



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL V2 2W HI UV FR 840.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 HI UV FR 840

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

[MORE] three curved translucent plastic enclosures.

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

[BALLAST] One ULT D15CC55UNVPW-C LED driver labeled at 840mA & one ULT D21CC80UNVPW-D LED driver labeled at 168mA

[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	16762
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	112.1
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	21716	23010	24030
55	18772	21691	23367
65	15046	20025	22373
75	10945	17625	15262
85	5952	9889	9857

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2176.16	N.A.	13.00
0-30	4624.71	N.A.	27.60
0-40	7570.82	N.A.	45.20
0-60	13288.11	N.A.	79.30
0-80	16435.08	N.A.	98.00
0-90	16746.26	N.A.	99.90
10-90	16183.55	N.A.	96.50
20-40	5394.66	N.A.	32.20
20-50	8422.23	N.A.	50.20
40-70	7751.2	N.A.	46.20
60-80	3146.97	N.A.	18.80
70-80	1113.06	N.A.	6.60
80-90	311.18	N.A.	1.90
90-110	15.70	N.A.	0.10
90-120	15.70	N.A.	0.10
90-130	15.70	N.A.	0.10
90-150	15.70	N.A.	0.10
90-180	15.70	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	16761.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	562.70
10-20	1613.46
20-30	2448.55
30-40	2946.11
40-50	3027.57
50-60	2689.72
60-70	2033.91
70-80	1113.06
80-90	311.18
90-100	15.64
100-110	0.06
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

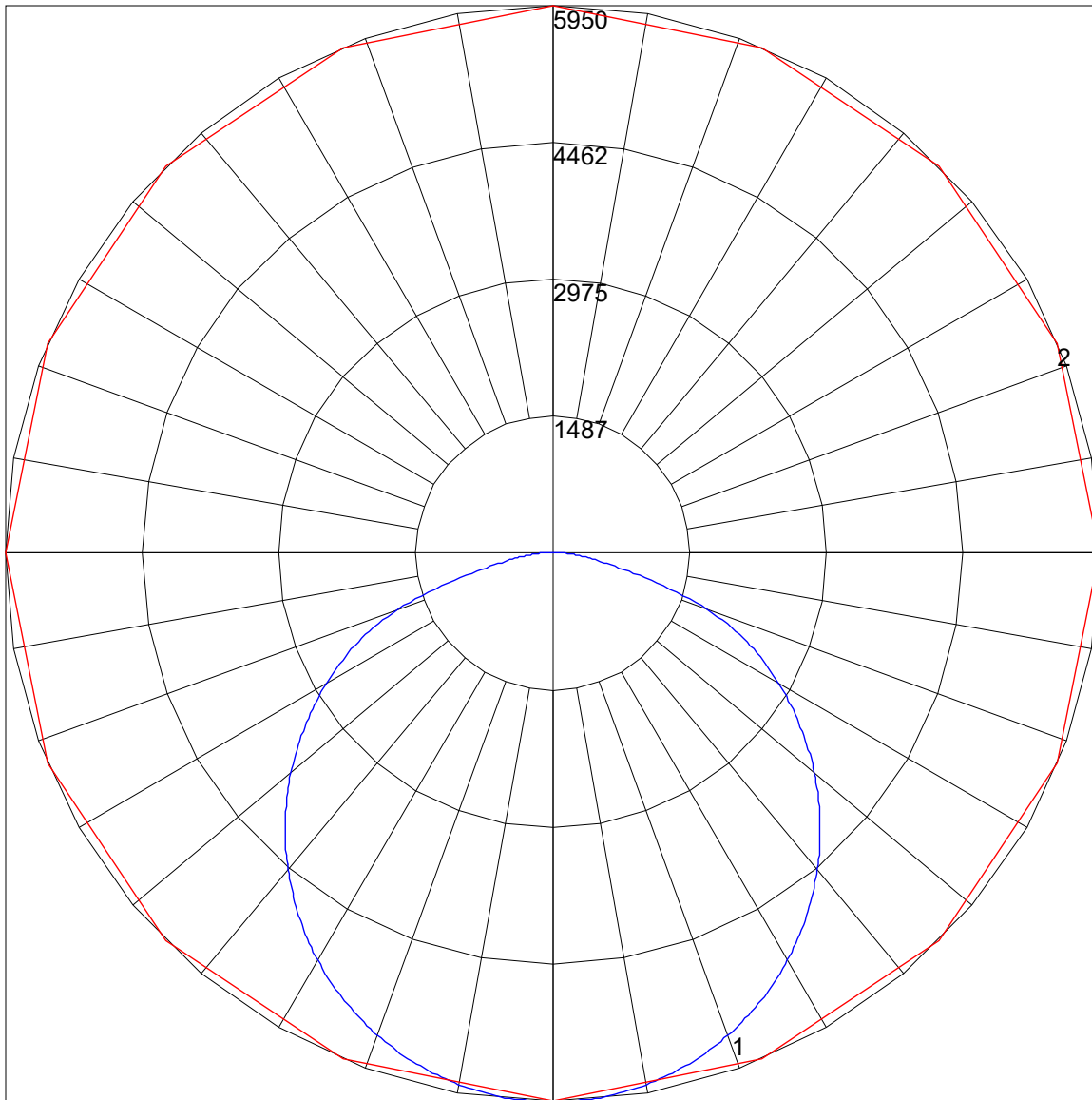
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UGR TABLE - CORRECTED

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	21.9	23.5	22.3	23.9	24.2	23.4	25.0	23.8	25.3	25.7
	3H	23.3	24.8	23.7	25.1	25.5	25.4	26.8	25.7	27.2	27.5
	4H	23.8	25.2	24.2	25.5	25.9	25.9	27.3	26.3	27.6	28.0
	6H	24.1	25.4	24.5	25.7	26.1	26.1	27.4	26.6	27.8	28.2
	8H	24.2	25.4	24.6	25.8	26.2	26.2	27.4	26.6	27.8	28.2
	12H	24.2	25.4	24.6	25.8	26.2	26.3	27.5	26.7	27.8	28.3
4H	2H	22.8	24.2	23.2	24.5	24.9	23.9	25.3	24.3	25.7	26.1
	3H	24.5	25.6	24.9	26.0	26.4	26.1	27.3	26.5	27.7	28.1
	4H	25.0	26.1	25.5	26.5	26.9	26.8	27.8	27.2	28.2	28.7
	6H	25.5	26.4	25.9	26.8	27.3	27.1	28.1	27.6	28.5	28.9
	8H	25.6	26.4	26.0	26.9	27.3	27.2	28.1	27.7	28.5	29.0
	12H	25.6	26.4	26.1	26.9	27.4	27.3	28.1	27.8	28.6	29.0
8H	4H	25.5	26.4	26.0	26.8	27.3	27.0	27.9	27.5	28.3	28.8
	6H	26.1	26.8	26.6	27.3	27.8	27.5	28.2	28.0	28.7	29.2
	8H	26.3	26.9	26.8	27.4	27.9	27.6	28.3	28.1	28.8	29.3
	12H	26.4	27.0	26.9	27.5	28.0	27.8	28.3	28.3	28.8	29.4
12H	4H	25.5	26.3	26.0	26.8	27.3	27.0	27.8	27.5	28.3	28.7
	6H	26.2	26.8	26.7	27.3	27.8	27.5	28.2	28.0	28.6	29.2
	8H	26.4	27.0	26.9	27.5	28.0	27.7	28.3	28.2	28.8	29.3

Maximum UGR = 29.4

POLAR GRAPH



Maximum Candela = 5949.647 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.)