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NT

LumCAT: 2-2689-L
Luminaire: 92.70.412.00
LampCAT: P2141-036-1206-P3090-1
Ballast type: AC
Report No: 2024227-B017
Test No: 2024227-C017
Number of Lamps: 1
Lamp flux(lm): 3316.0
Length(mm): 0
Phm Type: C
Voltage(V): 35.9300
Current(A): 0.7010
Power (W): 25.1860
PF: 0.0000
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 2737.39, Efficiency(%): 82.55% , Luminous Efficacy(lm/W): 108.69
Central intensity(cd): 5102.928, Maximum intensity(cd): 5102.928
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=43.0
[C90/270]Total=43.0
Field angle(10%Imax): [C0/180]Total=67.0
[C90/270]Total=67.0
Maximum s/h(1/2): C0_180=0.69 C90_270=0.69
Maximum s/h(1/4): C0_180=0.68 C90_270=0.68
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.55%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.870%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5102.928	0.000	0	0.00%	0.00%
1.0	5098.831	4.881	4.881	0.15%	0.18%
2.0	5086.176	14.618	19.5	0.44%	0.71%
3.0	5063.864	24.276	43.775	0.73%	1.60%
4.0	5025.312	33.772	77.547	1.02%	2.83%
5.0	4974.837	43.020	120.567	1.30%	4.40%
6.0	4910.096	51.948	172.515	1.57%	6.30%
7.0	4828.384	60.447	232.962	1.82%	8.51%
8.0	4729.920	68.407	301.369	2.06%	11.01%
9.0	4617.630	75.757	377.126	2.28%	13.78%
10.0	4488.222	82.405	459.53	2.49%	16.79%
11.0	4353.255	88.345	547.875	2.66%	20.01%
12.0	4185.953	93.346	641.22	2.82%	23.42%
13.0	4027.358	97.471	738.692	2.94%	26.99%
14.0	3863.421	101.001	839.693	3.05%	30.67%
15.0	3698.242	103.810	943.503	3.13%	34.47%
16.0	3524.137	105.828	1049.331	3.19%	38.33%
17.0	3357.568	107.167	1156.498	3.23%	42.25%
18.0	3188.657	107.933	1264.431	3.25%	46.19%
19.0	3006.433	107.782	1372.213	3.25%	50.13%
20.0	2834.157	106.899	1479.112	3.22%	54.03%
21.0	2647.543	105.260	1584.371	3.17%	57.88%
22.0	2458.516	102.608	1686.98	3.09%	61.63%
23.0	2281.119	99.450	1786.43	3.00%	65.26%
24.0	2102.845	95.849	1882.279	2.89%	68.76%
25.0	1899.918	91.014	1973.293	2.74%	72.09%
26.0	1664.855	84.147	2057.44	2.54%	75.16%
27.0	1504.599	77.541	2134.982	2.34%	77.99%
28.0	1322.908	71.586	2206.568	2.16%	80.61%
29.0	1147.107	64.623	2271.191	1.95%	82.97%
30.0	999.147	57.948	2329.139	1.75%	85.09%
31.0	842.717	51.256	2380.396	1.55%	86.96%
32.0	696.059	44.084	2424.48	1.33%	88.57%
33.0	565.554	37.168	2461.647	1.12%	89.93%
34.0	457.609	30.964	2492.611	0.93%	91.06%
35.0	368.853	25.667	2518.278	0.77%	92.00%
36.0	299.438	21.278	2539.557	0.64%	92.77%
37.0	236.636	17.484	2557.04	0.53%	93.41%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	191.551	14.292	2571.333	0.43%	93.93%
39.0	158.150	11.936	2583.269	0.36%	94.37%
40.0	116.452	9.577	2592.846	0.29%	94.72%
41.0	97.725	7.627	2600.473	0.23%	95.00%
42.0	84.689	6.627	2607.1	0.20%	95.24%
43.0	74.697	5.904	2613.004	0.18%	95.46%
44.0	67.879	5.381	2618.386	0.16%	95.65%
45.0	62.831	5.023	2623.409	0.15%	95.84%
46.0	58.844	4.758	2628.167	0.14%	96.01%
47.0	55.479	4.547	2632.714	0.14%	96.18%
48.0	52.604	4.369	2637.084	0.13%	96.34%
49.0	50.015	4.214	2641.298	0.13%	96.49%
50.0	47.550	4.068	2645.366	0.12%	96.64%
51.0	45.384	3.932	2649.297	0.12%	96.78%
52.0	43.160	3.800	2653.097	0.11%	96.92%
53.0	41.214	3.670	2656.767	0.11%	97.05%
54.0	39.291	3.548	2660.316	0.11%	97.18%
55.0	37.301	3.419	2663.734	0.10%	97.31%
56.0	35.626	3.295	2667.03	0.10%	97.43%
57.0	33.994	3.183	2670.213	0.10%	97.55%
58.0	32.363	3.069	2673.282	0.09%	97.66%
59.0	30.805	2.953	2676.235	0.09%	97.77%
60.0	29.210	2.835	2679.07	0.09%	97.87%
61.0	27.703	2.716	2681.786	0.08%	97.97%
62.0	25.984	2.587	2684.373	0.08%	98.06%
63.0	24.587	2.460	2686.832	0.07%	98.15%
64.0	23.255	2.348	2689.18	0.07%	98.24%
65.0	22.209	2.250	2691.43	0.07%	98.32%
66.0	21.280	2.170	2693.6	0.07%	98.40%
67.0	20.629	2.107	2695.707	0.06%	98.48%
68.0	20.263	2.071	2697.779	0.06%	98.55%
69.0	20.183	2.063	2699.842	0.06%	98.63%
70.0	20.183	2.073	2701.915	0.06%	98.70%
71.0	19.920	2.073	2703.988	0.06%	98.78%
72.0	19.795	2.065	2706.053	0.06%	98.86%
73.0	19.846	2.073	2708.126	0.06%	98.93%
74.0	19.473	2.067	2710.193	0.06%	99.01%
75.0	19.144	2.040	2712.234	0.06%	99.08%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.917	2.020	2714.254	0.06%	99.15%
77.0	18.574	1.999	2716.253	0.06%	99.23%
78.0	17.952	1.955	2718.208	0.06%	99.30%
79.0	17.286	1.893	2720.101	0.06%	99.37%
80.0	16.803	1.838	2721.939	0.06%	99.44%
81.0	16.467	1.799	2723.738	0.05%	99.50%
82.0	16.130	1.768	2725.506	0.05%	99.57%
83.0	15.604	1.725	2727.231	0.05%	99.63%
84.0	14.894	1.661	2728.893	0.05%	99.69%
85.0	14.002	1.577	2730.47	0.05%	99.75%
86.0	13.248	1.489	2731.959	0.04%	99.80%
87.0	12.663	1.418	2733.377	0.04%	99.85%
88.0	12.246	1.364	2734.742	0.04%	99.90%
89.0	12.056	1.332	2736.074	0.04%	99.95%
90.0	11.909	1.314	2737.388	0.04%	100.00%

