



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 4 VH UV FA 950.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 VH UV FA 950

[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 LS3872A10-5000K-R90 LED boards with 84 LEDs  
[MORE] each.

[BALLAST] Three ULT Everline D21CC80UNVPW-C LED drivers at 1680mA

[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	32277
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	222.6
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	20262	18296	17743
55	17845	15587	15608
65	15008	12957	13743
75	11943	10564	11845
85	7721	7958	9740

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4077.14	N.A.	12.60
0-30	8660.16	N.A.	26.80
0-40	14126.91	N.A.	43.80
0-60	24318.18	N.A.	75.30
0-80	30122.14	N.A.	93.30
0-90	31178.81	N.A.	96.60
10-90	30125.38	N.A.	93.30
20-40	10049.77	N.A.	31.10
20-50	15525.19	N.A.	48.10
40-70	13744.72	N.A.	42.60
60-80	5803.97	N.A.	18.00
70-80	2250.52	N.A.	7.00
80-90	1056.66	N.A.	3.30
90-110	713.89	N.A.	2.20
90-120	906.03	N.A.	2.80
90-130	1022.69	N.A.	3.20
90-150	1096.89	N.A.	3.40
90-180	1098.34	N.A.	3.40
110-180	384.44	N.A.	1.20
0-180	32277.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1053.42
10-20	3023.72
20-30	4583.02
30-40	5466.74
40-50	5475.43
50-60	4715.84
60-70	3553.45
70-80	2250.52
80-90	1056.66
90-100	438.73
100-110	275.17
110-120	192.14
120-130	116.66
130-140	56.73
140-150	17.46
150-160	1.45
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

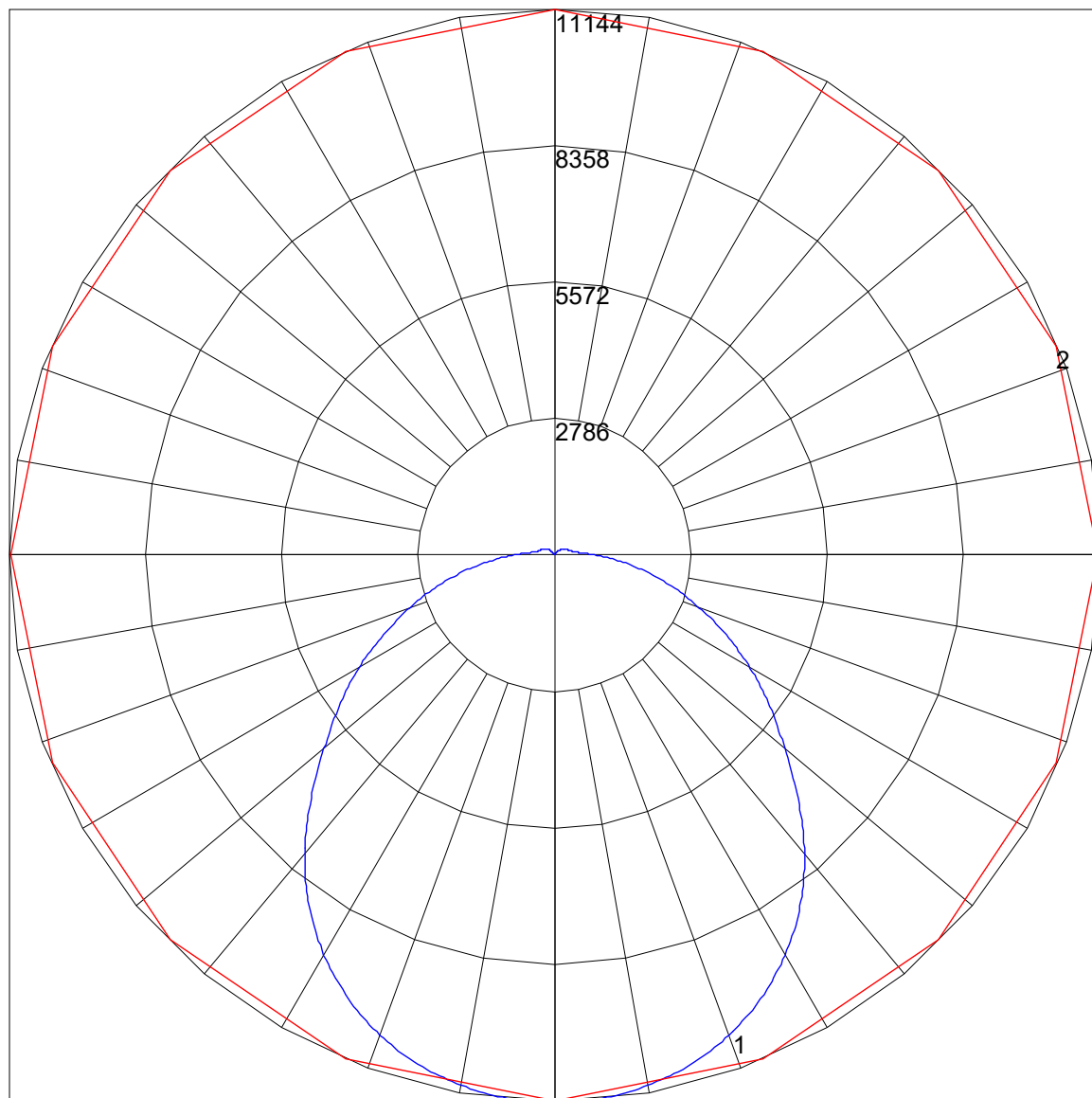
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**UGR TABLE - CORRECTED**

