



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL V2 2W VH UV 850.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001687-011

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 4/19/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] PBL V2 2W VH UV 850

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

[MORE] no enclosure.

[LAMP] 336 white LEDs, four ULT M900C850D84N2Q LED boards

[BALLAST] Two ULT D15CC55UNVPW-C LED drivers labeled at 1380mA

[OTHER] 120.0Vac, 60.00Hz, 1.018A, 121.3W, 0.993PF, 6.9%THD(i)

[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	19703
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	162
Total Luminaire Watts	121.33
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	1.26 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	28781	28449	28443
55	27982	27803	27848
65	25900	25920	26496
75	20874	22819	12580
85	8422	7883	9009

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2464.02	N.A.	12.50
0-30	5266.38	N.A.	26.70
0-40	8704.25	N.A.	44.20
0-60	15670.74	N.A.	79.50
0-80	19474.15	N.A.	98.80
0-90	19700.6	N.A.	100.00
10-90	19065.15	N.A.	96.80
20-40	6240.23	N.A.	31.70
20-50	9875.27	N.A.	50.10
40-70	9513.86	N.A.	48.30
60-80	3803.42	N.A.	19.30
70-80	1256.05	N.A.	6.40
80-90	226.45	N.A.	1.10
90-110	1.96	N.A.	0.00
90-120	1.96	N.A.	0.00
90-130	1.96	N.A.	0.00
90-150	1.96	N.A.	0.00
90-180	1.96	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	19702.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	635.45
10-20	1828.57
20-30	2802.36
30-40	3437.87
40-50	3635.03
50-60	3331.45
60-70	2547.37
70-80	1256.05
80-90	226.45
90-100	1.96
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	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	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

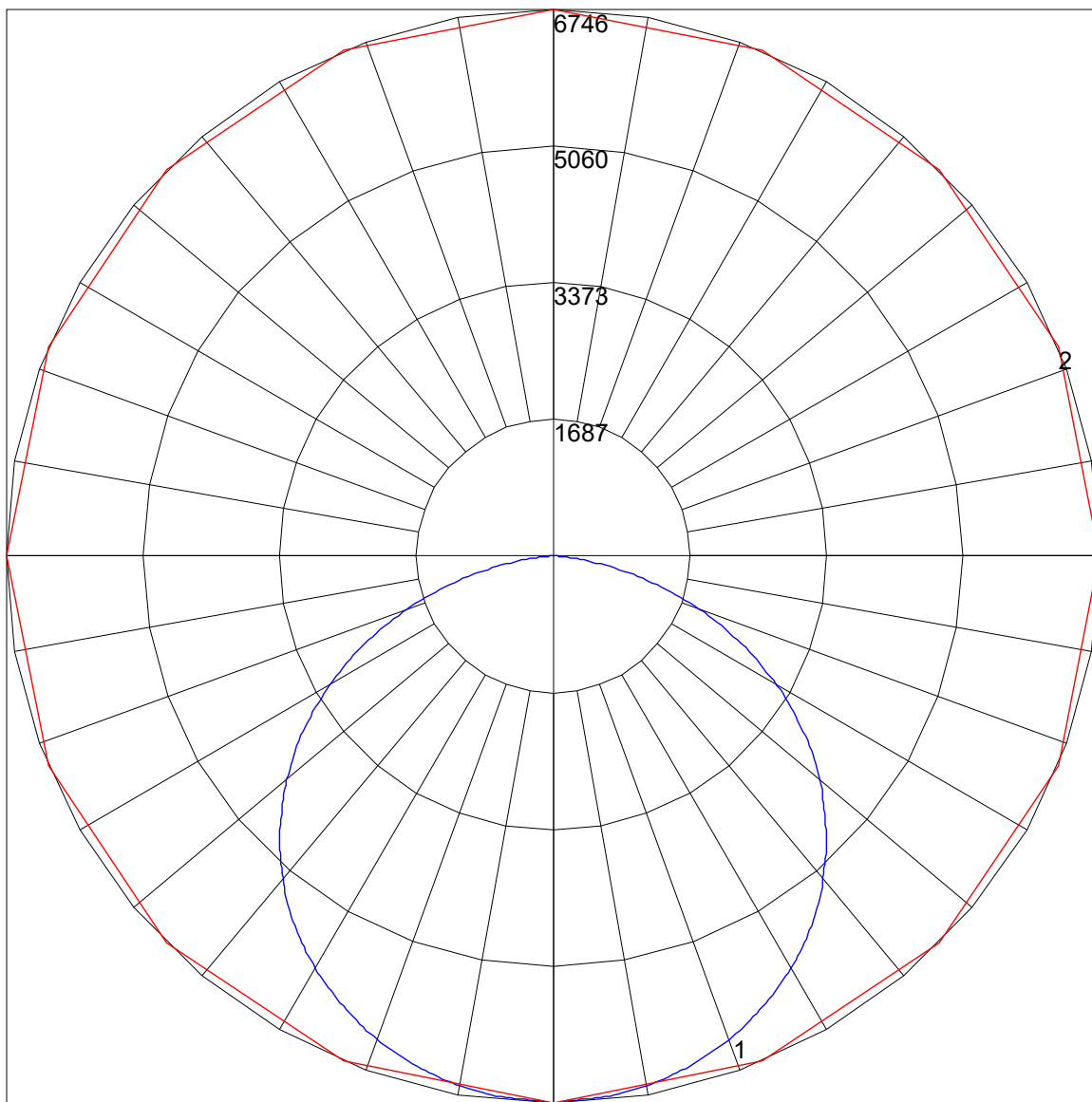
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UGR TABLE - CORRECTED

