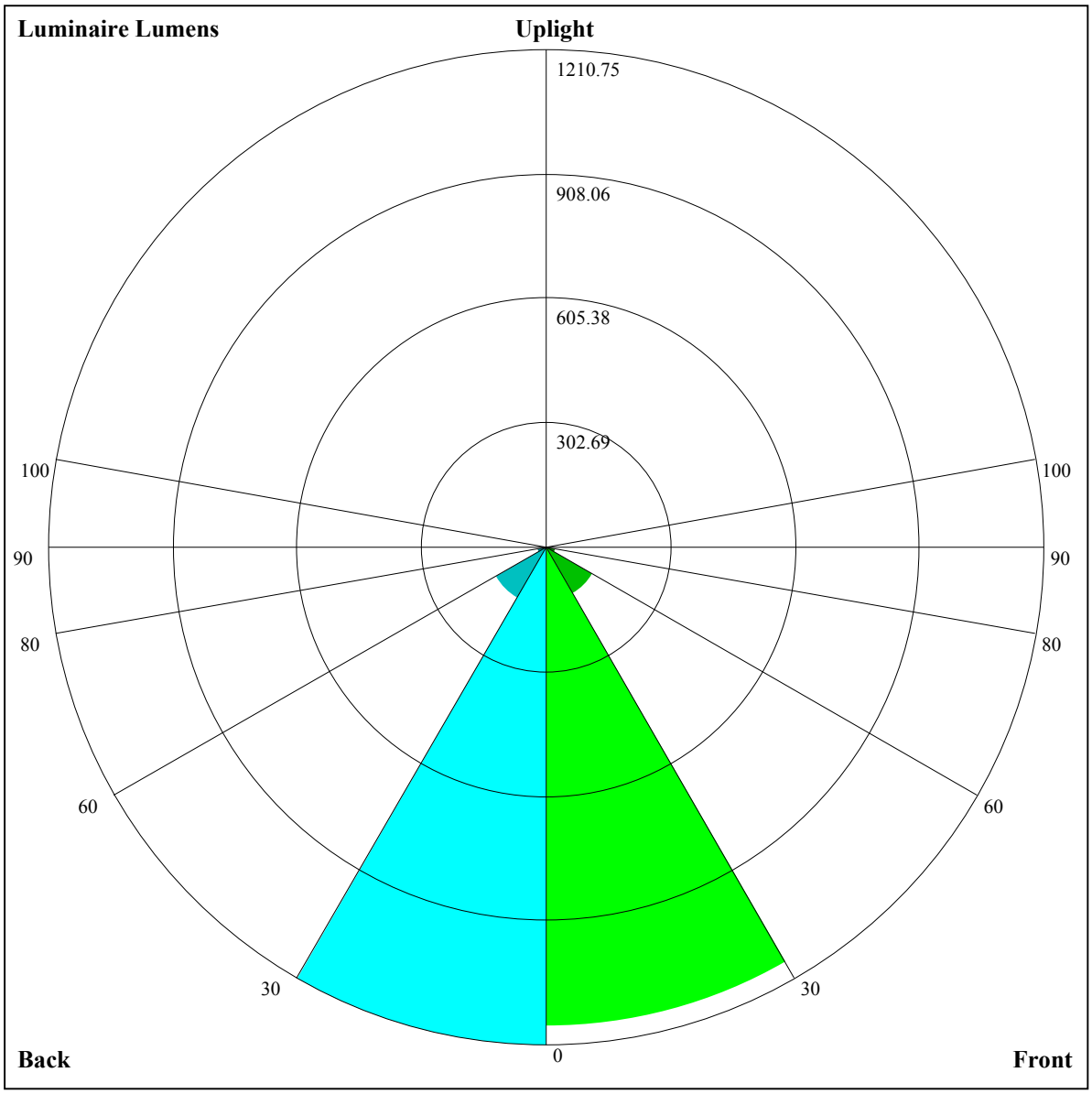
Utilization factor table for indoor luminaire

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	0.97	0.97	0.97	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.83	0.83	0.83	0.82
1	0.91	0.89	0.87	0.89	0.88	0.86	0.86	0.85	0.83	0.83	0.82	0.81	0.80	0.79	0.79	0.77
2	0.86	0.83	0.80	0.84	0.82	0.79	0.82	0.80	0.78	0.79	0.78	0.76	0.77	0.76	0.74	0.73
3	0.81	0.77	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.71	0.69
4	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
7	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.61	0.58	0.56	0.55
9	0.62	0.57	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.60	0.57	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.53	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/2/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1165.5,FM=132.39,FH=24.27,FVH=7.4
BL=1210.75,BM=141.67,BH=25.05,BVH=7.56
UL=0,UH=0

