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Nata

Client: NT
LumCAT: 3-2997-LM2
Luminaire: 99.02.73.207
Report No: 20260512-B007
Ballast type: DC

Test No: 20260512-C007	Voltage(V): 51.060
LampCAT: Bridgelux V22 Gen8	Current(A): 0.948
Lamp flux(lm): 8019.5	Power (W): 48.400
Number of Lamps: 1	PF: 0.000
Length(mm): 92	Width(mm): 92
Phm Type: C	Height(mm): 49

Photometric Results

Lumens(lm): 7646.51, Efficiency(%): 95.35% , Luminous Efficacy(lm/W): 157.99
Central intensity(cd): 13937.220, Maximum intensity(cd): 13937.220
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=41.2
[C90/270]Total=41.2
Field angle(10%Imax): [C0/180]Total=75.0
[C90/270]Total=75.0
Maximum s/h(1/2): C0_180=0.68 C90_270=0.68
Maximum s/h(1/4): C0_180=0.65 C90_270=0.65
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.35%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.377%

NT Nata 3-2997-LM2

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	13937.224	0.000	0	0.00%	0.00%
1.0	13923.694	13.331	13.331	0.17%	0.17%
2.0	13876.392	39.901	53.232	0.50%	0.70%
3.0	13797.101	66.186	119.418	0.83%	1.56%
4.0	13693.583	92.020	211.438	1.15%	2.77%
5.0	13575.590	117.311	328.749	1.46%	4.30%
6.0	13429.804	141.921	470.669	1.77%	6.16%
7.0	13281.711	165.798	636.467	2.07%	8.32%
8.0	13105.614	188.849	825.316	2.35%	10.79%
9.0	12896.794	210.735	1036.052	2.63%	13.55%
10.0	12622.108	230.937	1266.988	2.88%	16.57%
11.0	12315.223	249.175	1516.163	3.11%	19.83%
12.0	11952.751	265.284	1781.447	3.31%	23.30%
13.0	11532.699	278.713	2060.16	3.48%	26.94%
14.0	11053.808	289.105	2349.265	3.61%	30.72%
15.0	10553.940	296.641	2645.906	3.70%	34.60%
16.0	9978.243	300.854	2946.76	3.75%	38.54%
17.0	9348.636	300.971	3247.732	3.75%	42.47%
18.0	8725.322	298.000	3545.732	3.72%	46.37%
19.0	8040.758	291.695	3837.427	3.64%	50.19%
20.0	7359.654	281.870	4119.298	3.51%	53.87%
21.0	6685.367	269.693	4388.991	3.36%	57.40%
22.0	6080.198	256.529	4645.52	3.20%	60.75%
23.0	5466.429	242.279	4887.799	3.02%	63.92%
24.0	4946.424	227.662	5115.462	2.84%	66.90%
25.0	4498.788	214.763	5330.225	2.68%	69.71%
26.0	4075.274	202.392	5532.617	2.52%	72.35%
27.0	3703.153	190.301	5722.918	2.37%	74.84%
28.0	3371.306	179.110	5902.028	2.23%	77.19%
29.0	3114.135	169.677	6071.705	2.12%	79.40%
30.0	2885.912	162.000	6233.705	2.02%	81.52%
31.0	2696.181	155.342	6389.047	1.94%	83.56%
32.0	2508.547	149.109	6538.156	1.86%	85.51%
33.0	2320.598	142.268	6680.425	1.77%	87.37%