Zonal flux distribution table

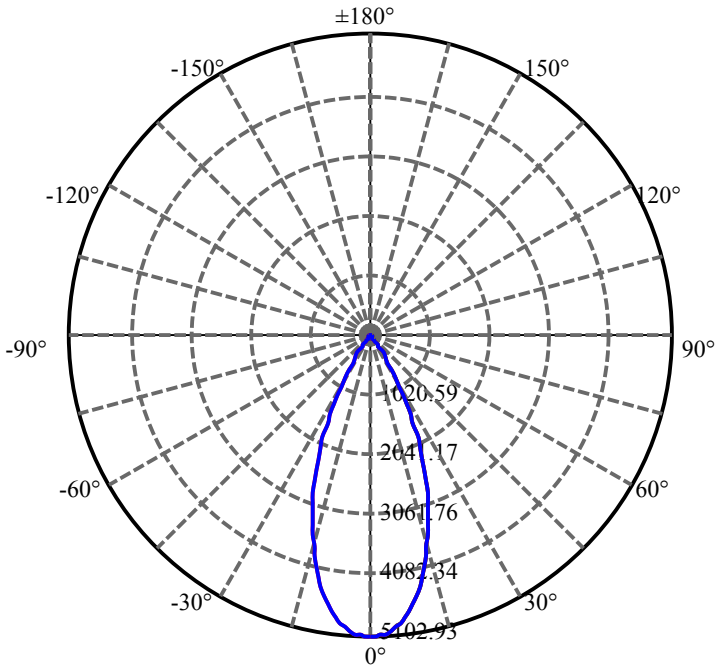
ZONAL LUMEN SUMMARY

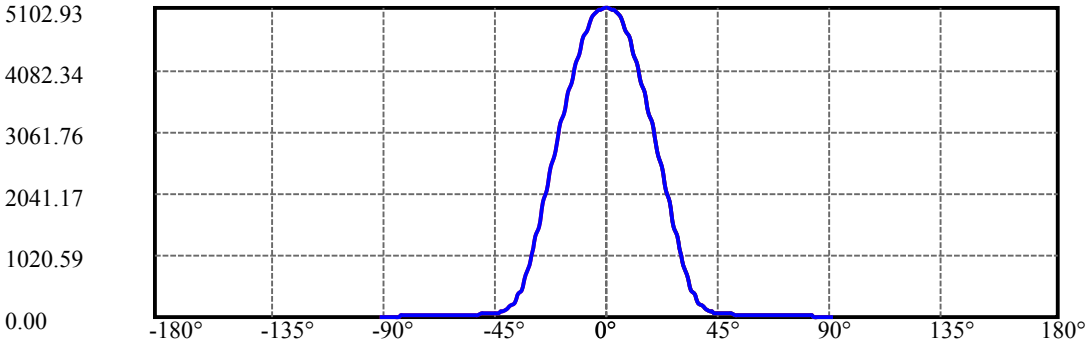
Zone	Lumens	%Lamp	%Fixt
0-30	2329.14	70.24%	85.09%
0-40	2592.85	78.19%	94.72%
0-60	2679.07	80.79%	97.87%
0-90	2736.07	82.51%	99.95%
0-120	2736.07	82.51%	99.95%
0-180	2737.39	82.55%	100.00%
60-90	57.00	1.72%	2.08%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.77	2189.91	66.04%	80.00%

ZONAL LUMEN SUMMARY

0-10	459.53
10-20	1019.58
20-30	850.03
30-40	263.71
40-50	52.52
50-60	33.70
60-70	22.85
70-80	20.02
80-90	14.13
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):

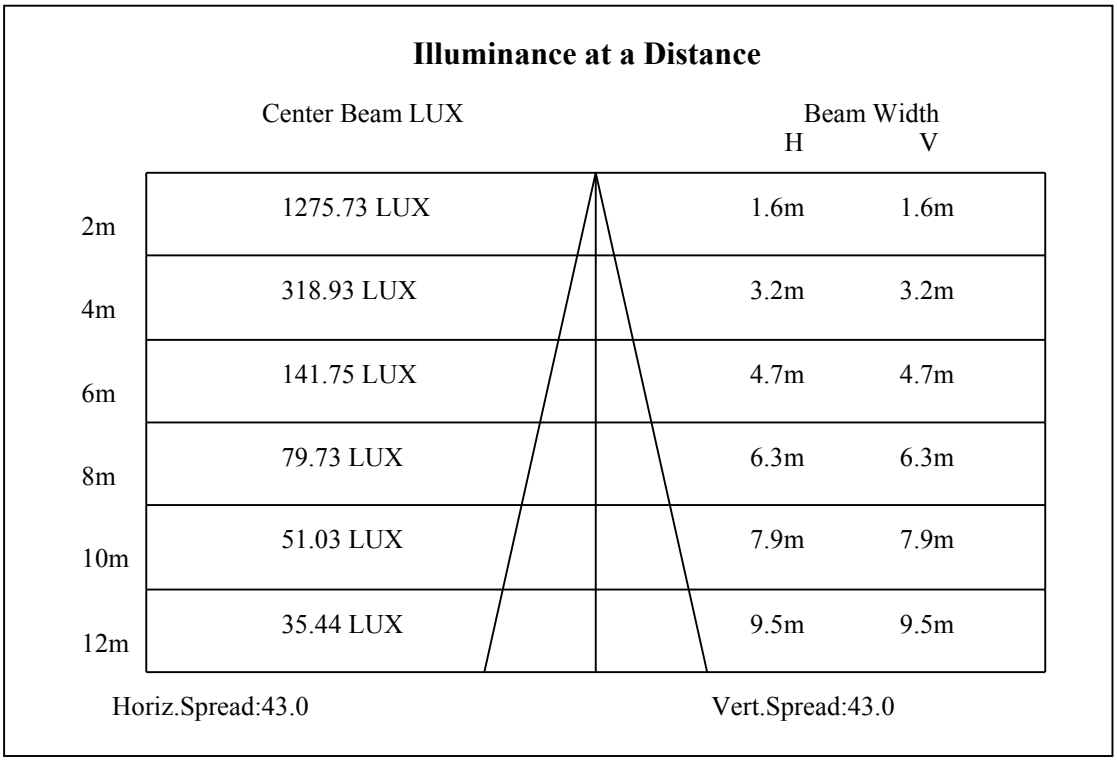
C0/C180:

