



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL V2 2 VH UV 840.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001687-005A

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 4/7/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] PBL V2 2 VH UV 840

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

[MORE] no enclosure.

[LAMP] 252 white LEDs, three ULT M900C840D84N2Q LED boards

[BALLAST] One ULT D28CC95UVPA12-F LED driver programmed at 2380mA

[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	16715
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	161
Total Luminaire Watts	104
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.40
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	34954	33362	33244
55	34168	32525	33092
65	31717	31145	33098
75	25476	29148	4509
85	9277	6695	7652

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2131.95	N.A.	12.80
0-30	4547.28	N.A.	27.20
0-40	7502.31	N.A.	44.90
0-60	13483.44	N.A.	80.70
0-80	16565.46	N.A.	99.10
0-90	16713.09	N.A.	100.00
10-90	16162.09	N.A.	96.70
20-40	5370.36	N.A.	32.10
20-50	8487.73	N.A.	50.80
40-70	8220.25	N.A.	49.20
60-80	3082.02	N.A.	18.40
70-80	842.91	N.A.	5.00
80-90	147.63	N.A.	0.90
90-110	2.13	N.A.	0.00
90-120	2.13	N.A.	0.00
90-130	2.13	N.A.	0.00
90-150	2.13	N.A.	0.00
90-180	2.13	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	16715.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	551.00
10-20	1580.95
20-30	2415.33
30-40	2955.03
40-50	3117.37
50-60	2863.76
60-70	2239.12
70-80	842.91
80-90	147.63
90-100	2.13
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	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	61	55	67	60	54	65	59	54	63	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	47	41	54	47	41	52	46	41	51	45	40	38
7	65	51	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	60	47	38	33	59	46	38	32	45	38	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