34.0	2052.226	132.335	6812.759	1.65%	89.10%
35.0	1875.290	121.974	6934.733	1.52%	90.69%
36.0	1689.712	113.510	7048.244	1.42%	92.18%
37.0	1500.767	104.056	7152.299	1.30%	93.54%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	1295.481	93.335	7245.634	1.16%	94.76%
39.0	1074.327	80.888	7326.522	1.01%	95.82%
40.0	870.353	67.824	7394.346	0.85%	96.70%
41.0	671.360	54.900	7449.245	0.68%	97.42%
42.0	505.468	42.756	7492.002	0.53%	97.98%
43.0	375.876	32.648	7524.649	0.41%	98.41%
44.0	254.842	23.805	7548.454	0.30%	98.72%
45.0	125.995	14.636	7563.09	0.18%	98.91%
46.0	55.483	7.097	7570.187	0.09%	99.00%
47.0	38.167	3.725	7573.912	0.05%	99.05%
48.0	31.632	2.822	7576.734	0.04%	99.09%
49.0	27.102	2.412	7579.146	0.03%	99.12%
50.0	24.165	2.137	7581.283	0.03%	99.15%
51.0	22.287	1.965	7583.249	0.02%	99.17%
52.0	21.343	1.872	7585.121	0.02%	99.20%
53.0	20.525	1.821	7586.942	0.02%	99.22%
54.0	19.854	1.780	7588.722	0.02%	99.24%
55.0	19.330	1.749	7590.471	0.02%	99.27%
56.0	18.805	1.723	7592.194	0.02%	99.29%
57.0	18.354	1.699	7593.893	0.02%	99.31%
58.0	17.977	1.680	7595.573	0.02%	99.33%
59.0	17.652	1.666	7597.239	0.02%	99.36%
60.0	17.337	1.653	7598.892	0.02%	99.38%
61.0	17.075	1.642	7600.534	0.02%	99.40%
62.0	16.855	1.635	7602.169	0.02%	99.42%
63.0	16.655	1.630	7603.799	0.02%	99.44%
64.0	16.466	1.625	7605.424	0.02%	99.46%
65.0	16.299	1.622	7607.046	0.02%	99.48%
66.0	16.141	1.619	7608.664	0.02%	99.51%
67.0	15.995	1.616	7610.28	0.02%	99.53%
68.0	15.848	1.613	7611.893	0.02%	99.55%
69.0	15.690	1.609	7613.502	0.02%	99.57%
70.0	15.554	1.605	7615.107	0.02%	99.59%
71.0	15.428	1.601	7616.708	0.02%	99.61%
72.0	15.313	1.598	7618.306	0.02%	99.63%
73.0	15.197	1.595	7619.902	0.02%	99.65%
74.0	15.061	1.591	7621.493	0.02%	99.67%
75.0	14.977	1.587	7623.08	0.02%	99.69%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.862	1.584	7624.664	0.02%	99.71%
77.0	14.757	1.579	7626.243	0.02%	99.73%
78.0	14.652	1.574	7627.817	0.02%	99.76%
79.0	14.568	1.570	7629.387	0.02%	99.78%
80.0	14.526	1.569	7630.956	0.02%	99.80%
81.0	14.442	1.567	7632.522	0.02%	99.82%
82.0	14.369	1.562	7634.084	0.02%	99.84%
83.0	14.358	1.562	7635.646	0.02%	99.86%
84.0	14.316	1.562	7637.208	0.02%	99.88%
85.0	14.253	1.559	7638.768	0.02%	99.90%
86.0	14.212	1.556	7640.324	0.02%	99.92%
87.0	14.180	1.554	7641.877	0.02%	99.94%
88.0	14.117	1.550	7643.427	0.02%	99.96%
89.0	14.044	1.544	7644.971	0.02%	99.98%
90.0	14.023	1.539	7646.51	0.02%	100.00%

