NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

LumCAT: 2-2685-L
Luminaire: 92.70.412.00
LampCAT: P2141-036-1206-P3090-1
Ballast type: AC

Report No: 2024227-B008	Voltage(V): 36.0100
Test No: 2024227-C008	Current(A): 0.7010
Number of Lamps: 1	Power (W): 25.2430
Lamp flux(lm): 3316.0	PF: 0.0000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2824.75, Efficiency(%): 85.19% , Luminous Efficacy(lm/W): 111.90
Central intensity(cd): 4671.325, Maximum intensity(cd): 4671.325
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=46.0
[C90/270]Total=46.0
Field angle(10%Imax): [C0/180]Total=70.6
[C90/270]Total=70.6
Maximum s/h(1/2): C0_180=0.73 C90_270=0.73
Maximum s/h(1/4): C0_180=0.72 C90_270=0.72
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.19%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.760%

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

NT 2-2685-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4671.324	0.000	0	0.00%	0.00%
1.0	4666.131	4.468	4.468	0.13%	0.16%
2.0	4652.158	13.374	17.842	0.40%	0.63%
3.0	4626.847	22.192	40.035	0.67%	1.42%
4.0	4594.514	30.867	70.901	0.93%	2.51%
5.0	4552.963	39.352	110.253	1.19%	3.90%
6.0	4505.267	47.603	157.857	1.44%	5.59%
7.0	4449.085	55.580	213.436	1.68%	7.56%
8.0	4380.907	63.195	276.631	1.91%	9.79%
9.0	4302.779	70.377	347.007	2.12%	12.28%
10.0	4210.167	77.039	424.047	2.32%	15.01%
11.0	4116.458	83.200	507.247	2.51%	17.96%
12.0	4002.924	88.756	596.003	2.68%	21.10%
13.0	3893.341	93.709	689.712	2.83%	24.42%
14.0	3767.518	98.058	787.77	2.96%	27.89%
15.0	3638.914	101.679	889.449	3.07%	31.49%
16.0	3499.119	104.592	994.041	3.15%	35.19%
17.0	3341.840	106.532	1100.573	3.21%	38.96%
18.0	3192.168	107.732	1208.305	3.25%	42.78%
19.0	3029.037	108.236	1316.541	3.26%	46.61%
20.0	2847.471	107.556	1424.098	3.24%	50.41%
21.0	2681.121	106.160	1530.258	3.20%	54.17%
22.0	2500.944	104.136	1634.394	3.14%	57.86%
23.0	2342.861	101.636	1736.03	3.07%	61.46%
24.0	2177.681	98.835	1834.865	2.98%	64.96%
25.0	2018.792	95.419	1930.284	2.88%	68.33%
26.0	1856.685	91.481	2021.765	2.76%	71.57%
27.0	1668.045	86.233	2107.998	2.60%	74.63%
28.0	1503.816	80.305	2188.303	2.42%	77.47%
29.0	1340.092	74.405	2262.707	2.24%	80.10%
30.0	1191.599	68.355	2331.062	2.06%	82.52%
31.0	1054.436	62.504	2393.566	1.88%	84.74%
32.0	909.191	56.256	2449.822	1.70%	86.73%
33.0	767.018	49.382	2499.204	1.49%	88.48%
34.0	630.507	42.293	2541.497	1.28%	89.97%
35.0	504.479	35.248	2576.745	1.06%	91.22%
36.0	391.018	28.513	2605.258	0.86%	92.23%
37.0	309.416	22.844	2628.102	0.69%	93.04%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	234.507	18.155	2646.258	0.55%	93.68%
39.0	181.237	14.190	2660.448	0.43%	94.18%
40.0	142.378	11.287	2671.735	0.34%	94.58%
41.0	99.496	8.613	2680.348	0.26%	94.89%
42.0	86.035	6.741	2687.089	0.20%	95.13%
43.0	77.264	6.049	2693.138	0.18%	95.34%
44.0	70.117	5.563	2698.7	0.17%	95.54%
45.0	64.697	5.181	2703.881	0.16%	95.72%
46.0	60.578	4.899	2708.78	0.15%	95.89%
47.0	56.935	4.674	2713.454	0.14%	96.06%
48.0	53.833	4.478	2717.932	0.14%	96.22%
49.0	51.119	4.310	2722.242	0.13%	96.37%
50.0	48.632	4.159	2726.401	0.13%	96.52%
51.0	46.269	4.015	2730.416	0.12%	96.66%
52.0	44.228	3.883	2734.3	0.12%	96.80%
53.0	42.129	3.757	2738.056	0.11%	96.93%
54.0	40.483	3.641	2741.697	0.11%	97.06%
55.0	38.742	3.536	2745.234	0.11%	97.18%
56.0	37.301	3.436	2748.67	0.10%	97.31%
57.0	35.823	3.343	2752.013	0.10%	97.42%
58.0	34.448	3.250	2755.263	0.10%	97.54%
59.0	33.051	3.156	2758.418	0.10%	97.65%
60.0	31.609	3.055	2761.473	0.09%	97.76%
61.0	30.161	2.948	2764.421	0.09%	97.86%
62.0	28.727	2.838	2767.259	0.09%	97.96%
63.0	27.367	2.728	2769.987	0.08%	98.06%
64.0	26.108	2.624	2772.611	0.08%	98.15%
65.0	24.894	2.524	2775.135	0.08%	98.24%
66.0	23.841	2.432	2777.566	0.07%	98.33%
67.0	22.838	2.347	2779.913	0.07%	98.41%
68.0	22.063	2.275	2782.188	0.07%	98.49%
69.0	21.434	2.219	2784.407	0.07%	98.57%
70.0	21.075	2.183	2786.59	0.07%	98.65%
71.0	20.944	2.172	2788.762	0.07%	98.73%
72.0	20.900	2.176	2790.938	0.07%	98.80%
73.0	20.922	2.187	2793.125	0.07%	98.88%
74.0	20.900	2.199	2795.323	0.07%	98.96%
75.0	20.849	2.206	2797.529	0.07%	99.04%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.724	2.207	2799.736	0.07%	99.11%
77.0	20.541	2.200	2801.936	0.07%	99.19%
78.0	20.278	2.185	2804.121	0.07%	99.27%
79.0	19.912	2.159	2806.281	0.07%	99.35%
80.0	19.466	2.123	2808.404	0.06%	99.42%
81.0	18.713	2.065	2810.468	0.06%	99.49%
82.0	17.784	1.979	2812.447	0.06%	99.56%
83.0	16.686	1.874	2814.321	0.06%	99.63%
84.0	15.479	1.752	2816.074	0.05%	99.69%
85.0	14.331	1.627	2817.701	0.05%	99.75%
86.0	13.489	1.521	2819.221	0.05%	99.80%
87.0	12.890	1.444	2820.665	0.04%	99.86%
88.0	12.480	1.390	2822.055	0.04%	99.90%
89.0	12.290	1.358	2823.412	0.04%	99.95%
90.0	12.187	1.342	2824.754	0.04%	100.00%

