



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 4 SH UV FA 935.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001796-019A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 7/8/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] WV L G2 4 SH UV FA 935

[LUMINAIRE] Surface/pendant mounted, formed white plastic housing, formed
[MORE] white painted steel LED tray/reflector, translucent drop plastic lens with
[MORE] linear prisms on the sides.

[LAMP] 672 white LEDs on eight LS3872A10-3500K-R90 LED boards with 84 LEDs
[MORE] each.

[BALLAST] Four ULT Everline D21CC80UNVPW-C LED drivers at 1400mA

[OTHER] 120.0Vac, 60.00Hz, 2.042A, 244.3W, 0.997PF, 6.4%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	35436
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	244.27
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.29 ft
Luminous Width (90-270)	1.18 ft
Luminous Height	0.23 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	22244	20087	19480
55	19592	17112	17135
65	16477	14225	15088
75	13112	11598	13004
85	8477	8737	10694

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4476.17	N.A.	12.60
0-30	9507.72	N.A.	26.80
0-40	15509.49	N.A.	43.80
0-60	26698.17	N.A.	75.30
0-80	33070.16	N.A.	93.30
0-90	34230.24	N.A.	96.60
10-90	33073.72	N.A.	93.30
20-40	11033.33	N.A.	31.10
20-50	17044.63	N.A.	48.10
40-70	15089.9	N.A.	42.60
60-80	6371.99	N.A.	18.00
70-80	2470.77	N.A.	7.00
80-90	1160.08	N.A.	3.30
90-110	783.76	N.A.	2.20
90-120	994.70	N.A.	2.80
90-130	1122.78	N.A.	3.20
90-150	1204.24	N.A.	3.40
90-180	1205.83	N.A.	3.40
110-180	422.07	N.A.	1.20
0-180	35436.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1156.52
10-20	3319.65
20-30	5031.56
30-40	6001.77
40-50	6011.3
50-60	5177.38
60-70	3901.22
70-80	2470.78
80-90	1160.08
90-100	481.67
100-110	302.10
110-120	210.94
120-130	128.08
130-140	62.28
140-150	19.17
150-160	1.60
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	107	102	98	94	104	100	96	92	95	92	89	90	88	85	86	84	82	80
2	98	89	82	77	95	87	81	75	83	78	73	79	75	71	76	72	69	66
3	89	78	70	64	86	77	69	63	73	67	61	70	64	60	67	62	58	56
4	82	70	61	54	79	68	60	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	47	73	61	53	46	58	51	45	56	50	45	54	48	44	42
6	69	56	47	41	67	55	47	40	53	45	40	51	44	39	49	43	39	36
7	64	51	42	36	62	50	42	36	48	41	35	46	40	35	45	39	34	32
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	41	35	31	29
9	56	43	34	29	54	42	34	29	41	33	28	39	33	28	38	32	28	26
10	53	39	31	26	51	39	31	26	37	31	26	36	30	26	35	29	25	24

