



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL V2 2 LW UV FR 850.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001687-002

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 4/7/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] PBL V2 2 LW UV FR 850

[LUMINAIRE] High Bay mounted, formed white painted aluminum housing/reflector,

[MORE] two curved translucent plastic enclosures.

[LAMP] 168 white LEDs, two ULT M900C850D84N2Q LED boards

[BALLAST] One ULT D15CC55UNVPW-C LED driver labeled at 1240mA

[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	8589
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	54.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	0.92 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15821	16907	17592
55	13788	16320	17494
65	11270	15648	17008
75	8532	13719	9369
85	5284	9078	7904

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1127.31	N.A.	13.10
0-30	2390.01	N.A.	27.80
0-40	3906.77	N.A.	45.50
0-60	6862.22	N.A.	79.90
0-80	8450.78	N.A.	98.40
0-90	8588.25	N.A.	100.00
10-90	8295.97	N.A.	96.60
20-40	2779.46	N.A.	32.40
20-50	4340.66	N.A.	50.50
40-70	4010.55	N.A.	46.70
60-80	1588.56	N.A.	18.50
70-80	533.47	N.A.	6.20
80-90	137.47	N.A.	1.60
90-110	1.18	N.A.	0.00
90-120	1.18	N.A.	0.00
90-130	1.18	N.A.	0.00
90-150	1.18	N.A.	0.00
90-180	1.18	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	8589.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	292.28
10-20	835.02
20-30	1262.7
30-40	1516.76
40-50	1561.2
50-60	1394.25
60-70	1055.1
70-80	533.47
80-90	137.47
90-100	1.18
100-110	0.00
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	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	51
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