Zonal flux distribution table

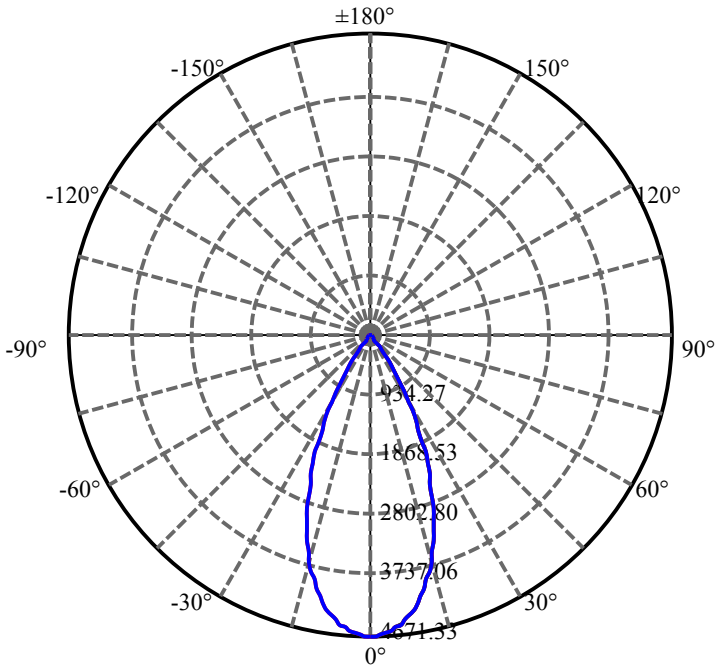
ZONAL LUMEN SUMMARY

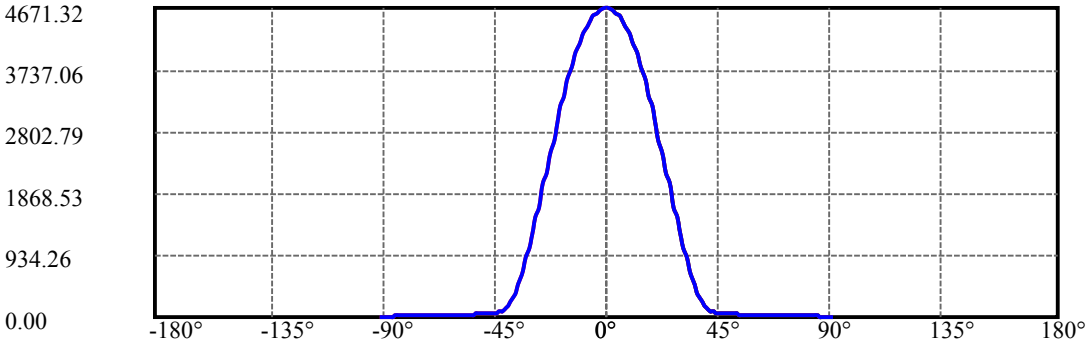
Zone	Lumens	%Lamp	%Fixt
0-30	2331.06	70.30%	82.52%
0-40	2671.73	80.57%	94.58%
0-60	2761.47	83.28%	97.76%
0-90	2823.41	85.15%	99.95%
0-120	2823.41	85.15%	99.95%
0-180	2824.75	85.19%	100.00%
60-90	61.94	1.87%	2.19%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.96	2259.80	68.15%	80.00%

ZONAL LUMEN SUMMARY

0-10	424.05
10-20	1000.05
20-30	906.96
30-40	340.67
40-50	54.67
50-60	35.07
60-70	25.12
70-80	21.81
80-90	15.01
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):

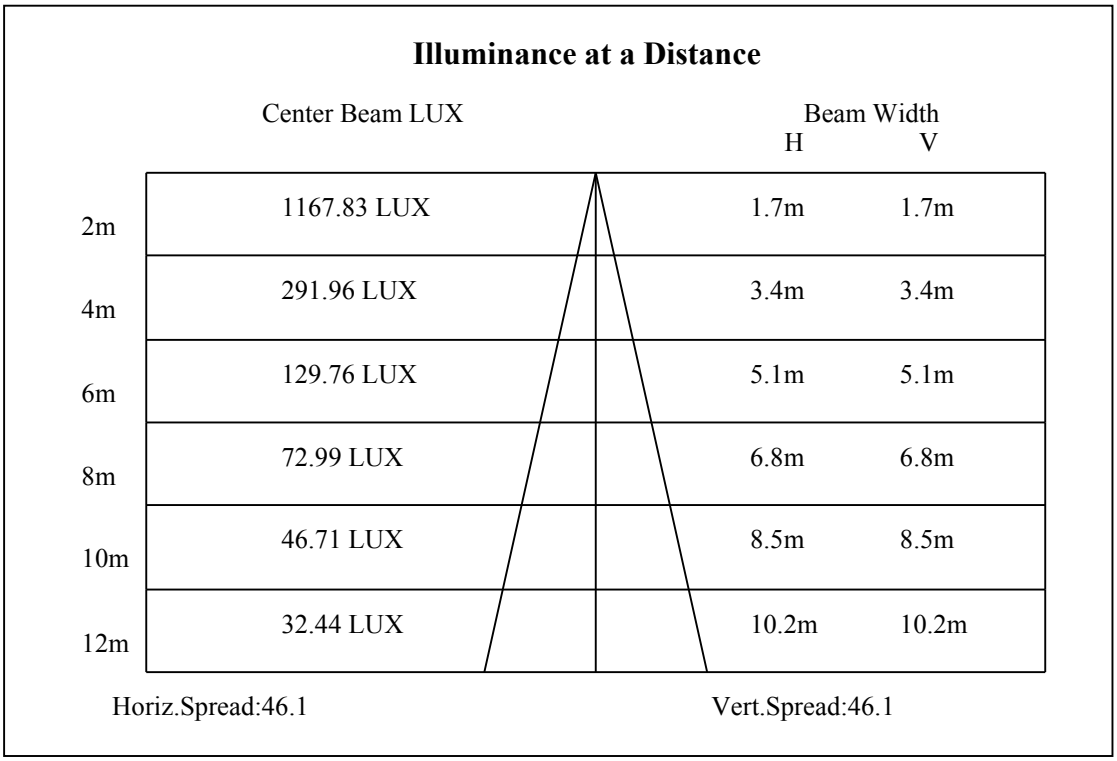
C0/C180:

C90/C270:

