



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001687-014

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 4/19/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] PBL V2 2W VH UV FR 850

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

[MORE] four curved translucent plastic enclosures.

[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, 7.0%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	18569
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	121.07
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 w/Sides
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	1.26 ft
Luminous Height	0.04 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	24057	25490	26620
55	20796	24030	25886
65	16668	22184	24785
75	12125	19525	16907
85	6594	10955	10920

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2410.74	N.A.	13.00
0-30	5123.25	N.A.	27.60
0-40	8386.93	N.A.	45.20
0-60	14720.53	N.A.	79.30
0-80	18206.72	N.A.	98.00
0-90	18551.45	N.A.	99.90
10-90	17928.09	N.A.	96.50
20-40	5976.19	N.A.	32.20
20-50	9330.12	N.A.	50.20
40-70	8586.75	N.A.	46.20
60-80	3486.2	N.A.	18.80
70-80	1233.04	N.A.	6.60
80-90	344.72	N.A.	1.90
90-110	17.39	N.A.	0.10
90-120	17.39	N.A.	0.10
90-130	17.39	N.A.	0.10
90-150	17.39	N.A.	0.10
90-180	17.39	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	18568.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	623.36
10-20	1787.38
20-30	2712.5
30-40	3263.69
40-50	3353.93
50-60	2979.66
60-70	2253.16
70-80	1233.04
80-90	344.72
90-100	17.32
100-110	0.07
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	94	97	94	91	94	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	71	65	88	78	70	64	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	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
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	60	47	38	33	59	46	38	32	45	38	32	44	37	32	42	36	32	30
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

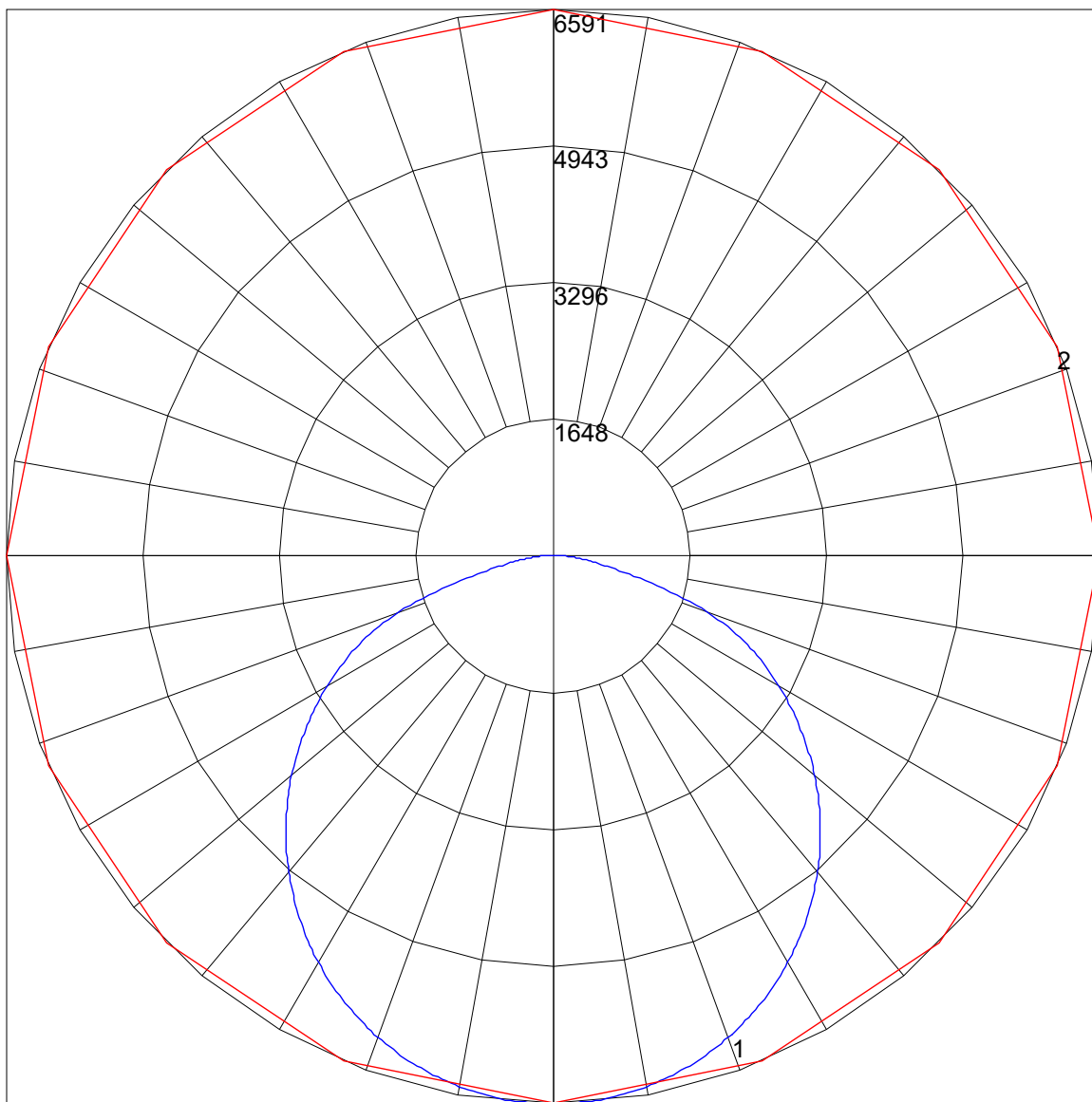
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UGR TABLE - CORRECTED