Zonal flux distribution table

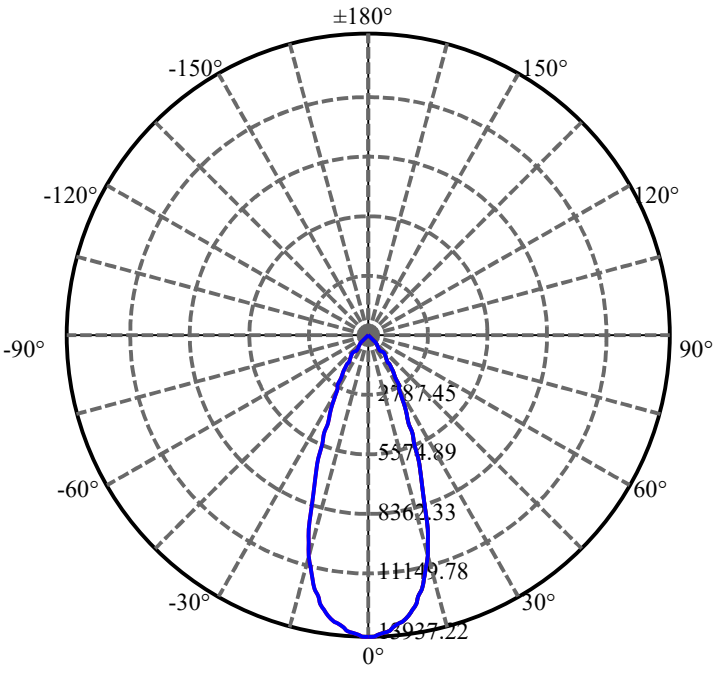
ZONAL LUMEN SUMMARY

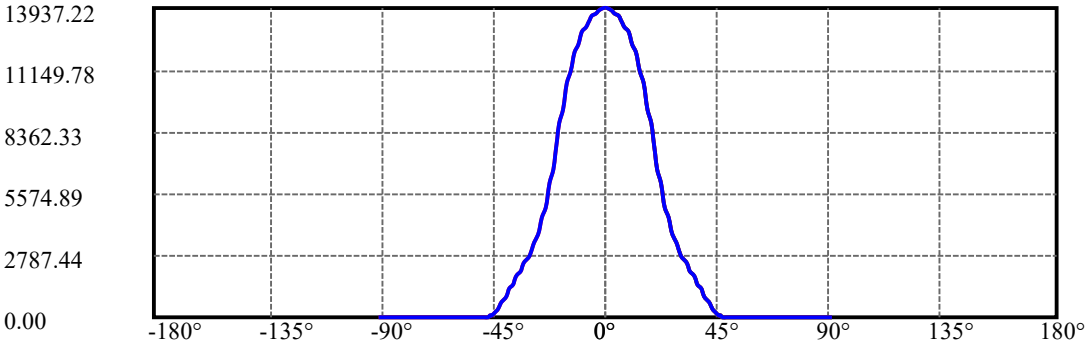
Zone	Lumens	%Lamp	%Fixt
0-30	6233.71	77.73%	81.52%
0-40	7394.35	92.20%	96.70%
0-60	7598.89	94.76%	99.38%
0-90	7644.97	95.33%	99.98%
0-120	7644.97	95.33%	99.98%
0-180	7646.51	95.35%	100.00%
60-90	46.08	0.57%	0.60%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.28	6117.21	76.28%	80.00%

ZONAL LUMEN SUMMARY

0-10	1266.99
10-20	2852.31
20-30	2114.41
30-40	1160.64
40-50	186.94
50-60	17.61
60-70	16.21
70-80	15.85
80-90	14.02
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):

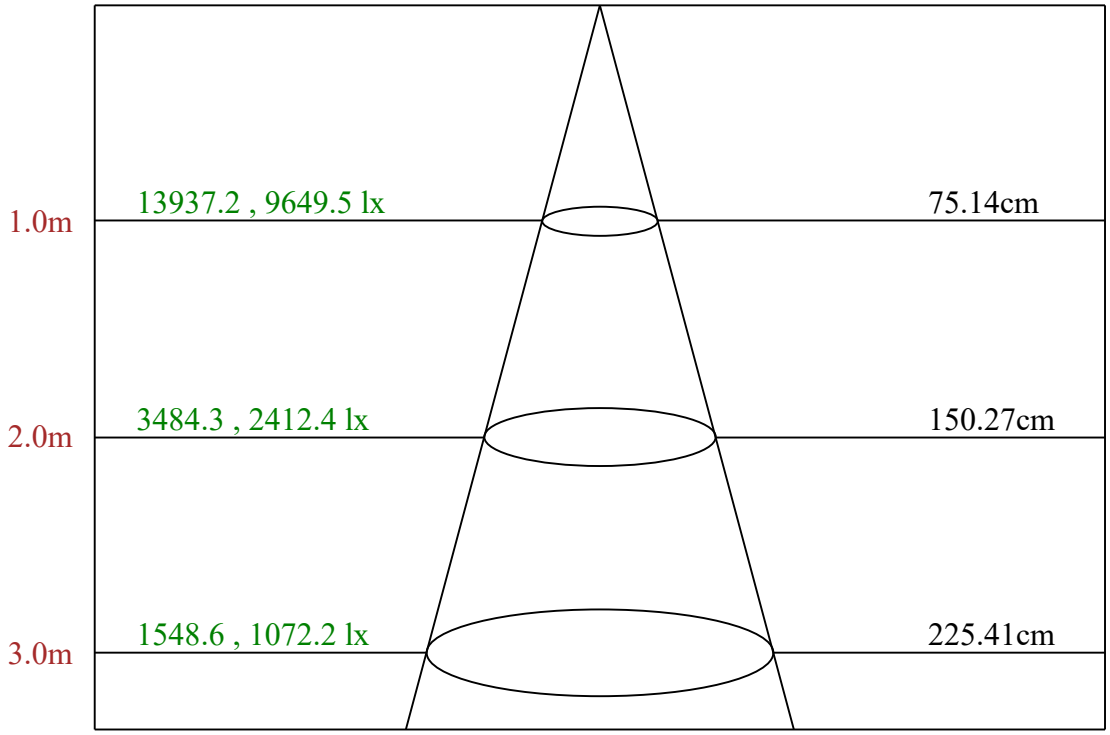
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:37.5 Right:37.5
:C90/270Left:37.5 Right:37.5

