



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL G2 2W HI UV FR 840.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001249-002A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 3/18/2020

[MANUFAC] Lumen Focus, LLC

[LUMCAT] PBL G2 2W HI UV FR 840

[LUMINAIRE] Surface/pendant mounted, formed white enamel aluminum housing/reflectors,

[MORE] frosted plastic enclosures below LEDs

[LAMP] 336 white LEDs, four 20103 4000K 3437A1 LED boards with 112 LEDs

[MORE] each.

[BALLAST] One ULT Everline D28CC95UVPA12-F LED driver programmed at

[MORE] 2150mA

[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	16805
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	162
Total Luminaire Watts	103.7
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
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	1.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	22419	23968	24919
55	19525	22945	24631
65	15853	21759	24498
75	11873	20844	19500
85	7337	15126	14825

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PBL G2 2W HI UV FR 840.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2181.24	N.A.	13.00
0-30	4629.65	N.A.	27.50
0-40	7569.82	N.A.	45.00
0-60	13268.99	N.A.	79.00
0-80	16467.89	N.A.	98.00
0-90	16793.17	N.A.	99.90
10-90	16228.75	N.A.	96.60
20-40	5388.58	N.A.	32.10
20-50	8406.75	N.A.	50.00
40-70	7738.88	N.A.	46.10
60-80	3198.9	N.A.	19.00
70-80	1159.19	N.A.	6.90
80-90	325.28	N.A.	1.90
90-110	11.71	N.A.	0.10
90-120	11.71	N.A.	0.10
90-130	11.71	N.A.	0.10
90-150	11.71	N.A.	0.10
90-180	11.71	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	16804.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	564.41
10-20	1616.83
20-30	2448.41
30-40	2940.17
40-50	3018.17
50-60	2681.00
60-70	2039.71
70-80	1159.19
80-90	325.28
90-100	11.70
100-110	0.01
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PBL G2 2W HI UV FR 840.IES

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	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PBL G2 2W HI UV FR 840.IES

