NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86 571 85021543 Fax:+86 571 87977635
Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client: NT
LumCAT: 2-2969-LM2
Luminaire: 92.70.121.00
Report No: 20260630-B003
Ballast type: DC

Test No: 20260630-C003	Voltage(V): 36.990
LampCAT: CITIZEN CLU038	Current(A): 0.723
Lamp flux(lm): 3547.0	Power (W): 26.743
Number of Lamps: 1	PF: 0.000
Length(mm): 75	Width(mm): 75
Phm Type: C	Height(mm): 43

Photometric Results

Lumens(lm): 3497.28, Efficiency(%): 98.60% , Luminous Efficacy(lm/W): 130.77
Central intensity(cd): 12147.310, Maximum intensity(cd): 12147.310
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=25.6
[C90/270]Total=25.6
Field angle(10%Imax): [C0/180]Total=60.0
[C90/270]Total=60.0
Maximum s/h(1/2): C0_180=0.43 C90_270=0.43
Maximum s/h(1/4): C0_180=0.44 C90_270=0.44
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 98.60%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.220%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12147.307	0.000	0	0.00%	0.00%
1.0	12106.089	11.605	11.605	0.33%	0.33%
2.0	11972.574	34.560	46.165	0.97%	1.32%
3.0	11716.452	56.656	102.821	1.60%	2.94%
4.0	11418.902	77.441	180.263	2.18%	5.15%
5.0	11015.631	96.512	276.775	2.72%	7.91%
6.0	10497.828	113.059	389.834	3.19%	11.15%
7.0	9946.254	126.896	516.73	3.58%	14.78%
8.0	9315.913	137.856	654.585	3.89%	18.72%
9.0	8692.075	145.945	800.53	4.11%	22.89%
10.0	7965.347	150.744	951.274	4.25%	27.20%
11.0	7273.965	152.272	1103.546	4.29%	31.55%
12.0	6548.392	151.098	1254.644	4.26%	35.87%
13.0	5917.317	147.937	1402.581	4.17%	40.10%
14.0	5246.282	142.893	1545.474	4.03%	44.19%
15.0	4666.704	136.090	1681.563	3.84%	48.08%
16.0	4134.323	128.960	1810.523	3.64%	51.77%
17.0	3631.518	120.935	1931.458	3.41%	55.23%
18.0	3212.357	112.841	2044.299	3.18%	58.45%
19.0	2859.429	105.637	2149.935	2.98%	61.47%
20.0	2555.324	99.105	2249.04	2.79%	64.31%
21.0	2319.235	93.601	2342.642	2.64%	66.98%
22.0	2095.574	88.717	2431.359	2.50%	69.52%
23.0	1938.303	84.642	2516.001	2.39%	71.94%
24.0	1760.969	80.879	2596.88	2.28%	74.25%
25.0	1643.344	77.407	2674.287	2.18%	76.47%
26.0	1564.630	75.725	2750.011	2.13%	78.63%
27.0	1478.207	74.444	2824.455	2.10%	80.76%
28.0	1393.945	72.717	2897.172	2.05%	82.84%
29.0	1310.931	70.767	2967.939	2.00%	84.86%
30.0	1220.134	68.338	3036.277	1.93%	86.82%
31.0	1109.043	64.818	3101.095	1.83%	88.67%
32.0	990.978	60.163	3161.258	1.70%	90.39%
33.0	872.031	54.885	3216.143	1.55%	91.96%
34.0	742.386	48.857	3265	1.38%	93.36%
35.0	613.885	42.121	3307.121	1.19%	94.56%
36.0	495.620	35.327	3342.448	1.00%	95.57%
37.0	394.367	29.026	3371.474	0.82%	96.40%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	291.782	22.903	3394.377	0.65%	97.06%
39.0	234.034	17.948	3412.324	0.51%	97.57%
40.0	140.563	13.065	3425.389	0.37%	97.94%
41.0	92.307	8.292	3433.681	0.23%	98.18%
42.0	60.171	5.540	3439.221	0.16%	98.34%
43.0	45.173	3.902	3443.123	0.11%	98.45%
44.0	35.796	3.056	3446.179	0.09%	98.54%
45.0	29.860	2.523	3448.702	0.07%	98.61%
46.0	25.717	2.173	3450.876	0.06%	98.67%
47.0	22.843	1.931	3452.807	0.05%	98.73%
48.0	20.284	1.743	3454.551	0.05%	98.78%
49.0	18.659	1.599	3456.15	0.05%	98.82%
50.0	17.347	1.501	3457.651	0.04%	98.87%
51.0	16.309	1.424	3459.075	0.04%	98.91%
52.0	15.302	1.356	3460.432	0.04%	98.95%
53.0	14.568	1.299	3461.731	0.04%	98.98%
54.0	13.991	1.259	3462.99	0.04%	99.02%
55.0	13.477	1.226	3464.216	0.03%	99.05%
56.0	13.047	1.199	3465.414	0.03%	99.09%
57.0	12.628	1.174	3466.588	0.03%	99.12%
58.0	12.334	1.154	3467.743	0.03%	99.16%
59.0	12.030	1.139	3468.882	0.03%	99.19%
60.0	11.726	1.122	3470.004	0.03%	99.22%
61.0	11.506	1.109	3471.113	0.03%	99.25%
62.0	11.233	1.096	3472.208	0.03%	99.28%
63.0	10.950	1.079	3473.287	0.03%	99.31%
64.0	10.740	1.064	3474.352	0.03%	99.34%
65.0	10.499	1.051	3475.403	0.03%	99.37%
66.0	10.257	1.036	3476.438	0.03%	99.40%
67.0	10.037	1.020	3477.459	0.03%	99.43%
68.0	9.775	1.004	3478.462	0.03%	99.46%
69.0	9.534	0.985	3479.447	0.03%	99.49%
70.0	9.303	0.967	3480.415	0.03%	99.52%
71.0	9.030	0.948	3481.362	0.03%	99.54%
72.0	8.842	0.929	3482.292	0.03%	99.57%
73.0	8.642	0.914	3483.206	0.03%	99.60%
74.0	8.453	0.899	3484.105	0.03%	99.62%
75.0	8.328	0.887	3484.991	0.02%	99.65%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.233	0.879	3485.87	0.02%	99.67%
77.0	8.139	0.873	3486.743	0.02%	99.70%
78.0	8.065	0.867	3487.611	0.02%	99.72%
79.0	7.982	0.862	3488.473	0.02%	99.75%
80.0	7.919	0.857	3489.33	0.02%	99.77%
81.0	7.803	0.850	3490.18	0.02%	99.80%
82.0	7.751	0.843	3491.024	0.02%	99.82%
83.0	7.635	0.836	3491.86	0.02%	99.85%
84.0	7.457	0.822	3492.682	0.02%	99.87%
85.0	7.279	0.804	3493.487	0.02%	99.89%
86.0	7.090	0.785	3494.272	0.02%	99.91%
87.0	6.954	0.769	3495.041	0.02%	99.94%
88.0	6.828	0.755	3495.796	0.02%	99.96%
89.0	6.733	0.743	3496.539	0.02%	99.98%
90.0	6.691	0.736	3497.275	0.02%	100.00%