Beam Angle(50%Imax):C0/180Left:20.6 Right:20.6
:C90/270Left:20.6 Right:20.6

Lux distance Curve



Max , Ave

Beam angle of C0 plane 41.18

NT Nata 3-2997-LM2

Luminance Limitting Curve(no luminous side)

Luminance Table

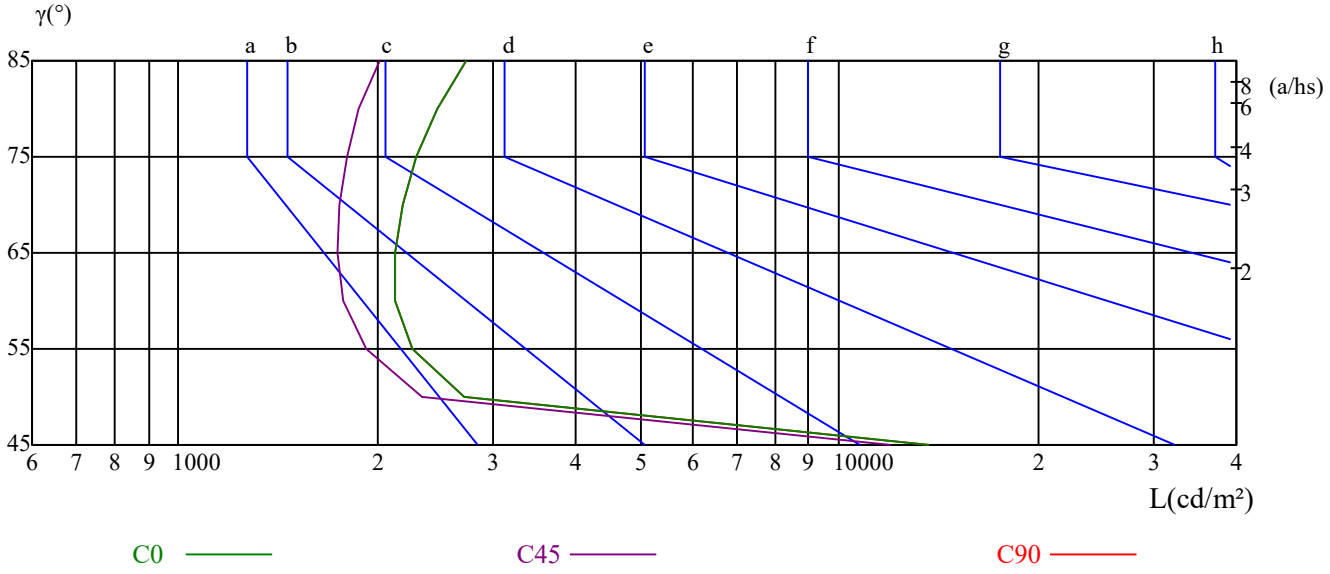
γ	45	50	55	60	65	70	75	80	85
C0	13736	2717	2261	2131	2127	2181	2288	2458	2726
C45	12008	2341	1918	1778	1742	1750	1794	1875	2011
C90	13736	2717	2261	2131	2127	2181	2288	2458	2726

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4556	4556	4556	6837	6837	6837	19322	19322	19322