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	22.3	23.9	22.7	24.3	24.6	23.8	25.4	24.2	25.7	26.1
	3H	23.7	25.2	24.1	25.5	25.9	25.8	27.2	26.1	27.6	27.9
	4H	24.2	25.6	24.6	25.9	26.3	26.3	27.7	26.7	28.0	28.4
	6H	24.5	25.8	24.9	26.1	26.5	26.5	27.8	27.0	28.2	28.6
	8H	24.6	25.8	25.0	26.2	26.6	26.6	27.8	27.0	28.2	28.6
	12H	24.6	25.8	25.0	26.2	26.6	26.7	27.9	27.1	28.2	28.7
4H	2H	23.2	24.6	23.6	24.9	25.3	24.3	25.7	24.7	26.1	26.5
	3H	24.9	26.0	25.3	26.4	26.8	26.5	27.7	26.9	28.1	28.5
	4H	25.4	26.5	25.9	26.9	27.3	27.2	28.2	27.6	28.6	29.1
	6H	25.9	26.8	26.3	27.2	27.7	27.5	28.5	28.0	28.9	29.3
	8H	26.0	26.8	26.4	27.3	27.7	27.6	28.5	28.1	28.9	29.4
	12H	26.0	26.8	26.5	27.3	27.8	27.7	28.5	28.2	29.0	29.4
8H	4H	25.9	26.8	26.4	27.2	27.7	27.4	28.3	27.9	28.7	29.2
	6H	26.5	27.2	27.0	27.7	28.2	27.9	28.6	28.4	29.1	29.6
	8H	26.7	27.3	27.2	27.8	28.3	28.0	28.7	28.5	29.2	29.7
	12H	26.8	27.4	27.3	27.9	28.4	28.2	28.7	28.7	29.2	29.8
12H	4H	25.9	26.7	26.4	27.2	27.7	27.4	28.2	27.9	28.7	29.1
	6H	26.6	27.2	27.1	27.7	28.2	27.9	28.6	28.4	29.0	29.6
	8H	26.8	27.4	27.3	27.9	28.4	28.1	28.7	28.6	29.2	29.7

Maximum UGR = 29.8

POLAR GRAPH



Maximum Candela = 6591 Located At Horizontal Angle = 90, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)