



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 4 HI UV FA 930.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001796-019A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 7/8/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] WV L G2 4 HI 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] 504 white LEDs on six LS3872A10-3000K-R90 LED boards with 84 LEDs

[MORE] each.

[BALLAST] Two ULT Everline D28CC95UVPA12-F LED drivers at 2180mA

[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	27424
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	189.2
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	17215	15545	15075
55	15162	13243	13261
65	12752	11009	11677
75	10147	8975	10064
85	6560	6762	8276

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3464.12	N.A.	12.60
0-30	7358.06	N.A.	26.80
0-40	12002.84	N.A.	43.80
0-60	20661.79	N.A.	75.30
0-80	25593.1	N.A.	93.30
0-90	26490.89	N.A.	96.60
10-90	25595.85	N.A.	93.30
20-40	8538.72	N.A.	31.10
20-50	13190.89	N.A.	48.10
40-70	11678.12	N.A.	42.60
60-80	4931.31	N.A.	18.00
70-80	1912.14	N.A.	7.00
80-90	897.79	N.A.	3.30
90-110	606.56	N.A.	2.20
90-120	769.81	N.A.	2.80
90-130	868.93	N.A.	3.20
90-150	931.96	N.A.	3.40
90-180	933.20	N.A.	3.40
110-180	326.64	N.A.	1.20
0-180	27424.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	895.03
10-20	2569.08
20-30	3893.94
30-40	4644.79
40-50	4652.17
50-60	4006.79
60-70	3019.17
70-80	1912.14
80-90	897.79
90-100	372.76
100-110	233.79
110-120	163.25
120-130	99.12
130-140	48.20
140-150	14.84
150-160	1.24
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**