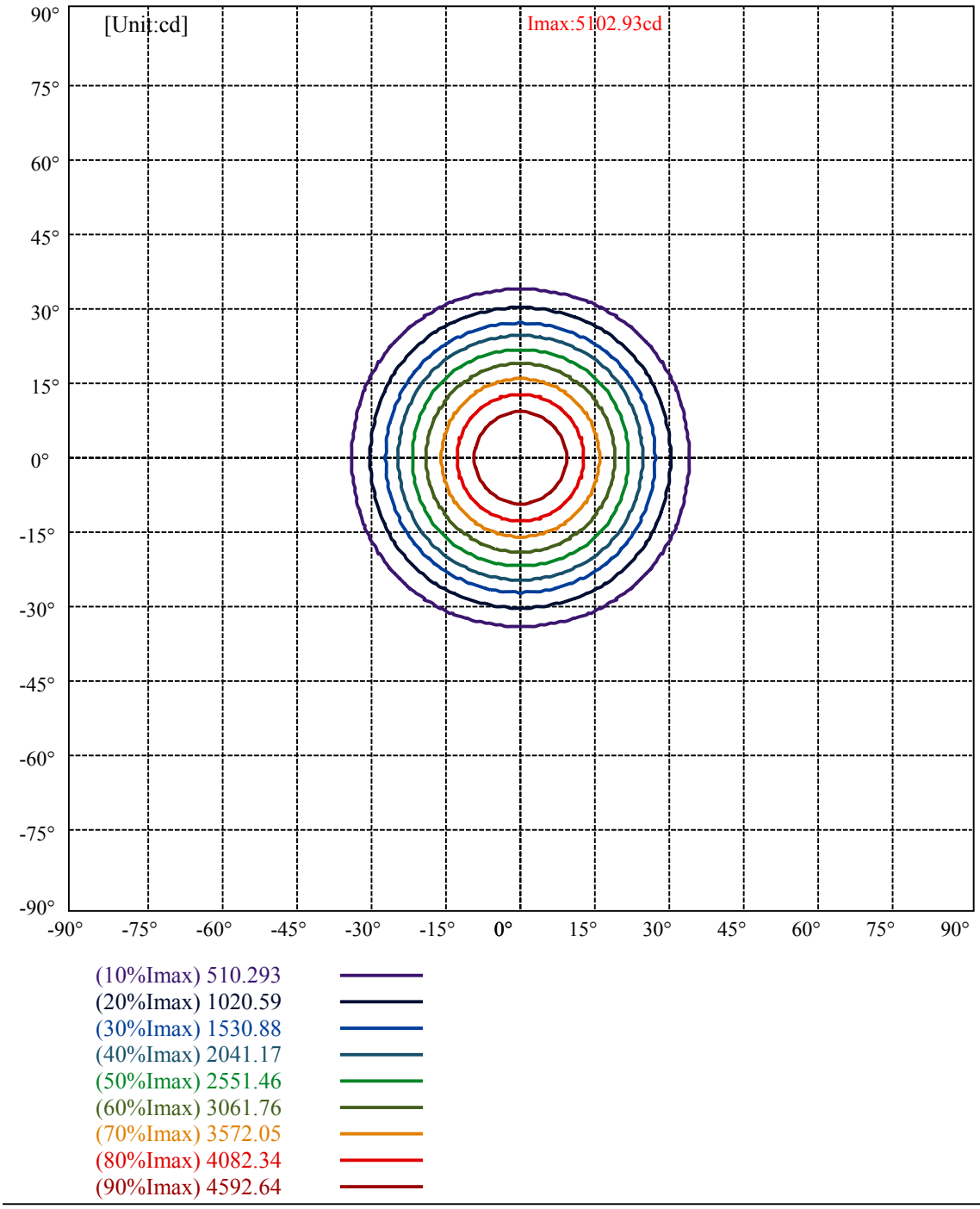
C90/C270:

Field angle(10%Imax):C0/180Left:33.5 Right:33.5
:C90/270Left:33.5 Right:33.5

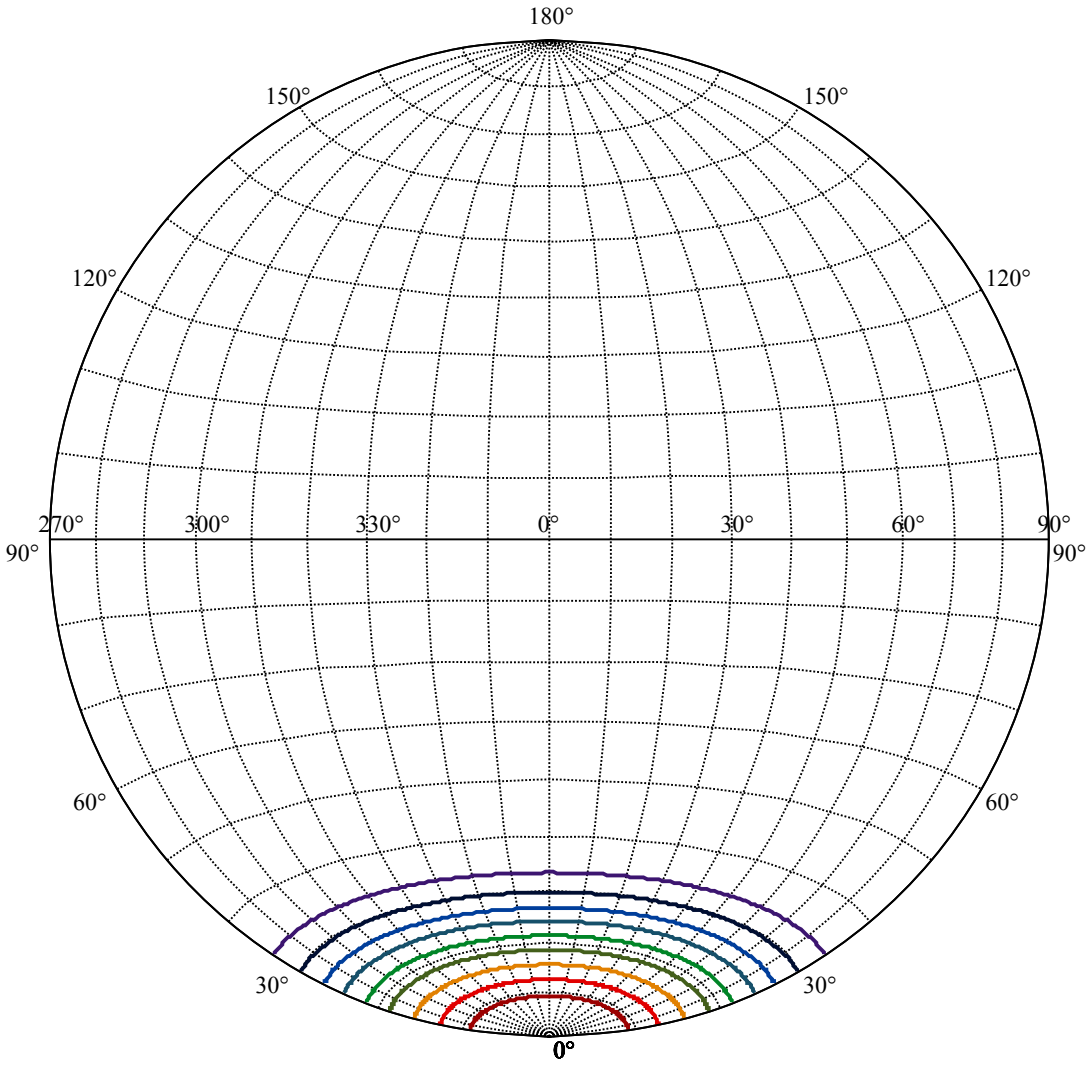
Beam Angle(50%Imax):C0/180Left:21.5 Right:21.5
:C90/270Left:21.5 Right:21.5