Zonal flux distribution table

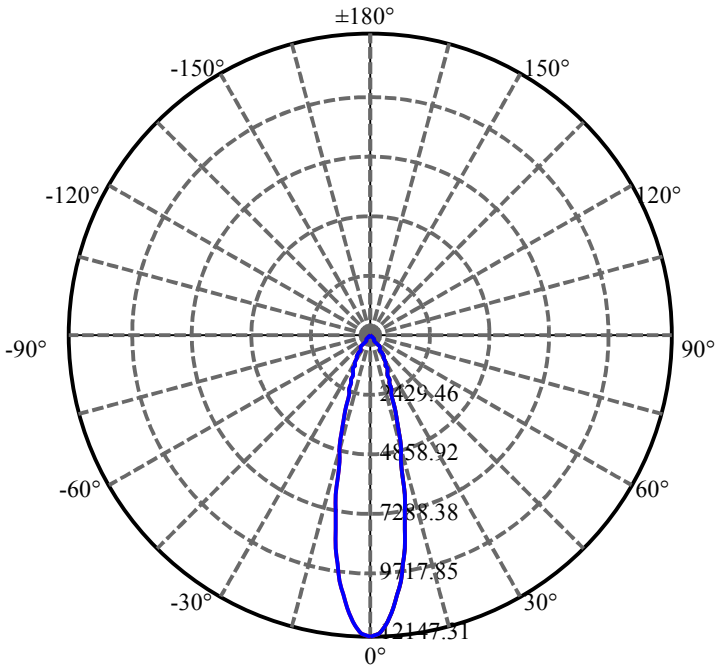
ZONAL LUMEN SUMMARY

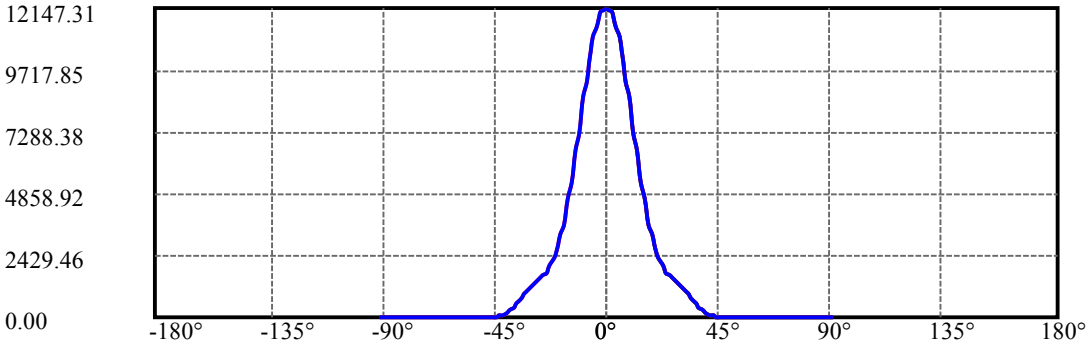
Zone	Lumens	%Lamp	%Fixt
0-30	3036.28	85.60%	86.82%
0-40	3425.39	96.57%	97.94%
0-60	3470.00	97.83%	99.22%
0-90	3496.54	98.58%	99.98%
0-120	3496.54	98.58%	99.98%
0-180	3497.28	98.60%	100.00%
60-90	26.53	0.75%	0.76%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.64	2797.82	78.88%	80.00%

ZONAL LUMEN SUMMARY

0-10	951.27
10-20	1297.77
20-30	787.24
30-40	389.11
40-50	32.26
50-60	12.35
60-70	10.41
70-80	8.92
80-90	7.21
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]





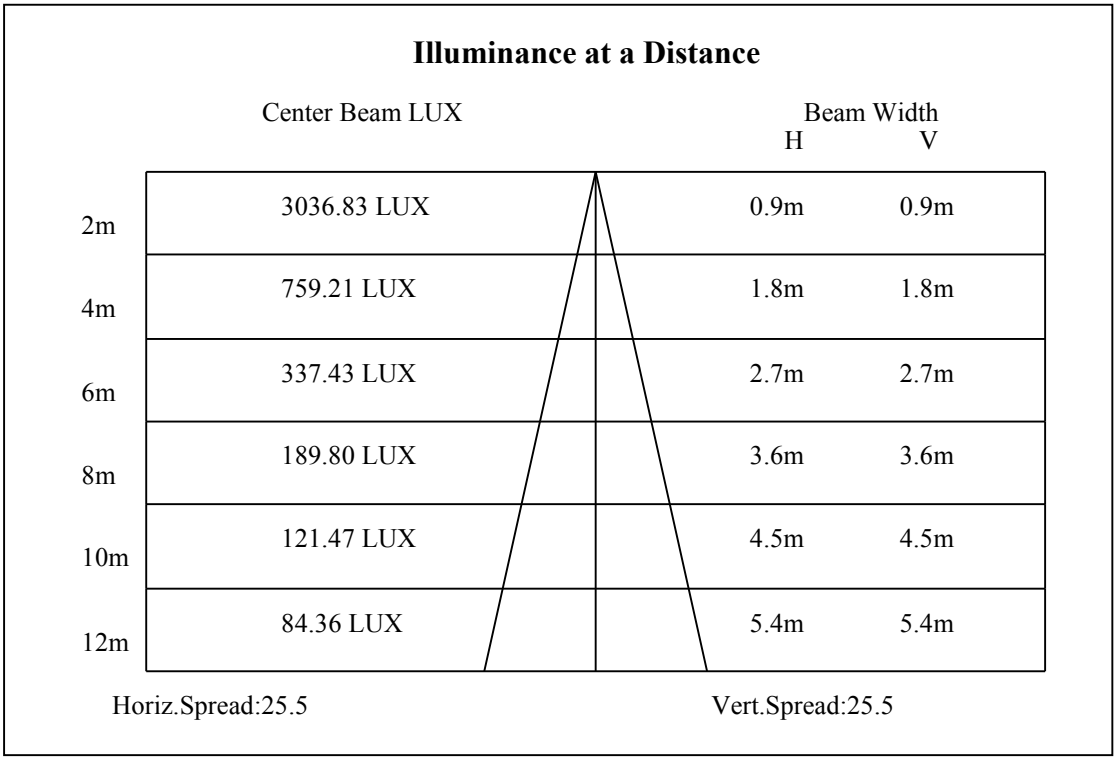
C0(Max):

C0/C180:

