



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL G2 4 MD HE UV FR 840.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001249-010A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 3/18/2020

[MANUFAC] Lumen Focus, LLC

[LUMCAT] PBL G2 4 MD HE UV FR 840

[LUMINAIRE] Surface/pendant mounted, formed white enamel aluminum housing/reflectors,
[MORE] frosted plastic enclosures below LEDs.

[LAMP] 672 white LEDs, six 20103 4000K 3437A1 LED boards with 112 LEDs
[MORE] each.

[BALLAST] Two ULT Everline D15CC55UNVPW-C LED drivers each programmed at 1190mA

[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	19259
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	168
Total Luminaire Watts	114.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.79 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	18829	19910	20680
55	16526	19195	20511
65	13521	18454	19996
75	10204	16118	12732
85	6597	11879	9198

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2513.31	N.A.	13.00
0-30	5334.74	N.A.	27.70
0-40	8728.21	N.A.	45.30
0-60	15343.49	N.A.	79.70
0-80	18932.22	N.A.	98.30
0-90	19256.47	N.A.	100.00
10-90	18605.75	N.A.	96.60
20-40	6214.9	N.A.	32.30
20-50	9708.91	N.A.	50.40
40-70	8978.83	N.A.	46.60
60-80	3588.74	N.A.	18.60
70-80	1225.19	N.A.	6.40
80-90	324.25	N.A.	1.70
90-110	2.81	N.A.	0.00
90-120	2.81	N.A.	0.00
90-130	2.81	N.A.	0.00
90-150	2.81	N.A.	0.00
90-180	2.81	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	19259.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	650.73
10-20	1862.58
20-30	2821.43
30-40	3393.47
40-50	3494.01
50-60	3121.27
60-70	2363.55
70-80	1225.19
80-90	324.25
90-100	2.63
100-110	0.18
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	94	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	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	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	41	68	56	47	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	31	26	24

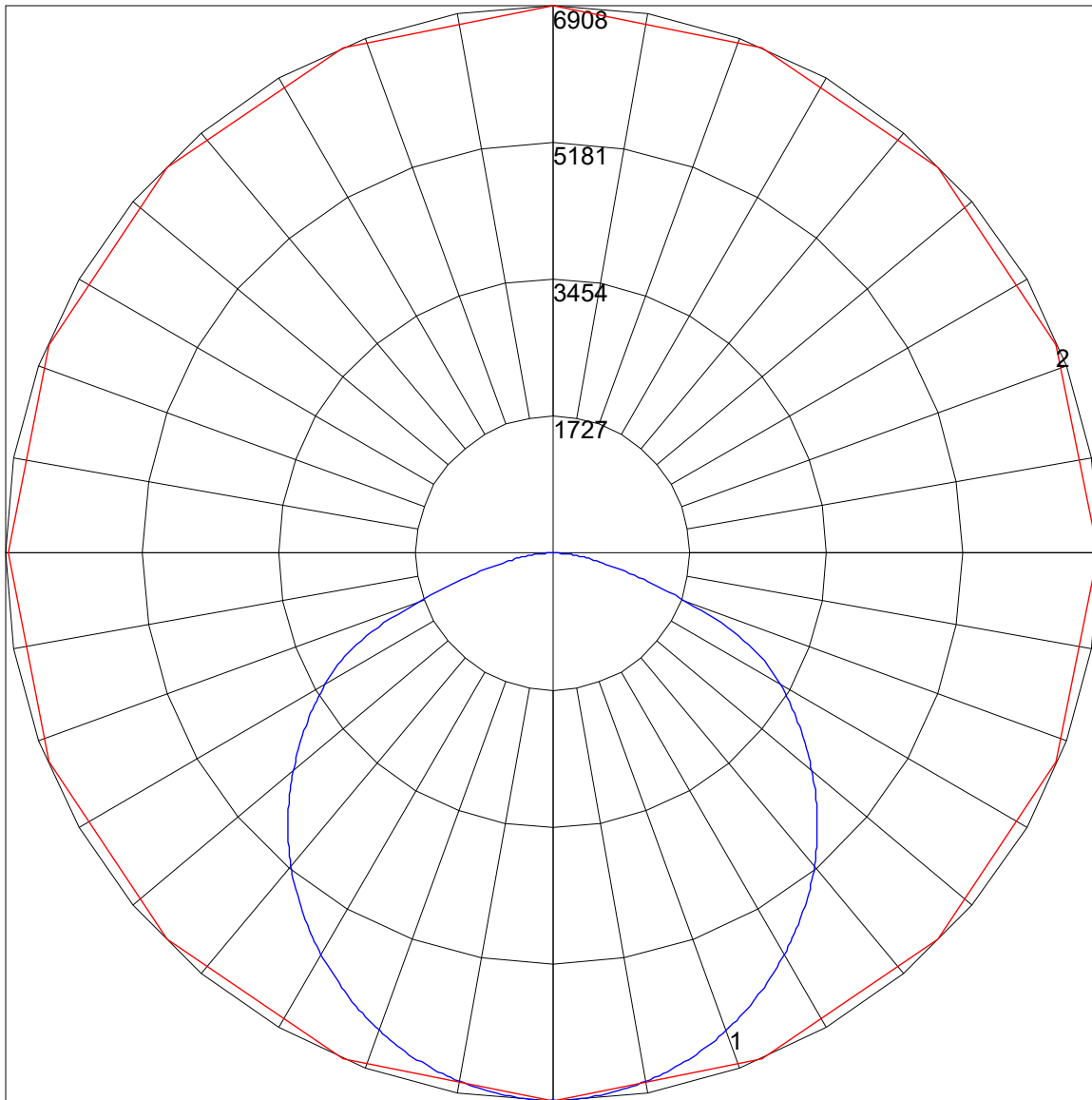
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UGR TABLE - CORRECTED