Lux distance Curve




[Unit:cd]
Imax:5102.93cd
90°
75°
60°
45°
30°
15°
0°
-15°
-30°
-45°
-60°
-75°
-90°
-90° -75° -60° -45° -30° -15° 0° 15° 30° 45° 60° 75° 90°
(10%Imax) 510.293
(20%Imax) 1020.59
(30%Imax) 1530.88
(40%Imax) 2041.17
(50%Imax) 2551.46
(60%Imax) 3061.76
(70%Imax) 3572.05
(80%Imax) 4082.34
(90%Imax) 4592.64

ISO candela diagram on circular web



House [Unit:cd] Road

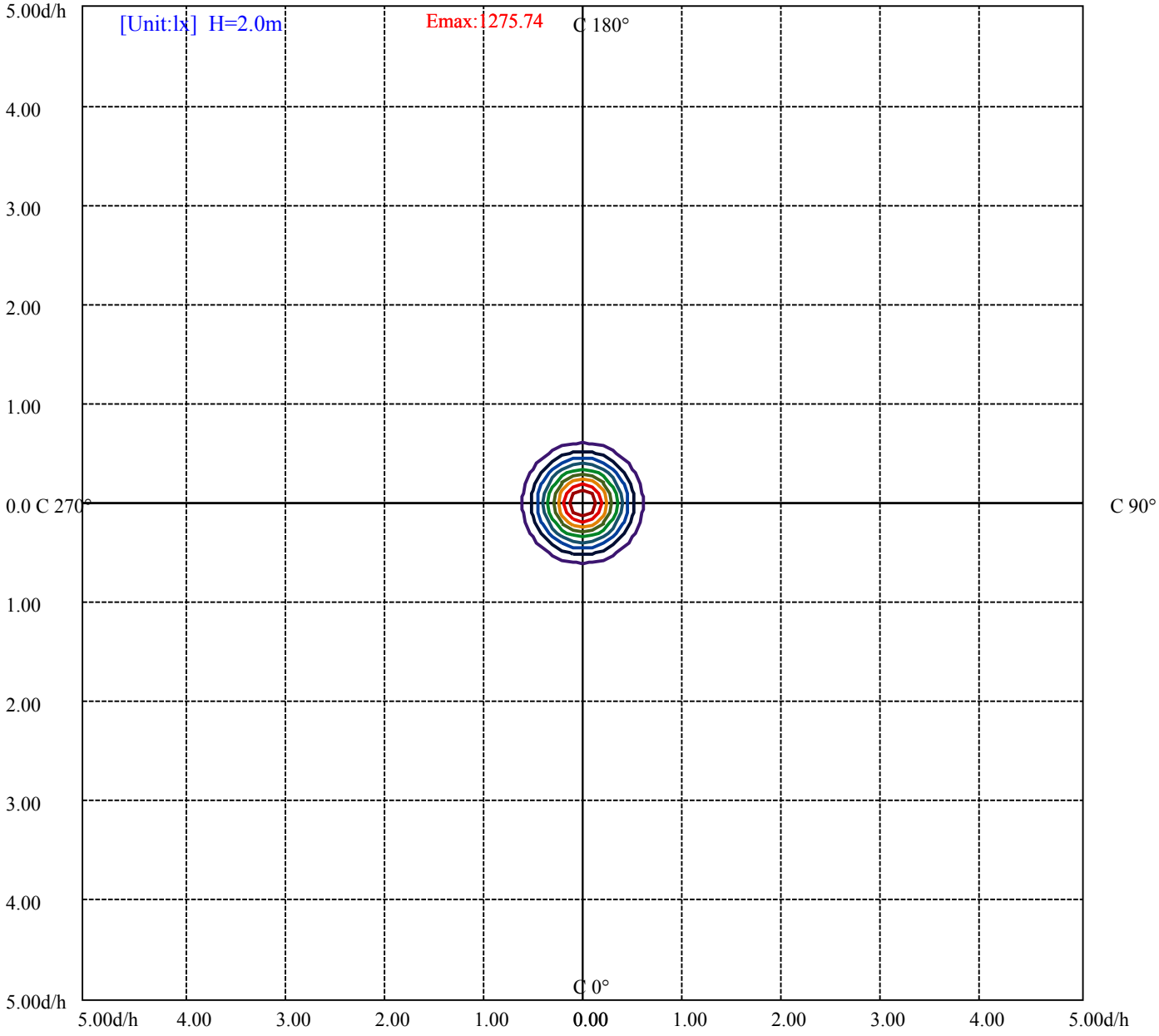
Imax:5102.93

(10%Imax) 510.293
(20%Imax) 1020.59
(30%Imax) 1530.88
(40%Imax) 2041.17
(50%Imax) 2551.46
(60%Imax) 3061.76
(70%Imax) 3572.05
(80%Imax) 4082.34
(90%Imax) 4592.64

