



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL V2 2W SH 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 SH UV FR 840
[LUMINAIRE] High Bay mounted, formed white painted aluminum housing/reflector,
[MORE] four curved translucent plastic enclosures.
[LAMP] 336 white LEDs, four ULT M900C840D84N2Q LED boards
[BALLAST] Two ULT D21CC80UNVPW-D LED drivers labeled at 1710mA
[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	22723
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	151.2
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	29439	31192	32575
55	25448	29405	31677
65	20396	27147	30329
75	14837	23893	20689
85	8069	13406	13363

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2950.02	N.A.	13.00
0-30	6269.29	N.A.	27.60
0-40	10263.05	N.A.	45.20
0-60	18013.43	N.A.	79.30
0-80	22279.48	N.A.	98.00
0-90	22701.32	N.A.	99.90
10-90	21938.51	N.A.	96.50
20-40	7313.03	N.A.	32.20
20-50	11417.22	N.A.	50.20
40-70	10507.57	N.A.	46.20
60-80	4266.04	N.A.	18.80
70-80	1508.86	N.A.	6.60
80-90	421.84	N.A.	1.90
90-110	21.28	N.A.	0.10
90-120	21.28	N.A.	0.10
90-130	21.28	N.A.	0.10
90-150	21.28	N.A.	0.10
90-180	21.28	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	22722.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	762.81
10-20	2187.21
20-30	3319.27
30-40	3993.76
40-50	4104.19
50-60	3646.2
60-70	2757.18
70-80	1508.86
80-90	421.84
90-100	21.20
100-110	0.08
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

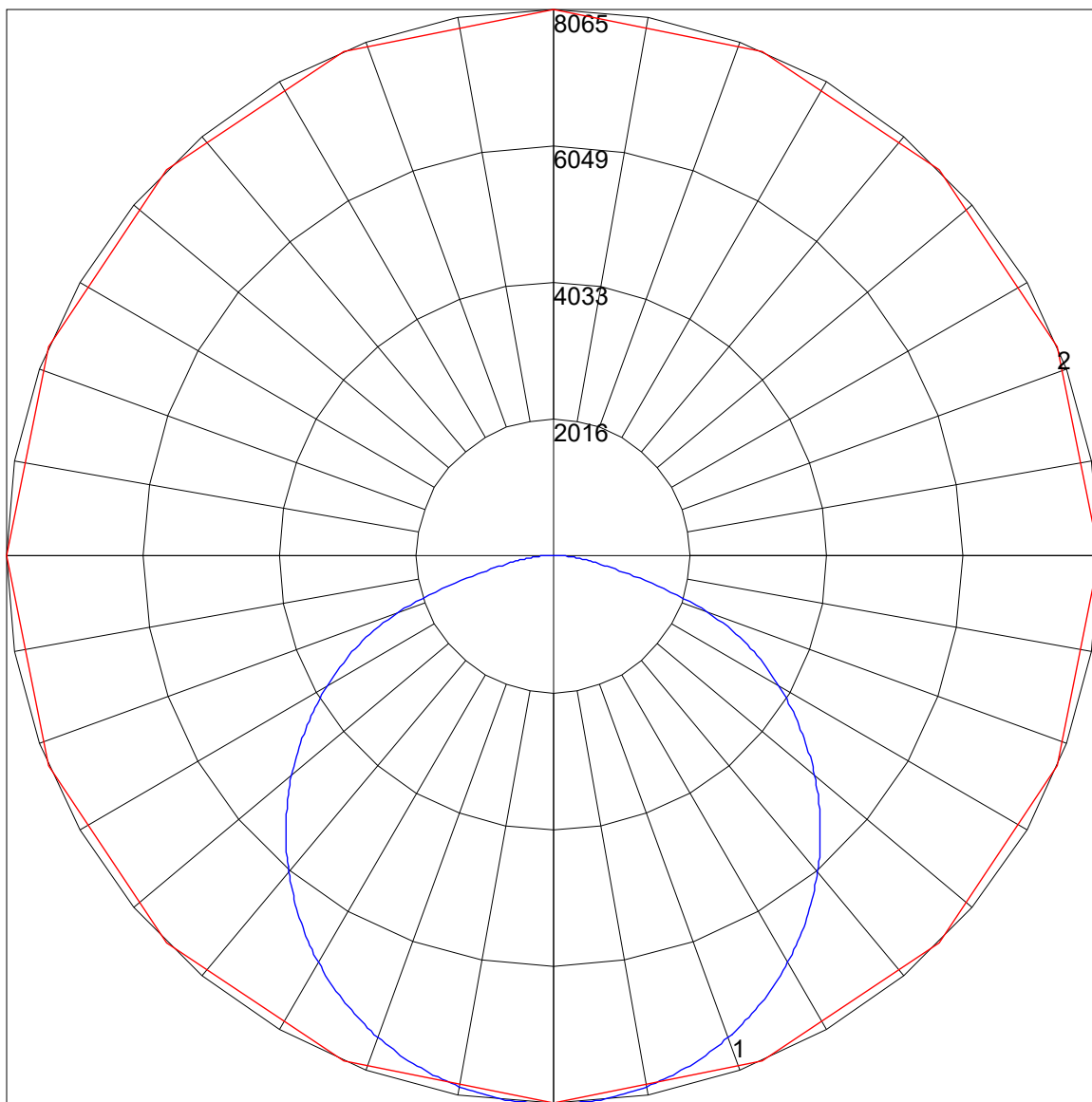
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UGR TABLE - CORRECTED