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

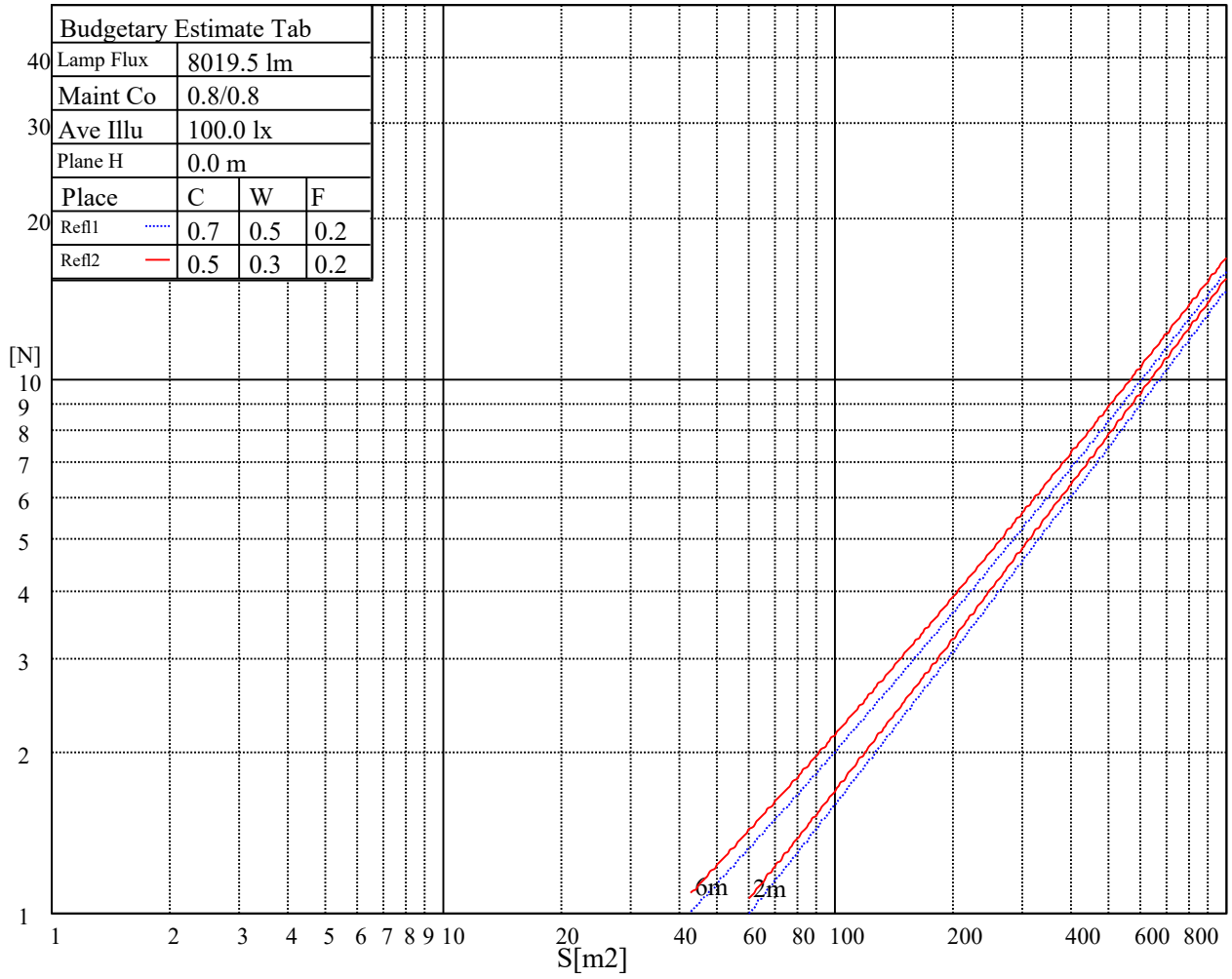
Date: 2026/5/12
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.16

