



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 4 VH 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 VH 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] 504 white LEDs on six LS3872A10-3500K-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	31528
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
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	19791	17871	17331
55	17431	15225	15246
65	14660	12656	13424
75	11666	10319	11570
85	7542	7774	9514

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3982.55	N.A.	12.60
0-30	8459.25	N.A.	26.80
0-40	13799.16	N.A.	43.80
0-60	23754.00	N.A.	75.30
0-80	29423.31	N.A.	93.30
0-90	30455.46	N.A.	96.60
10-90	29426.48	N.A.	93.30
20-40	9816.61	N.A.	31.10
20-50	15165.01	N.A.	48.10
40-70	13425.84	N.A.	42.60
60-80	5669.31	N.A.	18.00
70-80	2198.31	N.A.	7.00
80-90	1032.15	N.A.	3.30
90-110	697.33	N.A.	2.20
90-120	885.01	N.A.	2.80
90-130	998.97	N.A.	3.20
90-150	1071.44	N.A.	3.40
90-180	1072.86	N.A.	3.40
110-180	375.53	N.A.	1.20
0-180	31528.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1028.98
10-20	2953.57
20-30	4476.7
30-40	5339.92
40-50	5348.4
50-60	4606.44
60-70	3471.01
70-80	2198.31
80-90	1032.15
90-100	428.55
100-110	268.78
110-120	187.68
120-130	113.95
130-140	55.41
140-150	17.06
150-160	1.42
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**

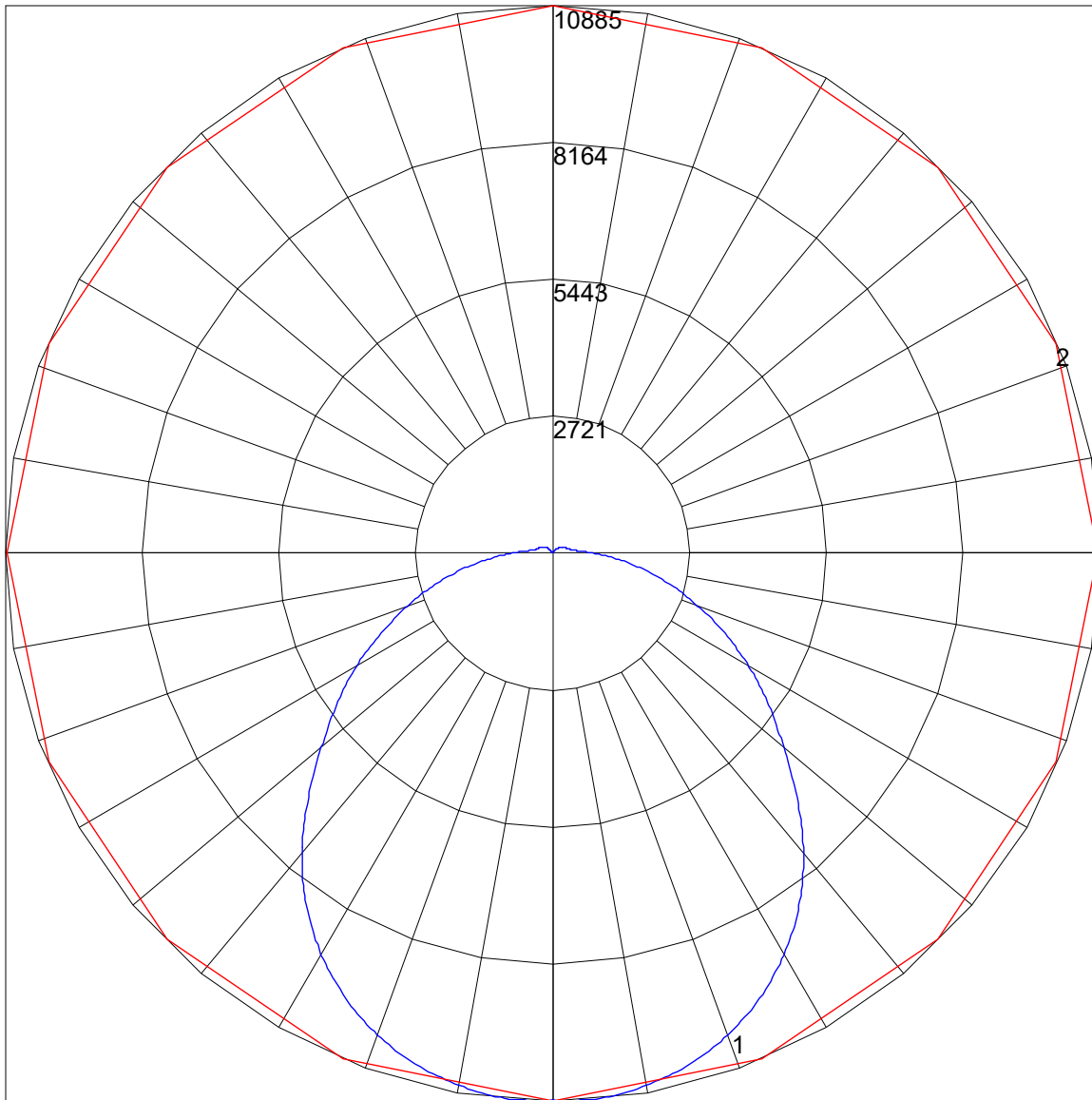
Reflectances

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	20.8	22.3	21.2	22.7	23.1	21.5	23.0	21.9	23.4	23.8
	3H	22.2	23.6	22.7	24.0	24.5	23.4	24.8	23.9	25.2	25.7
	4H	22.7	24.1	23.2	24.5	25.0	24.3	25.6	24.7	26.0	26.5
	6H	23.1	24.3	23.5	24.7	25.2	25.1	26.3	25.5	26.7	27.2
	8H	23.2	24.3	23.7	24.8	25.3	25.4	26.6	25.9	27.1	27.6
	12H	23.2	24.3	23.7	24.8	25.3	25.7	26.9	26.2	27.3	27.9
4H	2H	21.4	22.7	21.8	23.1	23.6	21.9	23.2	22.4	23.7	24.1
	3H	23.1	24.2	23.5	24.6	25.1	24.1	25.2	24.6	25.7	26.2
	4H	23.7	24.7	24.2	25.2	25.7	25.1	26.1	25.6	26.6	27.2
	6H	24.1	25.0	24.7	25.5	26.1	26.1	27.0	26.6	27.5	28.0
	8H	24.3	25.1	24.8	25.6	26.2	26.5	27.3	27.0	27.9	28.4
	12H	24.4	25.1	24.9	25.6	26.2	26.9	27.7	27.5	28.2	28.8
8H	4H	24.1	24.9	24.6	25.4	26.0	25.4	26.2	25.9	26.7	27.3
	6H	24.6	25.3	25.2	25.9	26.5	26.4	27.1	27.0	27.7	28.3
	8H	24.8	25.5	25.4	26.0	26.6	27.0	27.6	27.6	28.2	28.8
	12H	25.0	25.5	25.5	26.1	26.7	27.5	28.1	28.1	28.7	29.3
12H	4H	24.2	24.9	24.7	25.4	26.0	25.4	26.1	25.9	26.7	27.2
	6H	24.8	25.4	25.4	25.9	26.6	26.5	27.1	27.1	27.7	28.3
	8H	25.0	25.6	25.6	26.1	26.8	27.1	27.6	27.6	28.2	28.8

Maximum UGR = 29.3

POLAR GRAPH



Maximum Candela = 10885.255 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.)