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

NT 2-2689-L

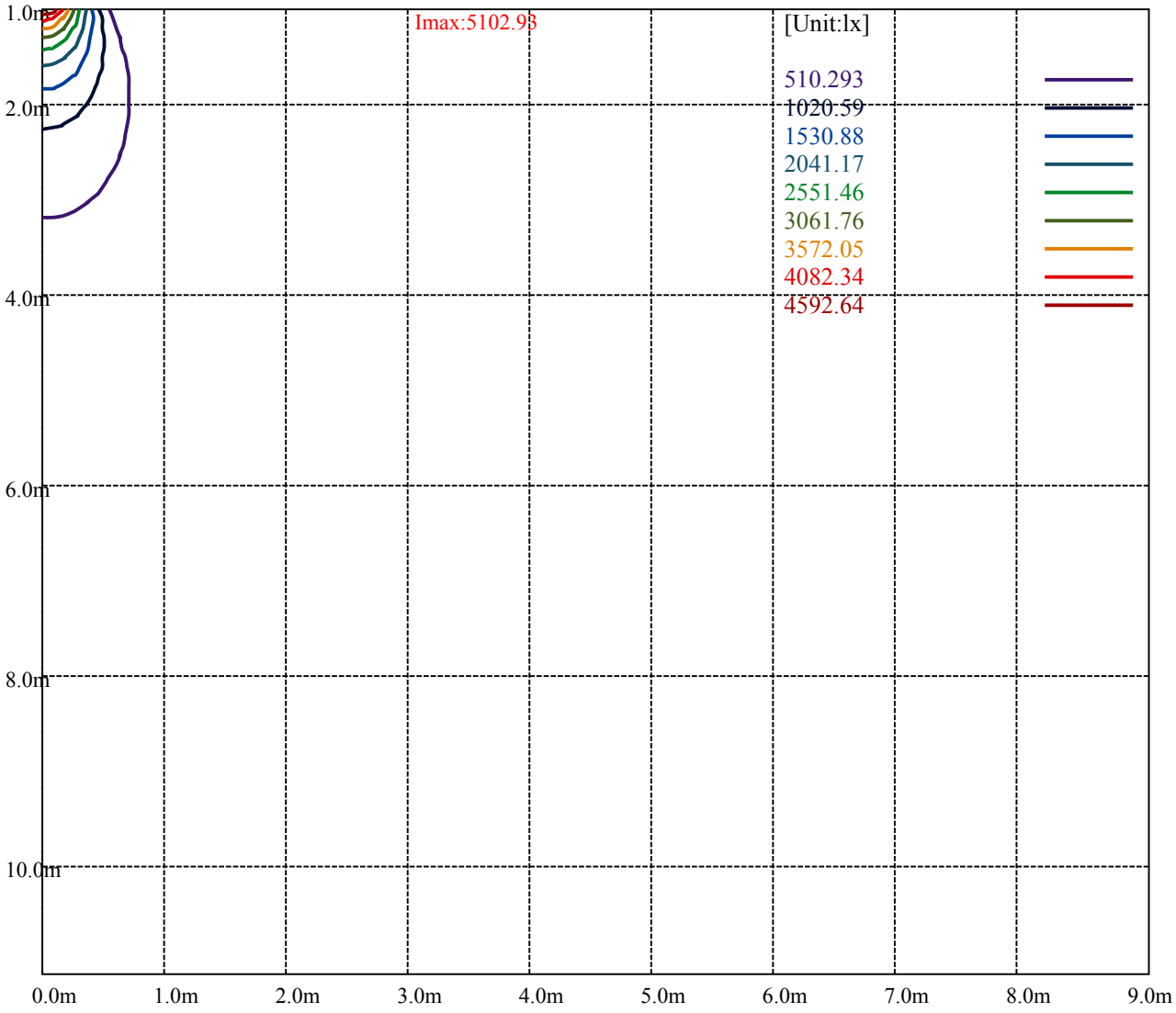
ISO illuminance diagram



(10%Emax) 127.5732
(20%Emax) 255.1475
(30%Emax) 382.72
(40%Emax) 510.2925
(50%Emax) 637.865
(60%Emax) 765.44
(70%Emax) 893.0125
(80%Emax) 1020.585
(90%Emax) 1148.157

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

Luminance Limitting Curve(no luminous side)

Luminance Table

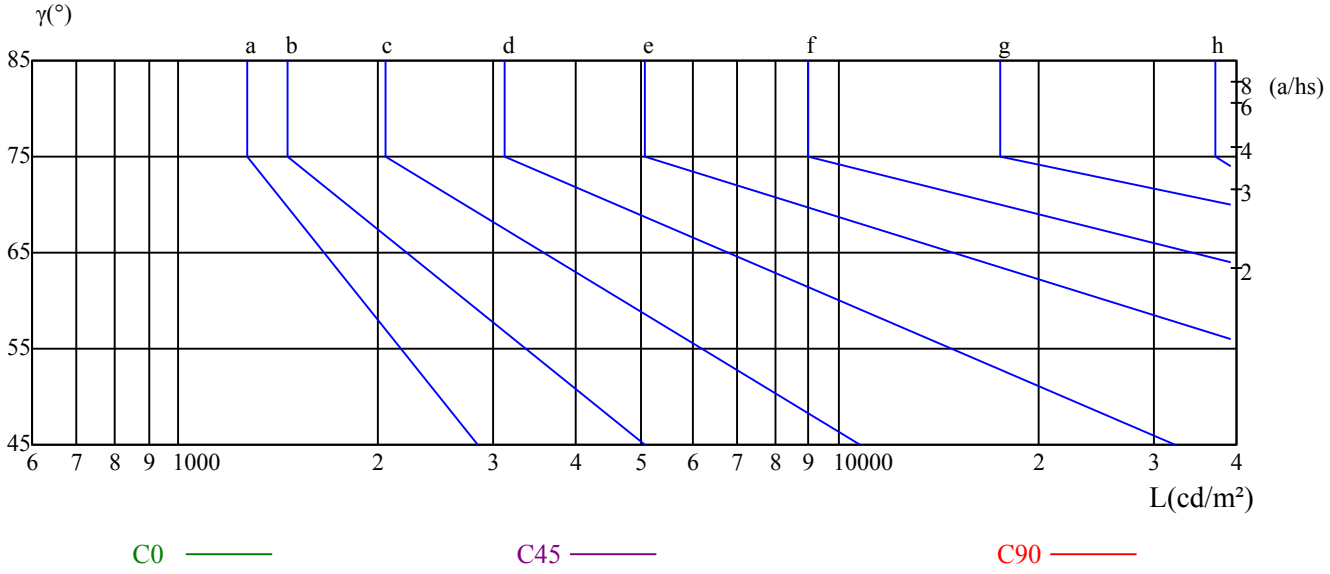
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