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	23.0	24.6	23.4	25.0	25.3	24.5	26.1	24.9	26.4	26.8
	3H	24.4	25.9	24.8	26.2	26.6	26.5	27.9	26.8	28.3	28.6
	4H	24.9	26.3	25.3	26.6	27.0	27.0	28.4	27.4	28.7	29.1
	6H	25.2	26.5	25.6	26.8	27.2	27.2	28.5	27.7	28.9	29.3
	8H	25.3	26.5	25.7	26.9	27.3	27.3	28.5	27.7	28.9	29.3
	12H	25.3	26.5	25.7	26.9	27.3	27.4	28.6	27.8	28.9	29.4
4H	2H	23.9	25.3	24.3	25.6	26.0	25.0	26.4	25.4	26.8	27.2
	3H	25.6	26.7	26.0	27.1	27.5	27.2	28.4	27.6	28.8	29.2
	4H	26.1	27.2	26.6	27.6	28.0	27.9	28.9	28.3	29.3	29.8
	6H	26.6	27.5	27.0	27.9	28.4	28.2	29.2	28.7	29.6	30.0
	8H	26.7	27.5	27.1	28.0	28.4	28.3	29.2	28.8	29.6	30.1
	12H	26.7	27.5	27.2	28.0	28.5	28.4	29.2	28.9	29.7	30.1
8H	4H	26.6	27.5	27.1	27.9	28.4	28.1	29.0	28.6	29.4	29.9
	6H	27.2	27.9	27.7	28.4	28.9	28.6	29.3	29.1	29.8	30.3
	8H	27.4	28.0	27.9	28.5	29.0	28.7	29.4	29.2	29.9	30.4
	12H	27.5	28.1	28.0	28.6	29.1	28.9	29.4	29.4	29.9	30.5
12H	4H	26.6	27.4	27.1	27.9	28.4	28.1	28.9	28.6	29.4	29.8
	6H	27.3	27.9	27.8	28.4	28.9	28.6	29.3	29.1	29.7	30.3
	8H	27.5	28.1	28.0	28.6	29.1	28.8	29.4	29.3	29.9	30.4

Maximum UGR = 30.5

POLAR GRAPH



Maximum Candela = 8065.374 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.)