BUG Rating:B3-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	6485.52	6456.85	6405.35	6342.73	6253.77	6113.32	5970.52	5804.32	5610.61
45.0	6515.95	6512.44	6493.13	6455.68	6405.93	6328.10	6219.83	6092.25	5898.54
90.0	6522.39	6503.08	6480.84	6437.53	6367.89	6233.88	6096.93	5934.83	5744.04
135.0	6525.32	6521.81	6517.71	6491.96	6442.80	6369.06	6260.21	6074.69	5907.32
180.0	6485.52	6500.15	6507.76	6493.72	6466.21	6431.68	6366.72	6270.74	6112.73
225.0	6515.95	6508.93	6480.25	6445.14	6382.52	6302.35	6197.59	6014.42	5842.36
270.0	6522.39	6527.66	6514.78	6476.74	6434.61	6364.97	6287.72	6182.96	6043.09
315.0	6525.32	6505.42	6472.65	6438.12	6363.80	6288.89	6191.15	6030.80	5869.87
360.0	6485.52	6456.85	6405.35	6342.73	6253.77	6113.32	5970.52	5804.32	5610.61

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5343.16	5104.39	4856.26	4588.22	4250.55	3977.25	3697.51	3351.64	3093.56
45.0	5718.88	5502.93	5218.51	4968.03	4642.06	4369.35	4091.37	3739.65	3466.93
90.0	5469.57	5236.07	4983.83	4643.82	4372.86	4091.95	3734.38	3455.23	3125.75
135.0	5715.37	5450.26	5217.34	4963.35	4625.09	4350.62	4066.79	3777.10	3430.06
180.0	5950.04	5774.47	5569.64	5343.16	5039.43	4772.57	4496.93	4148.72	3869.57
225.0	5649.24	5380.03	5141.26	4895.47	4630.94	4364.67	4017.63	3741.40	3469.27
270.0	5837.09	5643.38	5441.48	5204.46	4898.98	4635.63	4364.67	4019.97	3741.99
315.0	5683.18	5425.68	5200.37	4961.60	4708.78	4373.44	4100.73	3826.84	3555.30
360.0	5343.16	5104.39	4856.26	4588.22	4250.55	3977.25	3697.51	3351.64	3093.56

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2782.22	2534.67	2292.97	2068.83	1831.81	1662.68	1356.02	1146.22	1106.66
45.0	3207.68	2952.52	2641.76	2395.97	2166.56	1959.39	1741.10	1566.12	1390.55
90.0	2874.68	2627.72	2383.09	2096.33	1896.19	1725.30	1558.51	1139.84	1139.84
135.0	3168.47	2915.06	2664.59	2361.44	2136.71	1934.81	1720.03	1548.56	1331.45
180.0	3527.21	3265.61	2998.75	2666.34	2433.42	2210.45	2002.11	1774.46	1617.04
225.0	3132.18	2874.68	2623.04	2324.57	2099.85	1853.47	1683.75	1512.87	1137.33
270.0	3469.86	3140.38	2882.29	2625.38	2319.31	2089.31	1886.24	1714.18	1504.67
315.0	3215.28	2951.35	2699.70	2394.80	2163.64	1900.28	1724.72	1559.10	1145.58
360.0	2782.22	2534.67	2292.97	2068.83	1831.81	1662.68	1356.02	1146.22	1106.66

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	954.33	816.80	692.09	544.73	439.21	343.47	243.34	187.51	158.07
45.0	1180.46	1023.62	880.82	720.47	599.33	464.14	366.41	302.62	302.62
90.0	1023.09	884.74	720.53	599.09	460.69	363.31	278.63	210.10	160.41
135.0	1165.24	1014.25	873.21	710.52	589.97	477.02	374.02	307.30	307.30
180.0	1442.64	1271.75	1079.21	927.64	790.70	628.59	509.79	376.36	307.30
225.0	1137.33	988.68	848.52	716.26	563.86	454.60	356.11	272.36	192.48
270.0	1336.71	1174.02	984.41	843.95	709.94	558.95	450.68	354.12	311.40
315.0	1145.58	1033.51	890.24	752.95	595.58	482.40	381.51	275.58	209.74
360.0	954.33	816.80	692.09	544.73	439.21	343.47	243.34	187.51	158.07

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	137.88	125.12	111.84	102.82	94.75	87.49	81.00	73.80	68.82
45.0	168.84	144.73	130.74	119.39	109.85	99.61	92.23	85.62	78.19
90.0	143.26	130.04	118.92	107.33	99.25	92.11	84.21	78.42	73.21
135.0	158.71	140.57	123.95	113.42	102.12	94.22	87.55	80.00	74.50
180.0	307.30	161.52	138.17	125.12	114.41	105.22	95.04	87.84	81.35
225.0	155.85	137.76	121.90	111.43	100.07	92.17	85.15	78.83	71.98
270.0	311.40	154.03	136.83	120.73	110.37	101.30	93.28	84.68	78.60
315.0	167.32	145.96	128.16	116.58	104.17	95.39	87.96	81.40	74.03
360.0	137.88	125.12	111.84	102.82	94.75	87.49	81.00	73.80	68.82