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**UGR TABLE - CORRECTED**

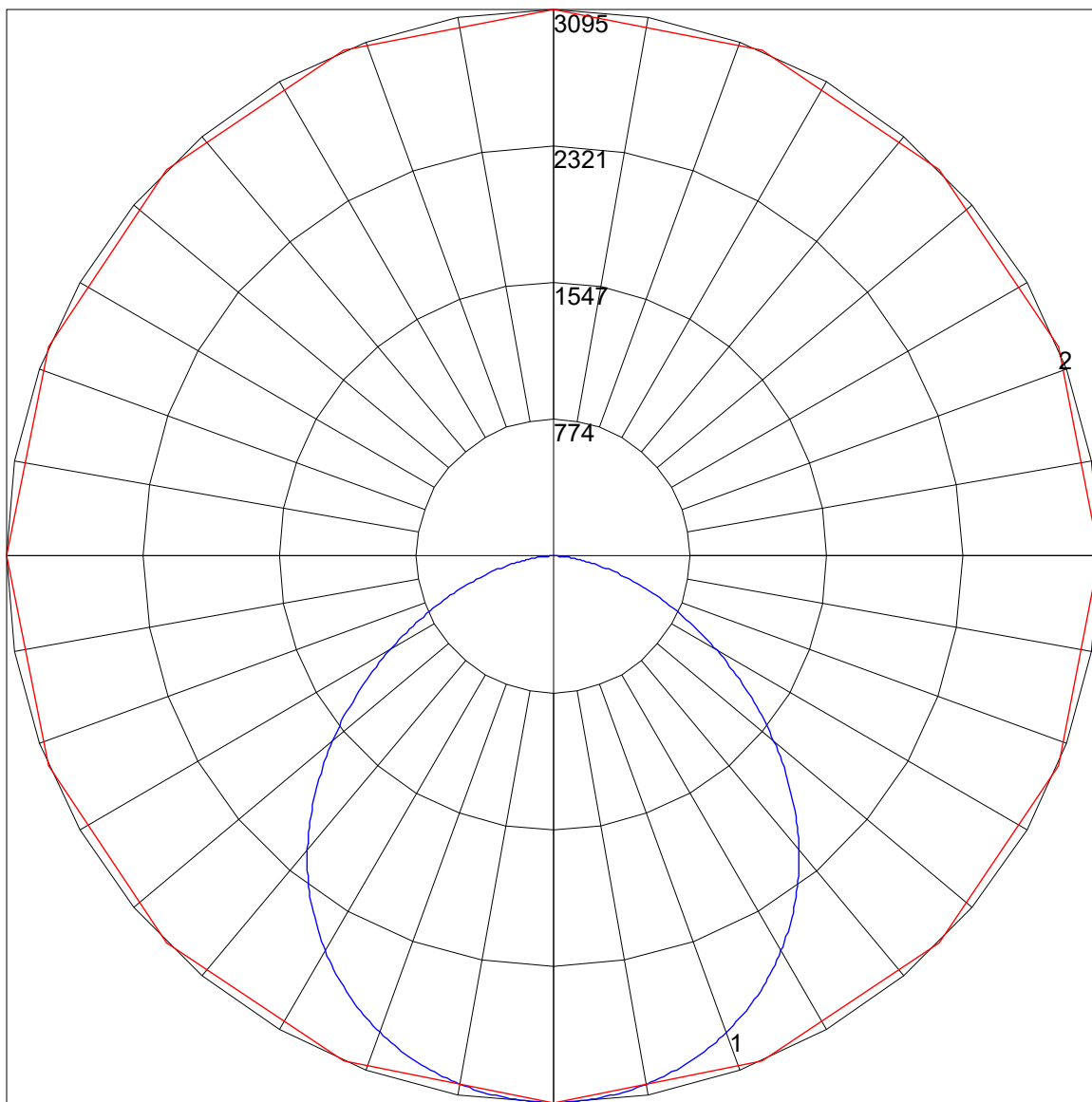
Reflectances

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	20.9	22.6	21.3	22.9	23.2	22.5	24.1	22.9	24.5	24.8
	3H	22.4	23.9	22.8	24.2	24.6	24.3	25.8	24.7	26.1	26.5
	4H	22.9	24.3	23.3	24.7	25.1	24.7	26.0	25.1	26.4	26.8
	6H	23.3	24.6	23.7	24.9	25.3	24.8	26.1	25.2	26.5	26.9
	8H	23.4	24.6	23.8	25.0	25.4	24.9	26.1	25.3	26.5	26.9
	12H	23.4	24.6	23.9	25.0	25.4	24.9	26.1	25.4	26.5	26.9
4H	2H	21.9	23.3	22.3	23.6	24.0	23.1	24.5	23.5	24.8	25.2
	3H	23.6	24.8	24.0	25.2	25.6	25.1	26.3	25.5	26.7	27.1
	4H	24.2	25.3	24.7	25.7	26.2	25.5	26.6	26.0	27.0	27.4
	6H	24.7	25.6	25.2	26.1	26.5	25.8	26.7	26.3	27.2	27.6
	8H	24.9	25.7	25.3	26.1	26.6	25.9	26.7	26.3	27.2	27.6
	12H	24.9	25.7	25.4	26.2	26.6	26.0	26.7	26.4	27.2	27.7
8H	4H	24.7	25.6	25.2	26.0	26.5	25.8	26.7	26.3	27.1	27.6
	6H	25.3	26.0	25.8	26.5	27.0	26.1	26.9	26.6	27.3	27.8
	8H	25.5	26.2	26.0	26.7	27.1	26.3	26.9	26.8	27.4	27.9
	12H	25.7	26.2	26.2	26.7	27.3	26.4	27.0	26.9	27.5	28.0
12H	4H	24.7	25.5	25.2	26.0	26.4	25.8	26.6	26.3	27.1	27.5
	6H	25.4	26.0	25.9	26.5	27.0	26.2	26.8	26.7	27.3	27.8
	8H	25.6	26.2	26.1	26.7	27.2	26.4	26.9	26.9	27.4	28.0

Maximum UGR = 28.0

POLAR GRAPH



Maximum Candela = 3094.843 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)