UGR TABLE - CORRECTED

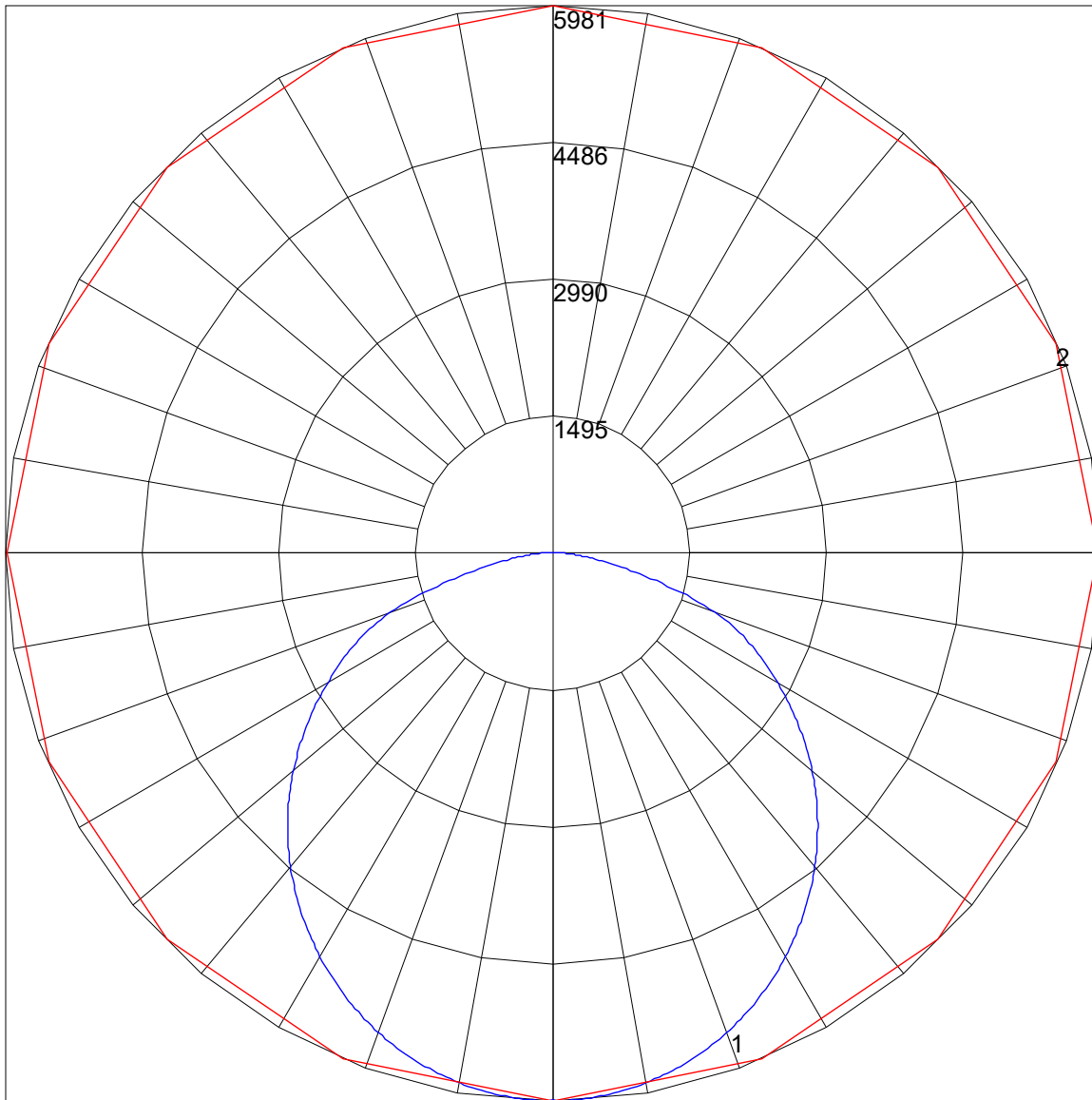
Reflectances

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	22.1	23.7	22.5	24.0	24.4	23.6	25.2	23.9	25.5	25.8
	3H	23.5	25.0	23.9	25.3	25.7	25.6	27.1	26.0	27.4	27.8
	4H	24.0	25.4	24.4	25.8	26.1	26.3	27.7	26.7	28.0	28.4
	6H	24.4	25.7	24.8	26.0	26.4	26.7	28.0	27.1	28.3	28.7
	8H	24.4	25.7	24.9	26.1	26.5	26.8	28.0	27.2	28.4	28.8
	12H	24.5	25.7	24.9	26.1	26.5	26.8	28.0	27.3	28.4	28.8
4H	2H	23.0	24.4	23.4	24.7	25.1	24.1	25.5	24.5	25.9	26.2
	3H	24.7	25.9	25.1	26.3	26.7	26.5	27.6	26.9	28.0	28.4
	4H	25.3	26.4	25.7	26.8	27.2	27.2	28.3	27.7	28.7	29.1
	6H	25.8	26.7	26.2	27.1	27.6	27.7	28.7	28.2	29.1	29.5
	8H	25.9	26.8	26.4	27.2	27.7	27.9	28.7	28.3	29.2	29.6
	12H	26.0	26.8	26.4	27.2	27.7	28.0	28.8	28.5	29.2	29.7
8H	4H	25.9	26.7	26.3	27.2	27.6	27.5	28.4	28.0	28.8	29.3
	6H	26.5	27.2	27.0	27.7	28.2	28.1	28.8	28.6	29.3	29.8
	8H	26.7	27.3	27.2	27.8	28.3	28.3	29.0	28.8	29.5	30.0
	12H	26.8	27.4	27.3	27.9	28.5	28.5	29.1	29.0	29.6	30.1
12H	4H	25.9	26.7	26.4	27.2	27.6	27.5	28.3	28.0	28.8	29.2
	6H	26.6	27.2	27.1	27.7	28.2	28.2	28.8	28.7	29.3	29.8
	8H	26.9	27.4	27.4	27.9	28.5	28.4	29.0	28.9	29.5	30.0

Maximum UGR = 30.1

POLAR GRAPH



Maximum Candela = 5980.957 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.)