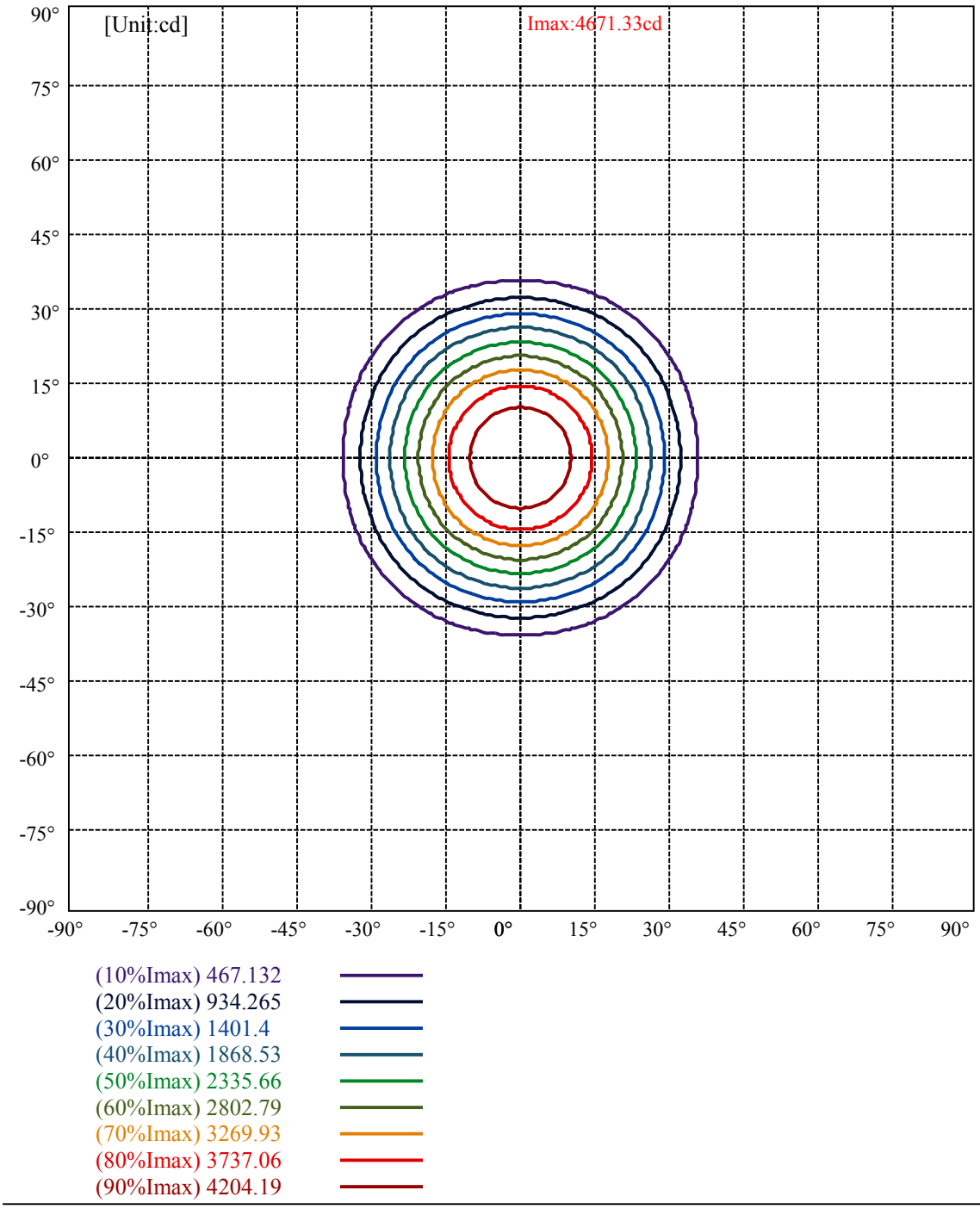
Field angle(10%Imax):C0/180Left:35.3 Right:35.3
:C90/270Left:35.3 Right:35.3

Beam Angle(50%Imax):C0/180Left:23.0 Right:23.0
:C90/270Left:23.0 Right:23.0

Lux distance Curve



ISO-Intensity(V-H)

