



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001687-015

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 4/19/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] PBL V2 2W VH UV FR 850-WG

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

[MORE] four curved translucent plastic enclosures, white painted steel wireguard.

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

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

[OTHER] 120.0Vac, 60.00Hz, 1.015A, 121.1W, 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	17590
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	121.05
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	1.26 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	23491	21575	24094
55	20170	21228	24374
65	16108	20095	22453
75	11788	16894	15646
85	6696	9033	10967

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2392.96	N.A.	13.60
0-30	5029.85	N.A.	28.60
0-40	8044.84	N.A.	45.70
0-60	13915.48	N.A.	79.10
0-80	17196.12	N.A.	97.80
0-90	17538.46	N.A.	99.70
10-90	16918.12	N.A.	96.20
20-40	5651.88	N.A.	32.10
20-50	8726.02	N.A.	49.60
40-70	7986.07	N.A.	45.40
60-80	3280.64	N.A.	18.70
70-80	1165.21	N.A.	6.60
80-90	342.34	N.A.	1.90
90-110	50.75	N.A.	0.30
90-120	51.77	N.A.	0.30
90-130	51.78	N.A.	0.30
90-150	51.78	N.A.	0.30
90-180	51.78	N.A.	0.30
110-180	1.03	N.A.	0.00
0-180	17590.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	620.34
10-20	1772.62
20-30	2636.88
30-40	3014.99
40-50	3074.14
50-60	2796.5
60-70	2115.43
70-80	1165.21
80-90	342.34
90-100	44.25
100-110	6.50
110-120	1.02
120-130	0.01
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	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	77	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	48	74	62	54	47	60	53	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	42	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	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

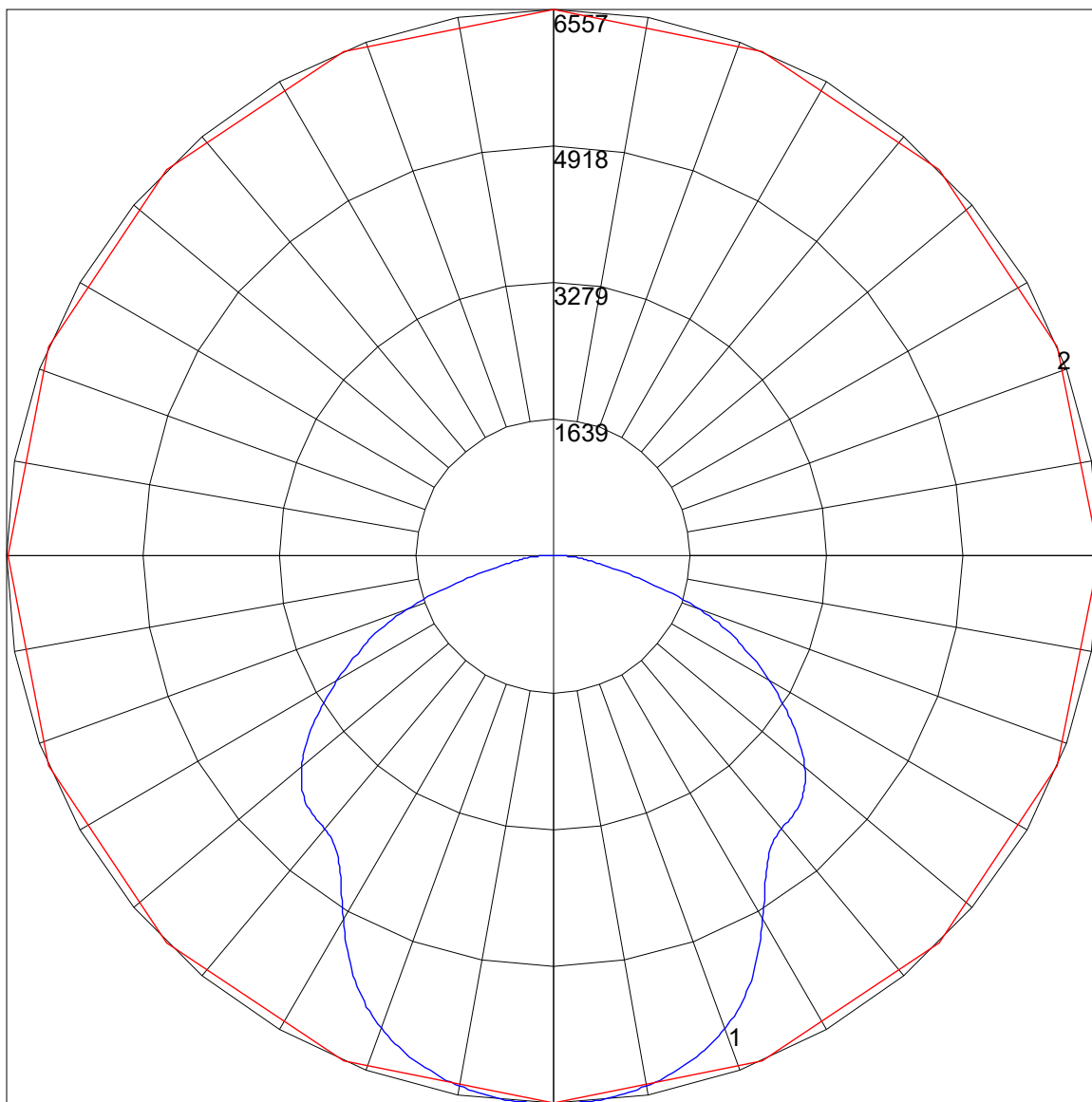
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UGR TABLE - CORRECTED