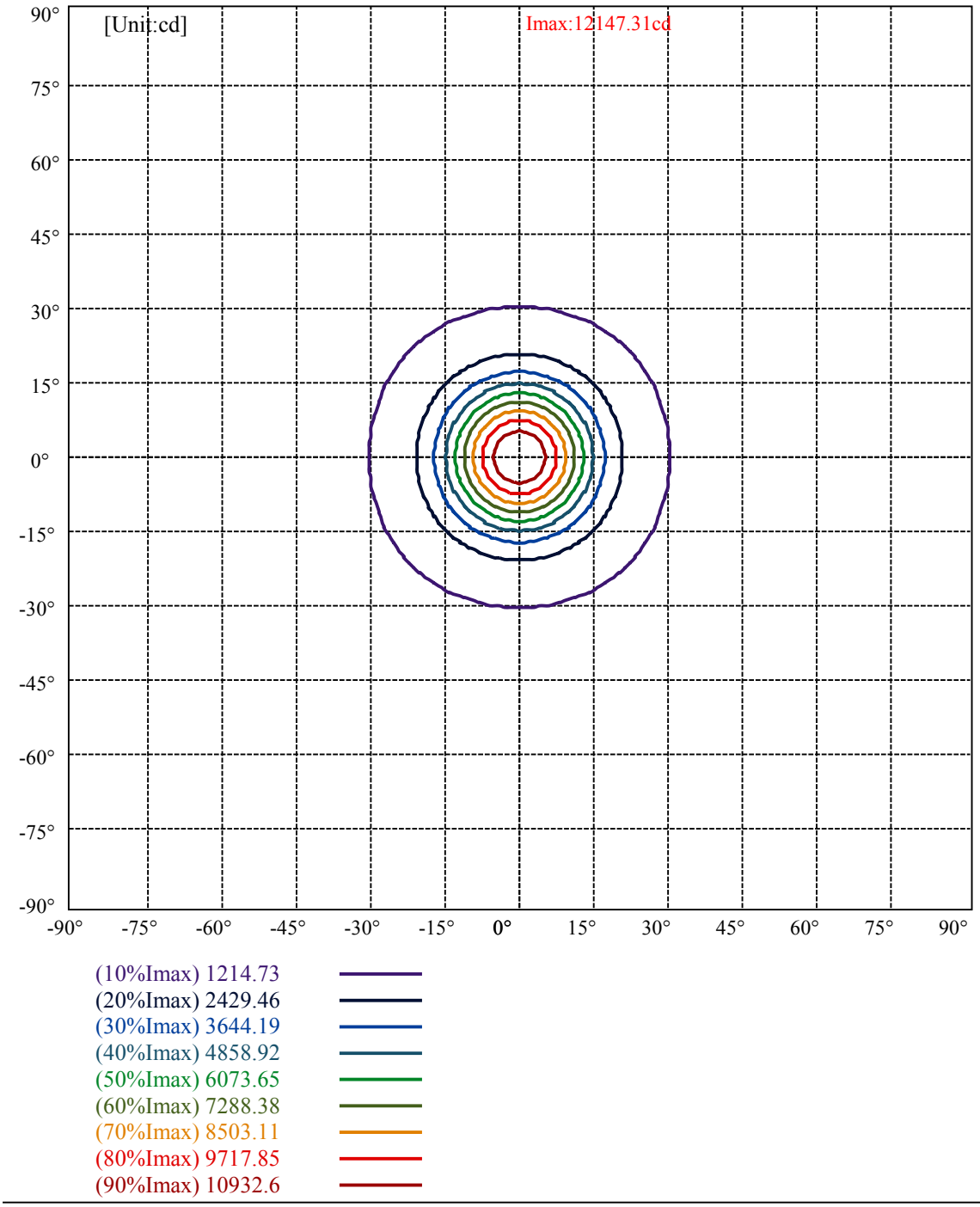
C90/C270:

Field angle(10%Imax):C0/180Left:30.0 Right:30.0
:C90/270Left:30.0 Right:30.0

Beam Angle(50%Imax):C0/180Left:12.8 Right:12.8
:C90/270Left:12.8 Right:12.8


Illuminance at a Distance
Center Beam LUX
Beam Width
H
V
2m
3036.83 LUX
0.9m
0.9m
4m
759.21 LUX
1.8m
1.8m
6m
337.43 LUX
2.7m
2.7m
8m
189.80 LUX
3.6m
3.6m
10m
121.47 LUX
4.5m
4.5m
12m
84.36 LUX
5.4m
5.4m
Horiz.Spread:25.5
Vert.Spread:25.5

ISO-Intensity(V-H)