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	20.34	21.26	20.70	21.57	21.89	19.67	20.59	20.03	20.90	21.22
	3H	20.13	20.95	20.52	21.29	21.64	19.46	20.28	19.85	20.62	20.97
	4H	20.04	20.79	20.44	21.15	21.52	19.37	20.13	19.77	20.48	20.85
	6H	19.96	20.65	20.38	21.03	21.43	19.30	19.99	19.72	20.37	20.77
	8H	19.90	20.56	20.32	20.94	21.35	19.24	19.90	19.66	20.28	20.69
	12H	19.84	20.46	20.27	20.86	21.28	19.19	19.81	19.61	20.20	20.62
4H	2H	20.01	20.77	20.42	21.13	21.49	19.34	20.10	19.74	20.45	20.82
	3H	19.77	20.41	20.20	20.80	21.22	19.11	19.74	19.53	20.14	20.56
	4H	19.71	20.26	20.15	20.68	21.13	19.05	19.59	19.49	20.02	20.47
	6H	19.60	20.08	20.07	20.53	20.99	18.94	19.42	19.42	19.88	20.33
	8H	19.56	20.00	20.05	20.46	20.94	18.91	19.35	19.40	19.81	20.29
	12H	19.54	19.95	20.03	20.40	20.92	18.89	19.30	19.39	19.76	20.28
8H	4H	19.51	19.96	20.00	20.42	20.89	18.85	19.30	19.34	19.76	20.23
	6H	19.40	19.76	19.90	20.24	20.75	18.75	19.11	19.26	19.59	20.10
	8H	19.42	19.72	19.95	20.24	20.74	18.78	19.08	19.31	19.60	20.10
	12H	19.42	19.65	19.96	20.16	20.69	18.79	19.02	19.33	19.53	20.06
12H	4H	19.46	19.87	19.95	20.32	20.84	18.80	19.21	19.29	19.66	20.18
	6H	19.39	19.69	19.92	20.21	20.71	18.74	19.04	19.27	19.56	20.06
	8H	19.38	19.61	19.92	20.12	20.65	18.74	18.97	19.28	19.48	20.01
Variation with the observer position at spacings:											
S = 1.0H		5.2/-13.8					5.2/-13.8				
S = 1.5H		7.9/-12.0					7.9/-12.0				
S = 2.0H		9.9/-10.7					9.9/-10.7				
Standard tables:		BK0					BK0				
Uncorrected UGR		0.5					0.5				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

Budgetary Estimate Table



Equipment: GMS1980 Date: 2026/5/12 Operator: YZQ
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	1.14	1.14	1.14	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.92	0.90
2	1.00	0.96	0.93	0.98	0.95	0.92	0.95	0.93	0.90	0.92	0.90	0.88	0.90	0.88	0.87	0.85
3	0.94	0.90	0.86	0.93	0.89	0.86	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.80
4	0.89	0.84	0.80	0.88	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.77	0.76
5	0.84	0.79	0.75	0.83	0.79	0.75	0.82	0.78	0.74	0.80	0.77	0.74	0.79	0.76	0.73	0.72
6	0.80	0.75	0.71	0.79	0.74	0.71	0.78	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.68
7	0.76	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.65
8	0.72	0.67	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.62
9	0.69	0.64	0.61	0.68	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.59
10	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.56

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	13939.32	13911.63	13853.74	13769.83	13632.23	13488.75	13328.49	13142.22	12987.83
45.0	13947.71	13949.39	13916.67	13837.80	13747.18	13633.07	13465.25	13338.56	13196.76
90.0	13946.03	13904.92	13822.69	13726.20	13612.93	13500.49	13339.40	13190.88	13017.20
135.0	13915.83	13941.00	13925.06	13867.16	13789.97	13703.55	13597.83	13456.02	13304.16
180.0	13939.32	13933.45	13901.56	13836.12	13736.27	13638.10	13528.18	13389.74	13165.71
225.0	13947.71	13942.68	13880.59	13802.56	13707.74	13600.34	13449.31	13295.77	13096.91
270.0	13946.03	13951.07	13929.25	13889.82	13805.91	13675.86	13552.52	13423.30	13248.78
315.0	13915.83	13855.42	13781.58	13647.33	13516.44	13364.57	13177.46	13017.20	12827.57
360.0	13939.32	13911.63	13853.74	13769.83	13632.23	13488.75	13328.49	13142.22	12987.83

