



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL V2 4 VH UV FR 840.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001687-020

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 4/19/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] PBL V2 4 VH UV FR 840

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

[MORE] two curved translucent plastic enclosures.

[LAMP] 336 white LEDs, four ULT M900C840D84N2Q LED boards

[BALLAST] Two ULT D21CC80UNVPW-C LED driver labeled at 1980mA

[OTHER] 120.0Vac, 60.00Hz, 1.478A, 177.1W, 0.998PF, 5.0%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	25812
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	177.12
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)	3.80 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	25030	26557	27726
55	22091	25667	27517
65	18334	24786	27063
75	14134	22322	15028
85	9449	15006	11431

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PBL V2 4 VH UV FR 840.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3364.51	N.A.	13.00
0-30	7135.22	N.A.	27.60
0-40	11670.52	N.A.	45.20
0-60	20532.86	N.A.	79.50
0-80	25382.66	N.A.	98.30
0-90	25807.33	N.A.	100.00
10-90	24934.63	N.A.	96.60
20-40	8306.02	N.A.	32.20
20-50	12980.31	N.A.	50.30
40-70	12063.39	N.A.	46.70
60-80	4849.8	N.A.	18.80
70-80	1648.74	N.A.	6.40
80-90	424.67	N.A.	1.60
90-110	4.40	N.A.	0.00
90-120	4.40	N.A.	0.00
90-130	4.40	N.A.	0.00
90-150	4.40	N.A.	0.00
90-180	4.40	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	25811.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	872.69
10-20	2491.81
20-30	3770.71
30-40	4535.3
40-50	4674.3
50-60	4188.04
60-70	3201.06
70-80	1648.74
80-90	424.67
90-100	4.27
100-110	0.12
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 V2 4 VH 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	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	64	58	53	62	57	53	50
5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	46	44
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	61	47	38	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	30	26	24

