



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL V2 4 LW UV FR 840.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001687-020

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 4/19/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] PBL V2 4 LW UV FR 840

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

[MORE] two curved translucent plastic enclosures.

[LAMP] 336 white LEDs, four ULT M900C840D84N2Q LED boards

[BALLAST] One ULT D28CC95UVPA12-F LED driver labeled at 2420mA

[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	16241
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	104.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.80 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	15749	16710	17446
55	13900	16151	17315
65	11536	15596	17029
75	8894	14045	9456
85	5946	9442	7193

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2117.03	N.A.	13.00
0-30	4489.64	N.A.	27.60
0-40	7343.36	N.A.	45.20
0-60	12919.75	N.A.	79.50
0-80	15971.35	N.A.	98.30
0-90	16238.56	N.A.	100.00
10-90	15689.44	N.A.	96.60
20-40	5226.34	N.A.	32.20
20-50	8167.51	N.A.	50.30
40-70	7590.56	N.A.	46.70
60-80	3051.61	N.A.	18.80
70-80	1037.43	N.A.	6.40
80-90	267.21	N.A.	1.60
90-110	2.77	N.A.	0.00
90-120	2.77	N.A.	0.00
90-130	2.77	N.A.	0.00
90-150	2.77	N.A.	0.00
90-180	2.77	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	16241.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	549.12
10-20	1567.91
20-30	2372.62
30-40	2853.72
40-50	2941.17
50-60	2635.21
60-70	2014.18
70-80	1037.43
80-90	267.21
90-100	2.69
100-110	0.08
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	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50
5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	51	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	38	33	59	46	38	33	45	38	32	44	37	32	43	36	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	26	37	31	26	36	30	26	24

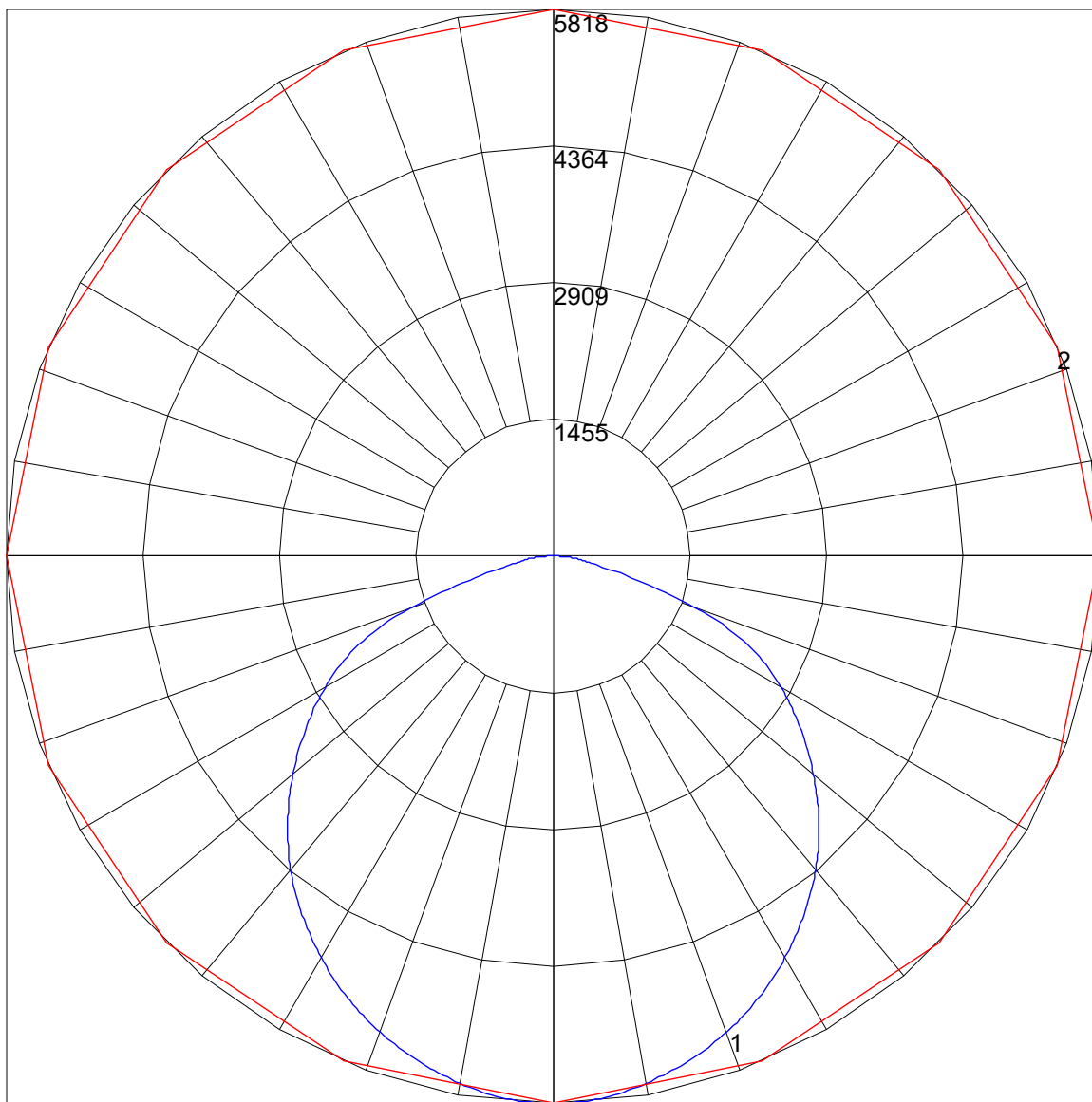
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**UGR TABLE - CORRECTED**