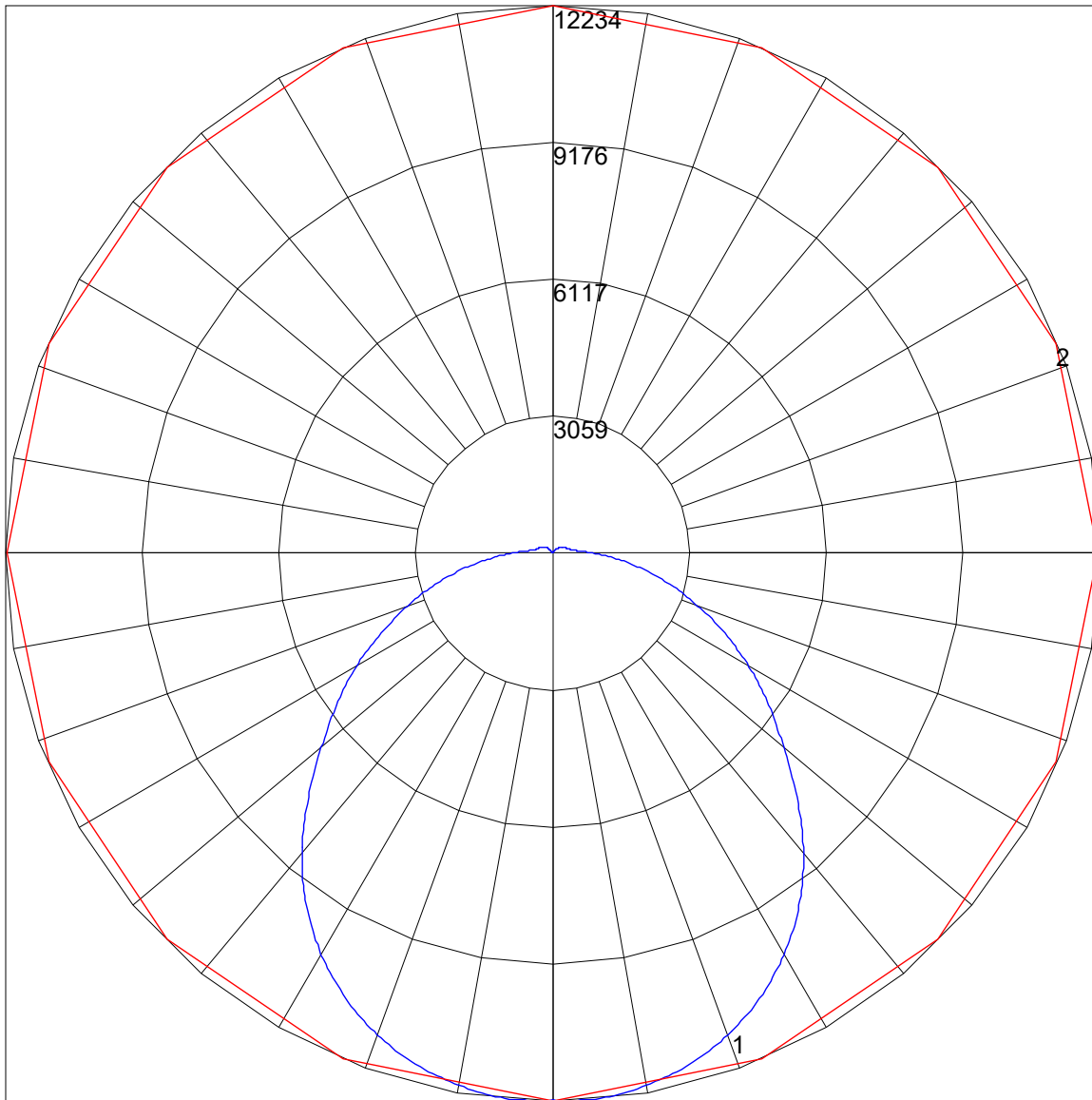
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UGR TABLE - CORRECTED

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	21.2	22.7	21.6	23.1	23.5	21.9	23.4	22.3	23.8	24.2
	3H	22.6	24.0	23.1	24.4	24.9	23.8	25.2	24.3	25.6	26.1
	4H	23.1	24.5	23.6	24.9	25.4	24.7	26.0	25.1	26.4	26.9
	6H	23.5	24.7	23.9	25.1	25.6	25.5	26.7	25.9	27.1	27.6
	8H	23.6	24.7	24.1	25.2	25.7	25.8	27.0	26.3	27.5	28.0
	12H	23.6	24.7	24.1	25.2	25.7	26.1	27.3	26.6	27.7	28.3
4H	2H	21.8	23.1	22.2	23.5	24.0	22.3	23.6	22.8	24.1	24.5
	3H	23.5	24.6	23.9	25.0	25.5	24.5	25.6	25.0	26.1	26.6
	4H	24.1	25.1	24.6	25.6	26.1	25.5	26.5	26.0	27.0	27.6
	6H	24.5	25.4	25.1	25.9	26.5	26.5	27.4	27.0	27.9	28.4
	8H	24.7	25.5	25.2	26.0	26.6	26.9	27.7	27.4	28.3	28.8
	12H	24.8	25.5	25.3	26.0	26.6	27.3	28.1	27.9	28.6	29.2
8H	4H	24.5	25.3	25.0	25.8	26.4	25.8	26.6	26.3	27.1	27.7
	6H	25.0	25.7	25.6	26.3	26.9	26.8	27.5	27.4	28.1	28.7
	8H	25.2	25.9	25.8	26.4	27.0	27.4	28.0	28.0	28.6	29.2
	12H	25.4	25.9	25.9	26.5	27.1	27.9	28.5	28.5	29.1	29.7
12H	4H	24.6	25.3	25.1	25.8	26.4	25.8	26.5	26.3	27.1	27.6
	6H	25.2	25.8	25.8	26.3	27.0	26.9	27.5	27.5	28.1	28.7
	8H	25.4	26.0	26.0	26.5	27.2	27.5	28.0	28.0	28.6	29.2

Maximum UGR = 29.7

POLAR GRAPH



Maximum Candela = 12234.42 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)