



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] BLC2106032E-B-CP
[ISSUE DATE] 2021-6-22 17:52
[MANUFAC] LumenFocus, LLC.
[LUMCAT] CGB VH 5S UV FP 7SEL (3000K)
[_VOLTAGE] 277.0 V
[_CURRENT] 0.289 A
[_POWERFACTOR] 0.933
[_THD] 7.33
[TESTLAB] Belling Test Laboratory Co., LTD
[_TESTINST] GPM-3000
[_TESTDIST] 14.140 m [K=1.0000]
[_TESTTEMPERATURE] 25.2 'C

CHARACTERISTICS

Lumens Per Lamp	9075.7 (1 lamp)
Total Lamp Lumens	9075.7
Luminaire Lumens	9076
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	74.66
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.48
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.25 m
Luminous Width (90-270)	0.25 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	50659	50356	48476
55	43319	44562	42125
65	32040	35800	31954
75	41124	32582	39036
85	73125	61141	63677

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1022.62	11.30	11.30
0-30	2239.91	24.70	24.70
0-40	3856.02	42.50	42.50
0-60	6913.26	76.20	76.20
0-80	8409.53	92.70	92.70
0-90	8786.85	96.80	96.80
10-90	8528.69	94.00	94.00
20-40	2833.4	31.20	31.20
20-50	4516.71	49.80	49.80
40-70	3941.93	43.40	43.40
60-80	1496.27	16.50	16.50
70-80	611.58	6.70	6.70
80-90	377.32	4.20	4.20
90-110	188.44	2.10	2.10
90-120	236.65	2.60	2.60
90-130	262.40	2.90	2.90
90-150	282.16	3.10	3.10
90-180	288.87	3.20	3.20
110-180	100.43	1.10	1.10
0-180	9075.72	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	258.16
10-20	764.46
20-30	1217.29
30-40	1616.11
40-50	1683.31
50-60	1373.93
60-70	884.69
70-80	611.58
80-90	377.32
90-100	123.08
100-110	65.36
110-120	48.20
120-130	25.76
130-140	12.82
140-150	6.94
150-160	3.77
160-170	2.19
170-180	0.75

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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	104	104	104	99	99	99	97
1	107	102	98	93	104	100	95	92	95	91	88	90	87	85	86	84	82	79
2	97	89	82	76	95	87	80	75	83	77	73	79	74	70	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	41
6	69	56	46	40	67	54	46	40	52	45	39	50	44	38	48	42	38	36
7	64	50	41	35	62	49	41	35	47	40	34	46	39	34	44	38	34	31
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	40	34	30	28
9	55	42	34	28	54	41	33	28	40	33	28	38	32	27	37	31	27	25
10	52	39	31	25	50	38	30	25	37	30	25	36	29	25	34	29	24	23

