



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] BLC2101014E-C-CP
[ISSUEDATE] 2021-1-13 15:08
[MANUFAC] LumenFocus, LLC.
[LUMCAT] PGB MD 5 UV FP 7SEL (3000K)
[_VOLTAGE] 277.0 V
[_CURRENT] 0.151 A
[_POWERFACTOR] 0.939
[TESTLAB] Belling Test Laboratory Co., LTD
[_TESTINST] GPM-3000
[_TESTDIST] 14.040 m [K=1.0000]
[_TESTTEMPERATURE] 25.3 'C

CHARACTERISTICS

Lumens Per Lamp	4946.4 (1 lamp)
Total Lamp Lumens	4946.4
Luminaire Lumens	4946
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	39.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.60
Spacing Criterion (90-270)	1.62
Spacing Criterion (Diagonal)	1.90
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	29297	27567	30342
55	35061	32407	35220
65	39146	35711	37726
75	41088	33338	37686
85	27420	26302	22668

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	333.07	6.70	6.70
0-30	752.56	15.20	15.20
0-40	1347.67	27.20	27.20
0-60	3007.17	60.80	60.80
0-80	4491.98	90.80	90.80
0-90	4760.95	96.30	96.30
10-90	4677.35	94.60	94.60
20-40	1014.6	20.50	20.50
20-50	1788.94	36.20	36.20
40-70	2509.83	50.70	50.70
60-80	1484.8	30.00	30.00
70-80	634.48	12.80	12.80
80-90	268.97	5.40	5.40
90-110	118.57	2.40	2.40
90-120	153.97	3.10	3.10
90-130	171.19	3.50	3.50
90-150	182.87	3.70	3.70
90-180	185.46	3.70	3.70
110-180	66.89	1.40	1.40
0-180	4946.4	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.59
10-20	249.48
20-30	419.48
30-40	595.11
40-50	774.34
50-60	885.16
60-70	850.33
70-80	634.48
80-90	268.97
90-100	71.48
100-110	47.09
110-120	35.41
120-130	17.22
130-140	7.42
140-150	4.25
150-160	1.65
160-170	0.70
170-180	0.24

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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	96
1	105	98	93	88	101	96	91	86	91	86	83	86	83	79	82	79	76	74
2	93	83	74	67	90	81	73	66	76	70	64	72	67	62	69	64	60	57
3	83	71	61	53	80	69	60	53	65	57	51	62	55	50	59	53	48	46
4	75	61	51	43	72	60	50	43	57	48	42	54	46	41	51	45	40	37
5	69	54	44	36	66	52	43	36	50	41	35	47	40	34	45	38	33	31
6	63	48	38	30	60	47	37	30	44	36	30	42	35	29	40	33	28	26
7	58	43	33	26	56	42	33	26	40	31	25	38	30	25	36	30	24	22
8	53	39	29	23	52	38	29	23	36	28	22	34	27	22	33	26	21	19
9	50	35	26	20	48	34	26	20	33	25	20	31	24	19	30	24	19	17
10	46	32	24	18	45	32	23	18	30	23	18	29	22	17	28	22	17	15

