



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 2 HI UV FA 935.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001796-015(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 7/8/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] WV L G2 2 HI UV FA 935

[LUMINAIRE] Surface/pendant mounted, formed white plastic housing, formed

[MORE] white painted steel LED tray/reflector, translucent drop plastic lens.

[LAMP] 336 white LEDs on four LS3872A10-3500K-R90 LED boards with 84 LEDs

[MORE] each.

[BALLAST] Two ULT Everline D21CC80UNVPW-C LED drivers at 1570mA

[OTHER] 120.0Vac, 60.00Hz, 1.157A, 138.5W, 0.997PF, 6.2%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	19610
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	138.48
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)	2.20 ft
Luminous Width (90-270)	1.20 ft
Luminous Height	0.23 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	22225	20712	21223
55	19646	18059	19117
65	16827	15119	16456
75	13750	11824	13395
85	9109	8378	9844

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2439.34	N.A.	12.40
0-30	5178.06	N.A.	26.40
0-40	8454.51	N.A.	43.10
0-60	14741.15	N.A.	75.20
0-80	18411.32	N.A.	93.90
0-90	19066.55	N.A.	97.20
10-90	18435.96	N.A.	94.00
20-40	6015.16	N.A.	30.70
20-50	9351.35	N.A.	47.70
40-70	8539.03	N.A.	43.50
60-80	3670.17	N.A.	18.70
70-80	1417.79	N.A.	7.20
80-90	655.23	N.A.	3.30
90-110	392.55	N.A.	2.00
90-120	476.62	N.A.	2.40
90-130	520.62	N.A.	2.70
90-150	542.77	N.A.	2.80
90-180	543.68	N.A.	2.80
110-180	151.12	N.A.	0.80
0-180	19610.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	630.59
10-20	1808.76
20-30	2738.71
30-40	3276.45
40-50	3336.19
50-60	2950.45
60-70	2252.38
70-80	1417.79
80-90	655.23
90-100	256.50
100-110	136.06
110-120	84.07
120-130	44.00
130-140	17.27
140-150	4.88
150-160	0.91
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	110	110	110	104	104	104	99	99	99	97
1	107	102	98	94	104	100	96	92	95	92	89	91	88	85	87	84	82	80
2	98	89	82	76	95	87	81	75	83	78	73	79	75	71	76	72	69	66
3	89	78	70	63	86	76	69	63	73	66	61	70	64	60	67	62	58	56
4	81	69	60	54	79	68	59	53	65	58	52	62	56	51	60	54	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	51	42	36	62	50	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	38	32	58	45	37	32	44	36	31	42	36	31	41	35	30	29
9	56	42	34	29	54	42	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