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	64.37	60.40	56.12	53.08	49.74	47.34	45.18	42.66	40.79
45.0	72.92	67.24	63.15	59.46	55.30	52.32	49.69	47.46	44.77
90.0	67.36	63.32	59.63	55.65	52.67	49.92	46.94	44.71	42.66
135.0	69.58	64.08	60.34	56.94	53.67	50.04	47.58	45.35	43.25
180.0	75.49	69.17	64.73	59.81	56.47	53.37	49.98	47.52	45.24
225.0	67.36	63.20	59.63	55.71	52.96	50.50	47.70	45.65	43.77
270.0	73.27	67.65	63.67	60.22	56.42	53.72	51.32	48.40	46.29
315.0	69.17	64.90	61.16	57.00	54.13	51.44	48.46	46.29	44.30
360.0	64.37	60.40	56.12	53.08	49.74	47.34	45.18	42.66	40.79

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	39.03	36.87	35.11	33.47	32.07	30.26	28.97	27.74	26.63
45.0	42.78	40.91	39.15	37.40	35.23	33.71	31.72	30.20	29.03
90.0	40.73	38.51	36.75	35.00	33.47	31.66	30.14	28.62	27.51
135.0	40.85	39.09	37.28	35.23	33.65	31.84	30.31	28.97	27.80
180.0	42.60	40.67	38.86	37.28	35.05	33.53	32.13	30.72	29.09
225.0	41.49	39.85	38.27	36.23	34.82	33.47	31.84	30.61	29.50
270.0	44.42	42.49	40.26	38.68	36.99	35.35	33.59	32.13	30.78
315.0	41.84	40.03	38.45	36.34	34.70	33.24	31.54	30.14	28.91
360.0	39.03	36.87	35.11	33.47	32.07	30.26	28.97	27.74	26.63

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.28	24.46	23.41	22.59	21.83	21.07	20.42	19.84	19.61
45.0	27.68	26.51	25.57	24.46	23.76	23.47	23.41	23.99	24.46
90.0	26.39	25.16	24.35	23.53	22.88	23.06	23.70	24.87	24.64
135.0	26.39	25.40	24.52	23.64	22.71	21.89	21.19	20.66	19.84
180.0	27.97	26.98	25.63	24.81	23.88	23.23	22.47	21.89	21.24
225.0	28.44	27.21	26.39	25.63	24.87	23.99	23.94	24.40	25.57
270.0	29.38	28.56	29.32	30.31	30.20	29.03	28.27	28.97	31.37
315.0	27.80	26.39	25.40	24.52	23.76	22.71	22.06	21.36	20.89
360.0	25.28	24.46	23.41	22.59	21.83	21.07	20.42	19.84	19.61

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.37	18.96	18.73	17.91	17.32	16.74	16.04	15.27	14.75
45.0	24.23	23.23	22.77	22.18	20.19	19.61	18.38	16.85	15.51
90.0	22.53	22.36	22.53	20.42	20.95	20.01	18.67	16.50	14.81
135.0	19.25	18.73	18.38	17.91	17.38	16.97	16.50	16.04	15.39
180.0	20.72	20.19	19.96	19.96	19.43	19.14	18.38	17.56	16.85
225.0	27.27	27.80	27.15	27.56	26.86	26.22	24.87	23.53	20.48
270.0	33.71	31.95	28.44	27.92	27.62	25.75	25.98	24.35	22.47
315.0	20.42	19.84	19.37	18.90	18.43	17.91	17.44	16.91	16.50
360.0	19.37	18.96	18.73	17.91	17.32	16.74	16.04	15.27	14.75

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.34	13.87	13.52	13.11	12.58	12.29	12.11	12.00	11.94
45.0	14.98	14.57	14.05	13.69	13.17	12.64	12.35	12.11	11.88
90.0	14.28	13.93	13.58	13.05	12.64	12.35	12.11	11.94	11.94
135.0	14.98	14.46	14.10	13.81	12.93	12.52	12.23	12.17	11.88
180.0	15.68	15.10	14.63	14.34	14.05	13.81	12.82	12.23	12.06
225.0	16.85	15.10	14.57	14.28	13.99	13.17	12.52	12.11	11.82
270.0	19.20	16.39	14.75	14.22	13.93	13.58	12.87	12.35	12.11
315.0	15.80	15.27	14.69	14.10	13.58	13.05	12.47	12.17	12.17
360.0	14.34	13.87	13.52	13.11	12.58	12.29	12.11	12.00	11.94

Intensity data(cd)

C/γ(°)	90.0
0.0	11.94
45.0	12.06
90.0	11.94
135.0	11.94
180.0	11.76
225.0	11.88
270.0	11.88
315.0	11.82
360.0	11.94