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UGR TABLE - CORRECTED

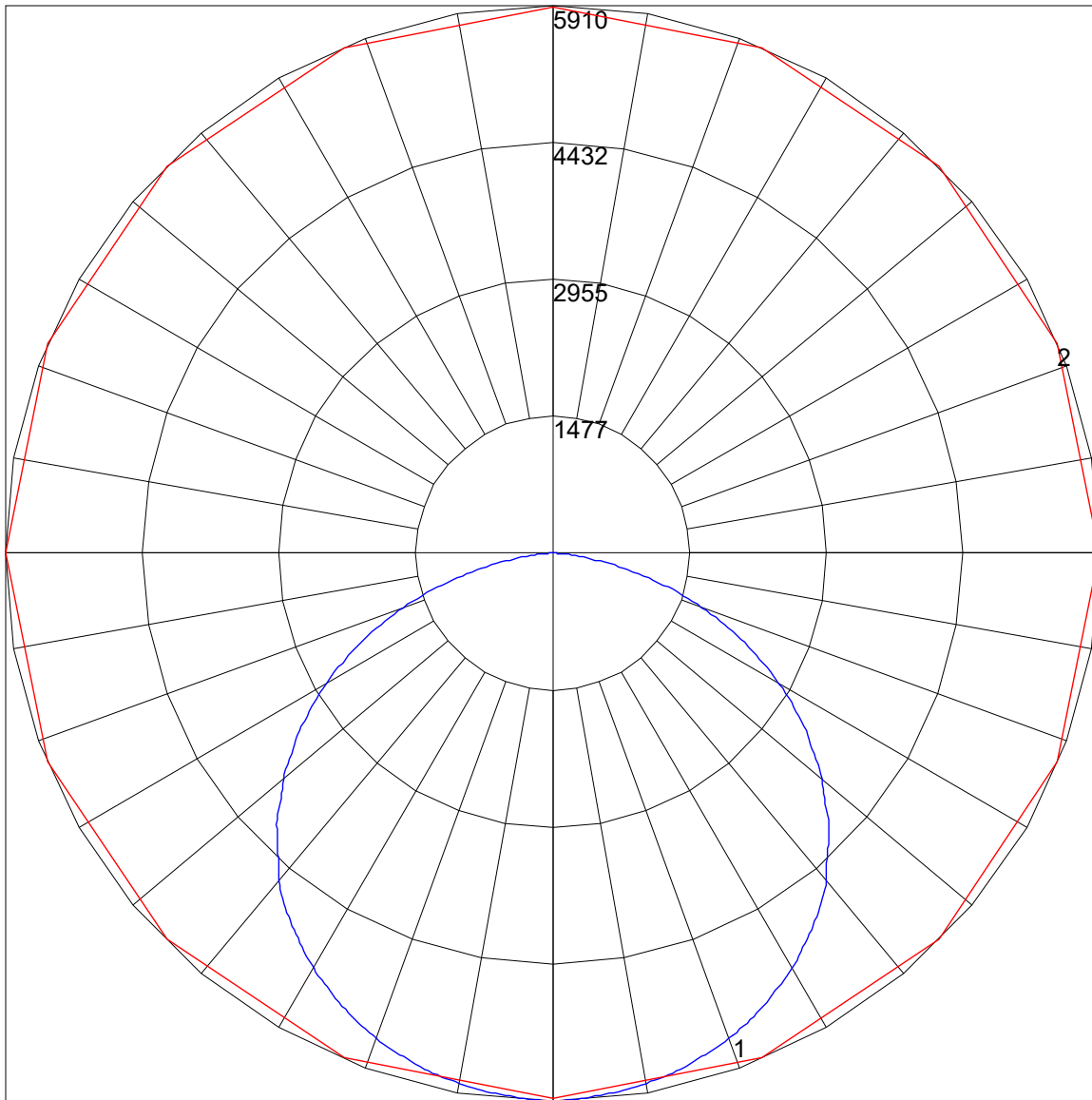
Reflectances

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	24.4	26.0	24.8	26.4	26.7	24.6	26.3	25.0	26.6	26.9
	3H	26.2	27.7	26.6	28.0	28.4	26.8	28.3	27.2	28.6	28.9
	4H	26.9	28.2	27.3	28.6	29.0	26.7	28.1	27.1	28.5	28.9
	6H	27.3	28.5	27.7	28.9	29.3	26.7	28.0	27.1	28.4	28.7
	8H	27.4	28.6	27.8	29.0	29.4	26.7	27.9	27.1	28.3	28.7
	12H	27.4	28.5	27.8	28.9	29.3	26.7	27.9	27.1	28.2	28.7
4H	2H	25.1	26.5	25.5	26.8	27.2	25.3	26.7	25.7	27.0	27.4
	3H	27.1	28.3	27.5	28.7	29.1	27.6	28.7	28.0	29.1	29.5
	4H	27.9	28.9	28.3	29.3	29.8	27.5	28.6	27.9	29.0	29.4
	6H	28.4	29.3	28.9	29.7	30.2	27.5	28.4	28.0	28.9	29.3
	8H	28.5	29.4	29.0	29.8	30.3	27.5	28.3	28.0	28.8	29.3
	12H	28.5	29.3	29.0	29.8	30.2	27.5	28.3	28.0	28.7	29.2
8H	4H	28.0	28.9	28.5	29.3	29.8	27.7	28.6	28.2	29.0	29.5
	6H	28.7	29.3	29.1	29.8	30.3	27.7	28.4	28.2	28.9	29.4
	8H	28.8	29.4	29.3	29.9	30.4	27.7	28.3	28.2	28.8	29.3
	12H	28.8	29.4	29.3	29.8	30.4	27.7	28.3	28.2	28.8	29.3
12H	4H	28.0	28.8	28.5	29.3	29.7	27.7	28.5	28.2	29.0	29.4
	6H	28.6	29.2	29.1	29.7	30.2	27.7	28.3	28.2	28.8	29.3
	8H	28.8	29.3	29.3	29.8	30.4	27.7	28.3	28.2	28.8	29.3

Maximum UGR = 30.4

POLAR GRAPH



Maximum Candela = 5909.741 Located At Horizontal Angle = 0, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)