



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 2 VL UV FA 940.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 VL UV FA 940

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

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

[LAMP] 128 white LEDs on two LS3872A8-4000K-R90 LED boards with 64 LEDs

[MORE] each.

[BALLAST] One ULT Everline D15CC55UNVPW-C LED driver at 1120mA

[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	8200
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	56
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	9293	8661	8874
55	8215	7551	7994
65	7036	6322	6881
75	5750	4944	5601
85	3809	3503	4116

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1020.01	N.A.	12.40
0-30	2165.2	N.A.	26.40
0-40	3535.24	N.A.	43.10
0-60	6164.00	N.A.	75.20
0-80	7698.67	N.A.	93.90
0-90	7972.66	N.A.	97.20
10-90	7708.98	N.A.	94.00
20-40	2515.23	N.A.	30.70
20-50	3910.26	N.A.	47.70
40-70	3570.58	N.A.	43.50
60-80	1534.68	N.A.	18.70
70-80	592.85	N.A.	7.20
80-90	273.99	N.A.	3.30
90-110	164.15	N.A.	2.00
90-120	199.30	N.A.	2.40
90-130	217.70	N.A.	2.70
90-150	226.96	N.A.	2.80
90-180	227.34	N.A.	2.80
110-180	63.19	N.A.	0.80
0-180	8200.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	263.68
10-20	756.33
20-30	1145.19
30-40	1370.04
40-50	1395.02
50-60	1233.73
60-70	941.83
70-80	592.85
80-90	273.99
90-100	107.25
100-110	56.89
110-120	35.15
120-130	18.40
130-140	7.22
140-150	2.04
150-160	0.38
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

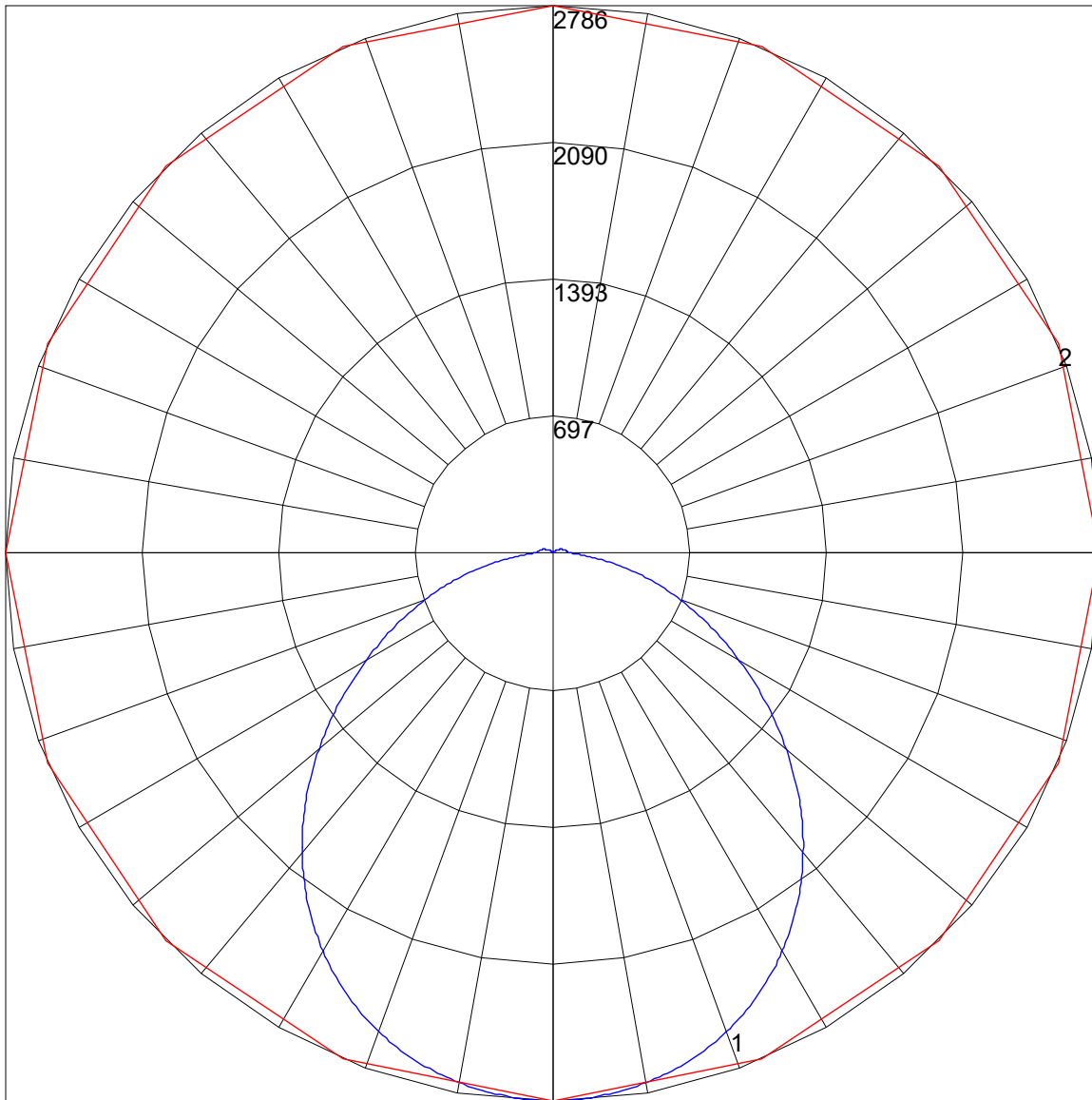
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**UGR TABLE - CORRECTED**