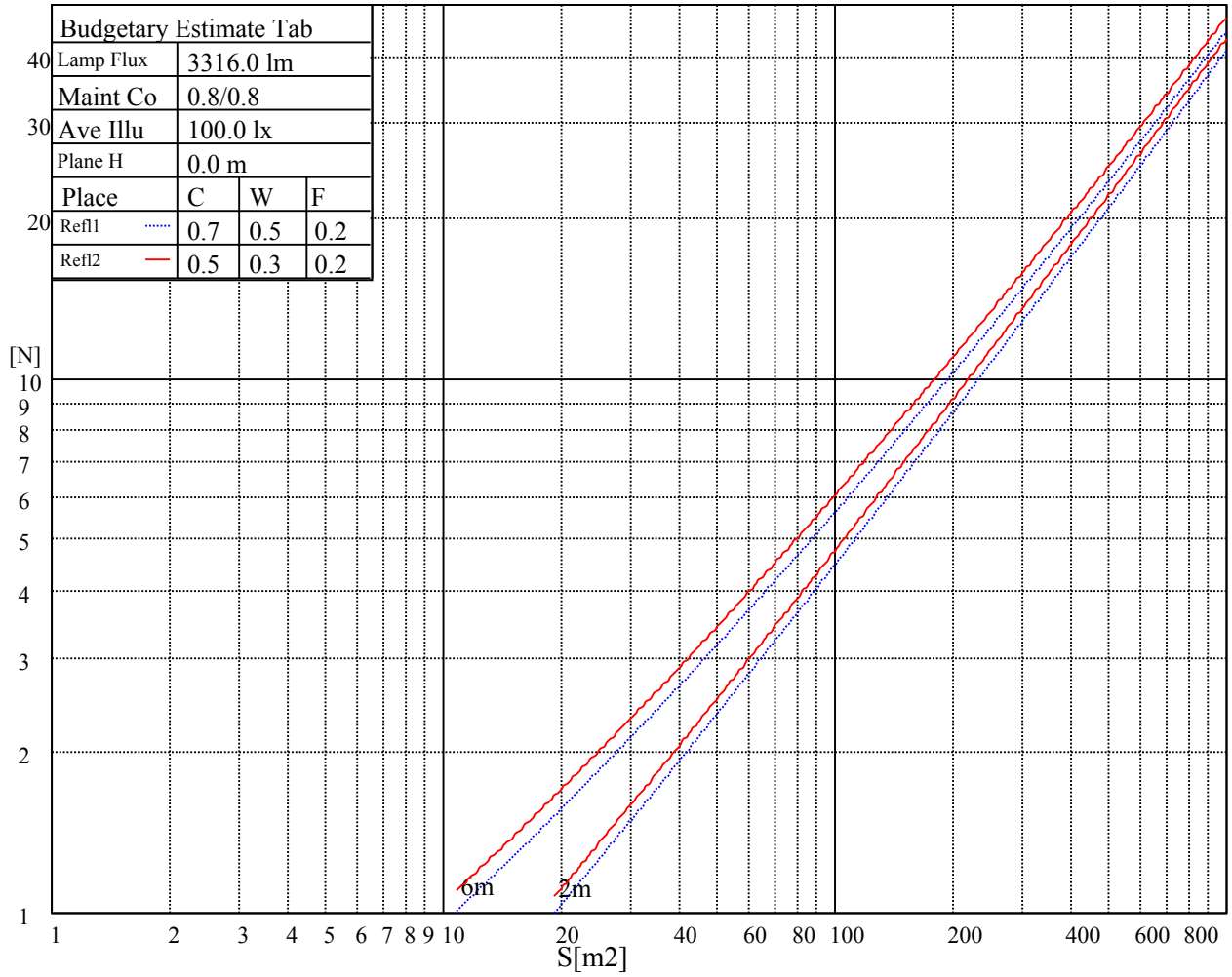
Luminance Limitting Curve



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 X Y	Viewed crosswise					Viewed endwise				
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
2H 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
2H 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
2H 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
2H 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
2H 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
4H 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 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
4H 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
4H 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
4H 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
8H 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 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
8H 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
12H 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
12H 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

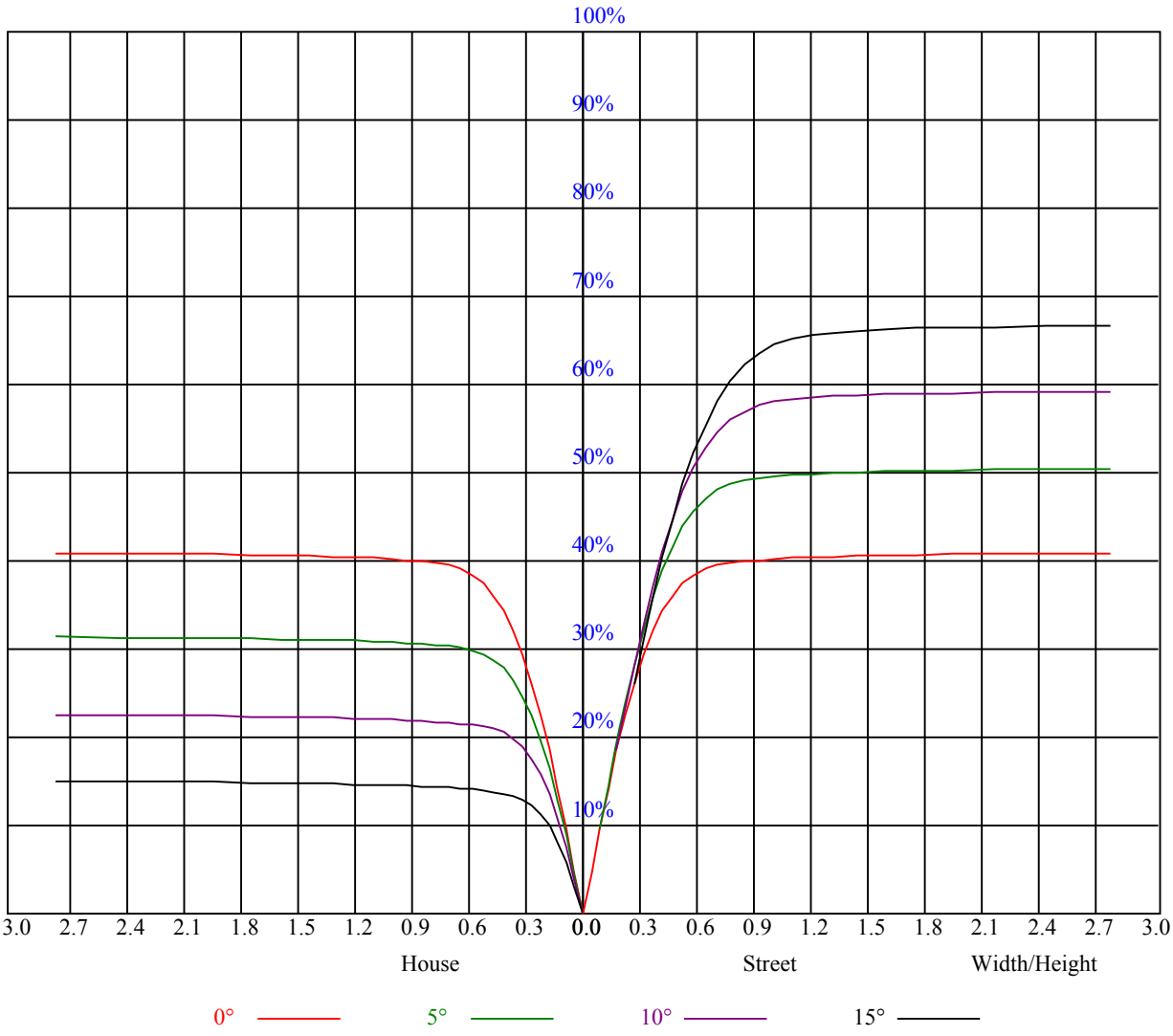


Equipment: GMS1980 Date: 2024/2/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