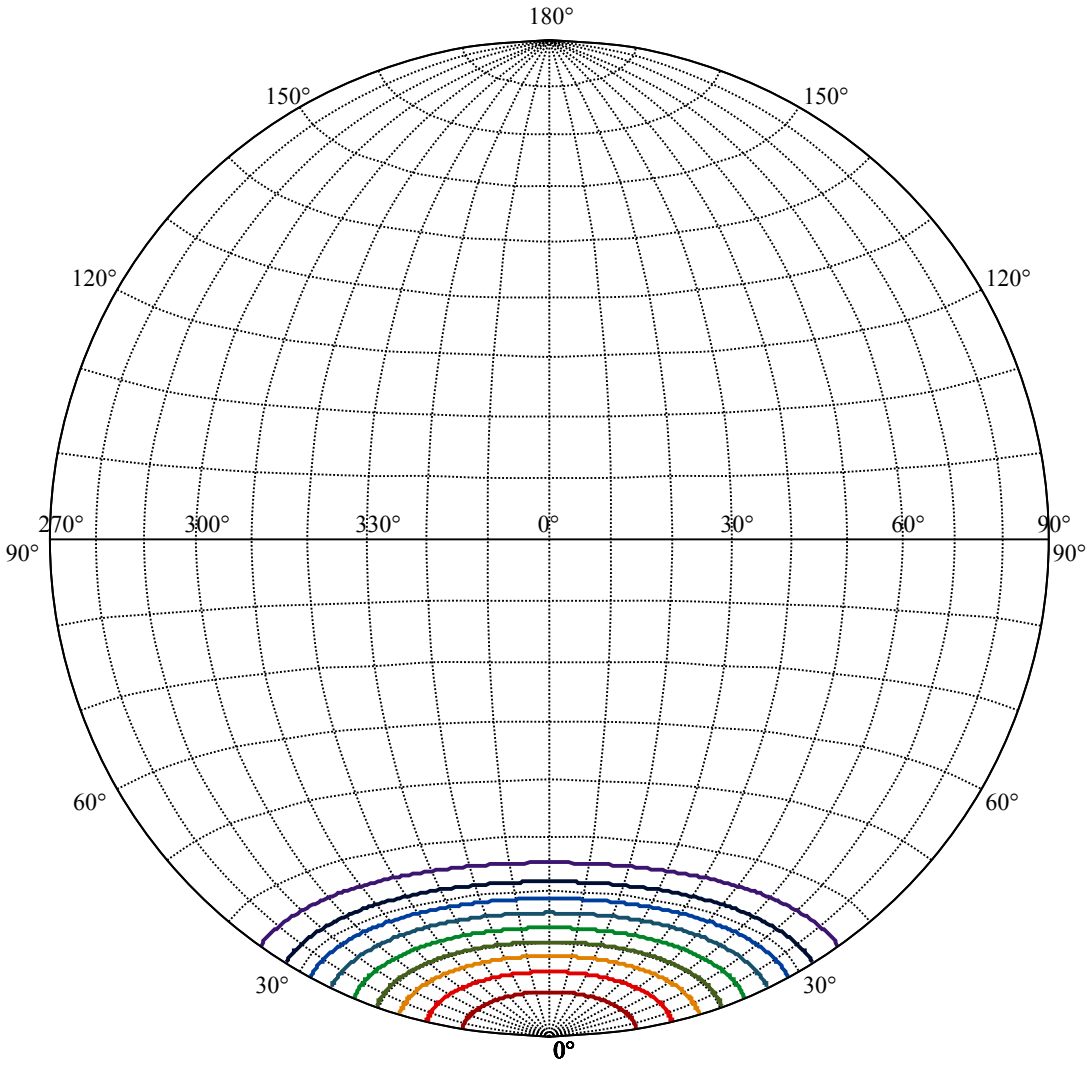


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

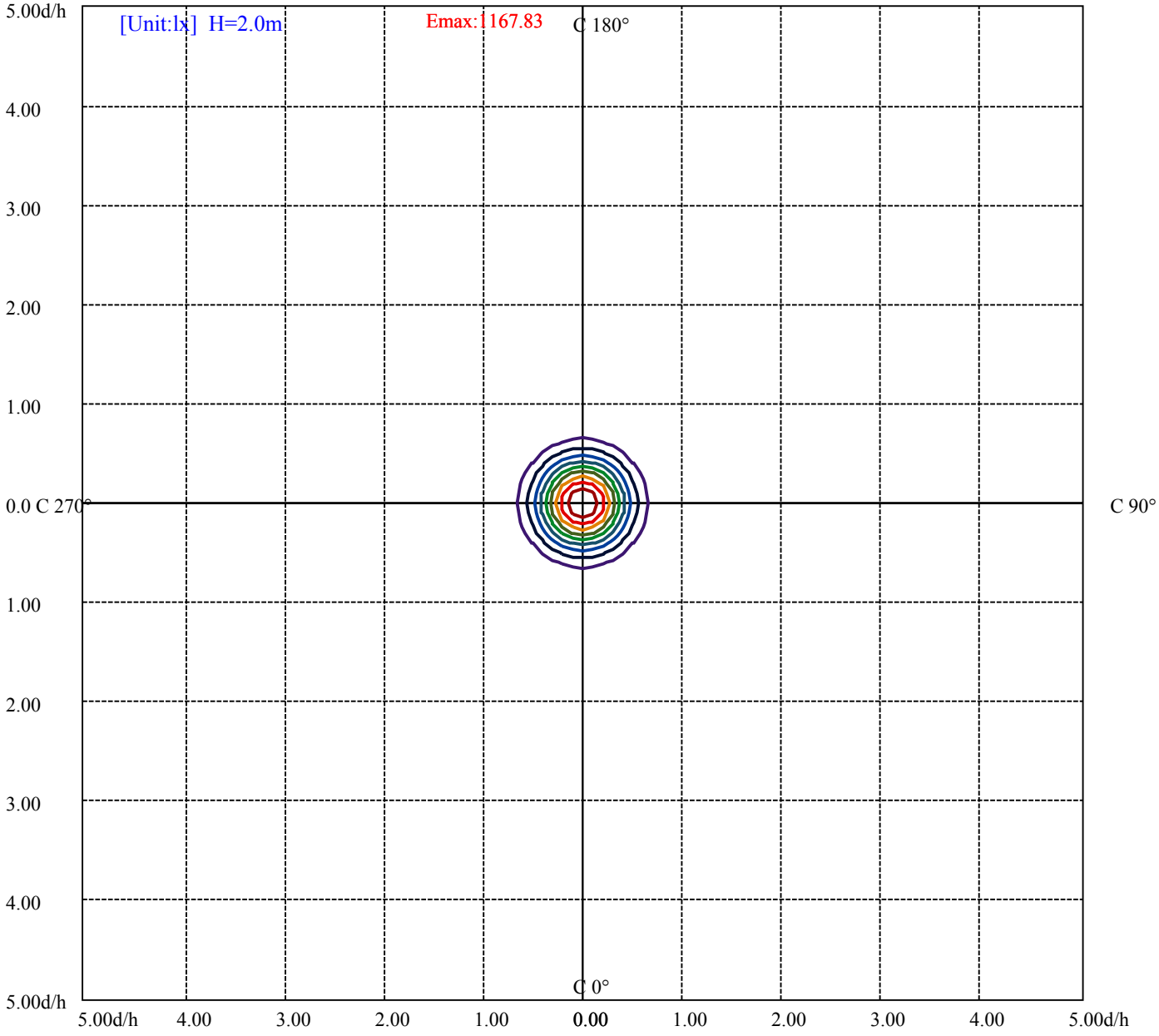
Imax:4671.33

(10%Imax) 467.132
(20%Imax) 934.265
(30%Imax) 1401.4
(40%Imax) 1868.53
(50%Imax) 2335.66
(60%Imax) 2802.79
(70%Imax) 3269.93
(80%Imax) 3737.06
(90%Imax) 4204.19

