



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL G2 2W HI UV 835.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001249-003

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 3/18/2020

[MANUFAC] Lumen Focus, LLC

[LUMCAT] PBL G2 2W HI UV 835

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

[MORE] no enclosure.

[LAMP] 336 white LEDs, three 20103 3500K 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	17257
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	166
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	25133	24950	24945
55	24397	24386	24518
65	22194	22898	23557
75	17937	20186	17093
85	7225	6971	7988

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2156.14	N.A.	12.50
0-30	4606.18	N.A.	26.70
0-40	7605.38	N.A.	44.10
0-60	13671.66	N.A.	79.20
0-80	17049.05	N.A.	98.80
0-90	17254.44	N.A.	100.00
10-90	16698.53	N.A.	96.80
20-40	5449.23	N.A.	31.60
20-50	8615.33	N.A.	49.90
40-70	8287.56	N.A.	48.00
60-80	3377.39	N.A.	19.60
70-80	1156.11	N.A.	6.70
80-90	205.39	N.A.	1.20
90-110	2.89	N.A.	0.00
90-120	2.89	N.A.	0.00
90-130	2.89	N.A.	0.00
90-150	2.89	N.A.	0.00
90-180	2.89	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	17257.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	555.91
10-20	1600.23
20-30	2450.04
30-40	2999.2
40-50	3166.1
50-60	2900.18
60-70	2221.29
70-80	1156.11
80-90	205.39
90-100	2.75
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

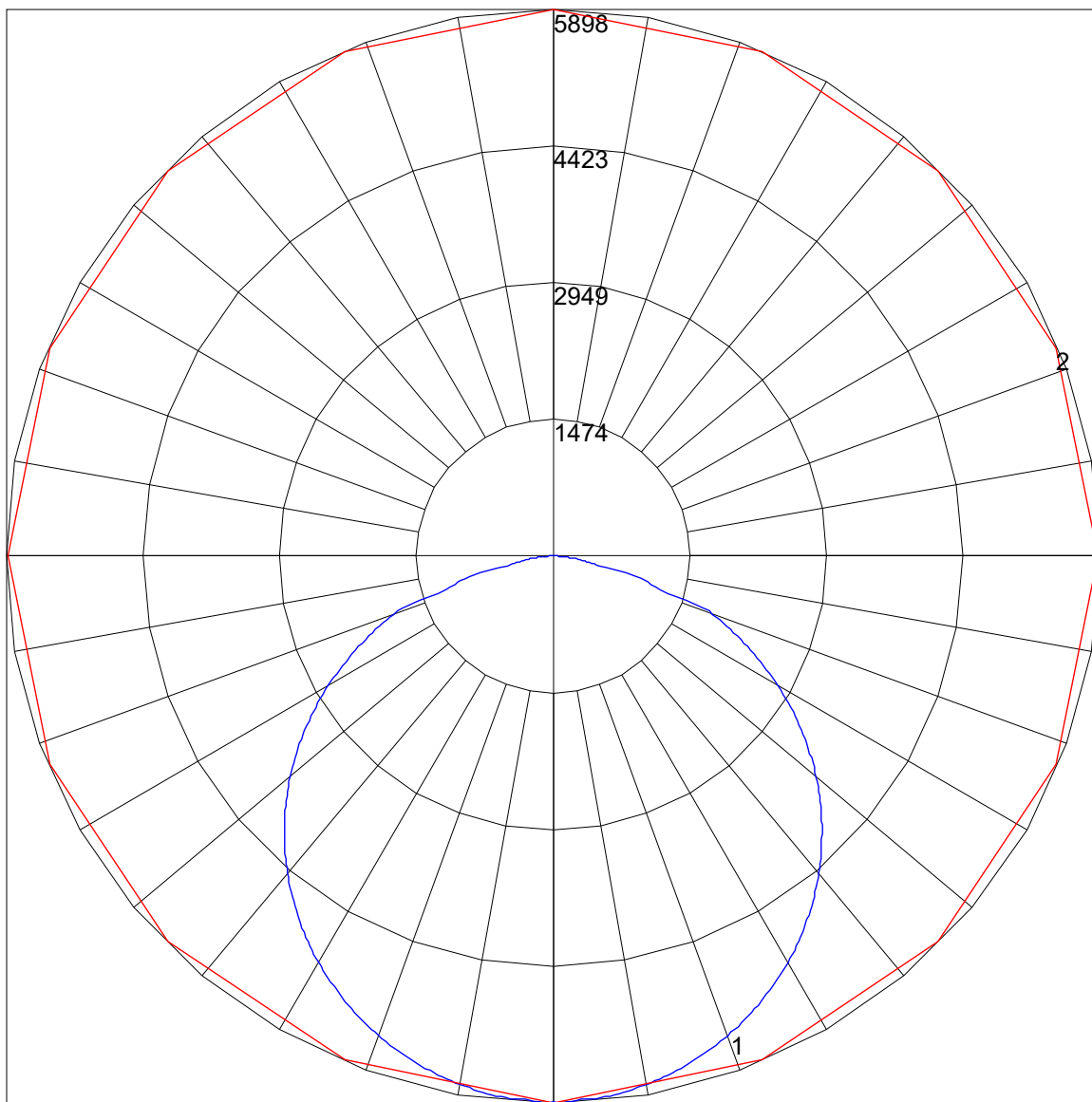
Reflectances

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	23.3	25.0	23.7	25.3	25.6	23.5	25.1	23.8	25.4	25.7
	3H	25.0	26.5	25.4	26.9	27.2	25.4	26.9	25.8	27.2	27.6
	4H	25.6	27.0	26.0	27.4	27.8	25.9	27.3	26.3	27.6	28.0
	6H	26.0	27.3	26.4	27.7	28.0	26.0	27.3	26.4	27.7	28.1
	8H	26.1	27.3	26.5	27.7	28.1	26.1	27.3	26.5	27.7	28.1
	12H	26.1	27.3	26.5	27.7	28.1	26.1	27.3	26.5	27.7	28.1
4H	2H	24.0	25.4	24.4	25.7	26.1	24.1	25.5	24.5	25.9	26.2
	3H	25.9	27.1	26.3	27.5	27.9	26.3	27.5	26.7	27.9	28.3
	4H	26.6	27.7	27.1	28.1	28.5	26.8	27.9	27.3	28.3	28.7
	6H	27.1	28.0	27.5	28.5	28.9	27.1	28.0	27.5	28.5	28.9
	8H	27.2	28.1	27.7	28.5	29.0	27.1	28.0	27.6	28.4	28.9
	12H	27.2	28.0	27.7	28.5	29.0	27.2	27.9	27.6	28.4	28.9
8H	4H	26.9	27.8	27.4	28.2	28.7	27.1	28.0	27.5	28.4	28.9
	6H	27.5	28.2	28.0	28.7	29.2	27.4	28.1	27.9	28.6	29.1
	8H	27.6	28.3	28.2	28.8	29.3	27.5	28.1	28.0	28.6	29.1
	12H	27.7	28.3	28.2	28.8	29.3	27.5	28.1	28.0	28.6	29.2
12H	4H	26.9	27.7	27.4	28.2	28.6	27.1	27.9	27.6	28.4	28.8
	6H	27.5	28.1	28.0	28.6	29.1	27.4	28.1	27.9	28.5	29.1
	8H	27.7	28.3	28.2	28.7	29.3	27.5	28.1	28.0	28.6	29.1

Maximum UGR = 29.3

POLAR GRAPH



Maximum Candela = 5897.885 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.)