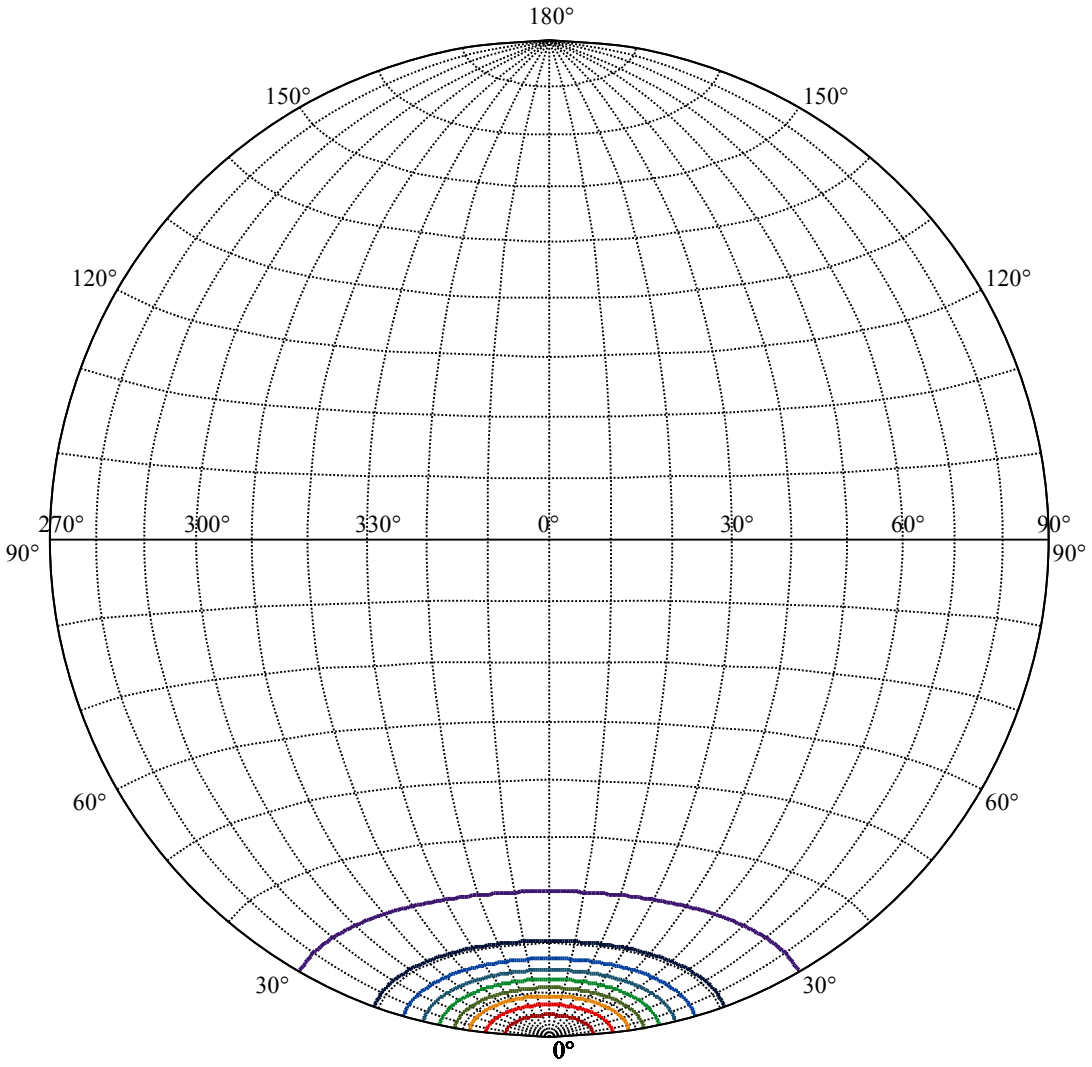


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/6/30
Humidity(%): 60.0%

Operator: Y Z Q
Distance(m): 9.16

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:12147.31

(10%Imax) 1214.73
(20%Imax) 2429.46
(30%Imax) 3644.19
(40%Imax) 4858.92
(50%Imax) 6073.65
(60%Imax) 7288.38
(70%Imax) 8503.11
(80%Imax) 9717.85
(90%Imax) 10932.6

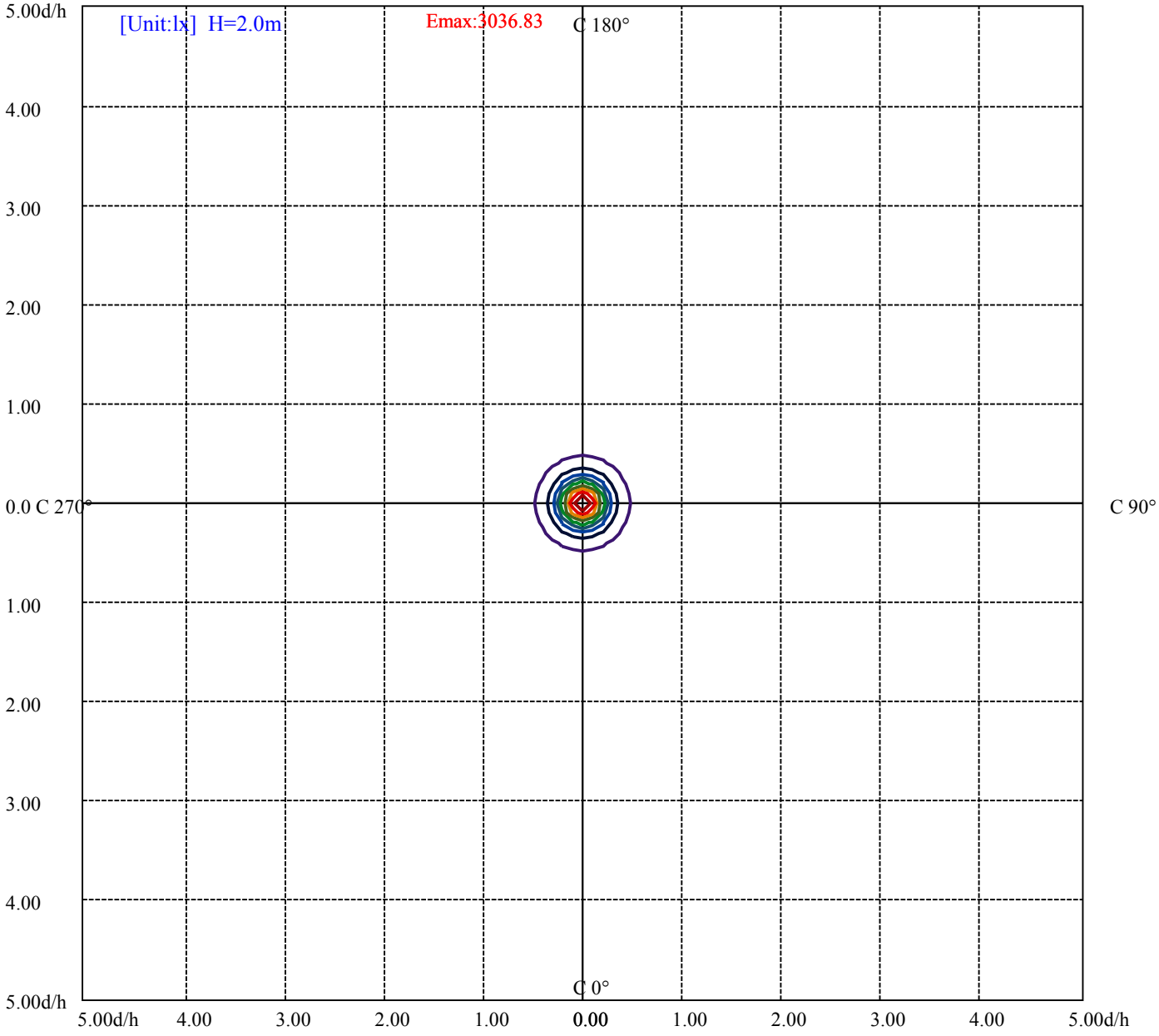
Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/6/30
Humidity(%): 60.0%