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	12810.79	12538.94	12283.86	11966.70	11615.98	11125.97	10700.57	10246.64	9756.63
45.0	12992.87	12796.53	12566.63	12208.35	11868.53	11485.08	11058.00	10465.63	9943.74
90.0	12808.27	12470.97	12144.58	11770.36	11228.33	10744.20	10221.46	9501.55	8882.33
135.0	13123.76	12914.83	12587.60	12272.12	11906.29	11373.49	10891.87	10357.39	9616.50
180.0	12945.04	12593.48	12258.69	11860.98	11304.69	10805.45	10260.90	9670.20	8882.33
225.0	12794.85	12504.54	12069.07	11666.32	11208.19	10704.76	10009.18	9403.38	8754.79
270.0	13086.00	12881.27	12637.11	12253.66	11899.58	11500.19	11058.00	10449.69	9915.21
315.0	12612.77	12276.31	11974.25	11623.53	11230.01	10691.34	10231.53	9731.46	9037.56
360.0	12810.79	12538.94	12283.86	11966.70	11615.98	11125.97	10700.57	10246.64	9756.63

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	9101.32	8531.61	7955.17	7208.41	6613.52	5885.22	5365.01	4890.10	4371.57
45.0	9379.05	8784.16	8030.69	7416.50	6803.15	6053.03	5510.16	5017.64	4462.18
90.0	8259.75	7469.36	6850.98	6245.18	5680.49	5044.49	4594.75	4195.36	3845.48
135.0	8982.18	8330.23	7507.96	6851.82	6225.88	5651.97	5008.41	4553.64	4142.50
180.0	8211.92	7539.00	6877.83	6093.31	5519.39	5005.05	4545.25	4047.69	3694.45
225.0	8088.58	7249.53	6597.58	5993.46	5318.86	4837.24	4405.13	4024.20	3613.06
270.0	9336.26	8577.75	7968.60	7181.56	6556.47	5966.61	5311.31	4841.44	4423.59
315.0	8443.50	7844.42	7088.43	6492.70	5923.82	5287.81	4831.37	4420.23	4049.37
360.0	9101.32	8531.61	7955.17	7208.41	6613.52	5885.22	5365.01	4890.10	4371.57

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	3996.51	3659.21	3364.70	3045.86	2847.00	2677.51	2498.79	2268.05	2075.91
45.0	4072.86	3644.94	3353.79	3097.88	2894.83	2691.78	2518.09	2335.18	2147.23
90.0	3465.39	3193.53	2926.71	2754.70	2575.15	2346.08	2153.94	1663.09	1663.09
135.0	3780.03	3389.03	3125.57	2876.37	2724.50	2569.27	2355.31	2174.92	1992.00
180.0	3305.96	3071.03	2863.78	2664.09	2502.99	2336.02	2127.93	1950.89	1757.91
225.0	3328.62	3023.20	2841.13	2685.90	2474.46	2296.58	2121.22	1663.26	1663.26
270.0	4035.10	3639.91	3348.76	3081.94	2888.11	2677.51	2502.15	2306.65	2070.87
315.0	3640.75	3349.60	3088.65	2880.56	2662.41	2473.62	2287.35	2055.77	1632.05
360.0	3996.51	3659.21	3364.70	3045.86	2847.00	2677.51	2498.79	2268.05	2075.91

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1640.86	1640.86	1444.77	1245.66	1000.15	810.95	630.89	428.84	288.22
45.0	1957.60	1715.95	1513.74	1256.99	1058.97	871.02	649.51	485.90	448.14
90.0	1515.67	1321.43	1127.27	932.44	704.64	535.65	380.34	242.57	111.43
135.0	1801.54	1553.18	1344.25	1134.49	937.31	704.05	533.72	453.17	453.17
180.0	1552.34	1314.05	1105.12	897.03	713.28	495.97	454.01	454.01	75.68
225.0	1520.45	1323.19	1123.75	880.25	691.21	514.26	318.09	189.96	93.72
270.0	1897.19	1701.69	1471.79	1265.38	1069.04	834.11	639.44	460.73	422.97
315.0	1632.05	1435.79	1233.16	982.37	788.21	604.88	437.74	291.82	145.41
360.0	1640.86	1640.86	1444.77	1245.66	1000.15	810.95	630.89	428.84	288.22