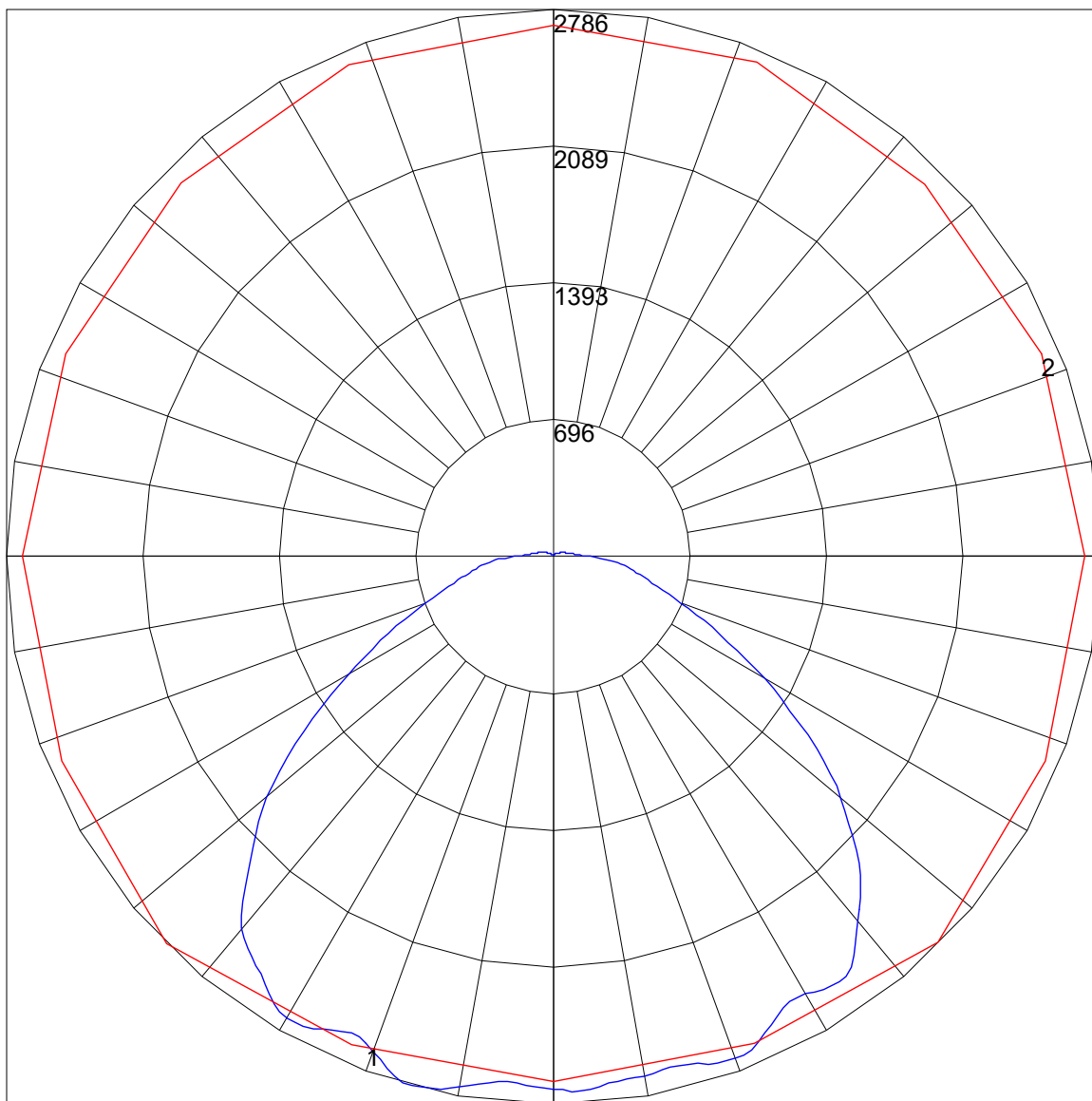
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UGR TABLE - CORRECTED

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					UGR Viewed Endwise				
X=2H	Y=2H	24.6	26.2	25.0	26.6	27.0	24.5	26.1	24.9	26.5	26.9
	3H	26.0	27.4	26.4	27.8	28.2	25.9	27.3	26.3	27.7	28.2
	4H	26.9	28.2	27.3	28.6	29.1	26.8	28.1	27.2	28.5	29.0
	6H	28.2	29.4	28.6	29.8	30.3	27.9	29.2	28.4	29.6	30.1
	8H	28.8	30.0	29.3	30.4	30.9	28.5	29.7	29.0	30.2	30.6
	12H	29.4	30.5	29.8	31.0	31.5	29.0	30.2	29.5	30.6	31.1
4H	2H	25.1	26.5	25.6	26.9	27.3	25.1	26.4	25.5	26.8	27.3
	3H	26.8	27.9	27.2	28.4	28.8	26.7	27.8	27.2	28.3	28.8
	4H	27.8	28.8	28.3	29.3	29.8	27.7	28.7	28.2	29.2	29.7
	6H	29.3	30.2	29.8	30.7	31.3	29.1	30.0	29.6	30.5	31.0
	8H	30.1	30.9	30.6	31.4	32.0	29.8	30.7	30.3	31.2	31.7
	12H	30.8	31.6	31.3	32.1	32.6	30.4	31.2	31.0	31.7	32.3
8H	4H	28.2	29.0	28.7	29.5	30.1	28.1	28.9	28.6	29.4	30.0
	6H	29.9	30.6	30.4	31.2	31.7	29.7	30.4	30.2	30.9	31.5
	8H	30.8	31.5	31.4	32.0	32.6	30.5	31.2	31.1	31.8	32.3
	12H	31.7	32.3	32.3	32.9	33.5	31.4	31.9	31.9	32.5	33.1
12H	4H	28.3	29.1	28.8	29.6	30.1	28.2	28.9	28.7	29.5	30.0
	6H	30.0	30.7	30.6	31.2	31.8	29.8	30.5	30.4	31.0	31.6
	8H	31.1	31.6	31.6	32.2	32.8	30.8	31.4	31.3	31.9	32.5

Maximum UGR = 33.5

POLAR GRAPH



Maximum Candela = 2785.73 Located At Horizontal Angle = 225, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (225 - 45) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)