Operator: Y Z Q
Distance(m): 9.16

NT Nata 2-2969-LM2

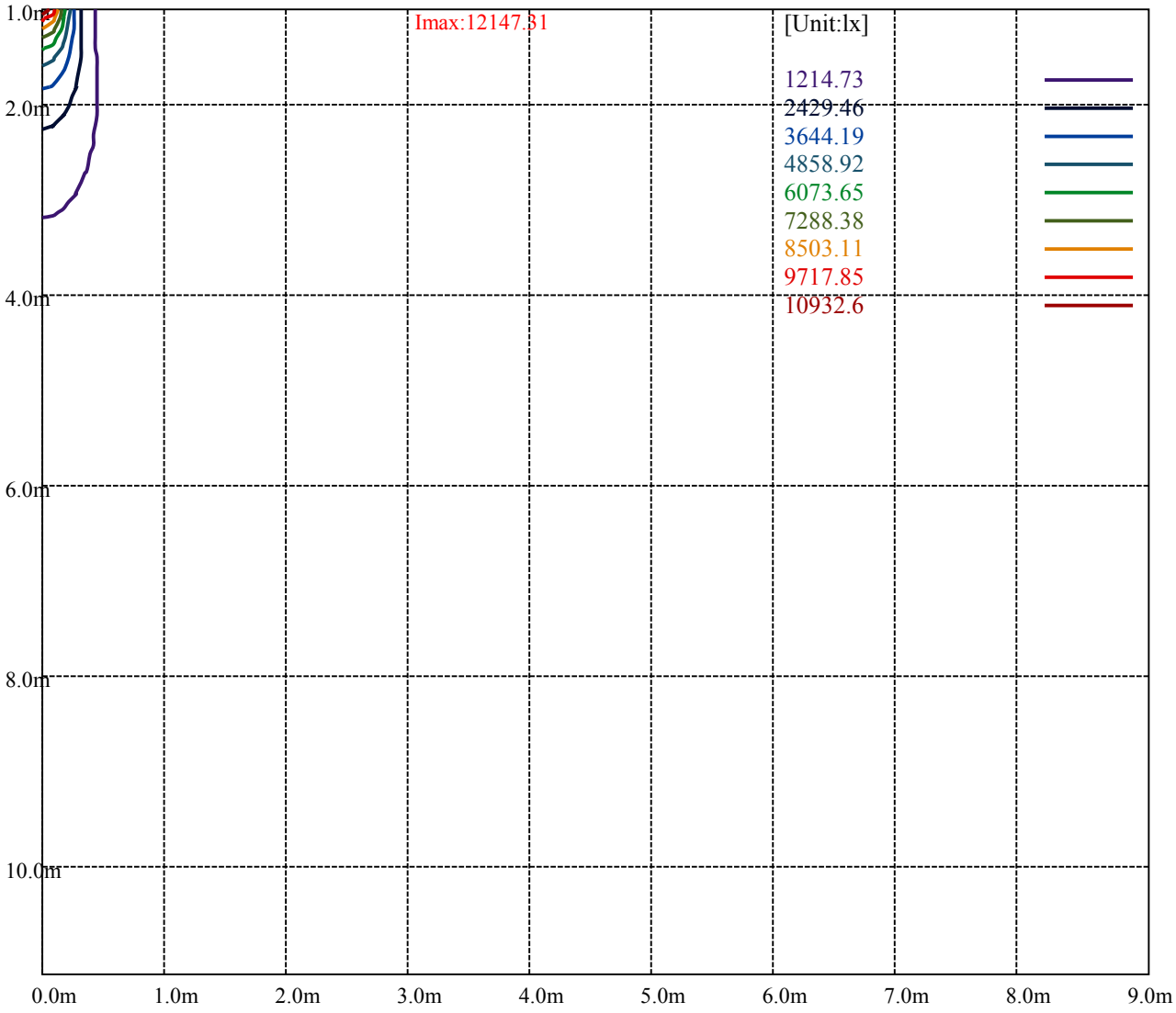
ISO illuminance diagram



(10%Emax) 303.6825
(20%Emax) 607.365
(30%Emax) 911.0475
(40%Emax) 1214.73
(50%Emax) 1518.412
(60%Emax) 1822.095
(70%Emax) 2125.778
(80%Emax) 2429.46
(90%Emax) 2733.15

Equipment: GMS1980
Temperature(°C): 25.0
Date: 2026/6/30
Humidity(%): 60.0%
Operator: Y Z Q
Distance(m): 9.16

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/6/30
Humidity(%): 60.0%

Operator: Y Z Q
Distance(m): 9.16

NT Nata 2-2969-LM2

Luminance Limitting Curve(no luminous side)

Luminance Table

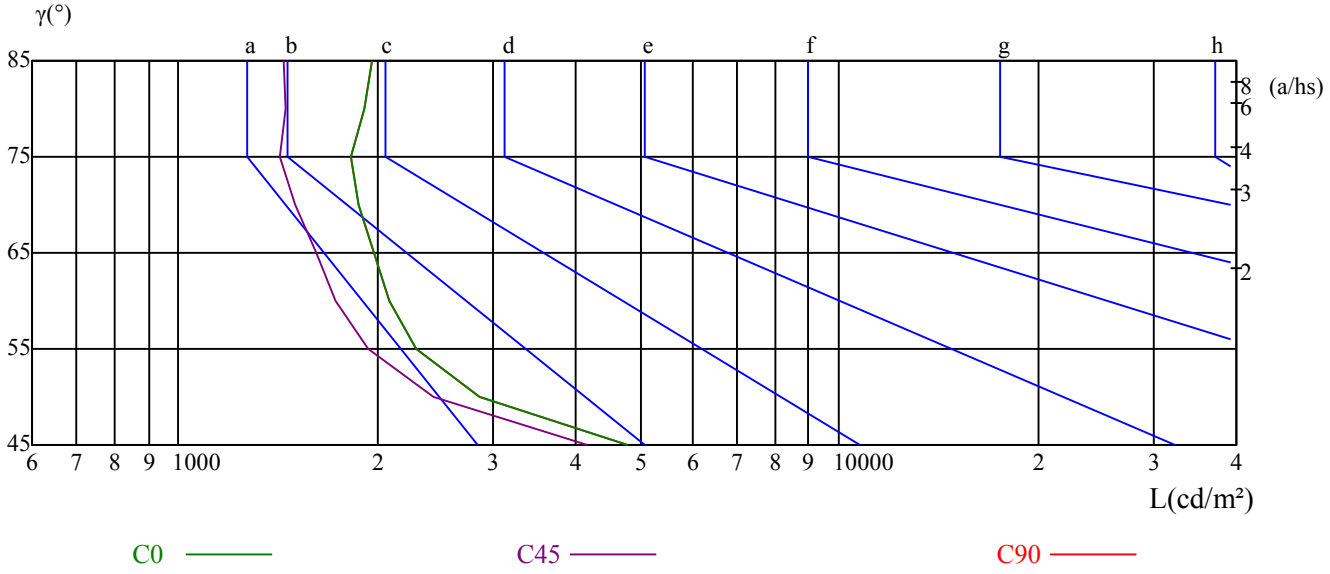
γ	45	50	55	60	65	70	75	80	85
C0	4772	2850	2297	2092	1981	1878	1822	1907	1966
C45	4146	2440	1936	1734	1613	1498	1421	1448	1446
C90	4772	2850	2297	2092	1981	1878	1822	1907	1966

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4416	4416	4416	5720	5720	5720	14847	14847	14847