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	21.6	23.2	22.0	23.5	23.9	23.0	24.7	23.4	25.0	25.3
	3H	23.1	24.6	23.5	24.9	25.3	24.8	26.3	25.2	26.6	27.0
	4H	23.6	25.0	24.0	25.3	25.7	25.2	26.6	25.6	27.0	27.3
	6H	23.9	25.2	24.3	25.6	26.0	25.5	26.8	25.9	27.1	27.5
	8H	24.0	25.3	24.5	25.6	26.0	25.6	26.8	26.0	27.2	27.6
	12H	24.1	25.3	24.5	25.6	26.1	25.6	26.8	26.0	27.2	27.6
4H	2H	22.5	23.9	22.9	24.2	24.6	23.6	25.0	24.0	25.3	25.7
	3H	24.2	25.4	24.7	25.8	26.2	25.6	26.8	26.0	27.2	27.6
	4H	24.9	25.9	25.3	26.3	26.8	26.1	27.2	26.6	27.6	28.0
	6H	25.3	26.3	25.8	26.7	27.2	26.5	27.4	26.9	27.8	28.3
	8H	25.5	26.3	26.0	26.8	27.3	26.6	27.5	27.1	27.9	28.4
	12H	25.6	26.3	26.1	26.8	27.3	26.7	27.4	27.2	27.9	28.4
8H	4H	25.3	26.2	25.8	26.6	27.1	26.4	27.3	26.9	27.7	28.2
	6H	25.9	26.6	26.4	27.1	27.6	26.8	27.6	27.3	28.1	28.5
	8H	26.2	26.8	26.7	27.3	27.8	27.0	27.7	27.5	28.2	28.6
	12H	26.3	26.9	26.8	27.4	27.9	27.2	27.7	27.7	28.2	28.8
12H	4H	25.4	26.1	25.8	26.6	27.1	26.4	27.2	26.9	27.7	28.1
	6H	26.0	26.7	26.5	27.1	27.7	26.9	27.6	27.4	28.0	28.6
	8H	26.3	26.9	26.8	27.3	27.9	27.1	27.7	27.6	28.2	28.7

Maximum UGR = 28.8

POLAR GRAPH



Maximum Candela = 6907.833 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)