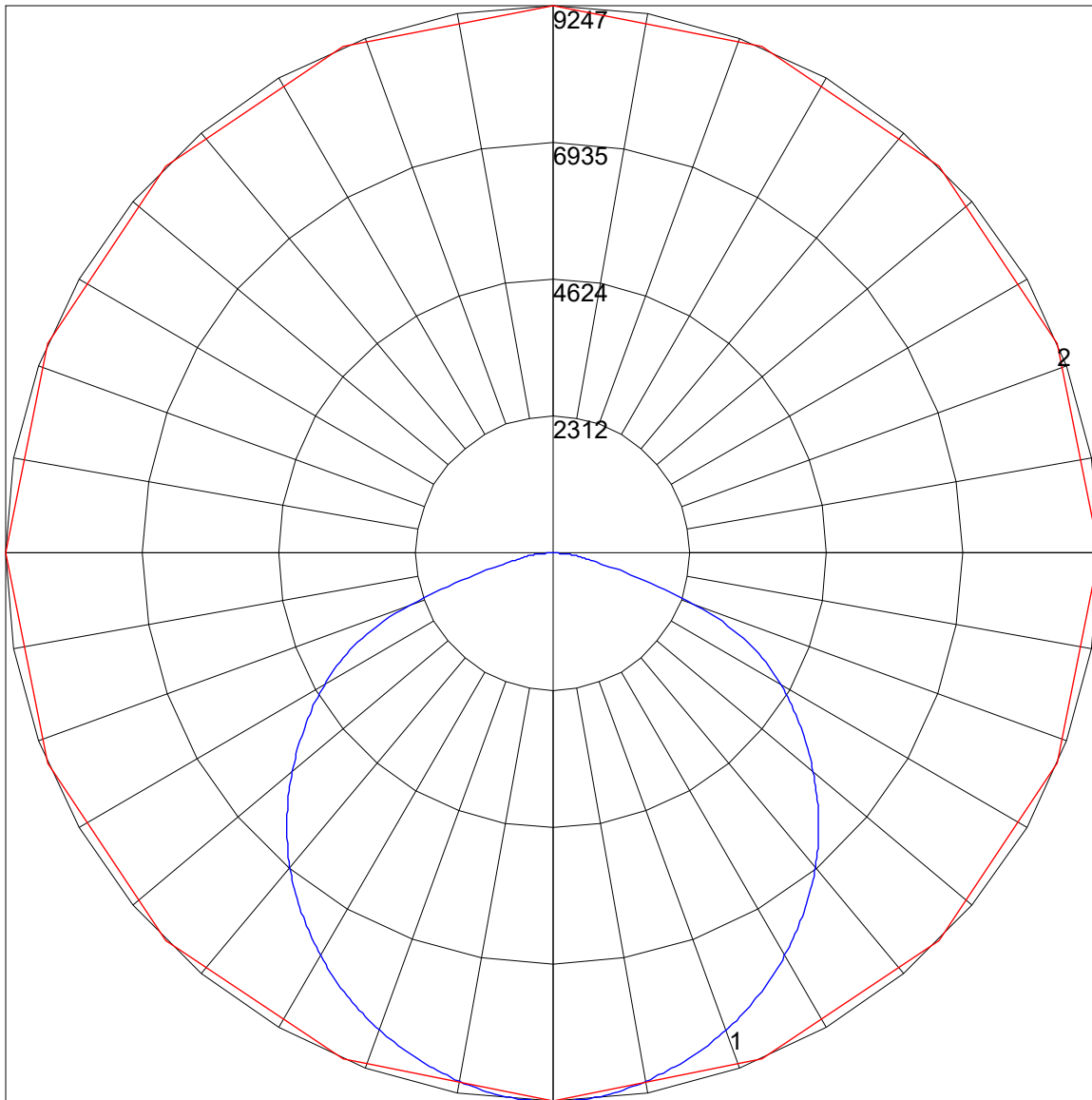
IES INDOOR REPORT
PHOTOMETRIC FILENAME : PBL V2 4 VH UV FR 840.IES

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	22.6	24.2	23.0	24.5	24.9	24.0	25.7	24.4	26.0	26.3
	3H	24.1	25.6	24.5	25.9	26.3	25.9	27.4	26.3	27.7	28.1
	4H	24.7	26.1	25.1	26.4	26.8	26.3	27.7	26.7	28.0	28.4
	6H	25.0	26.3	25.4	26.7	27.1	26.4	27.7	26.8	28.1	28.5
	8H	25.1	26.4	25.6	26.7	27.1	26.5	27.7	26.9	28.1	28.5
	12H	25.2	26.4	25.6	26.7	27.2	26.5	27.7	26.9	28.1	28.5
4H	2H	23.5	24.9	23.9	25.3	25.6	24.6	26.0	25.0	26.4	26.7
	3H	25.3	26.5	25.7	26.9	27.3	26.7	27.9	27.1	28.3	28.7
	4H	26.0	27.0	26.4	27.4	27.9	27.2	28.2	27.6	28.6	29.1
	6H	26.5	27.4	26.9	27.8	28.3	27.4	28.3	27.9	28.8	29.2
	8H	26.6	27.5	27.1	27.9	28.4	27.5	28.3	27.9	28.8	29.2
	12H	26.7	27.5	27.2	28.0	28.4	27.6	28.3	28.0	28.8	29.3
8H	4H	26.4	27.3	26.9	27.7	28.2	27.5	28.3	27.9	28.8	29.2
	6H	27.0	27.8	27.5	28.3	28.7	27.8	28.5	28.3	29.0	29.4
	8H	27.3	27.9	27.8	28.4	28.9	27.9	28.5	28.4	29.0	29.5
	12H	27.5	28.0	28.0	28.5	29.1	28.0	28.6	28.5	29.1	29.6
12H	4H	26.4	27.2	26.9	27.7	28.2	27.5	28.3	28.0	28.7	29.2
	6H	27.1	27.8	27.6	28.2	28.8	27.8	28.5	28.3	28.9	29.5
	8H	27.4	28.0	27.9	28.5	29.0	28.0	28.5	28.5	29.0	29.6

Maximum UGR = 29.6

POLAR GRAPH



Maximum Candela = 9247 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.)