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

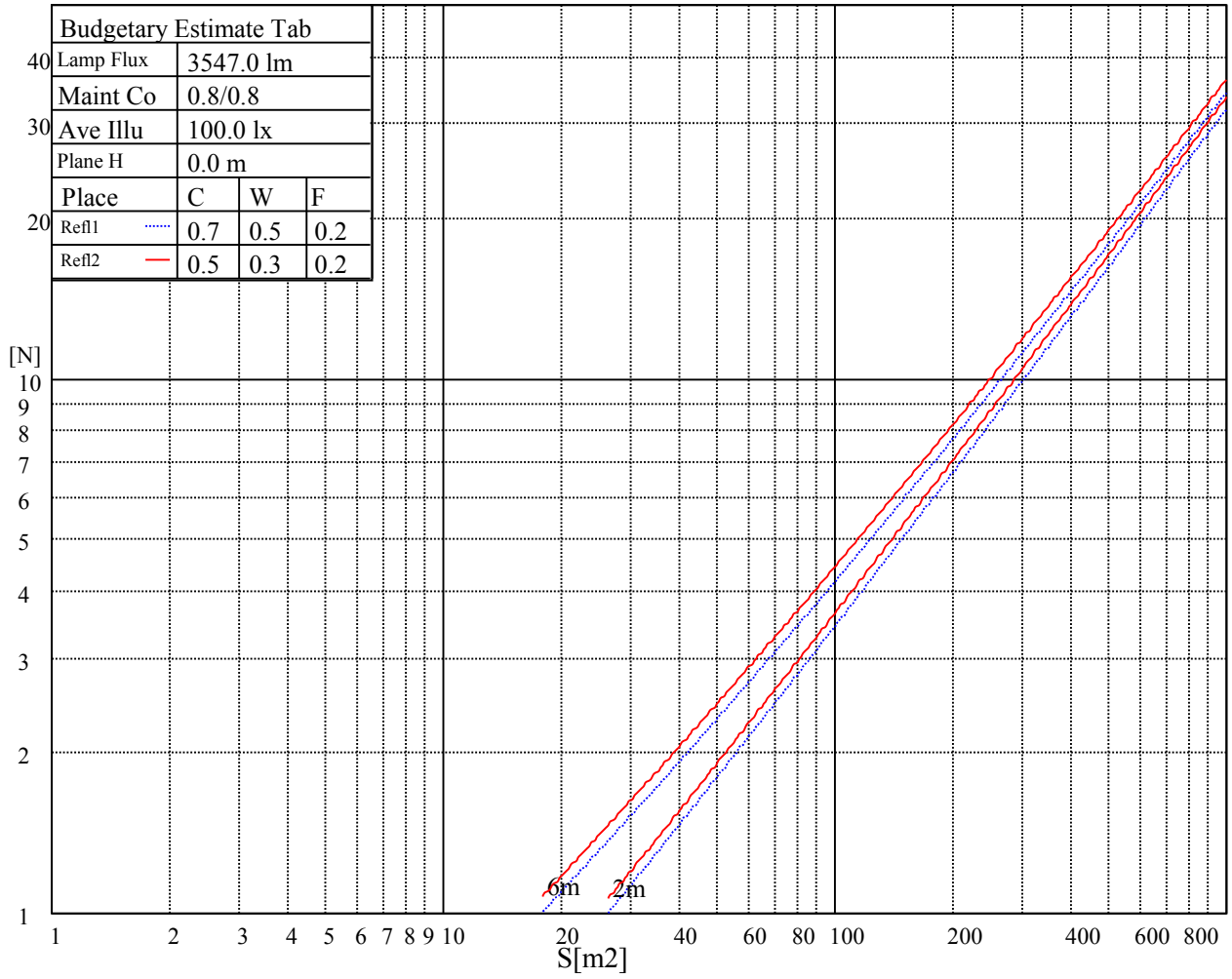


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/6/30
Humidity(%): 60.0%

Operator: Y Z Q
Distance(m): 9.16

Budgetary Estimate Table

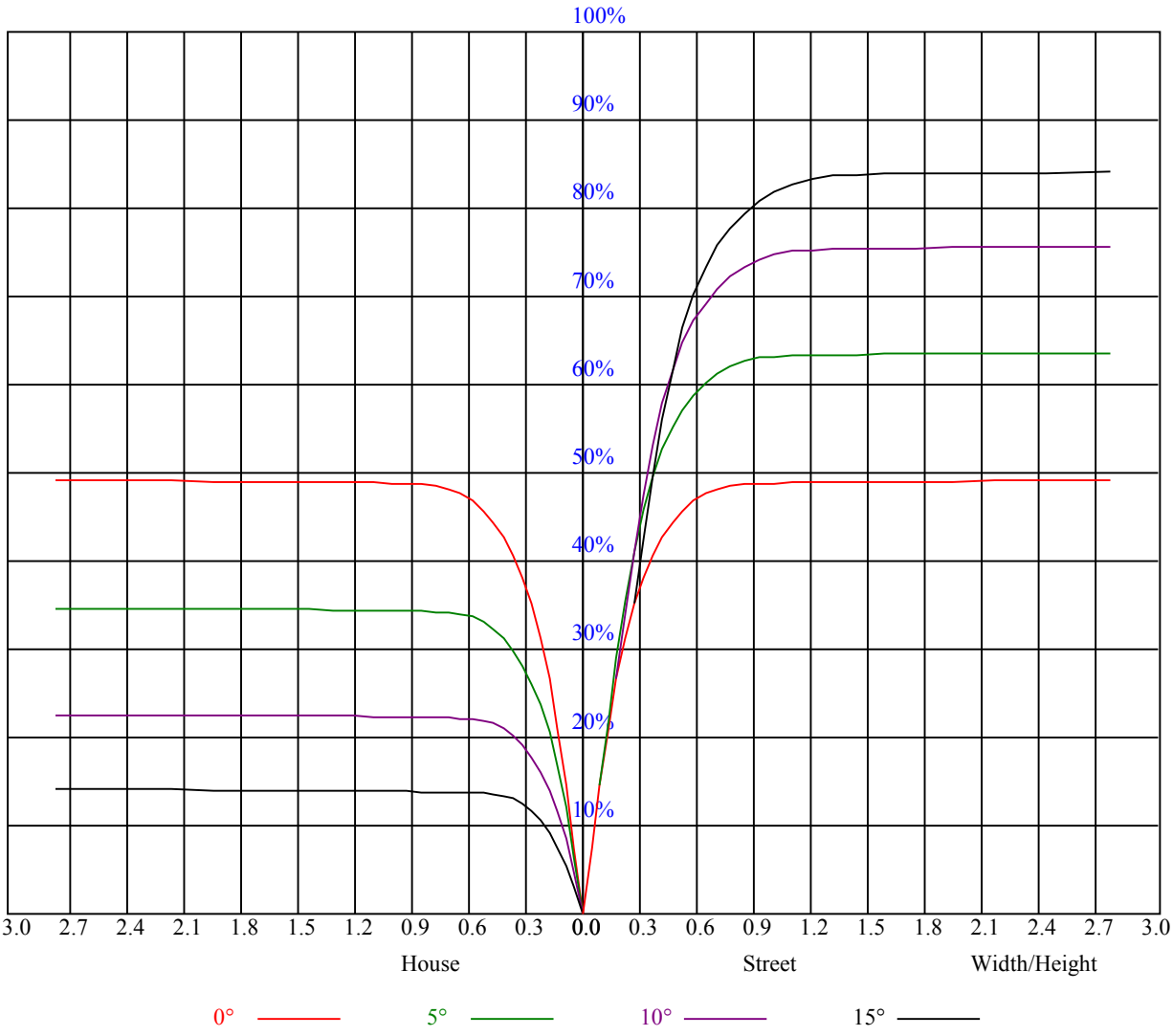


Equipment: GMS1980 Date: 2026/6/30 Operator: Y Z Q
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.16

