



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : PBL A G2 4N MD UV 850.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001839-001(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 8/26/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] PBL A G2 4N MD UV 850

[LUMINAIRE] Surface/pendant mounted, formed white painted steel housing,

[MORE] formed specular aluminum reflector, no enclosure.

[LAMP] 224 white LEDs, two ULT Everline M12CC850D112N2U LED boards with 112  
[MORE] LEDs each

[BALLAST] One ULT Everline D15CC55UNVPW-C LED driver labeled as 1210mA

[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	10179
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	170
Total Luminaire Watts	59.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.83 ft
Luminous Width (90-270)	0.34 ft
Luminous Height	0.24 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	41325	18691	1157
55	38848	1410	66
65	34319	261	3560
75	25897	2581	4343
85	9520	743	30

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1989.03	N.A.	19.50
0-30	4151.36	N.A.	40.80
0-40	6442.8	N.A.	63.30
0-60	9075.31	N.A.	89.20
0-80	10047.56	N.A.	98.70
0-90	10148.92	N.A.	99.70
10-90	9646.25	N.A.	94.80
20-40	4453.77	N.A.	43.80
20-50	6122.7	N.A.	60.20
40-70	3197.23	N.A.	31.40
60-80	972.25	N.A.	9.60
70-80	407.53	N.A.	4.00
80-90	101.35	N.A.	1.00
90-110	3.54	N.A.	0.00
90-120	6.66	N.A.	0.10
90-130	11.00	N.A.	0.10
90-150	21.20	N.A.	0.20
90-180	29.74	N.A.	0.30
110-180	26.20	N.A.	0.30
0-180	10178.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	502.66
10-20	1486.36
20-30	2162.33
30-40	2291.44
40-50	1668.92
50-60	963.59
60-70	564.72
70-80	407.53
80-90	101.35
90-100	1.85
100-110	1.69
110-120	3.12
120-130	4.34
130-140	5.06
140-150	5.14
150-160	4.59
160-170	2.93
170-180	1.02

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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	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88
2	102	96	90	85	100	94	89	84	90	86	82	87	83	80	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67
4	88	78	70	65	86	77	70	64	74	68	63	72	67	62	70	65	62	60
5	82	71	63	57	80	70	63	57	68	61	56	66	60	56	64	59	55	53
6	77	65	57	51	75	64	56	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	51	46	57	51	46	56	50	46	55	49	45	43
8	67	55	47	42	66	54	47	42	53	46	42	52	46	41	51	45	41	39
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