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

NT 2-2685-L

ISO illuminance diagram



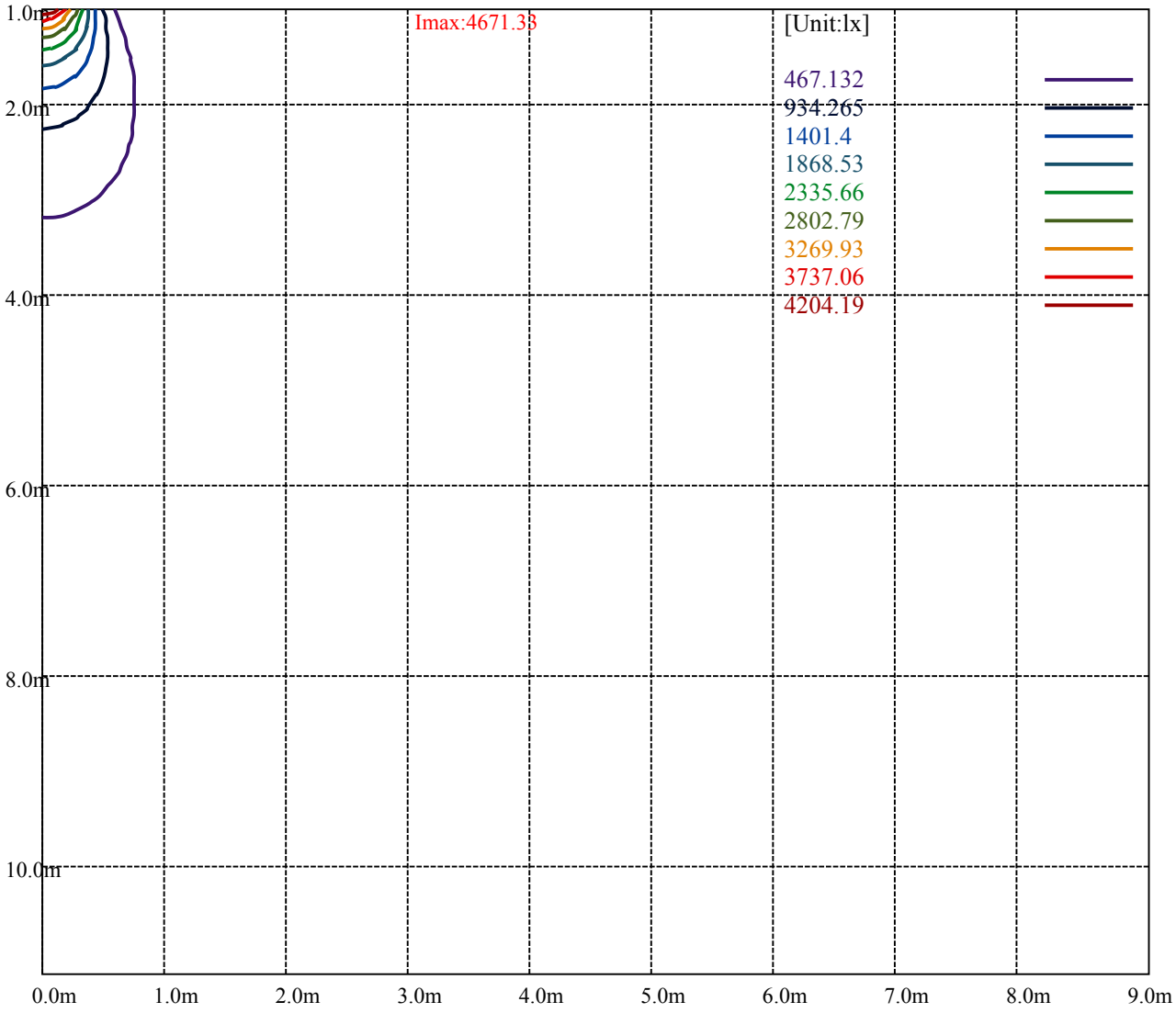
(10%Emax) 116.783
(20%Emax) 233.5663
(30%Emax) 350.35
(40%Emax) 467.1325
(50%Emax) 583.915
(60%Emax) 700.6975
(70%Emax) 817.4825
(80%Emax) 934.265
(90%Emax) 1051.047

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 2-2685-L

Luminance Limitting Curve(no luminous side)

Luminance Table

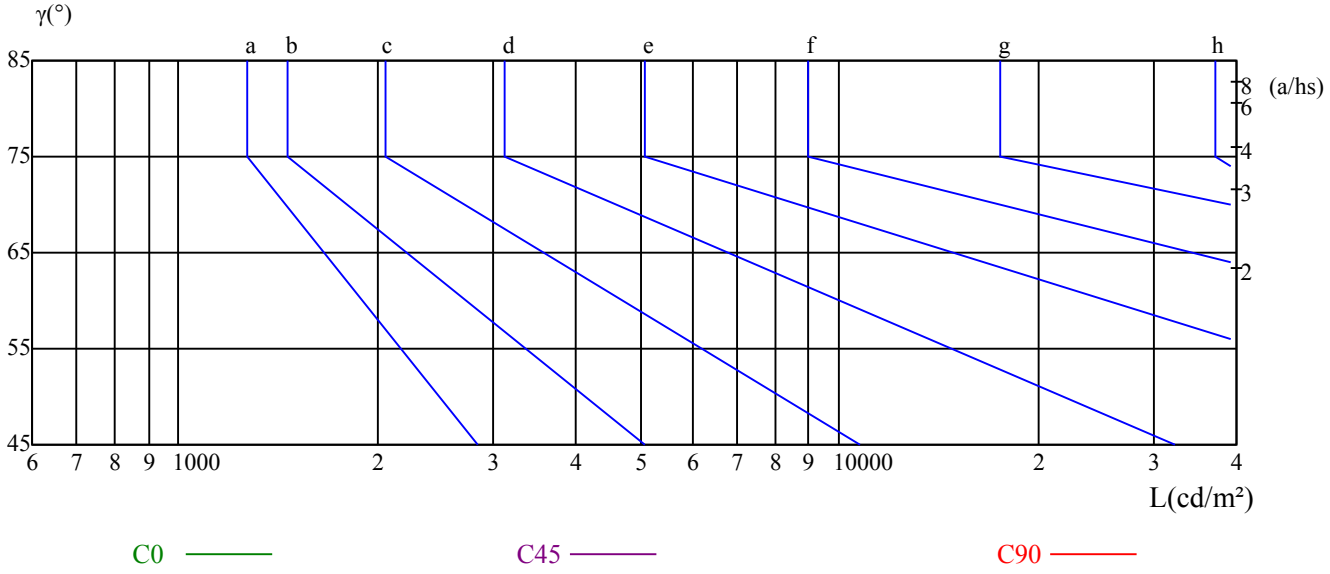
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

