



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CGB MD 5S UV FP 7SEL (3000K).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] BLC2101014E1-C-CP
[ISSUEDATE] 2021-1-13 17:58
[MANUFAC] LumenFocus, LLC.
[LUMCAT] CGB MD 5S UV FP 7SEL (3000K)
[_VOLTAGE] 277.0 V
[_CURRENT] 0.151 A
[_POWERFACTOR] 0.938
[TESTLAB] Belling Test Laboratory Co., LTD
[_TESTINST] GPM-3000
[_TESTDIST] 14.040 m [K=1.0000]
[_TESTTEMPERATURE] 25.1 'C

CHARACTERISTICS

Lumens Per Lamp	4981.2 (1 lamp)
Total Lamp Lumens	4981.2
Luminaire Lumens	4981
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	39.27
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.60
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.60
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.20 m
Luminous Width (90-270)	0.20 m
Luminous Height	0.03 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	39771	36351	35775
55	31249	28549	29656
65	19791	20665	18683
75	27729	16150	24448
85	22175	17254	19966

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	517.03	10.40	10.40
0-30	1169.76	23.50	23.50
0-40	2033.53	40.80	40.80
0-60	3733.43	75.00	75.00
0-80	4570.98	91.80	91.80
0-90	4784.04	96.00	96.00
10-90	4654.86	93.40	93.40
20-40	1516.5	30.40	30.40
20-50	2466.9	49.50	49.50
40-70	2166.02	43.50	43.50
60-80	837.55	16.80	16.80
70-80	371.44	7.50	7.50
80-90	213.05	4.30	4.30
90-110	116.37	2.30	2.30
90-120	156.23	3.10	3.10
90-130	177.93	3.60	3.60
90-150	193.70	3.90	3.90
90-180	197.16	4.00	4.00
110-180	80.79	1.60	1.60
0-180	4981.2	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.17
10-20	387.86
20-30	652.73
30-40	863.77
40-50	950.40
50-60	749.50
60-70	466.11
70-80	371.44
80-90	213.05
90-100	71.60
100-110	44.78
110-120	39.86
120-130	21.70
130-140	10.41
140-150	5.37
150-160	2.11
160-170	1.01
170-180	0.35

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	107	102	97	93	104	99	95	91	94	91	87	89	87	84	85	83	81	78
2	97	88	81	75	94	86	80	74	82	76	72	78	73	69	74	71	67	65
3	88	77	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	46
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	40
6	68	55	46	39	66	54	45	39	51	44	38	49	43	38	47	42	37	35
7	63	50	41	34	61	49	40	34	47	39	34	45	38	33	43	37	33	30
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	36	30	26	24
10	51	38	30	25	50	37	30	24	36	29	24	35	28	24	34	28	23	22

