



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL V2 2 LW 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 LW UV 840

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

[MORE] no enclosure.

[LAMP] 168 white LEDs, two ULT M900C840D84N2Q LED boards

[BALLAST] One ULT D15CC55UNVPW-C LED driver programmed 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	8824
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	161
Total Luminaire Watts	54.7
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	18453	17613	17550
55	18038	17171	17470
65	16744	16442	17473
75	13449	15388	2380
85	4898	3534	4039

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1125.5	N.A.	12.80
0-30	2400.6	N.A.	27.20
0-40	3960.62	N.A.	44.90
0-60	7118.18	N.A.	80.70
0-80	8745.24	N.A.	99.10
0-90	8823.18	N.A.	100.00
10-90	8532.29	N.A.	96.70
20-40	2835.12	N.A.	32.10
20-50	4480.84	N.A.	50.80
40-70	4339.63	N.A.	49.20
60-80	1627.06	N.A.	18.40
70-80	444.99	N.A.	5.00
80-90	77.94	N.A.	0.90
90-110	1.13	N.A.	0.00
90-120	1.13	N.A.	0.00
90-130	1.13	N.A.	0.00
90-150	1.13	N.A.	0.00
90-180	1.13	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	8824.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	290.88
10-20	834.61
20-30	1275.1
30-40	1560.02
40-50	1645.72
50-60	1511.84
60-70	1182.08
70-80	444.99
80-90	77.94
90-100	1.13
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

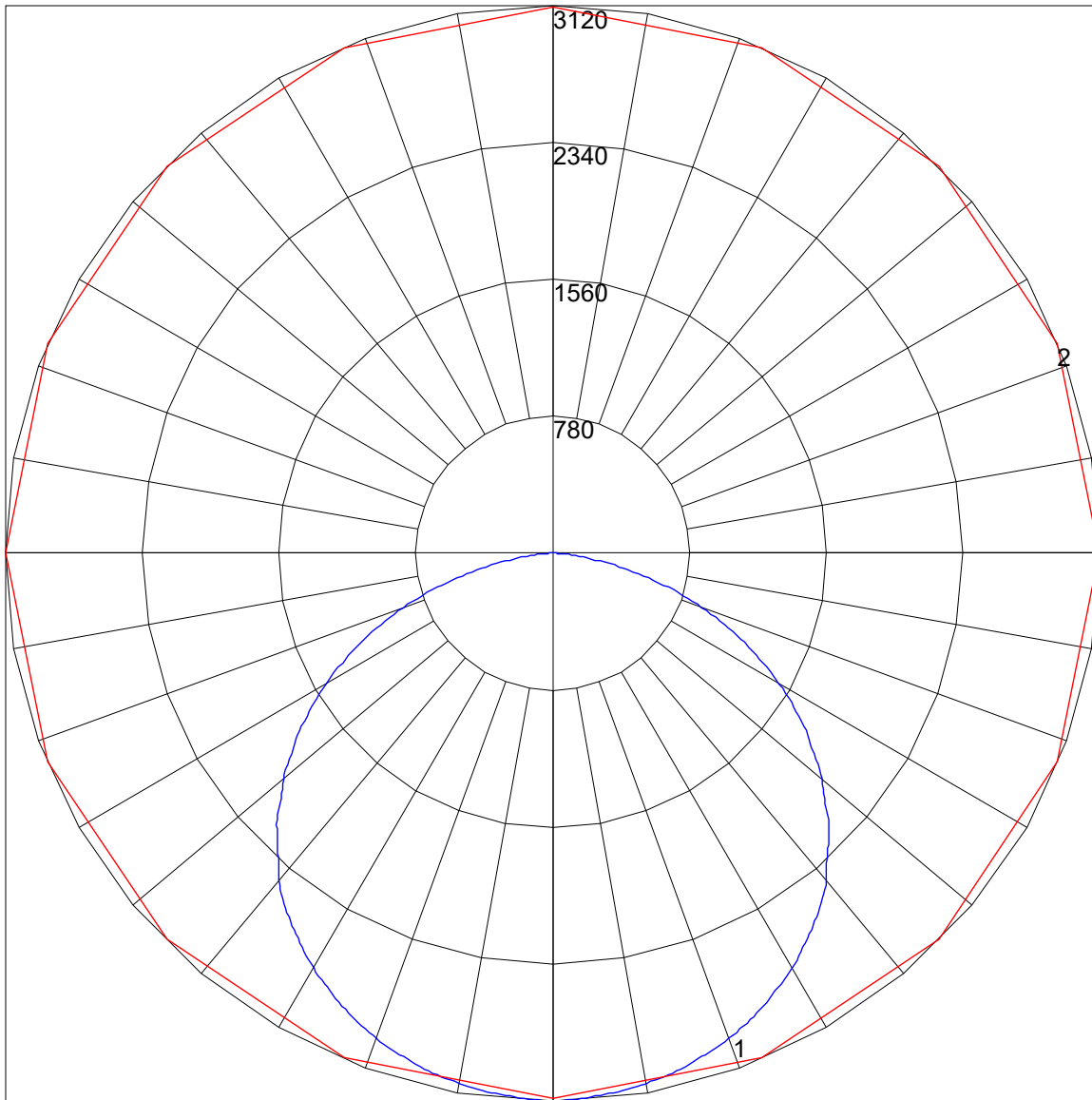
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UGR TABLE - CORRECTED

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	22.2	23.8	22.6	24.2	24.5	22.4	24.1	22.8	24.4	24.7
	3H	24.0	25.5	24.4	25.8	26.2	24.6	26.1	25.0	26.4	26.7
	4H	24.7	26.0	25.1	26.4	26.8	24.5	25.9	24.9	26.3	26.7
	6H	25.1	26.3	25.5	26.7	27.1	24.5	25.8	24.9	26.2	26.5
	8H	25.2	26.4	25.6	26.8	27.2	24.5	25.7	24.9	26.1	26.5
	12H	25.2	26.3	25.6	26.7	27.1	24.5	25.7	24.9	26.0	26.5
4H	2H	22.9	24.3	23.3	24.6	25.0	23.1	24.5	23.5	24.8	25.2
	3H	24.9	26.1	25.3	26.5	26.9	25.4	26.5	25.8	26.9	27.3
	4H	25.7	26.7	26.1	27.1	27.6	25.3	26.4	25.7	26.8	27.2
	6H	26.2	27.1	26.7	27.5	28.0	25.3	26.2	25.8	26.7	27.1
	8H	26.3	27.2	26.8	27.6	28.1	25.3	26.1	25.8	26.6	27.1
	12H	26.3	27.1	26.8	27.6	28.0	25.3	26.1	25.8	26.5	27.0
8H	4H	25.8	26.7	26.3	27.1	27.6	25.5	26.4	26.0	26.8	27.3
	6H	26.5	27.1	26.9	27.6	28.1	25.5	26.2	26.0	26.7	27.2
	8H	26.6	27.2	27.1	27.7	28.2	25.5	26.1	26.0	26.6	27.1
	12H	26.6	27.2	27.1	27.6	28.2	25.5	26.1	26.0	26.6	27.1
12H	4H	25.8	26.6	26.3	27.1	27.5	25.5	26.3	26.0	26.8	27.2
	6H	26.4	27.0	26.9	27.5	28.0	25.5	26.1	26.0	26.6	27.1
	8H	26.6	27.1	27.1	27.6	28.2	25.5	26.1	26.0	26.6	27.1

Maximum UGR = 28.2

POLAR GRAPH



Maximum Candela = 3119.871 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.)