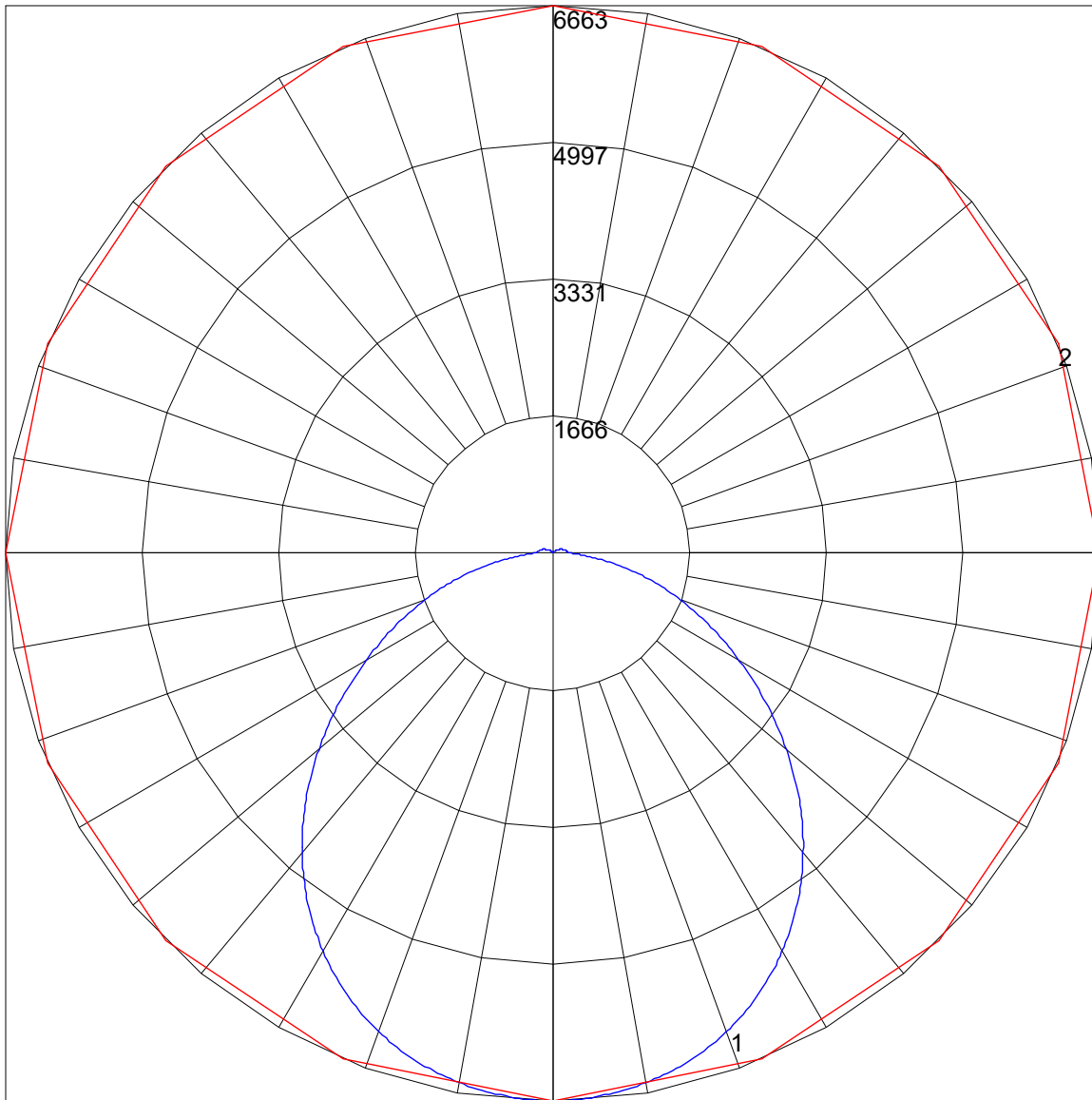
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**UGR TABLE - CORRECTED**

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	21.5	23.0	21.9	23.4	23.8	22.1	23.7	22.6	24.1	24.5
	3H	23.1	24.5	23.5	24.9	25.3	24.0	25.4	24.4	25.8	26.2
	4H	23.7	25.0	24.1	25.4	25.9	24.7	26.0	25.1	26.5	26.9
	6H	24.1	25.3	24.5	25.8	26.2	25.3	26.6	25.8	27.0	27.5
	8H	24.2	25.4	24.7	25.9	26.3	25.6	26.8	26.0	27.2	27.7
	12H	24.3	25.5	24.8	25.9	26.4	25.8	26.9	26.2	27.4	27.9
4H	2H	22.1	23.4	22.5	23.8	24.3	22.6	24.0	23.1	24.4	24.8
	3H	23.9	25.0	24.4	25.5	26.0	24.7	25.8	25.1	26.3	26.7
	4H	24.6	25.7	25.1	26.1	26.6	25.5	26.6	26.0	27.0	27.6
	6H	25.2	26.1	25.7	26.6	27.1	26.3	27.2	26.8	27.7	28.2
	8H	25.4	26.2	25.9	26.7	27.2	26.6	27.5	27.1	28.0	28.5
	12H	25.5	26.3	26.0	26.8	27.3	26.9	27.7	27.4	28.2	28.7
8H	4H	25.0	25.8	25.5	26.3	26.8	25.8	26.6	26.3	27.1	27.7
	6H	25.6	26.3	26.2	26.9	27.4	26.7	27.4	27.2	27.9	28.5
	8H	25.9	26.5	26.4	27.1	27.6	27.1	27.7	27.6	28.3	28.8
	12H	26.1	26.7	26.7	27.2	27.8	27.5	28.0	28.0	28.6	29.2
12H	4H	25.0	25.8	25.5	26.3	26.8	25.8	26.6	26.3	27.1	27.6
	6H	25.7	26.4	26.3	26.9	27.5	26.7	27.4	27.3	27.9	28.5
	8H	26.1	26.6	26.6	27.2	27.8	27.2	27.8	27.7	28.3	28.9

Maximum UGR = 29.2

POLAR GRAPH



Maximum Candela = 6662.753 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)