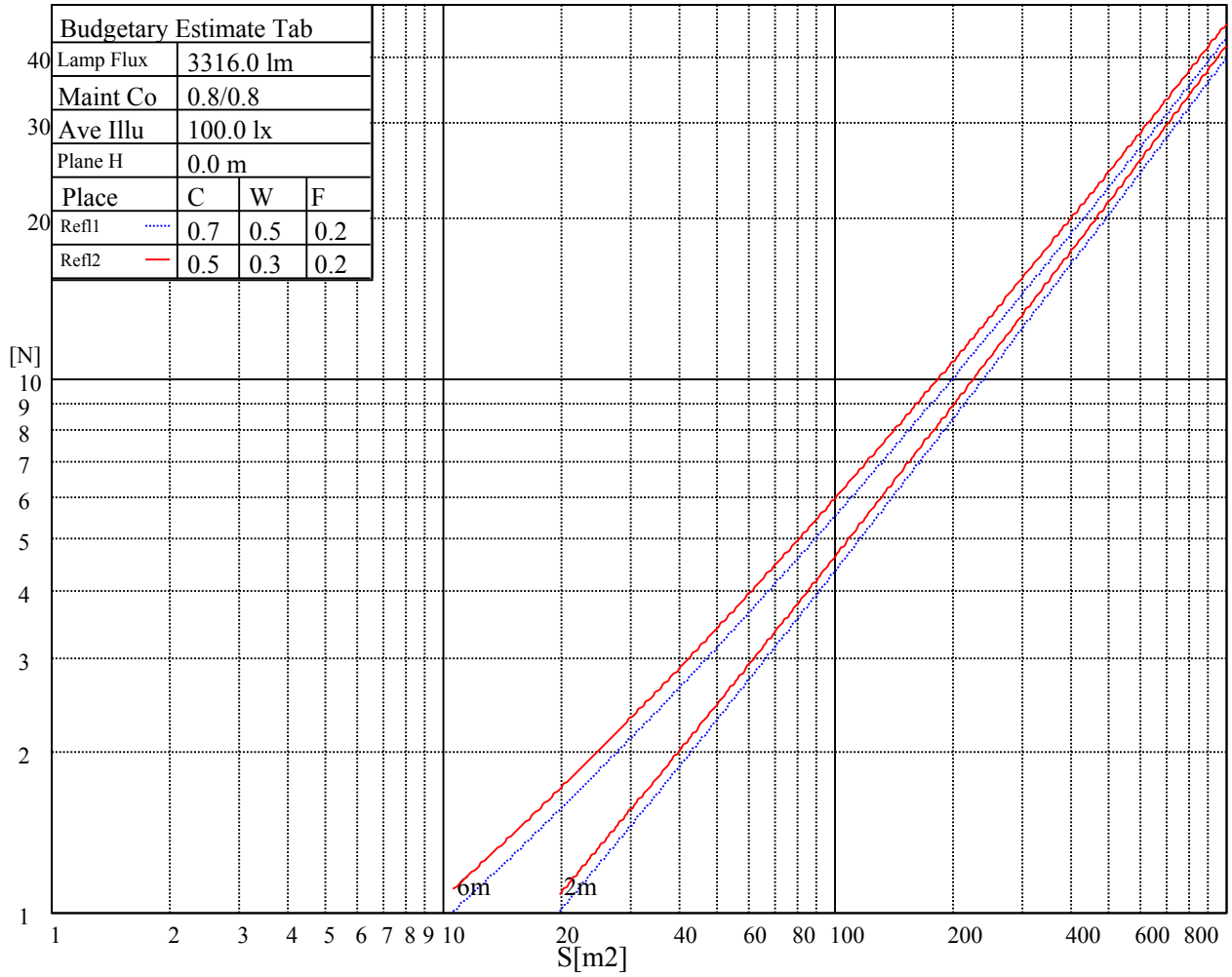
Luminance Limitting Curve



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

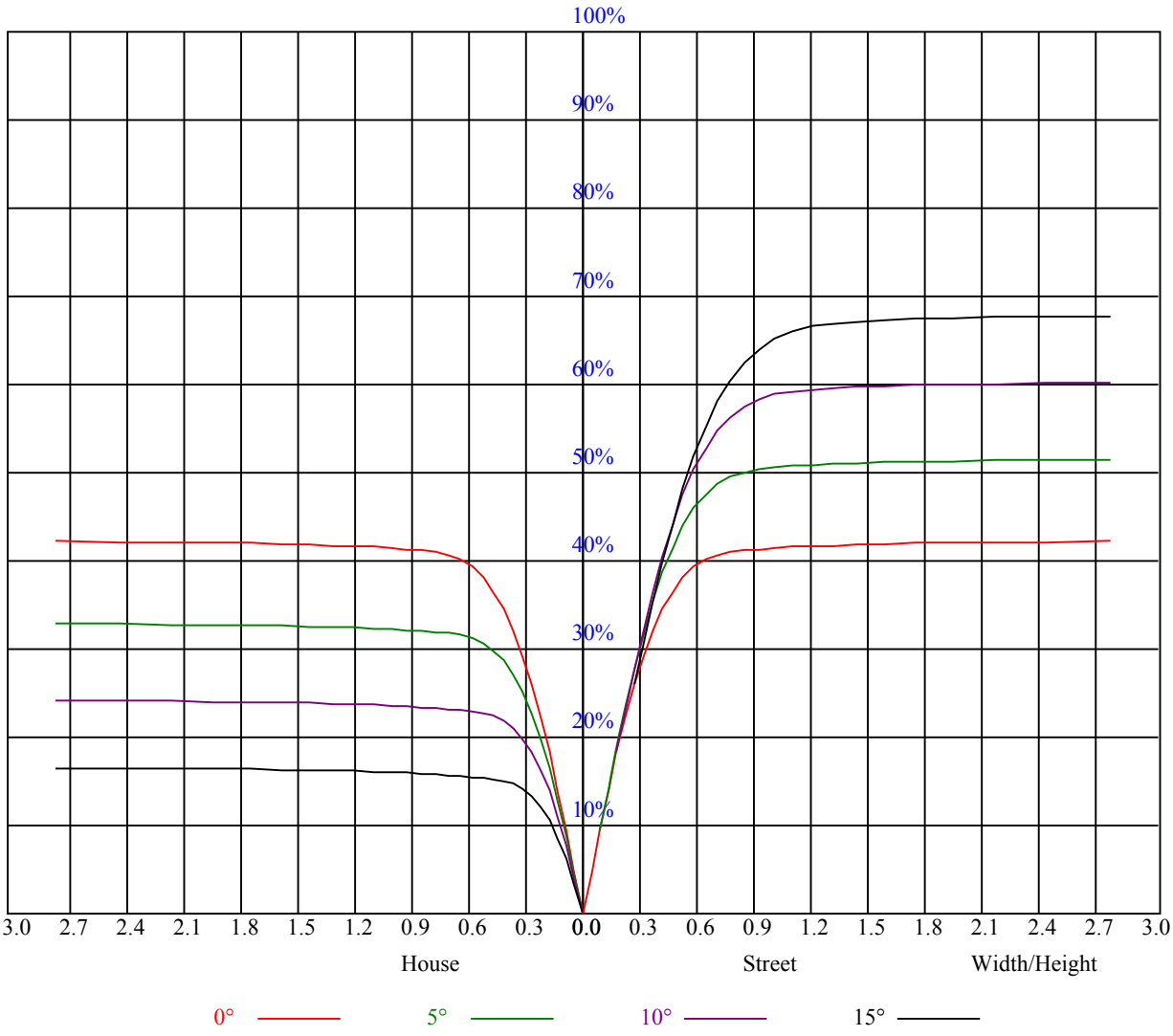


Equipment: GMS1980 Date: 2024/2/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

