



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL G2 2W HI UV 850.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001249-003(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 3/18/2020

[MANUFAC] Lumen Focus, LLC

[LUMCAT] PBL G2 2W HI UV 850

[LUMINAIRE] Surface/pendant mounted, formed white enamel aluminum housing/reflectors,

[MORE] no enclosure.

[LAMP] 336 white LEDs, three 20103 5000K 3437A1 LED boards with 112 LEDs

[MORE] each.

[BALLAST] Two ULT Everline D28CC95UVP12-F LED drivers each programmed at 2150 mA

[OTHER] 120.0Vac, 60.00Hz

[OTHER] This test was performed using the absolute method of photometry.

[MORE] Lamp lumens value was set to -1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17876
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	172
Total Luminaire Watts	103.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	1.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	26034	25844	25839
55	25271	25260	25397
65	22990	23719	24401
75	18580	20910	17706
85	7484	7221	8274

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2233.42	N.A.	12.50
0-30	4771.27	N.A.	26.70
0-40	7877.96	N.A.	44.10
0-60	14161.65	N.A.	79.20
0-80	17660.09	N.A.	98.80
0-90	17872.84	N.A.	100.00
10-90	17297.00	N.A.	96.80
20-40	5644.54	N.A.	31.60
20-50	8924.11	N.A.	49.90
40-70	8584.59	N.A.	48.00
60-80	3498.44	N.A.	19.60
70-80	1197.54	N.A.	6.70
80-90	212.75	N.A.	1.20
90-110	2.99	N.A.	0.00
90-120	2.99	N.A.	0.00
90-130	2.99	N.A.	0.00
90-150	2.99	N.A.	0.00
90-180	2.99	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	17875.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	575.83
10-20	1657.59
20-30	2537.85
30-40	3106.69
40-50	3279.57
50-60	3004.12
60-70	2300.9
70-80	1197.54
80-90	212.75
90-100	2.85
100-110	0.14
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

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	61	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

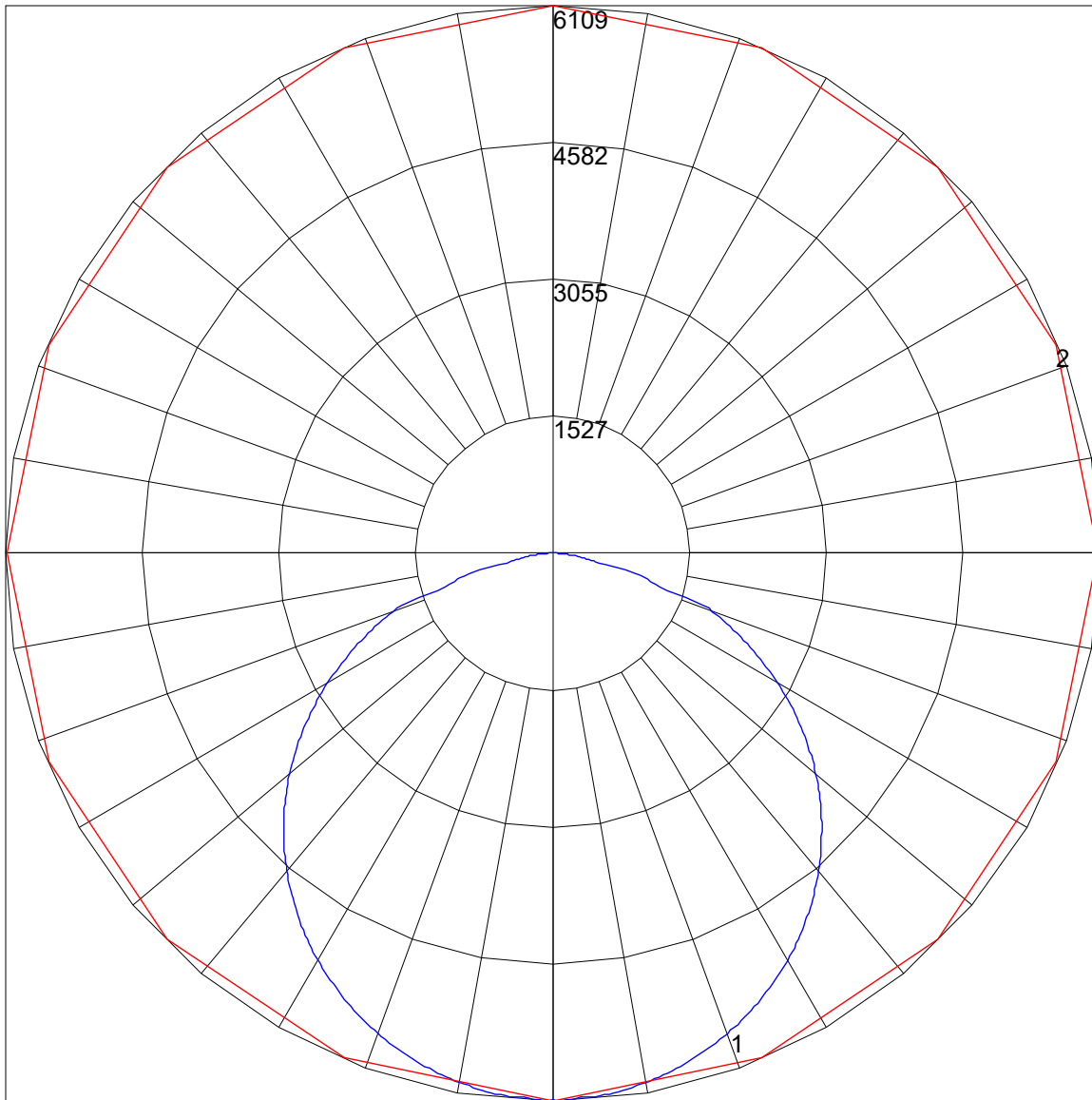
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UGR TABLE - CORRECTED