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	20.9	22.4	21.3	22.8	23.2	21.6	23.1	22.0	23.5	23.9
	3H	22.3	23.7	22.8	24.1	24.6	23.5	24.9	24.0	25.3	25.8
	4H	22.8	24.2	23.3	24.6	25.1	24.4	25.7	24.8	26.1	26.6
	6H	23.2	24.4	23.6	24.8	25.3	25.2	26.4	25.6	26.8	27.3
	8H	23.3	24.4	23.8	24.9	25.4	25.5	26.7	26.0	27.2	27.7
	12H	23.3	24.4	23.8	24.9	25.4	25.8	27.0	26.3	27.4	28.0
4H	2H	21.5	22.8	21.9	23.2	23.7	22.0	23.3	22.5	23.8	24.2
	3H	23.2	24.3	23.6	24.7	25.2	24.2	25.3	24.7	25.8	26.3
	4H	23.8	24.8	24.3	25.3	25.8	25.2	26.2	25.7	26.7	27.3
	6H	24.2	25.1	24.8	25.6	26.2	26.2	27.1	26.7	27.6	28.1
	8H	24.4	25.2	24.9	25.7	26.3	26.6	27.4	27.1	28.0	28.5
	12H	24.5	25.2	25.0	25.7	26.3	27.0	27.8	27.6	28.3	28.9
8H	4H	24.2	25.0	24.7	25.5	26.1	25.5	26.3	26.0	26.8	27.4
	6H	24.7	25.4	25.3	26.0	26.6	26.5	27.2	27.1	27.8	28.4
	8H	24.9	25.6	25.5	26.1	26.7	27.1	27.7	27.7	28.3	28.9
	12H	25.1	25.6	25.6	26.2	26.8	27.6	28.2	28.2	28.8	29.4
12H	4H	24.3	25.0	24.8	25.5	26.1	25.5	26.2	26.0	26.8	27.3
	6H	24.9	25.5	25.5	26.0	26.7	26.6	27.2	27.2	27.8	28.4
	8H	25.1	25.7	25.7	26.2	26.9	27.2	27.7	27.7	28.3	28.9

Maximum UGR = 29.4

POLAR GRAPH



Maximum Candela = 11143.79 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.)