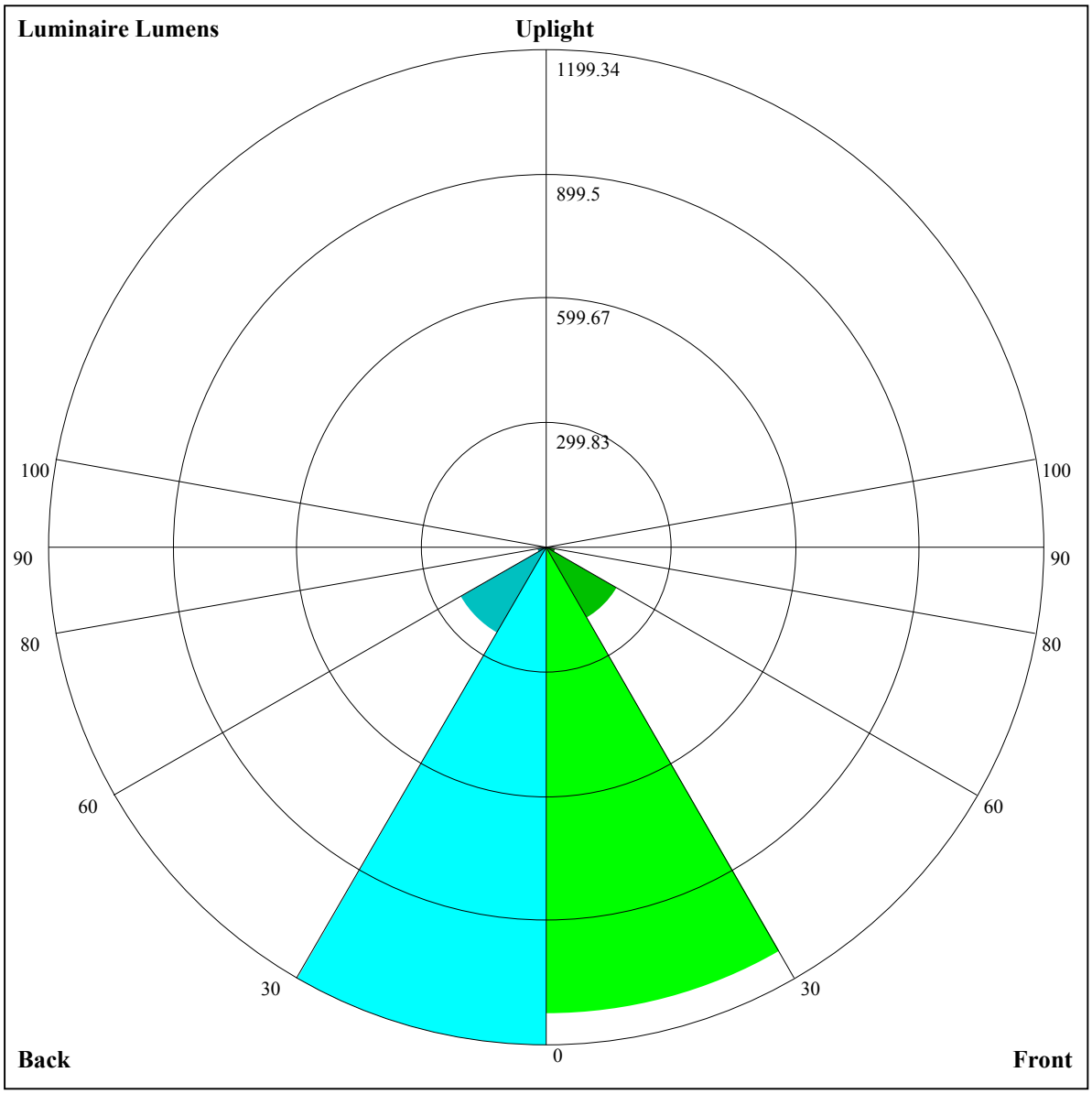
Utilization factor table for indoor luminaire

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	1.01	1.01	1.01	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.94	0.92	0.90	0.93	0.91	0.89	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.88	0.85	0.82	0.87	0.84	0.81	0.84	0.82	0.80	0.82	0.80	0.78	0.79	0.78	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
4	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.60
7	0.67	0.62	0.59	0.66	0.62	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.56
8	0.63	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.55	0.52	0.51
10	0.58	0.53	0.50	0.57	0.53	0.50	0.57	0.53	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=1127.04,FM=194.98,FH=23.06,FVH=7.96
BL=1199.34,BM=240.55,BH=23.91,BVH=8.39
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	4653.77	4619.82	4590.56	4552.52	4495.76	4443.09	4383.39	4310.83	4224.80
45.0	4673.08	4668.98	4643.82	4610.46	4578.27	4535.55	4487.56	4416.75	4348.87
90.0	4680.69	4671.91	4640.31	4612.22	4571.25	4517.41	4460.64	4393.34	4297.95
135.0	4677.76	4678.93	4679.52	4653.77	4625.68	4590.56	4539.65	4489.90	4411.48
180.0	4653.77	4668.98	4675.42	4680.69	4667.81	4632.70	4598.17	4560.13	4518.58
225.0	4673.08	4675.42	4673.08	4639.72	4612.22	4575.93	4525.02	4478.79	4420.85
270.0	4680.69	4676.59	4671.91	4656.69	4626.26	4590.56	4558.38	4507.46	4457.72
315.0	4677.76	4668.40	4642.65	4608.71	4578.86	4537.89	4489.32	4435.48	4367.01
360.0	4653.77	4619.82	4590.56	4552.52	4495.76	4443.09	4383.39	4310.83	4224.80

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4106.58	4006.51	3905.26	3758.37	3640.74	3472.78	3332.33	3182.51	2987.05
45.0	4267.52	4184.42	4058.01	3956.18	3843.82	3722.67	3565.25	3426.55	3248.64
90.0	4208.41	4091.37	3989.54	3884.20	3772.42	3614.99	3482.15	3338.18	3186.02
135.0	4340.67	4254.06	4163.35	4038.70	3932.19	3825.67	3707.46	3547.11	3408.99
180.0	4452.45	4389.83	4316.68	4227.14	4110.09	4012.95	3907.02	3792.90	3640.74
225.0	4353.55	4256.99	4174.47	4076.74	3973.15	3836.79	3725.60	3602.12	3440.01
270.0	4399.19	4313.17	4232.41	4119.46	4017.63	3914.04	3804.02	3648.35	3512.58
315.0	4293.85	4185.00	4091.95	3962.62	3856.69	3740.23	3587.49	3455.23	3310.68
360.0	4106.58	4006.51	3905.26	3758.37	3640.74	3472.78	3332.33	3182.51	2987.05

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2828.45	2666.34	2497.21	2339.20	2158.37	2013.82	1866.34	1710.67	1516.38
45.0	3095.31	2941.98	2734.23	2566.86	2405.92	2255.52	2070.58	1921.35	1767.44
90.0	3030.35	2826.70	2661.08	2455.08	2297.07	2145.49	1961.73	1815.43	1656.25
135.0	3269.13	3116.97	2917.99	2757.64	2547.54	2387.78	2236.79	2048.93	1898.53
180.0	3516.68	3379.15	3188.95	3031.52	2834.30	2685.66	2521.21	2316.96	2173.58
225.0	3296.05	3107.60	2948.42	2788.66	2625.38	2429.33	2275.41	2130.86	1992.16
270.0	3377.39	3231.09	3031.52	2874.10	2702.04	2532.91	2345.06	2200.50	2023.77
315.0	3123.99	2962.47	2800.36	2635.91	2436.94	2292.38	2144.32	2005.62	1825.38
360.0	2828.45	2666.34	2497.21	2339.20	2158.37	2013.82	1866.34	1710.67	1516.38