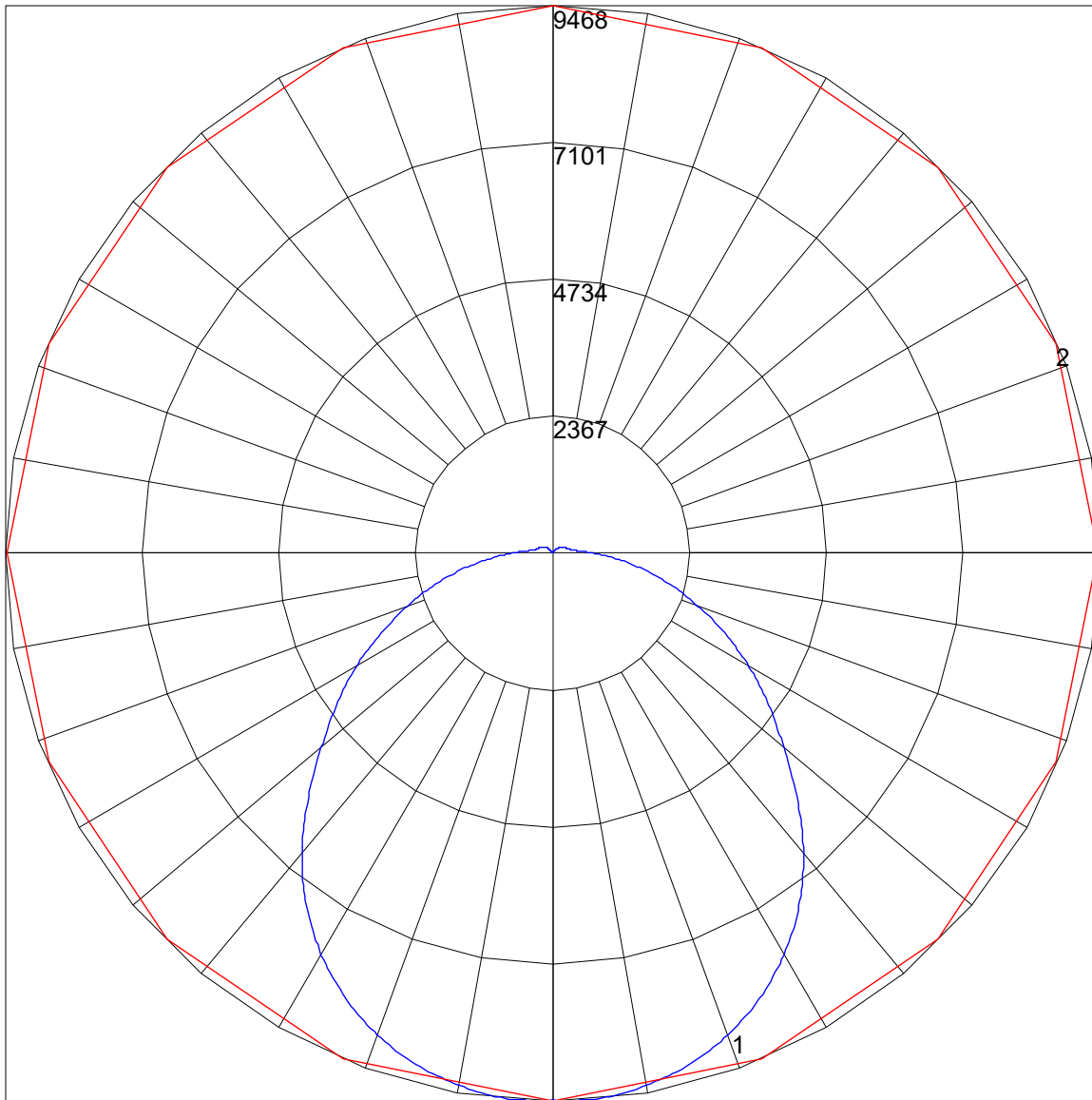
Reflectances

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	20.3	21.8	20.7	22.2	22.6	21.0	22.5	21.4	22.9	23.3
	3H	21.7	23.1	22.2	23.5	24.0	22.9	24.3	23.4	24.7	25.2
	4H	22.2	23.6	22.7	24.0	24.5	23.8	25.1	24.2	25.5	26.0
	6H	22.6	23.8	23.0	24.2	24.7	24.6	25.8	25.0	26.2	26.7
	8H	22.7	23.8	23.2	24.3	24.8	24.9	26.1	25.4	26.6	27.1
	12H	22.7	23.8	23.2	24.3	24.8	25.2	26.4	25.7	26.8	27.4
4H	2H	20.9	22.2	21.3	22.6	23.1	21.4	22.7	21.9	23.2	23.6
	3H	22.6	23.7	23.0	24.1	24.6	23.6	24.7	24.1	25.2	25.7
	4H	23.2	24.2	23.7	24.7	25.2	24.6	25.6	25.1	26.1	26.7
	6H	23.6	24.5	24.2	25.0	25.6	25.6	26.5	26.1	27.0	27.5
	8H	23.8	24.6	24.3	25.1	25.7	26.0	26.8	26.5	27.4	27.9
	12H	23.9	24.6	24.4	25.1	25.7	26.4	27.2	27.0	27.7	28.3
8H	4H	23.6	24.4	24.1	24.9	25.5	24.9	25.7	25.4	26.2	26.8
	6H	24.1	24.8	24.7	25.4	26.0	25.9	26.6	26.5	27.2	27.8
	8H	24.3	25.0	24.9	25.5	26.1	26.5	27.1	27.1	27.7	28.3
	12H	24.5	25.0	25.0	25.6	26.2	27.0	27.6	27.6	28.2	28.8
12H	4H	23.7	24.4	24.2	24.9	25.5	24.9	25.6	25.4	26.2	26.7
	6H	24.3	24.9	24.9	25.4	26.1	26.0	26.6	26.6	27.2	27.8
	8H	24.5	25.1	25.1	25.6	26.3	26.6	27.1	27.1	27.7	28.3

Maximum UGR = 28.8

POLAR GRAPH



Maximum Candela = 9468.255 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.)