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	23.8	25.5	24.2	25.8	26.1	23.9	25.6	24.3	25.9	26.2
	3H	25.6	27.1	26.0	27.4	27.8	25.9	27.4	26.3	27.7	28.1
	4H	26.2	27.6	26.6	28.0	28.4	26.1	27.5	26.5	27.8	28.2
	6H	26.6	27.9	27.0	28.3	28.6	26.2	27.5	26.6	27.9	28.3
	8H	26.7	27.9	27.1	28.3	28.7	26.3	27.5	26.7	27.9	28.3
	12H	26.7	27.9	27.1	28.3	28.7	26.3	27.5	26.7	27.8	28.3
4H	2H	24.5	25.9	24.9	26.3	26.6	24.6	26.0	25.0	26.3	26.7
	3H	26.5	27.7	26.9	28.1	28.5	26.8	27.9	27.2	28.3	28.7
	4H	27.2	28.3	27.6	28.7	29.1	27.0	28.1	27.4	28.5	28.9
	6H	27.7	28.6	28.1	29.0	29.5	27.2	28.1	27.6	28.5	29.0
	8H	27.8	28.7	28.3	29.1	29.6	27.2	28.1	27.7	28.5	29.0
	12H	27.8	28.6	28.3	29.1	29.5	27.3	28.1	27.8	28.5	29.0
8H	4H	27.5	28.3	27.9	28.8	29.2	27.3	28.1	27.7	28.6	29.0
	6H	28.0	28.7	28.5	29.2	29.7	27.5	28.2	28.0	28.7	29.2
	8H	28.2	28.8	28.7	29.3	29.8	27.6	28.2	28.1	28.7	29.2
	12H	28.2	28.8	28.7	29.3	29.9	27.6	28.2	28.2	28.7	29.3
12H	4H	27.5	28.2	27.9	28.7	29.2	27.3	28.1	27.8	28.5	29.0
	6H	28.0	28.7	28.5	29.1	29.7	27.5	28.2	28.0	28.6	29.1
	8H	28.2	28.8	28.7	29.3	29.8	27.6	28.2	28.1	28.7	29.2

Maximum UGR = 29.9

POLAR GRAPH



Maximum Candela = 6746 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.)