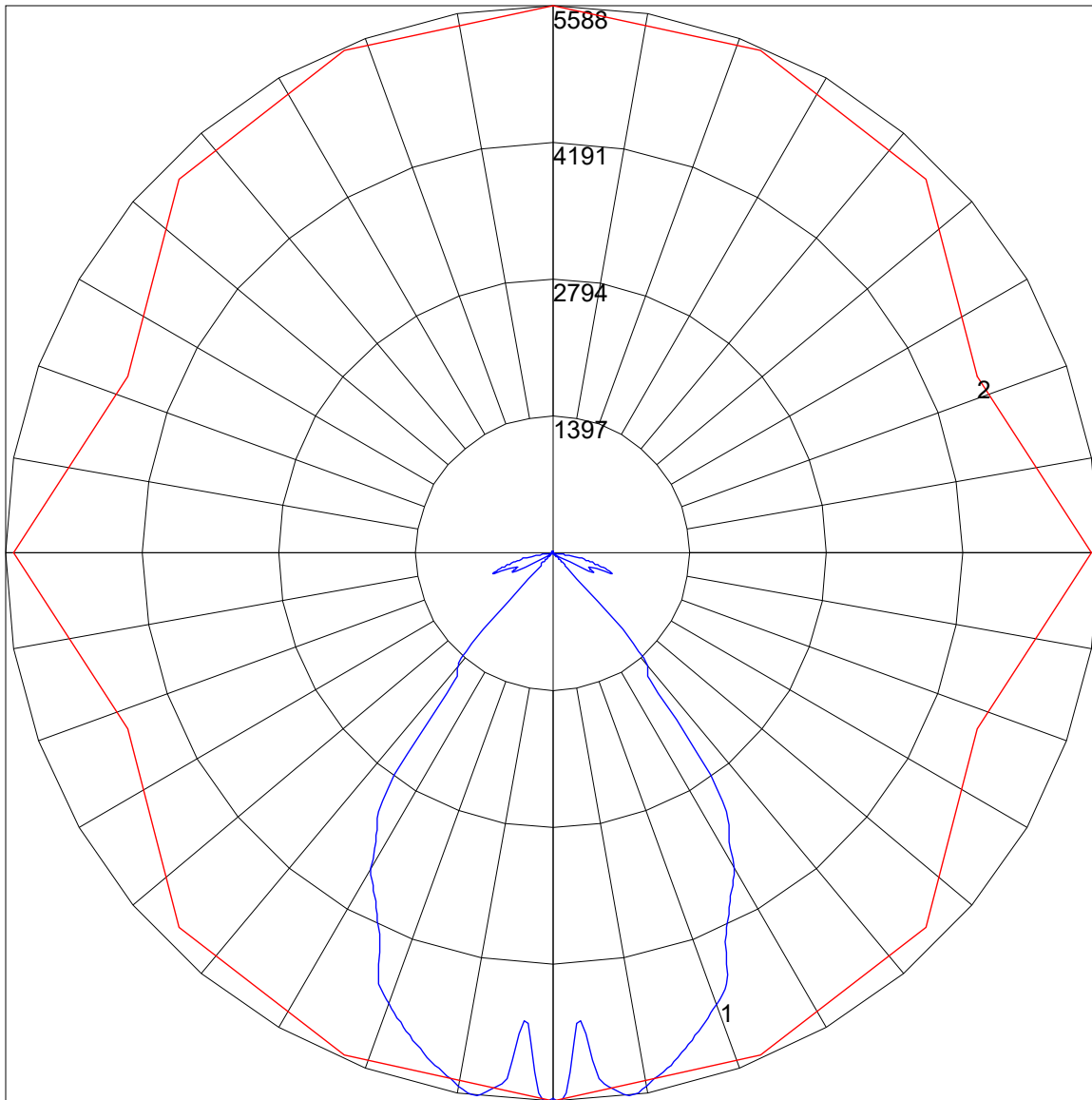
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**UGR TABLE - CORRECTED**

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	23.1	24.5	23.5	24.8	25.1	8.1	8.1	8.1	8.1	8.1
	3H	23.7	25.0	24.1	25.3	25.7	14.1	15.4	14.5	15.7	16.1
	4H	24.0	25.2	24.5	25.6	26.0	18.0	19.1	18.4	19.5	19.9
	6H	24.2	25.3	24.7	25.7	26.1	19.5	20.5	19.9	20.9	21.3
	8H	24.3	25.3	24.7	25.7	26.1	19.6	20.6	20.0	21.0	21.4
	12H	24.3	25.2	24.7	25.6	26.1	19.5	20.5	20.0	20.9	21.4
4H	2H	22.9	24.0	23.3	24.4	24.8	8.1	8.1	8.1	8.1	8.1
	3H	23.5	24.5	24.0	24.9	25.3	14.8	15.8	15.2	16.2	16.6
	4H	23.8	24.7	24.3	25.1	25.6	18.8	19.7	19.3	20.1	20.6
	6H	24.1	24.8	24.5	25.3	25.8	20.4	21.1	20.9	21.6	22.1
	8H	24.1	24.8	24.6	25.3	25.8	20.5	21.2	21.0	21.7	22.2
	12H	24.1	24.8	24.7	25.3	25.8	20.5	21.1	21.0	21.6	22.1
8H	4H	23.8	24.5	24.3	24.9	25.4	19.1	19.7	19.5	20.2	20.7
	6H	24.0	24.6	24.5	25.1	25.6	20.7	21.3	21.2	21.8	22.3
	8H	24.1	24.6	24.6	25.1	25.6	20.9	21.4	21.4	21.9	22.4
	12H	24.2	24.6	24.7	25.1	25.7	20.9	21.3	21.4	21.8	22.4
12H	4H	23.7	24.4	24.3	24.9	25.4	19.0	19.6	19.5	20.1	20.6
	6H	24.0	24.5	24.6	25.0	25.6	20.7	21.2	21.3	21.7	22.3
	8H	24.1	24.6	24.6	25.1	25.7	20.9	21.3	21.4	21.9	22.4

Maximum UGR = 26.1

POLAR GRAPH



Maximum Candela = 5588.029 Located At Horizontal Angle = 90, Vertical Angle = 8.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (8.5) (Through Max. Cd.)