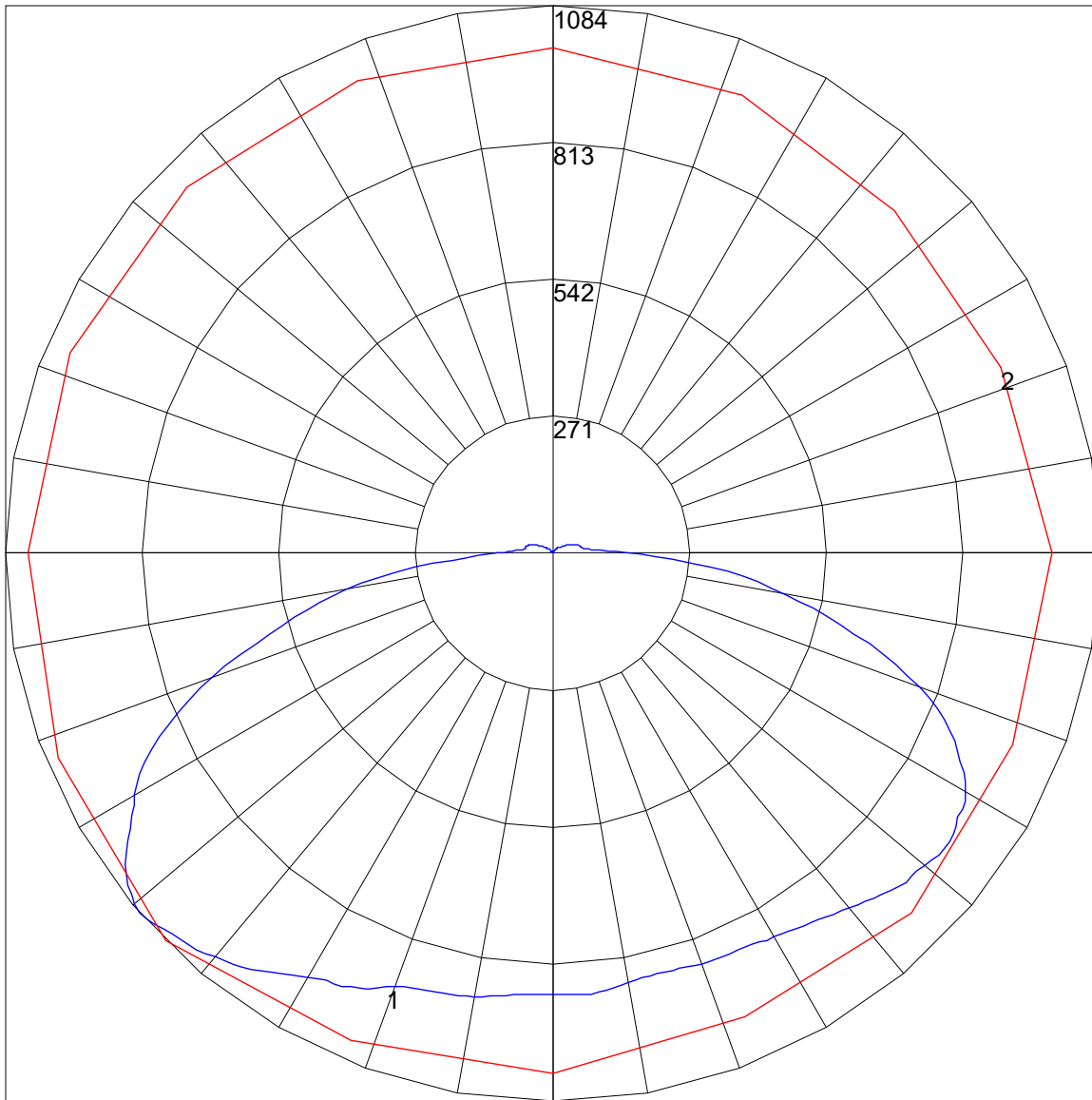
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UGR TABLE - CORRECTED

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	24.7	26.5	25.2	26.9	27.3	24.7	26.4	25.1	26.8	27.2
	3H	27.4	29.0	27.8	29.4	29.9	27.2	28.8	27.6	29.2	29.6
	4H	28.5	30.0	29.0	30.5	30.9	28.2	29.7	28.7	30.1	30.6
	6H	29.4	30.9	29.9	31.3	31.8	29.0	30.5	29.5	30.9	31.4
	8H	29.7	31.1	30.2	31.6	32.1	29.3	30.7	29.8	31.1	31.6
	12H	30.0	31.3	30.4	31.7	32.2	29.5	30.8	30.0	31.3	31.8
4H	2H	25.6	27.1	26.0	27.5	28.0	25.5	27.0	26.0	27.5	27.9
	3H	28.4	29.7	28.9	30.2	30.7	28.2	29.5	28.6	30.0	30.4
	4H	29.7	30.9	30.2	31.3	31.9	29.3	30.5	29.8	31.0	31.5
	6H	30.7	31.8	31.2	32.3	32.8	30.3	31.4	30.8	31.9	32.4
	8H	31.1	32.1	31.6	32.6	33.1	30.6	31.6	31.1	32.2	32.7
	12H	31.4	32.3	31.9	32.8	33.4	30.9	31.8	31.4	32.3	32.9
8H	4H	30.1	31.1	30.6	31.6	32.1	29.7	30.8	30.3	31.3	31.8
	6H	31.3	32.1	31.8	32.7	33.2	30.9	31.7	31.4	32.3	32.8
	8H	31.8	32.5	32.3	33.1	33.6	31.3	32.1	31.9	32.6	33.2
	12H	32.1	32.8	32.7	33.4	34.0	31.6	32.3	32.2	32.9	33.5
12H	4H	30.2	31.1	30.7	31.6	32.2	29.8	30.7	30.4	31.3	31.8
	6H	31.4	32.2	32.0	32.7	33.3	31.0	31.8	31.6	32.3	32.9
	8H	31.9	32.6	32.5	33.2	33.8	31.5	32.2	32.1	32.7	33.4

Maximum UGR = 34.0

POLAR GRAPH



Maximum Candela = 1084.27 Located At Horizontal Angle = 225, Vertical Angle = 49
1 - Vertical Plane Through Horizontal Angles (225 - 45) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (49) (Through Max. Cd.)