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	21.0	22.6	21.4	22.9	23.3	22.4	24.1	22.8	24.4	24.7
	3H	22.5	24.0	22.9	24.3	24.7	24.3	25.8	24.7	26.1	26.5
	4H	23.1	24.5	23.5	24.8	25.2	24.7	26.1	25.1	26.4	26.8
	6H	23.4	24.7	23.8	25.1	25.5	24.8	26.1	25.2	26.5	26.9
	8H	23.5	24.8	24.0	25.1	25.5	24.9	26.1	25.3	26.5	26.9
	12H	23.6	24.8	24.0	25.1	25.6	24.9	26.1	25.3	26.5	26.9
4H	2H	21.9	23.3	22.3	23.7	24.0	23.0	24.4	23.4	24.8	25.1
	3H	23.7	24.9	24.1	25.3	25.7	25.1	26.3	25.5	26.7	27.1
	4H	24.4	25.4	24.8	25.8	26.3	25.6	26.6	26.0	27.0	27.5
	6H	24.9	25.8	25.3	26.2	26.7	25.8	26.7	26.3	27.2	27.6
	8H	25.0	25.9	25.5	26.3	26.8	25.9	26.7	26.3	27.2	27.6
	12H	25.1	25.9	25.6	26.4	26.8	26.0	26.7	26.4	27.2	27.7
8H	4H	24.8	25.7	25.3	26.1	26.6	25.9	26.7	26.3	27.2	27.6
	6H	25.4	26.2	25.9	26.7	27.1	26.2	26.9	26.7	27.4	27.8
	8H	25.7	26.3	26.2	26.8	27.3	26.3	26.9	26.8	27.4	27.9
	12H	25.9	26.4	26.4	26.9	27.5	26.4	27.0	26.9	27.5	28.0
12H	4H	24.8	25.6	25.3	26.1	26.6	25.9	26.7	26.4	27.1	27.6
	6H	25.5	26.2	26.0	26.6	27.2	26.2	26.9	26.7	27.3	27.9
	8H	25.8	26.4	26.3	26.9	27.4	26.4	26.9	26.9	27.4	28.0

Maximum UGR = 28.0

POLAR GRAPH



Maximum Candela = 5818.424 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.)