



## IES INDOOR REPORT

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

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995  
[TEST] BLC2106032E-A-CP  
[ISSUE DATE] 2021-6-22 15:12  
[MANUFAC] LumenFocus, LLC.  
[LUMCAT] PGB VH 5 UV FP 7SEL (3000K)  
[VOLTAGE] 277.0 V  
[CURRENT] 0.289 A  
[POWERFACTOR] 0.934  
[THD] 7.31  
[TESTLAB] Belling Test Laboratory Co., LTD  
[TESTINST] GPM-3000  
[TESTDIST] 14.140 m [K=1.0000]  
[TESTTEMPERATURE] 25.0 °C

### CHARACTERISTICS

Lumens Per Lamp	9182.9 (1 lamp)
Total Lamp Lumens	9182.9
Luminaire Lumens	9183
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	74.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.52
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.74
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	41764	40067	40373
55	48739	47978	47603
65	55845	57304	54982
75	72798	69532	71128
85	86809	103189	79687

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	688.63	7.50	7.50
0-30	1522.12	16.60	16.60
0-40	2659.08	29.00	29.00
0-60	5633.44	61.30	61.30
0-80	8296.29	90.30	90.30
0-90	8851.33	96.40	96.40
10-90	8676.25	94.50	94.50
20-40	1970.45	21.50	21.50
20-50	3383.48	36.80	36.80
40-70	4450.63	48.50	48.50
60-80	2662.86	29.00	29.00
70-80	1186.58	12.90	12.90
80-90	555.04	6.00	6.00
90-110	223.07	2.40	2.40
90-120	279.15	3.00	3.00
90-130	307.83	3.40	3.40
90-150	326.92	3.60	3.60
90-180	331.57	3.60	3.60
110-180	108.49	1.20	1.20
0-180	9182.9	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	175.08
10-20	513.55
20-30	833.49
30-40	1136.96
40-50	1413.03
50-60	1561.32
60-70	1476.28
70-80	1186.58
80-90	555.04
90-100	132.95
100-110	90.13
110-120	56.08
120-130	28.68
130-140	13.09
140-150	6.00
150-160	2.66
160-170	1.48
170-180	0.51

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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	82	79	82	79	76	74
2	93	83	75	68	90	81	73	67	76	70	64	72	67	62	69	64	60	58
3	84	71	61	54	81	69	60	53	66	58	52	62	56	50	59	53	49	46
4	76	62	52	44	73	60	51	43	57	49	42	54	47	41	51	45	40	38
5	69	54	44	37	66	53	44	36	50	42	36	48	41	35	46	39	34	32
6	63	48	38	31	61	47	38	31	45	37	30	43	35	30	41	34	29	27
7	58	43	34	27	56	42	33	27	40	32	26	39	31	26	37	30	25	23
8	54	39	30	24	52	38	30	24	37	29	23	35	28	23	34	27	22	20
9	50	36	27	21	49	35	27	21	34	26	21	32	25	20	31	25	20	18
10	47	33	24	19	46	32	24	19	31	24	18	30	23	18	29	22	18	16