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	18.5	20.0	18.9	20.4	20.8	19.1	20.7	19.6	21.1	21.5
	3H	20.1	21.5	20.5	21.9	22.3	21.0	22.4	21.4	22.8	23.2
	4H	20.7	22.0	21.1	22.4	22.9	21.7	23.0	22.1	23.5	23.9
	6H	21.1	22.3	21.5	22.8	23.2	22.3	23.6	22.8	24.0	24.5
	8H	21.2	22.4	21.7	22.9	23.3	22.6	23.8	23.0	24.2	24.7
	12H	21.3	22.5	21.8	22.9	23.4	22.8	23.9	23.2	24.4	24.9
4H	2H	19.1	20.4	19.5	20.8	21.3	19.6	21.0	20.1	21.4	21.8
	3H	20.9	22.1	21.4	22.5	23.0	21.7	22.8	22.1	23.3	23.7
	4H	21.6	22.7	22.1	23.1	23.6	22.5	23.6	23.0	24.0	24.6
	6H	22.2	23.1	22.7	23.6	24.1	23.3	24.2	23.8	24.7	25.2
	8H	22.4	23.2	22.9	23.7	24.2	23.6	24.5	24.1	25.0	25.5
	12H	22.5	23.3	23.0	23.8	24.3	23.9	24.7	24.4	25.2	25.7
8H	4H	22.0	22.8	22.5	23.3	23.8	22.8	23.6	23.3	24.1	24.7
	6H	22.6	23.3	23.2	23.9	24.4	23.7	24.4	24.2	24.9	25.5
	8H	22.9	23.5	23.4	24.1	24.6	24.1	24.7	24.6	25.3	25.8
	12H	23.1	23.7	23.7	24.2	24.8	24.5	25.0	25.0	25.6	26.2
12H	4H	22.0	22.8	22.5	23.3	23.8	22.8	23.6	23.3	24.1	24.6
	6H	22.7	23.4	23.3	23.9	24.5	23.7	24.4	24.3	24.9	25.5
	8H	23.1	23.6	23.6	24.2	24.8	24.2	24.8	24.7	25.3	25.9

Maximum UGR = 26.2

POLAR GRAPH



Maximum Candela = 2786.023 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.)