



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL G2 4W HI HE UV 835.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001249-018(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 3/24/2020

[MANUFAC] Lumen Focus, LLC

[LUMCAT] PBL G2 4W HI HE UV 835

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

[MORE] no enclosure.

[LAMP] 896 white LEDs, eight 20103 3500K 3437A1 LED boards with 112 LEDs each.

[BALLAST] Four ULT Everline D15CC55UNVPW-C LED drivers each programmed to 1200mA

[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	38923
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	166
Total Luminaire Watts	234.5
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)	3.79 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	29837	29543	29690
55	29026	28887	29226
65	27027	27362	28262
75	22707	25101	19355
85	11602	7769	8556

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PBL G2 4W HI HE UV 835.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4857.94	N.A.	12.50
0-30	10375.99	N.A.	26.70
0-40	17126.59	N.A.	44.00
0-60	30775.39	N.A.	79.10
0-80	38456.48	N.A.	98.80
0-90	38917.8	N.A.	100.00
10-90	37664.87	N.A.	96.80
20-40	12268.64	N.A.	31.50
20-50	19386.09	N.A.	49.80
40-70	18704.88	N.A.	48.10
60-80	7681.09	N.A.	19.70
70-80	2625.01	N.A.	6.70
80-90	461.32	N.A.	1.20
90-110	4.79	N.A.	0.00
90-120	4.79	N.A.	0.00
90-130	4.79	N.A.	0.00
90-150	4.79	N.A.	0.00
90-180	4.79	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	38922.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1252.93
10-20	3605.01
20-30	5518.04
30-40	6750.6
40-50	7117.45
50-60	6531.36
60-70	5056.08
70-80	2625.01
80-90	461.32
90-100	4.77
100-110	0.02
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PBL G2 4W HI HE UV 835.IES

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	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	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	53	64	58	53	62	56	52	50
5	76	63	54	47	73	61	53	47	59	52	46	57	51	46	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PBL G2 4W HI HE UV 835.IES