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UGR TABLE - CORRECTED

Reflectances

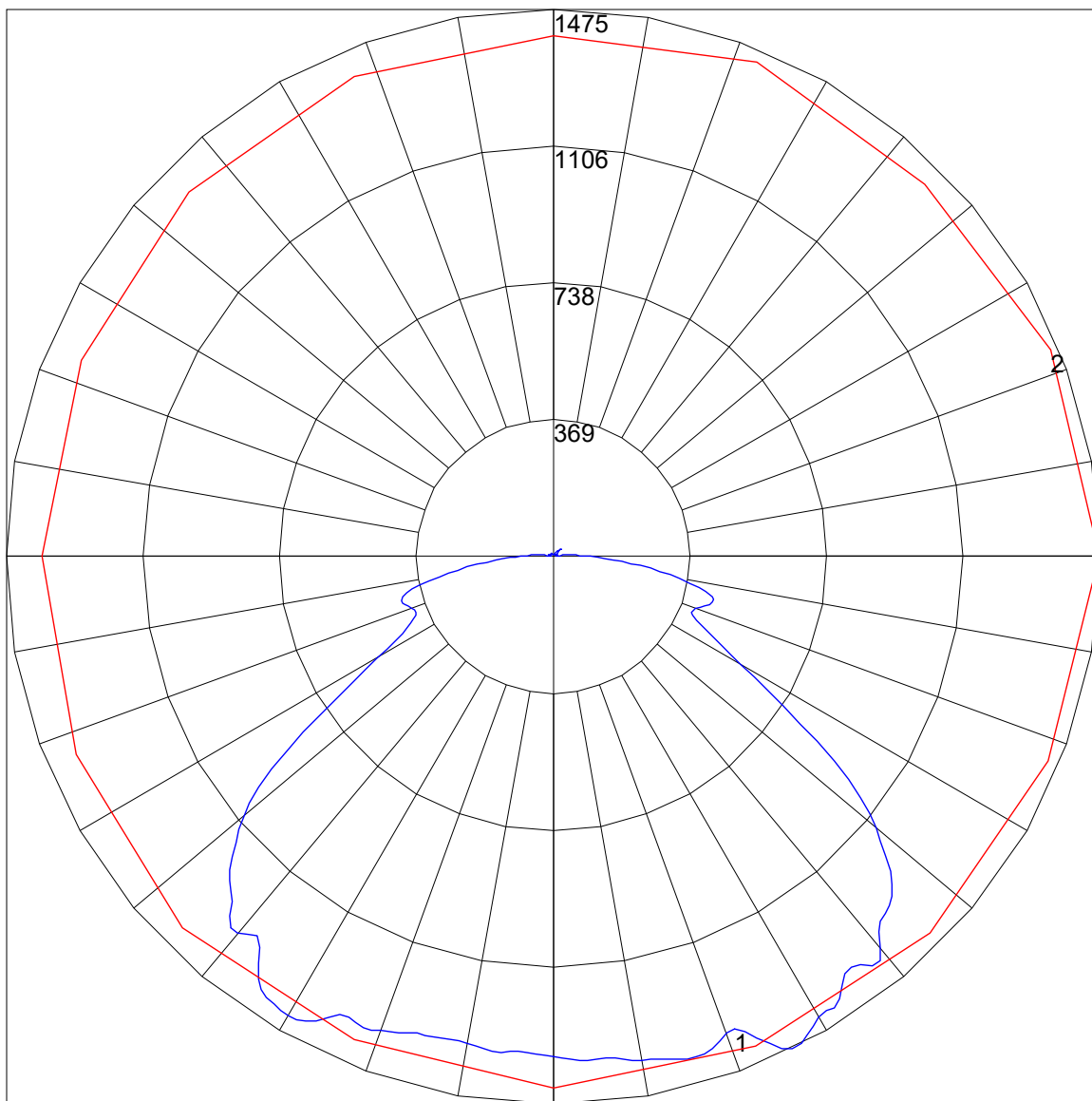
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H Y=2H		22.9	24.5	23.3	24.9	25.3	UGR Viewed Endwise				
	3H	24.3	25.7	24.7	26.1	26.5	22.5	24.1	23.0	24.5	24.9
	4H	25.4	26.7	25.8	27.1	27.6	23.8	25.3	24.3	25.7	26.1
	6H	26.5	27.7	26.9	28.2	28.6	24.8	26.2	25.3	26.6	27.1
	8H	26.9	28.1	27.3	28.5	29.0	25.9	27.2	26.4	27.6	28.1
	12H	27.2	28.3	27.7	28.8	29.3	26.4	27.6	26.8	28.0	28.5
							26.7	27.8	27.2	28.3	28.8
4H	2H	23.4	24.7	23.8	25.2	25.6	23.0	24.4	23.5	24.8	25.3
	3H	25.0	26.1	25.5	26.6	27.1	24.6	25.7	25.1	26.2	26.7
	4H	26.2	27.3	26.7	27.8	28.3	25.7	26.8	26.2	27.2	27.8
	6H	27.5	28.4	28.0	29.0	29.5	27.0	27.9	27.5	28.5	29.0
	8H	28.0	28.9	28.5	29.4	30.0	27.5	28.4	28.1	28.9	29.5
	12H	28.4	29.2	29.0	29.7	30.3	27.9	28.7	28.5	29.3	29.8
8H	4H	26.5	27.4	27.1	27.9	28.5	26.1	26.9	26.6	27.4	28.0
	6H	28.0	28.7	28.6	29.3	29.8	27.5	28.3	28.1	28.8	29.4
	8H	28.6	29.3	29.2	29.8	30.4	28.2	28.8	28.7	29.4	30.0
	12H	29.2	29.7	29.7	30.3	30.9	28.7	29.3	29.3	29.8	30.5
12H	4H	26.6	27.4	27.1	27.9	28.5	26.1	26.9	26.7	27.5	28.0
	6H	28.1	28.8	28.7	29.3	29.9	27.6	28.3	28.2	28.8	29.5
	8H	28.8	29.4	29.4	29.9	30.6	28.3	28.9	28.9	29.5	30.1

Maximum UGR = 30.9

POLAR GRAPH



Maximum Candela = 1475.02 Located At Horizontal Angle = 0, Vertical Angle = 26
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (26) (Through Max. Cd.)