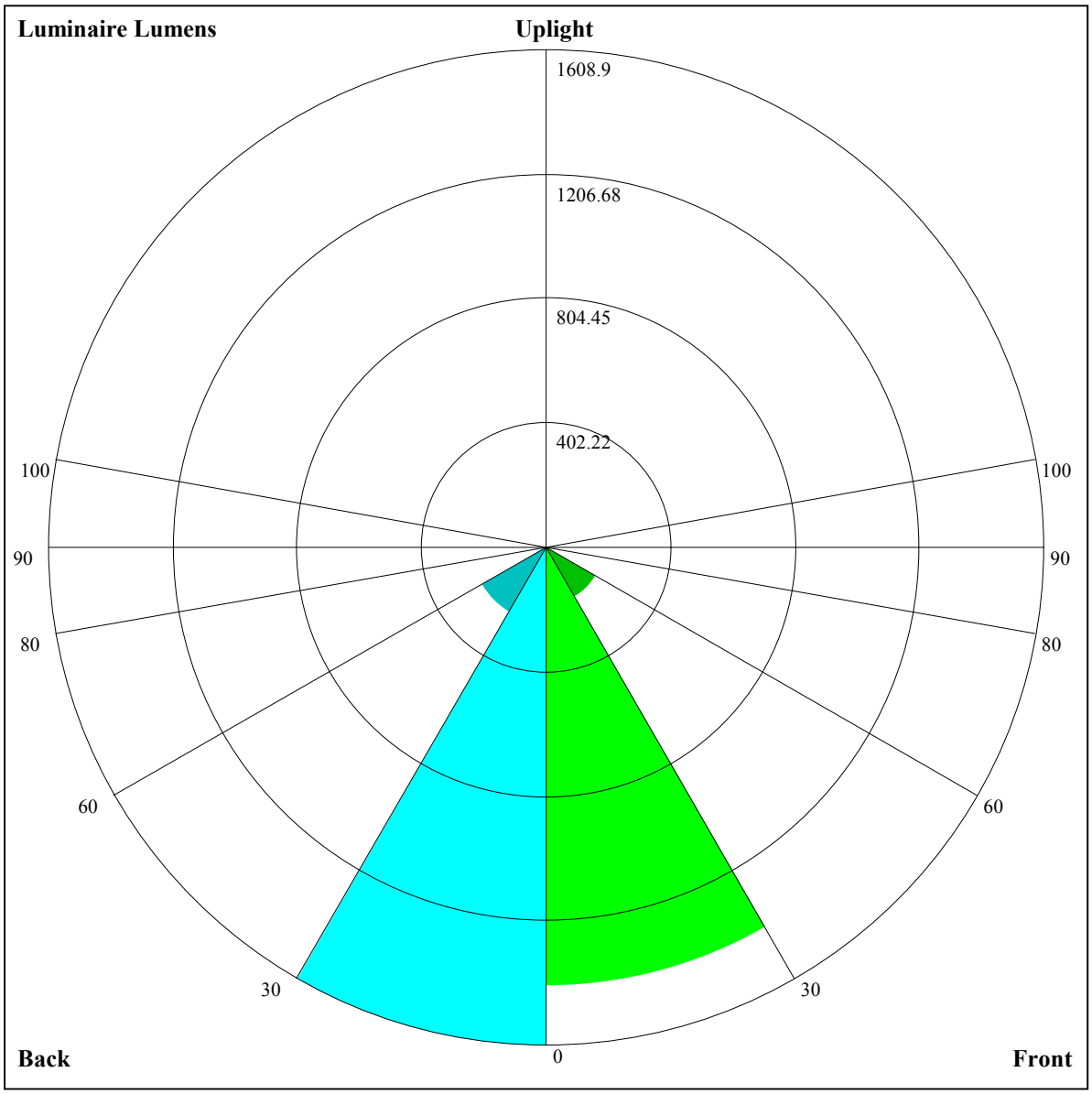
Utilization factor table for indoor luminaire

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	1.17	1.17	1.17	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.99
1	1.10	1.08	1.06	1.08	1.06	1.05	1.04	1.03	1.02	1.01	1.00	0.99	0.97	0.97	0.96	0.94
2	1.04	1.01	0.98	1.03	1.00	0.97	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.93	0.91	0.90
3	0.99	0.95	0.92	0.98	0.94	0.91	0.95	0.92	0.90	0.93	0.90	0.88	0.91	0.89	0.87	0.86
4	0.94	0.90	0.87	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.87	0.84	0.88	0.85	0.83	0.82
5	0.90	0.86	0.82	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.78
6	0.86	0.82	0.78	0.86	0.81	0.78	0.84	0.80	0.77	0.83	0.80	0.77	0.82	0.79	0.76	0.75
7	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.72
8	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.70
9	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.67
10	0.74	0.69	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2026/6/30	Operator: Y Z Q
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 9.16



Luminaire Lumens:
FL=1420.14,FM=186.48,FH=9.61,FVH=3.96
BL=1608.9,BM=243.92,BH=9.89,BVH=4
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	12294.77	12136.19	11920.55	11552.21	11160.37	10698.05	9988.21	9340.46	8677.60
45.0	12251.98	12268.76	12222.61	12033.83	11813.15	11511.09	11140.23	10558.76	10030.16
90.0	12189.89	12233.52	12161.36	12012.01	11789.66	11476.69	10985.84	10526.04	10014.22
135.0	11886.15	12112.70	12250.30	12303.16	12240.23	12103.47	11865.17	11478.37	11102.47
180.0	12294.77	12339.24	12311.55	12172.27	11957.47	11681.42	11318.95	10880.96	10230.69
225.0	12251.98	12166.40	11945.72	11688.97	11363.42	10845.72	10354.87	9799.42	9044.27
270.0	12189.89	12078.30	11879.44	11520.32	11155.33	10594.84	10048.62	9467.99	8677.60
315.0	11819.03	11513.61	11089.05	10448.85	9871.58	9213.76	8280.73	7518.03	6750.29
360.0	12294.77	12136.19	11920.55	11552.21	11160.37	10698.05	9988.21	9340.46	8677.60

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7957.69	7063.26	6355.93	5657.00	5026.03	4304.44	3806.04	3368.89	2905.73
45.0	9463.80	8702.77	8064.25	7294.84	6657.15	6044.64	5481.64	4816.27	4339.68
90.0	9431.91	8665.85	8018.94	7192.47	6526.26	5875.99	5131.75	4576.30	4070.34
135.0	10649.38	10127.49	9386.60	8747.24	8051.67	7145.48	6402.92	5668.75	4799.48
180.0	9649.23	8990.57	8310.09	7433.28	6720.92	5862.57	5226.56	4633.35	3978.89
225.0	8420.85	7788.20	6996.97	6397.05	5809.71	5253.41	4637.55	4182.78	3772.48
270.0	7985.38	7294.00	6600.94	5770.27	5142.66	4574.62	4060.28	3503.14	3125.57
315.0	5978.36	5090.64	4457.99	3894.98	3404.13	2909.09	2586.89	2325.11	2059.97
360.0	7957.69	7063.26	6355.93	5657.00	5026.03	4304.44	3806.04	3368.89	2905.73

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2608.71	2305.81	2109.47	1937.46	1654.79	1654.79	1563.50	1485.30	1400.47
45.0	3909.25	3521.60	3115.50	2829.38	2583.54	2370.42	2140.52	1984.45	1828.39
90.0	3620.61	3143.19	2817.63	2526.48	2291.55	2039.83	1673.41	1673.41	1620.80
135.0	4186.97	3652.49	3097.04	2740.44	2448.45	2210.16	1972.70	1829.23	1707.56
180.0	3512.37	3123.89	2712.75	2438.38	2205.12	2021.37	1869.50	1715.95	1619.46
225.0	3399.94	3007.26	2739.60	2511.38	2273.09	2106.11	1944.18	1663.43	1663.43
270.0	2792.46	2452.64	2231.13	2037.31	1842.65	1712.60	1583.38	1496.96	1420.61
315.0	1668.55	1668.55	1619.46	1533.04	1465.41	1391.15	1340.56	1298.02	1256.32
360.0	2608.71	2305.81	2109.47	1937.46	1654.79	1654.79	1563.50	1485.30	1400.47