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1133.23	1133.23	1027.71	889.07	722.11	595.58	482.23	355.41	267.04
45.0	1608.26	1417.47	1265.90	1124.86	949.29	815.28	682.43	530.86	422.59
90.0	1464.88	1137.15	1137.15	1027.42	867.01	736.80	605.24	488.31	357.69
135.0	1741.10	1581.34	1393.48	1242.49	1102.62	962.17	800.06	673.65	553.10
180.0	2034.89	1891.51	1708.92	1548.56	1395.82	1236.64	1056.39	914.77	751.49
225.0	1809.57	1653.90	1500.58	1160.27	1160.27	1009.28	872.86	707.07	583.24
270.0	1885.07	1703.06	1550.90	1404.01	1251.27	1071.02	923.54	786.60	654.93
315.0	1667.36	1512.87	1136.10	1136.10	987.10	846.76	713.39	587.39	445.77
360.0	1133.23	1133.23	1027.71	889.07	722.11	595.58	482.23	355.41	267.04

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	194.00	140.63	104.58	92.52	83.45	76.20	68.94	64.37	60.45
45.0	324.27	302.03	205.71	116.17	100.42	88.43	81.00	71.28	66.19
90.0	270.02	193.53	125.59	101.95	88.84	80.47	73.27	66.48	61.10
135.0	415.57	317.25	295.01	200.21	110.78	92.41	82.87	75.26	69.00
180.0	625.66	510.37	383.97	312.57	312.57	145.78	105.16	92.35	82.81
225.0	445.71	348.21	264.05	191.54	128.40	105.46	93.81	84.45	74.03
270.0	505.11	400.94	306.72	306.72	210.68	114.59	99.31	89.31	78.77
315.0	347.80	262.36	190.43	128.22	103.88	92.64	83.92	74.62	68.59
360.0	194.00	140.63	104.58	92.52	83.45	76.20	68.94	64.37	60.45

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	56.42	53.78	50.68	48.28	46.12	44.13	41.79	40.20	38.68
45.0	61.21	58.00	55.13	51.91	49.39	47.11	44.48	42.66	40.56
90.0	57.70	54.72	52.14	49.28	47.05	45.00	43.19	41.14	39.68
135.0	63.26	59.40	56.24	53.43	50.39	48.05	45.94	43.95	41.90
180.0	75.20	69.12	63.32	59.52	56.47	53.20	50.74	48.46	45.82
225.0	68.65	63.97	59.40	56.36	53.61	50.50	48.16	45.94	43.42
270.0	72.10	66.07	61.92	58.46	54.89	52.26	49.80	47.46	44.77
315.0	63.03	59.58	56.65	53.43	51.03	48.81	46.06	44.01	42.19
360.0	56.42	53.78	50.68	48.28	46.12	44.13	41.79	40.20	38.68

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.28	35.70	34.35	33.01	31.43	30.02	28.62	27.21	25.75
45.0	39.09	37.63	36.40	34.76	33.47	32.19	30.78	28.97	27.56
90.0	38.27	36.64	35.46	33.83	32.54	31.31	29.96	28.32	27.10
135.0	40.38	38.68	37.34	36.11	34.47	33.12	31.84	30.43	28.91
180.0	43.83	41.55	39.97	38.45	37.22	35.70	34.41	33.12	31.84
225.0	41.61	40.03	38.16	36.81	35.52	34.12	32.42	31.08	29.67
270.0	42.84	41.08	39.50	37.69	36.34	35.00	33.24	31.95	30.20
315.0	40.56	38.62	37.22	35.93	34.59	32.95	31.60	30.20	28.79
360.0	37.28	35.70	34.35	33.01	31.43	30.02	28.62	27.21	25.75

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.64	23.70	22.59	21.71	21.07	20.78	20.66	20.72	20.72
45.0	26.39	25.22	23.99	23.17	22.00	21.24	20.83	20.72	20.72
90.0	25.81	24.76	23.70	22.88	22.00	21.36	21.07	21.07	21.19
135.0	27.68	26.45	25.28	24.05	23.23	22.41	21.48	21.13	21.13
180.0	30.14	28.68	27.45	26.28	24.87	23.82	22.88	22.06	21.36
225.0	28.27	26.74	25.52	24.40	23.17	22.41	21.42	20.95	20.78
270.0	28.79	27.39	26.10	24.64	23.70	22.94	22.06	21.13	20.89
315.0	27.21	25.93	24.52	23.58	22.65	21.54	21.07	20.83	20.78
360.0	24.64	23.70	22.59	21.71	21.07	20.78	20.66	20.72	20.72

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.72	20.66	20.54	20.37	20.01	19.72	19.20	18.49	17.79
45.0	20.72	20.83	20.78	20.66	20.54	20.31	20.01	19.66	19.31
90.0	21.24	21.24	21.13	20.95	20.78	20.48	20.19	19.61	19.02
135.0	21.19	21.24	21.36	21.42	21.36	21.24	21.01	20.72	20.31
180.0	21.07	21.07	21.07	21.13	21.24	21.24	21.13	21.01	20.78
225.0	20.72	20.78	20.83	20.83	20.78	20.60	20.42	20.19	19.72
270.0	20.78	20.78	20.78	20.78	20.66	20.48	20.25	19.96	19.66
315.0	20.78	20.78	20.72	20.66	20.42	20.25	20.01	19.66	19.14
360.0	20.72	20.66	20.54	20.37	20.01	19.72	19.20	18.49	17.79

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	16.62	15.45	14.40	13.52	13.05	12.47	12.17	12.23	12.29
45.0	18.38	17.38	15.63	14.57	13.28	12.76	12.41	12.17	12.11
90.0	17.85	16.39	15.27	13.93	13.11	12.76	12.47	12.17	12.11
135.0	19.66	18.43	17.21	15.45	14.16	13.23	12.76	12.52	12.23
180.0	20.54	19.96	19.14	18.08	16.62	15.10	13.93	12.99	12.64
225.0	19.25	18.55	17.62	16.33	14.81	13.81	12.93	12.52	12.29
270.0	19.14	18.55	17.62	16.68	15.39	14.22	13.40	12.82	12.41
315.0	18.26	17.56	16.62	15.27	14.22	13.58	13.05	12.41	12.23
360.0	16.62	15.45	14.40	13.52	13.05	12.47	12.17	12.23	12.29

Intensity data(cd)

C/γ(°)	90.0
0.0	12.29
45.0	12.11
90.0	12.11
135.0	12.17
180.0	12.35
225.0	12.11
270.0	12.11
315.0	12.23
360.0	12.29