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	21.9	23.5	22.2	23.8	24.1	23.6	25.2	24.0	25.5	25.9
	3H	23.3	24.8	23.7	25.1	25.5	25.5	26.9	25.9	27.3	27.6
	4H	23.8	25.2	24.2	25.5	25.9	26.0	27.4	26.4	27.7	28.1
	6H	24.1	25.4	24.5	25.8	26.2	26.3	27.6	26.7	27.9	28.3
	8H	24.2	25.4	24.6	25.8	26.2	26.4	27.6	26.8	28.0	28.4
	12H	24.2	25.4	24.7	25.8	26.2	26.4	27.6	26.9	28.0	28.4
4H	2H	22.8	24.1	23.2	24.5	24.9	24.1	25.5	24.5	25.8	26.2
	3H	24.4	25.6	24.8	26.0	26.4	26.2	27.4	26.6	27.8	28.2
	4H	25.0	26.1	25.4	26.5	26.9	26.9	27.9	27.3	28.3	28.8
	6H	25.4	26.4	25.9	26.8	27.3	27.3	28.2	27.7	28.6	29.1
	8H	25.6	26.4	26.0	26.9	27.3	27.4	28.2	27.8	28.7	29.1
	12H	25.6	26.4	26.1	26.9	27.4	27.5	28.3	28.0	28.7	29.2
8H	4H	25.5	26.3	25.9	26.8	27.2	27.1	27.9	27.5	28.4	28.8
	6H	26.0	26.8	26.5	27.2	27.7	27.6	28.3	28.1	28.8	29.3
	8H	26.2	26.9	26.7	27.4	27.9	27.7	28.4	28.3	28.9	29.4
	12H	26.3	26.9	26.8	27.4	28.0	27.9	28.5	28.4	29.0	29.5
12H	4H	25.5	26.3	26.0	26.8	27.2	27.1	27.9	27.6	28.3	28.8
	6H	26.1	26.8	26.6	27.2	27.8	27.6	28.3	28.1	28.7	29.3
	8H	26.3	26.9	26.8	27.4	28.0	27.8	28.4	28.3	28.9	29.4

Maximum UGR = 29.5

POLAR GRAPH



Maximum Candela = 6557 Located At Horizontal Angle = 90, Vertical Angle = 1.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1.5) (Through Max. Cd.)