UGR TABLE - CORRECTED

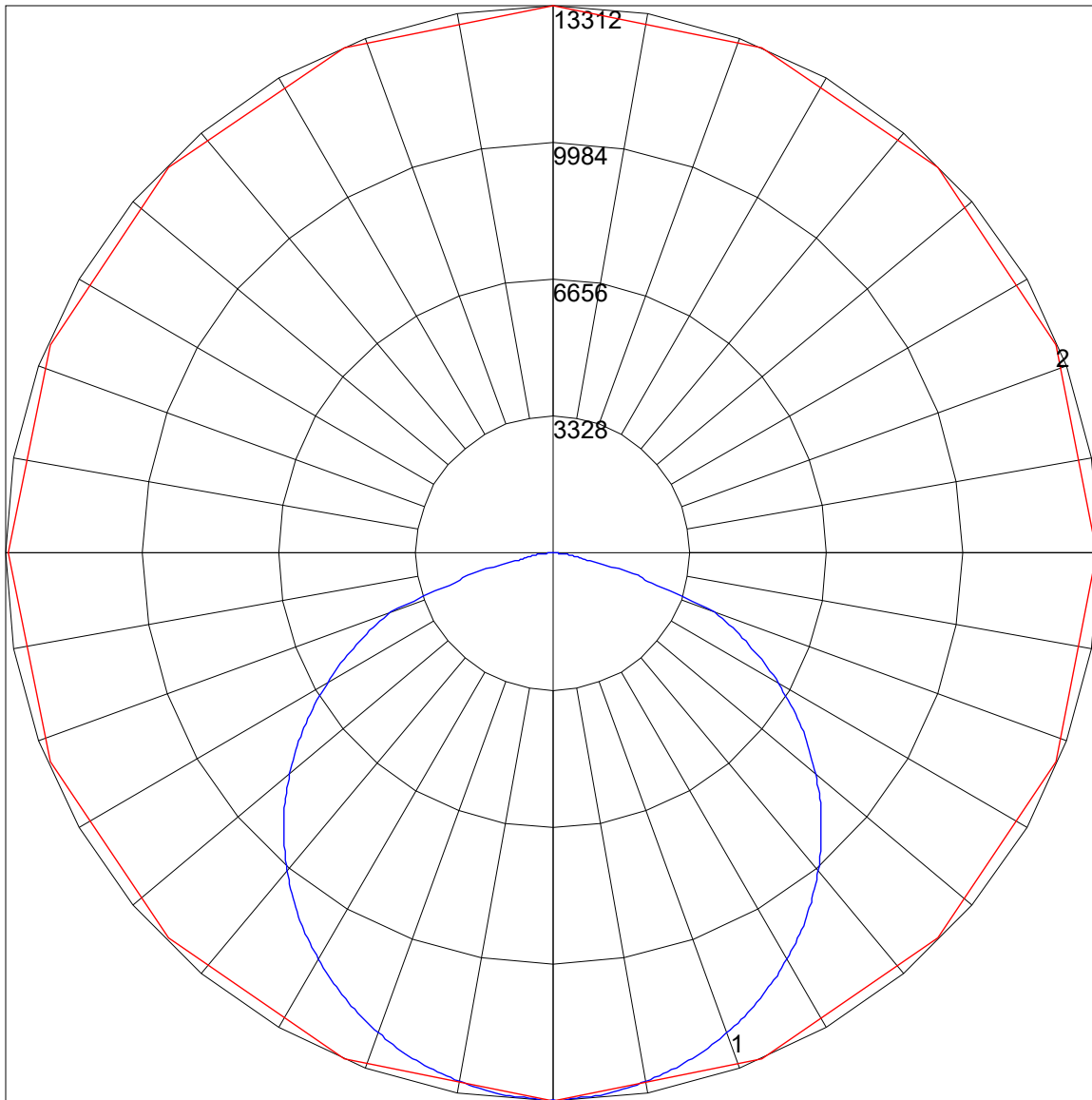
Reflectances

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	23.9	25.5	24.2	25.8	26.1	24.1	25.7	24.4	26.0	26.3
	3H	25.7	27.2	26.1	27.5	27.9	26.0	27.5	26.4	27.9	28.2
	4H	26.3	27.7	26.7	28.1	28.4	26.4	27.8	26.8	28.2	28.6
	6H	26.7	28.0	27.1	28.4	28.8	26.5	27.9	27.0	28.2	28.6
	8H	26.9	28.1	27.3	28.5	28.9	26.6	27.8	27.0	28.2	28.6
	12H	26.9	28.1	27.3	28.5	28.9	26.6	27.8	27.0	28.1	28.6
4H	2H	24.5	25.9	24.9	26.3	26.7	24.7	26.1	25.1	26.4	26.8
	3H	26.6	27.7	27.0	28.1	28.5	26.9	28.1	27.3	28.5	28.9
	4H	27.3	28.4	27.8	28.8	29.2	27.4	28.5	27.8	28.9	29.3
	6H	27.9	28.8	28.3	29.2	29.7	27.6	28.5	28.0	28.9	29.4
	8H	28.0	28.9	28.5	29.3	29.8	27.6	28.5	28.0	28.9	29.4
	12H	28.1	28.9	28.6	29.3	29.8	27.6	28.4	28.1	28.9	29.3
8H	4H	27.6	28.5	28.1	28.9	29.4	27.7	28.5	28.1	29.0	29.4
	6H	28.3	29.0	28.7	29.5	29.9	27.9	28.6	28.4	29.1	29.6
	8H	28.5	29.1	29.0	29.6	30.1	27.9	28.6	28.4	29.1	29.6
	12H	28.6	29.1	29.1	29.6	30.2	28.0	28.5	28.5	29.0	29.6
12H	4H	27.6	28.4	28.1	28.9	29.3	27.7	28.5	28.2	28.9	29.4
	6H	28.3	28.9	28.8	29.4	29.9	27.9	28.6	28.4	29.0	29.6
	8H	28.5	29.1	29.0	29.6	30.1	28.0	28.5	28.5	29.0	29.6

Maximum UGR = 30.2

POLAR GRAPH



Maximum Candela = 13311.88 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.)