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1345.59	1288.20	1215.88	1087.50	972.21	851.81	722.76	569.22	445.20
45.0	1714.28	1612.75	1507.87	1419.77	1306.49	1153.79	1019.54	882.77	749.36
90.0	1499.23	1417.42	1326.80	1257.07	1175.43	1050.08	936.22	813.63	656.56
135.0	1608.55	1506.19	1442.42	1389.56	1324.95	1282.16	1224.27	1116.03	1012.82
180.0	1534.72	1447.46	1385.37	1329.15	1233.50	1137.00	1003.59	887.81	761.95
225.0	1596.30	1516.93	1424.47	1309.43	1155.21	1023.56	890.32	755.23	592.63
270.0	1354.32	1282.16	1210.84	1113.51	1006.95	861.79	739.29	615.95	490.09
315.0	1172.66	1080.45	973.81	855.08	697.59	567.62	440.25	298.45	202.46
360.0	1345.59	1288.20	1215.88	1087.50	972.21	851.81	722.76	569.22	445.20

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	304.66	206.58	129.05	66.37	47.66	40.53	32.72	24.67	20.47
45.0	584.91	459.89	428.00	428.00	147.09	86.25	68.30	55.88	46.48
90.0	532.55	415.67	308.02	196.00	127.03	83.15	62.51	51.01	42.62
135.0	897.03	740.13	608.40	475.83	444.78	297.53	137.35	78.96	51.60
180.0	637.77	487.58	430.52	430.52	167.31	81.14	53.03	43.21	35.58
225.0	469.28	352.15	222.43	143.98	95.15	72.41	62.34	52.02	41.45
270.0	428.84	428.84	163.28	93.55	66.20	54.12	46.06	38.34	32.05
315.0	109.92	64.10	44.55	38.01	29.28	23.33	19.05	17.28	16.11
360.0	304.66	206.58	129.05	66.37	47.66	40.53	32.72	24.67	20.47

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	18.54	17.28	15.94	15.02	14.10	13.26	12.59	12.08	11.66
45.0	38.93	32.72	29.62	27.10	24.50	22.57	20.81	19.38	18.12
90.0	35.58	29.45	26.60	22.99	20.98	19.63	18.38	17.12	16.36
135.0	40.53	33.39	26.85	20.81	18.79	17.37	16.53	15.69	14.68
180.0	26.68	21.31	18.46	16.61	15.61	14.43	13.68	12.84	12.25
225.0	35.83	32.39	29.70	26.68	24.50	22.40	20.64	18.96	17.96
270.0	27.52	24.75	21.98	20.14	18.38	17.20	16.19	15.10	14.43
315.0	15.27	14.43	13.59	12.92	12.42	11.91	11.66	11.24	11.08
360.0	18.54	17.28	15.94	15.02	14.10	13.26	12.59	12.08	11.66

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	11.41	11.16	10.91	10.74	10.57	10.40	10.24	10.15	10.07
45.0	17.37	16.61	16.03	15.27	14.77	14.10	13.59	13.26	12.67
90.0	15.77	15.27	14.68	14.26	13.93	13.59	13.26	13.01	12.59
135.0	13.93	13.34	12.92	12.42	12.17	11.91	11.66	11.41	11.24
180.0	11.75	11.50	11.24	11.08	10.82	10.74	10.57	10.49	10.32
225.0	17.03	16.11	15.35	14.68	14.18	13.68	13.09	12.67	12.25
270.0	13.84	13.26	12.84	12.33	12.08	11.83	11.58	11.33	11.08
315.0	10.82	10.57	10.40	10.24	10.15	9.98	9.82	9.73	9.65
360.0	11.41	11.16	10.91	10.74	10.57	10.40	10.24	10.15	10.07

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.90	9.82	9.73	9.57	9.31	9.15	8.89	8.73	8.56
45.0	12.17	11.83	11.41	10.99	10.57	10.24	9.90	9.57	9.15
90.0	12.25	11.91	11.58	11.24	10.99	10.66	10.24	9.90	9.65
135.0	11.08	10.91	10.74	10.57	10.40	10.24	10.07	9.82	9.48
180.0	10.24	10.15	9.98	9.90	9.82	9.65	9.57	9.40	9.15
225.0	11.75	11.41	10.99	10.66	10.40	9.98	9.65	9.31	8.98
270.0	10.82	10.66	10.49	10.24	10.07	9.73	9.48	9.31	9.06
315.0	9.40	9.23	9.06	8.89	8.73	8.56	8.47	8.39	8.22
360.0	9.90	9.82	9.73	9.57	9.31	9.15	8.89	8.73	8.56

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.39	8.22	8.14	8.05	8.05	7.97	7.89	7.80	7.72
45.0	8.89	8.64	8.39	8.22	8.14	8.05	7.97	7.89	7.80
90.0	9.31	9.06	8.89	8.73	8.56	8.47	8.39	8.39	8.31
135.0	9.31	9.15	8.81	8.64	8.47	8.31	8.22	8.14	8.05
180.0	9.06	8.81	8.64	8.47	8.31	8.22	8.14	8.05	7.97
225.0	8.73	8.47	8.22	8.14	8.05	7.89	7.89	7.72	7.72
270.0	8.89	8.73	8.56	8.47	8.47	8.39	8.31	8.14	8.05
315.0	8.14	8.05	7.97	7.89	7.80	7.80	7.72	7.72	7.72
360.0	8.39	8.22	8.14	8.05	8.05	7.97	7.89	7.80	7.72

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.64	7.64	7.55	7.55	7.47	7.05	6.96	6.63	6.63
45.0	7.72	7.64	7.64	7.55	7.38	7.13	6.96	6.88	6.71
90.0	8.14	8.05	7.89	7.72	7.47	7.22	7.05	6.88	6.71
135.0	7.97	7.89	7.80	7.72	7.64	7.47	7.30	7.13	7.05
180.0	7.80	7.80	7.72	7.55	7.22	7.13	7.05	6.96	6.88
225.0	7.55	7.55	7.47	7.05	6.96	6.96	6.80	6.71	6.54
270.0	7.97	7.89	7.72	7.38	7.05	6.96	6.80	6.71	6.63
315.0	7.64	7.55	7.30	7.13	7.05	6.80	6.71	6.71	6.71
360.0	7.64	7.64	7.55	7.55	7.47	7.05	6.96	6.63	6.63

Intensity data(cd)

C/γ(°)	90.0
0.0	6.63
45.0	6.54
90.0	6.71
135.0	7.05
180.0	6.80
225.0	6.54
270.0	6.54
315.0	6.71
360.0	6.63