



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 4 MD UV FA 930.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 MD UV FA 930

[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] 336 white LEDs on four LS3872A10-3000K-R90 LED boards with 84 LEDs  
[MORE] each.

[BALLAST] Two ULT Everline D21CC80UNVPW-C LED drivers at 1920mA

[OTHER] 120.0Vac

[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	23588
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	171.7
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	14807	13370	12966
55	13041	11391	11406
65	10968	9469	10043
75	8728	7720	8656
85	5643	5816	7118

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2979.53	N.A.	12.60
0-30	6328.75	N.A.	26.80
0-40	10323.79	N.A.	43.80
0-60	17771.46	N.A.	75.30
0-80	22012.94	N.A.	93.30
0-90	22785.13	N.A.	96.60
10-90	22015.3	N.A.	93.30
20-40	7344.26	N.A.	31.10
20-50	11345.64	N.A.	48.10
40-70	10044.49	N.A.	42.60
60-80	4241.48	N.A.	18.00
70-80	1644.66	N.A.	7.00
80-90	772.20	N.A.	3.30
90-110	521.71	N.A.	2.20
90-120	662.12	N.A.	2.80
90-130	747.37	N.A.	3.20
90-150	801.59	N.A.	3.40
90-180	802.65	N.A.	3.40
110-180	280.95	N.A.	1.20
0-180	23587.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	769.83
10-20	2209.7
20-30	3349.22
30-40	3995.04
40-50	4001.38
50-60	3446.29
60-70	2596.82
70-80	1644.66
80-90	772.20
90-100	320.62
100-110	201.09
110-120	140.41
120-130	85.25
130-140	41.46
140-150	12.76
150-160	1.06
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

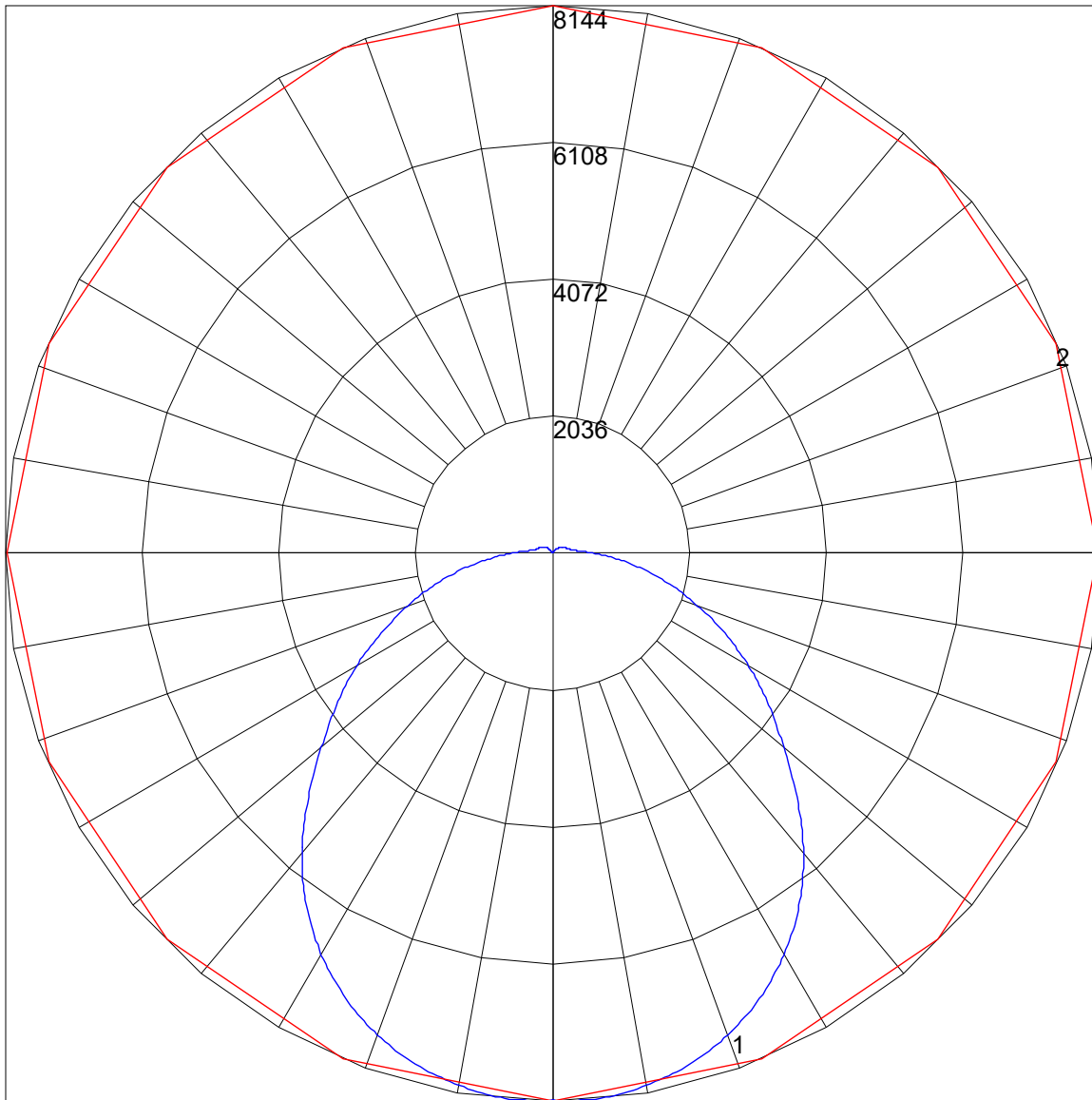
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**UGR TABLE - CORRECTED**