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	23.4	25.1	23.8	25.4	25.7	23.6	25.2	23.9	25.5	25.8
	3H	25.1	26.6	25.5	27.0	27.3	25.5	27.0	25.9	27.3	27.7
	4H	25.7	27.1	26.1	27.5	27.9	26.0	27.4	26.4	27.7	28.1
	6H	26.1	27.4	26.5	27.8	28.1	26.1	27.4	26.5	27.8	28.2
	8H	26.2	27.4	26.6	27.8	28.2	26.2	27.4	26.6	27.8	28.2
	12H	26.2	27.4	26.6	27.8	28.2	26.2	27.4	26.6	27.8	28.2
4H	2H	24.1	25.5	24.5	25.8	26.2	24.2	25.6	24.6	26.0	26.3
	3H	26.0	27.2	26.4	27.6	28.0	26.4	27.6	26.8	28.0	28.4
	4H	26.7	27.8	27.2	28.2	28.6	26.9	28.0	27.4	28.4	28.8
	6H	27.2	28.1	27.6	28.6	29.0	27.2	28.1	27.6	28.6	29.0
	8H	27.3	28.2	27.8	28.6	29.1	27.2	28.1	27.7	28.5	29.0
	12H	27.3	28.1	27.8	28.6	29.1	27.3	28.0	27.7	28.5	29.0
8H	4H	27.0	27.9	27.5	28.3	28.8	27.2	28.1	27.6	28.5	29.0
	6H	27.6	28.3	28.1	28.8	29.3	27.5	28.2	28.0	28.7	29.2
	8H	27.7	28.4	28.3	28.9	29.4	27.6	28.2	28.1	28.7	29.2
	12H	27.8	28.4	28.3	28.9	29.4	27.6	28.2	28.1	28.7	29.3
12H	4H	27.0	27.8	27.5	28.3	28.7	27.2	28.0	27.7	28.5	28.9
	6H	27.6	28.2	28.1	28.7	29.2	27.5	28.2	28.0	28.6	29.2
	8H	27.8	28.4	28.3	28.8	29.4	27.6	28.2	28.1	28.7	29.2

Maximum UGR = 29.4

POLAR GRAPH



Maximum Candela = 6109.265 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)