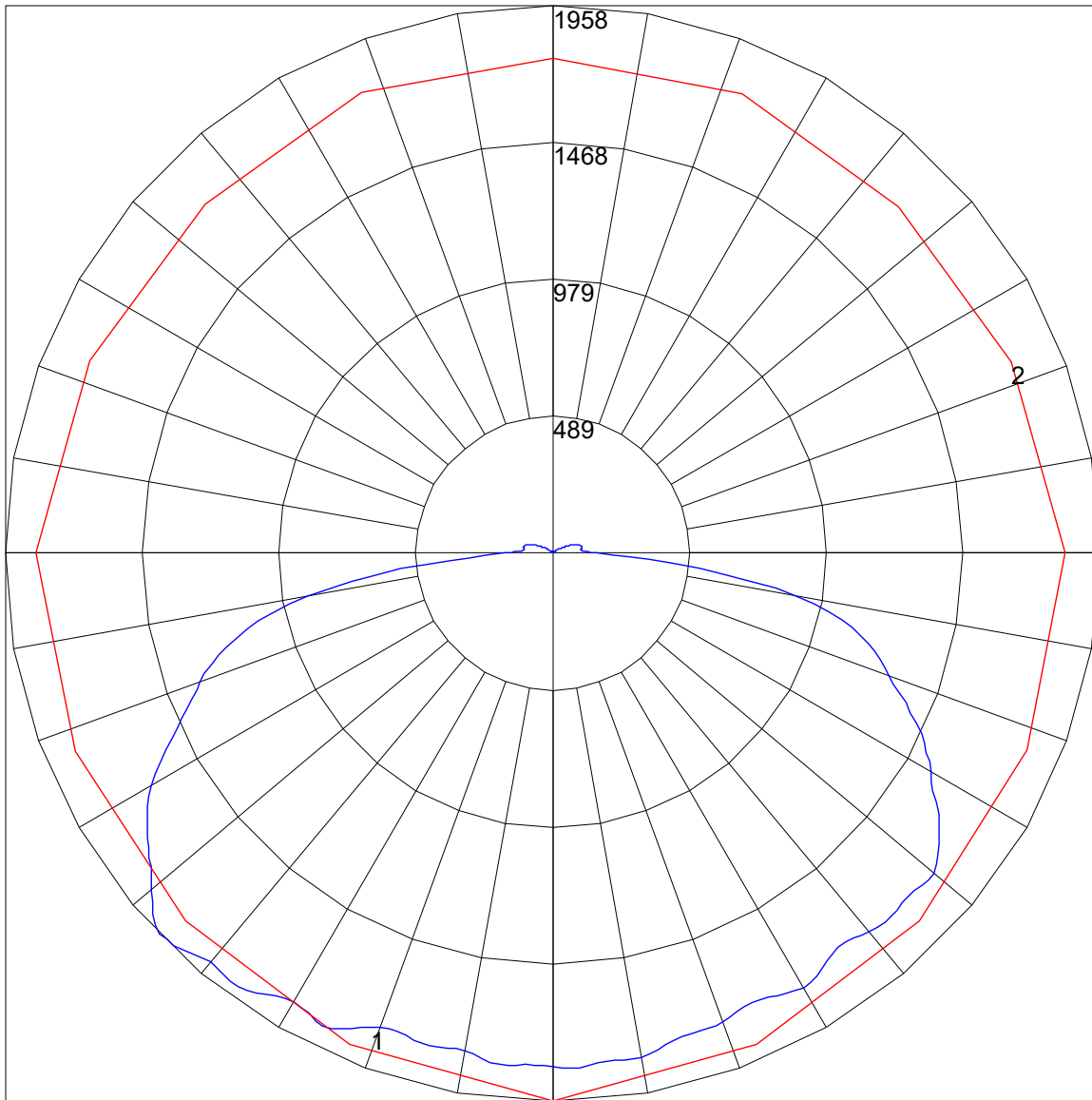
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**UGR TABLE - CORRECTED**

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	25.9	27.6	26.3	28.0	28.4	25.7	27.4	26.1	27.8	28.2
	3H	28.5	30.1	29.0	30.5	31.0	28.4	30.0	28.8	30.4	30.8
	4H	29.9	31.4	30.3	31.8	32.3	29.7	31.2	30.2	31.7	32.1
	6H	31.1	32.5	31.6	33.0	33.5	31.0	32.4	31.5	32.8	33.3
	8H	31.6	33.0	32.1	33.4	33.9	31.5	32.8	32.0	33.3	33.8
	12H	32.0	33.3	32.5	33.7	34.3	31.8	33.1	32.3	33.6	34.1
4H	2H	26.8	28.3	27.2	28.7	29.2	26.6	28.1	27.1	28.6	29.0
	3H	29.7	31.0	30.2	31.5	32.0	29.6	30.9	30.1	31.4	31.8
	4H	31.2	32.4	31.7	32.9	33.4	31.1	32.3	31.6	32.7	33.3
	6H	32.6	33.7	33.1	34.2	34.7	32.5	33.6	33.0	34.1	34.6
	8H	33.2	34.2	33.7	34.7	35.2	33.1	34.1	33.6	34.6	35.1
	12H	33.6	34.5	34.1	35.1	35.6	33.5	34.4	34.0	34.9	35.5
8H	4H	31.8	32.8	32.3	33.3	33.8	31.7	32.7	32.2	33.2	33.7
	6H	33.4	34.2	33.9	34.8	35.3	33.3	34.1	33.8	34.7	35.2
	8H	34.1	34.8	34.6	35.4	36.0	34.0	34.7	34.5	35.3	35.9
	12H	34.7	35.3	35.2	35.9	36.5	34.6	35.2	35.1	35.8	36.4
12H	4H	31.9	32.8	32.4	33.3	33.9	31.8	32.7	32.3	33.2	33.8
	6H	33.5	34.3	34.1	34.8	35.5	33.5	34.2	34.0	34.8	35.4
	8H	34.3	35.0	34.9	35.6	36.2	34.3	34.9	34.8	35.5	36.1

Maximum UGR = 36.5

POLAR GRAPH



Maximum Candela = 1957.82 Located At Horizontal Angle = 270, Vertical Angle = 46  
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (46) (Through Max. Cd.)