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	19.8	21.3	20.2	21.7	22.1	20.5	22.0	20.9	22.4	22.8
	3H	21.2	22.6	21.7	23.0	23.5	22.4	23.8	22.9	24.2	24.7
	4H	21.7	23.1	22.2	23.5	24.0	23.3	24.6	23.7	25.0	25.5
	6H	22.1	23.3	22.5	23.7	24.2	24.1	25.3	24.5	25.7	26.2
	8H	22.2	23.3	22.7	23.8	24.3	24.4	25.6	24.9	26.1	26.6
	12H	22.2	23.3	22.7	23.8	24.3	24.7	25.9	25.2	26.3	26.9
4H	2H	20.4	21.7	20.8	22.1	22.6	20.9	22.2	21.4	22.7	23.1
	3H	22.1	23.2	22.5	23.6	24.1	23.1	24.2	23.6	24.7	25.2
	4H	22.7	23.7	23.2	24.2	24.7	24.1	25.1	24.6	25.6	26.2
	6H	23.1	24.0	23.7	24.5	25.1	25.1	26.0	25.6	26.5	27.0
	8H	23.3	24.1	23.8	24.6	25.2	25.5	26.3	26.0	26.9	27.4
	12H	23.4	24.1	23.9	24.6	25.2	25.9	26.7	26.5	27.2	27.8
8H	4H	23.1	23.9	23.6	24.4	25.0	24.4	25.2	24.9	25.7	26.3
	6H	23.6	24.3	24.2	24.9	25.5	25.4	26.1	26.0	26.7	27.3
	8H	23.8	24.5	24.4	25.0	25.6	26.0	26.6	26.6	27.2	27.8
	12H	24.0	24.5	24.5	25.1	25.7	26.5	27.1	27.1	27.7	28.3
12H	4H	23.2	23.9	23.7	24.4	25.0	24.4	25.1	24.9	25.7	26.2
	6H	23.8	24.4	24.4	24.9	25.6	25.5	26.1	26.1	26.7	27.3
	8H	24.0	24.6	24.6	25.1	25.8	26.1	26.6	26.6	27.2	27.8

Maximum UGR = 28.3

POLAR GRAPH



Maximum Candela = 8143.761 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.)