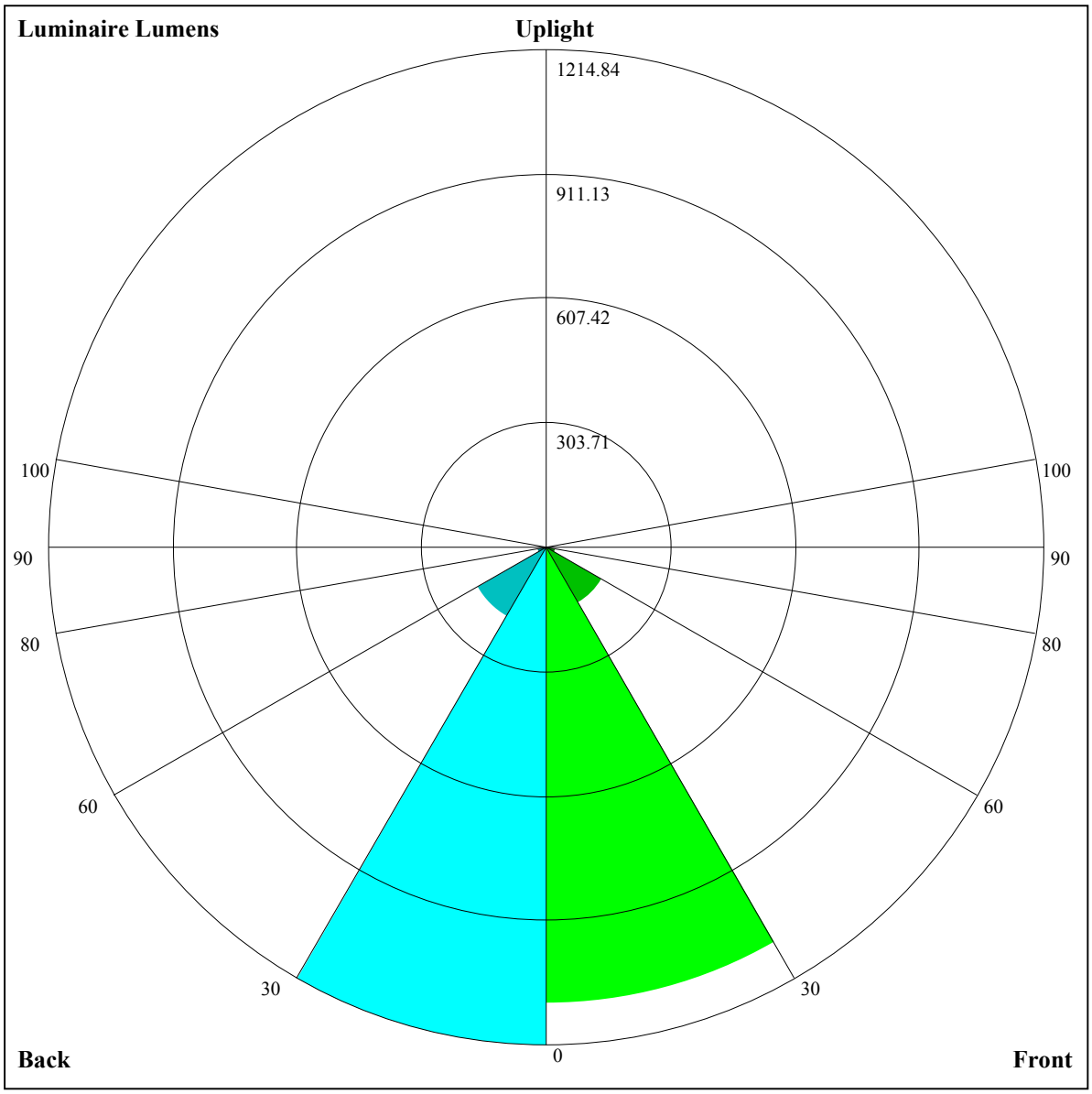
Utilization factor table for indoor luminaire

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	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.82	0.81	0.81	0.80	0.79	0.78
2	0.86	0.83	0.80	0.85	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	0.74	0.80	0.76	0.74	0.78	0.75	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
4	0.77	0.72	0.69	0.76	0.72	0.69	0.74	0.71	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
5	0.73	0.68	0.65	0.72	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
6	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
7	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56
8	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.54	0.53
9	0.60	0.55	0.53	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.52	0.50	0.56	0.52	0.50	0.55	0.52	0.50	0.49

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=1113.36,FM=155.96,FH=21.77,FVH=7.58
BL=1214.84,BM=197.23,BH=21.53,BVH=7.86
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	5092.10	5069.86	5034.16	4980.91	4889.61	4805.34	4711.12	4597.59	4473.52
45.0	5104.98	5099.12	5083.91	5055.82	5000.81	4937.02	4857.43	4743.31	4633.87
90.0	5105.56	5096.78	5075.13	5038.26	4980.32	4891.37	4805.34	4703.51	4562.47
135.0	5109.07	5110.24	5103.81	5092.69	5065.77	5009.00	4951.06	4874.98	4764.96
180.0	5092.10	5101.46	5099.71	5096.20	5090.93	5074.54	5051.14	5014.85	4961.60
225.0	5104.98	5099.12	5095.03	5082.74	5062.25	5037.09	4983.25	4922.39	4843.97
270.0	5105.56	5109.07	5106.15	5095.61	5081.57	5057.57	5018.36	4951.65	4880.84
315.0	5109.07	5104.98	5091.52	5068.69	5031.24	4986.76	4903.07	4818.80	4718.14
360.0	5092.10	5069.86	5034.16	4980.91	4889.61	4805.34	4711.12	4597.59	4473.52

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4304.39	4151.06	3995.97	3793.49	3637.82	3450.55	3297.22	3135.11	2973.00
45.0	4510.97	4378.13	4236.50	4045.72	3884.20	3684.64	3530.14	3374.47	3180.76
90.0	4430.80	4292.68	4107.75	3948.57	3789.39	3635.48	3446.45	3291.36	3133.94
135.0	4660.79	4543.75	4414.41	4234.75	4083.17	3923.99	3763.06	3564.66	3413.68
180.0	4869.13	4784.86	4684.78	4565.40	4405.63	4258.16	4107.17	3908.19	3741.99
225.0	4760.28	4627.43	4506.88	4368.18	4186.17	4032.84	3875.42	3709.21	3514.92
270.0	4799.49	4681.27	4571.84	4408.56	4265.18	4110.68	3956.18	3751.94	3594.51
315.0	4605.19	4446.60	4307.90	4122.97	3967.30	3811.04	3610.31	3458.15	3307.75
360.0	4304.39	4151.06	3995.97	3793.49	3637.82	3450.55	3297.22	3135.11	2973.00

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2761.74	2594.36	2422.30	2253.76	2038.40	1859.32	1684.34	1382.36	1162.61
45.0	3014.55	2849.52	2683.90	2472.05	2307.60	2132.62	1954.12	1731.74	1552.08
90.0	2970.08	2759.98	2589.68	2379.00	2205.77	2027.28	1804.31	1632.84	1148.97
135.0	3262.69	3059.03	2894.00	2680.97	2513.60	2343.30	2168.32	1943.59	1762.76
180.0	3585.73	3394.36	3236.94	3065.47	2861.22	2692.09	2522.96	2346.81	2133.20
225.0	3361.01	3163.20	2989.97	2819.09	2606.65	2437.52	2270.15	2097.50	1923.69
270.0	3440.01	3285.51	3079.51	2902.77	2735.99	2526.47	2359.10	2181.19	1966.41
315.0	3113.46	2945.50	2776.95	2607.24	2398.90	2230.35	2059.47	1883.31	1669.12
360.0	2761.74	2594.36	2422.30	2253.76	2038.40	1859.32	1684.34	1382.36	1162.61