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	168.23	81.14	44.22	37.42	31.97	27.10	23.24	22.07	21.06
45.0	278.57	83.15	44.97	37.09	31.05	26.35	23.33	22.07	20.98
90.0	54.45	39.52	33.81	28.78	24.92	23.58	22.57	21.56	20.81
135.0	101.19	52.69	41.20	33.23	27.69	24.25	22.91	21.98	20.98
180.0	44.13	37.09	30.12	24.75	22.40	21.14	20.39	19.80	19.30
225.0	42.04	35.41	30.63	25.09	22.40	21.23	20.47	19.72	19.13
270.0	249.28	70.98	43.21	36.00	30.12	26.09	23.33	22.32	21.48
315.0	70.06	43.88	37.17	30.71	26.26	23.58	22.07	21.23	20.47
360.0	168.23	81.14	44.22	37.42	31.97	27.10	23.24	22.07	21.06

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.31	19.72	19.05	18.54	18.12	17.79	17.45	17.20	16.95
45.0	20.22	19.63	18.96	18.54	18.04	17.62	17.37	17.12	16.78
90.0	20.14	19.63	18.96	18.54	18.21	17.87	17.45	17.20	17.03
135.0	20.31	19.72	19.30	18.71	18.29	18.04	17.62	17.37	17.12
180.0	18.71	18.21	17.87	17.54	17.20	16.95	16.70	16.53	16.36
225.0	18.63	18.21	17.79	17.45	17.20	16.87	16.70	16.45	16.28
270.0	20.64	20.05	19.55	18.96	18.54	18.21	17.87	17.45	17.20
315.0	19.89	19.47	18.96	18.54	18.21	17.87	17.54	17.28	17.12
360.0	20.31	19.72	19.05	18.54	18.12	17.79	17.45	17.20	16.95

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.78	16.53	16.36	16.19	16.11	15.94	15.77	15.61	15.52
45.0	16.61	16.45	16.28	16.11	15.94	15.86	15.69	15.52	15.35
90.0	16.78	16.53	16.36	16.19	16.03	15.86	15.69	15.61	15.44
135.0	16.87	16.70	16.53	16.36	16.19	16.03	15.94	15.77	15.61
180.0	16.19	16.03	15.94	15.77	15.61	15.52	15.35	15.27	15.10
225.0	16.11	16.03	15.77	15.69	15.52	15.44	15.27	15.19	15.10
270.0	16.95	16.78	16.61	16.36	16.28	16.03	15.86	15.69	15.61
315.0	16.95	16.70	16.53	16.45	16.28	16.11	15.94	15.77	15.69
360.0	16.78	16.53	16.36	16.19	16.11	15.94	15.77	15.61	15.52

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.35	15.27	15.10	15.02	14.94	14.85	14.77	14.68	14.60
45.0	15.27	15.19	15.10	14.94	14.85	14.68	14.68	14.52	14.52
90.0	15.35	15.19	15.02	15.02	14.85	14.77	14.60	14.60	14.52
135.0	15.52	15.44	15.27	15.19	15.10	15.02	14.85	14.77	14.77
180.0	15.02	14.94	14.77	14.68	14.68	14.52	14.43	14.35	14.35
225.0	14.94	14.85	14.77	14.68	14.52	14.43	14.35	14.26	14.26
270.0	15.52	15.35	15.19	15.10	14.94	14.85	14.77	14.60	14.52
315.0	15.52	15.35	15.27	15.19	15.02	14.94	14.77	14.77	14.68
360.0	15.35	15.27	15.10	15.02	14.94	14.85	14.77	14.68	14.60

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.52	14.43	14.43	14.43	14.35	14.26	14.26	14.18	14.18
45.0	14.43	14.35	14.35	14.26	14.18	14.18	14.10	14.10	13.93
90.0	14.43	14.35	14.35	14.35	14.26	14.18	14.18	14.01	13.93
135.0	14.60	14.52	14.52	14.52	14.43	14.43	14.35	14.35	14.18
180.0	14.35	14.26	14.26	14.18	14.18	14.10	14.01	14.01	14.01
225.0	14.18	14.18	14.18	14.10	14.01	14.01	14.01	13.93	13.93
270.0	14.43	14.35	14.35	14.26	14.26	14.18	14.18	14.10	14.01
315.0	14.60	14.52	14.43	14.43	14.35	14.35	14.35	14.26	14.18
360.0	14.52	14.43	14.43	14.43	14.35	14.26	14.26	14.18	14.18

Intensity data(cd)

C/γ(°)	90.0
0.0	14.10
45.0	13.84
90.0	13.93
135.0	14.18
180.0	14.01
225.0	13.93
270.0	14.01
315.0	14.18
360.0	14.10