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1119.48	921.61	782.45	653.11	535.66	412.70	333.23	252.52	202.20
45.0	1373.00	1157.05	996.11	850.39	687.11	567.14	438.39	355.29	302.62
90.0	1148.97	1064.06	905.87	764.83	601.61	488.96	393.97	316.31	239.94
135.0	1580.75	1401.67	1189.24	1022.45	872.04	735.69	580.02	471.16	379.87
180.0	1957.64	1783.82	1615.86	1390.55	1213.23	1037.08	841.03	702.91	577.09
225.0	1706.57	1531.01	1137.68	1137.68	973.64	825.81	692.09	542.04	437.69
270.0	1792.60	1576.07	1401.67	1227.86	1058.15	862.68	723.40	596.40	486.97
315.0	1357.78	1147.98	1147.98	946.31	800.30	638.42	522.31	424.23	324.45
360.0	1119.48	921.61	782.45	653.11	535.66	412.70	333.23	252.52	202.20

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	162.69	132.14	104.81	89.95	79.36	71.63	64.78	60.75	56.71
45.0	302.62	168.78	136.30	112.36	94.92	80.41	72.86	67.42	63.09
90.0	192.66	155.85	127.23	102.59	89.31	79.47	70.75	65.66	60.75
135.0	304.96	304.96	179.72	137.12	112.89	92.35	81.29	73.74	67.83
180.0	467.07	356.46	303.21	303.21	171.88	139.81	115.82	94.86	82.93
225.0	333.46	266.92	213.90	162.34	131.32	108.56	92.35	80.70	71.22
270.0	371.68	299.11	299.11	228.12	145.25	119.33	100.42	84.45	75.67
315.0	260.37	208.87	168.14	129.51	106.69	90.24	79.24	69.99	64.84
360.0	162.69	132.14	104.81	89.95	79.36	71.63	64.78	60.75	56.71

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	53.96	51.38	48.52	46.47	44.48	42.60	40.32	38.68	36.99
45.0	59.05	56.30	53.67	50.62	48.40	45.76	43.72	41.79	40.09
90.0	57.70	54.84	52.32	49.33	47.17	45.12	43.13	40.85	39.15
135.0	62.38	59.05	56.12	53.43	50.21	47.93	45.88	43.42	41.49
180.0	73.74	67.30	61.62	58.29	55.30	52.03	49.63	46.82	44.77
225.0	65.78	61.62	57.64	54.89	52.38	49.45	47.23	45.18	42.60
270.0	69.06	63.15	59.52	56.53	53.14	50.62	48.34	46.23	44.18
315.0	60.98	57.12	54.43	51.27	49.04	46.88	44.83	42.31	40.44
360.0	53.96	51.38	48.52	46.47	44.48	42.60	40.32	38.68	36.99

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.41	33.47	31.95	30.43	28.97	27.15	25.81	24.46	22.71
45.0	37.92	36.28	34.76	33.18	31.43	29.90	28.32	26.86	25.11
90.0	37.45	35.35	33.77	32.25	30.43	28.91	27.51	25.69	24.23
135.0	39.74	37.63	35.99	34.41	32.54	31.08	29.55	27.86	26.10
180.0	42.78	40.38	38.57	36.87	35.29	33.42	32.01	30.61	28.73
225.0	40.67	38.86	36.75	35.11	33.59	32.19	30.31	28.85	27.39
270.0	41.67	39.80	38.10	36.11	34.53	33.12	31.31	29.85	27.92
315.0	38.68	36.64	35.11	33.59	32.13	30.67	28.85	27.45	25.69
360.0	35.41	33.47	31.95	30.43	28.97	27.15	25.81	24.46	22.71

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.65	20.95	20.31	19.90	19.49	19.31	19.43	19.90	20.25
45.0	23.70	22.30	21.54	21.07	20.60	20.37	20.19	20.54	21.71
90.0	22.82	21.95	22.12	22.12	22.30	22.94	25.05	26.22	24.11
135.0	24.70	23.12	21.83	20.72	20.13	19.61	19.08	18.73	18.32
180.0	27.27	25.81	24.35	22.47	21.19	20.37	19.61	19.14	18.67
225.0	25.87	24.11	22.65	21.48	20.42	19.84	19.31	18.90	18.55
270.0	26.39	24.99	23.53	21.89	20.89	20.25	19.78	19.37	19.37
315.0	24.29	22.82	21.36	20.60	20.01	19.43	19.02	18.67	18.38
360.0	21.65	20.95	20.31	19.90	19.49	19.31	19.43	19.90	20.25

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	21.01	21.48	20.89	20.83	20.37	19.72	19.02	17.26	16.62
45.0	22.47	23.00	23.47	23.23	23.06	22.53	20.83	19.66	17.91
90.0	22.94	23.70	22.47	21.71	21.77	21.24	19.37	17.50	16.56
135.0	18.02	17.67	17.44	17.26	17.09	16.91	16.80	16.68	16.56
180.0	18.32	18.08	17.79	17.44	17.21	16.97	16.80	16.68	16.50
225.0	18.14	17.97	17.79	17.56	17.32	16.97	16.80	16.74	16.62
270.0	19.43	19.14	18.38	17.79	17.38	17.21	17.03	16.91	16.85
315.0	18.02	17.73	17.56	17.32	17.15	17.03	16.97	16.85	16.80
360.0	21.01	21.48	20.89	20.83	20.37	19.72	19.02	17.26	16.62

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	16.04	15.22	14.16	13.28	12.35	12.11	11.88	11.82	11.82
45.0	16.80	16.21	15.16	14.22	13.05	12.29	12.06	11.76	11.82
90.0	15.98	15.39	14.81	13.69	12.82	12.35	12.11	11.76	11.82
135.0	16.50	16.27	15.80	15.04	14.10	13.17	12.64	12.29	11.82
180.0	16.44	16.33	16.27	15.98	15.51	14.81	14.10	13.17	12.76
225.0	16.56	16.44	16.21	15.80	14.98	14.16	13.17	12.70	12.41
270.0	16.68	16.68	16.44	16.04	15.27	14.34	13.05	12.41	12.17
315.0	16.74	16.50	15.98	15.10	13.93	12.76	12.29	12.06	11.82
360.0	16.04	15.22	14.16	13.28	12.35	12.11	11.88	11.82	11.82

Intensity data(cd)

C/γ(°)	90.0
0.0	11.82
45.0	11.82
90.0	11.76
135.0	11.82
180.0	12.41
225.0	12.06
270.0	11.82
315.0	11.76
360.0	11.82