



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 2 VL UV FA 930.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 930

[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 LS3872A8-3000K-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	7976
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
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	9040	8424	8632
55	7991	7345	7775
65	6844	6149	6693
75	5593	4809	5448
85	3705	3408	4004

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	992.16	N.A.	12.40
0-30	2106.09	N.A.	26.40
0-40	3438.73	N.A.	43.10
0-60	5995.72	N.A.	75.20
0-80	7488.5	N.A.	93.90
0-90	7755.00	N.A.	97.20
10-90	7498.52	N.A.	94.00
20-40	2446.57	N.A.	30.70
20-50	3803.51	N.A.	47.70
40-70	3473.11	N.A.	43.50
60-80	1492.78	N.A.	18.70
70-80	576.66	N.A.	7.20
80-90	266.51	N.A.	3.30
90-110	159.67	N.A.	2.00
90-120	193.86	N.A.	2.40
90-130	211.75	N.A.	2.70
90-150	220.76	N.A.	2.80
90-180	221.13	N.A.	2.80
110-180	61.47	N.A.	0.80
0-180	7976.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	256.48
10-20	735.68
20-30	1113.93
30-40	1332.64
40-50	1356.94
50-60	1200.05
60-70	916.12
70-80	576.66
80-90	266.51
90-100	104.33
100-110	55.34
110-120	34.19
120-130	17.90
130-140	7.02
140-150	1.98
150-160	0.37
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

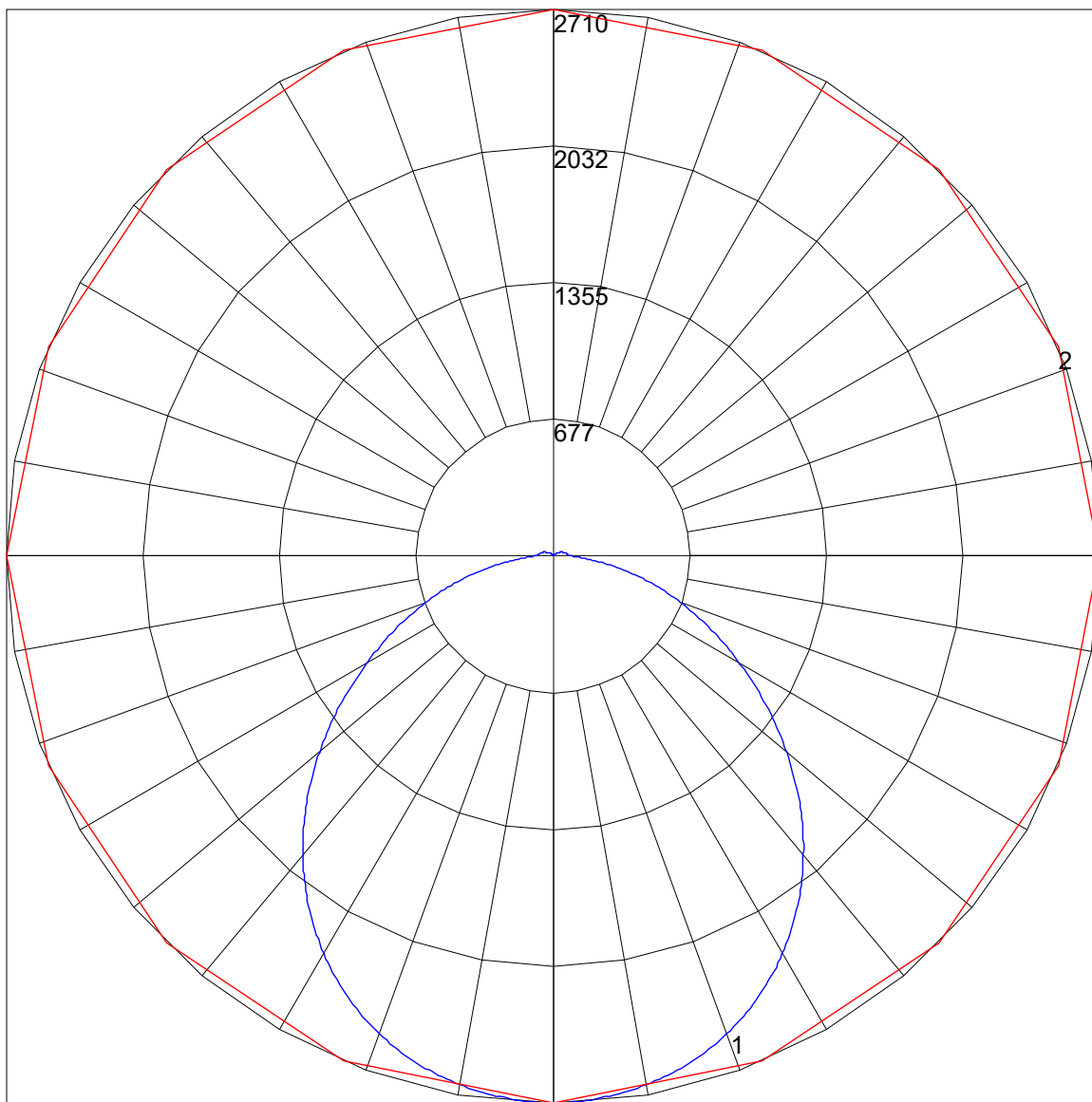
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**UGR TABLE - CORRECTED**

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	18.4	19.9	18.8	20.3	20.7	19.0	20.6	19.5	21.0	21.4
	3H	20.0	21.4	20.4	21.8	22.2	20.9	22.3	21.3	22.7	23.1
	4H	20.6	21.9	21.0	22.3	22.8	21.6	22.9	22.0	23.4	23.8
	6H	21.0	22.2	21.4	22.7	23.1	22.2	23.5	22.7	23.9	24.4
	8H	21.1	22.3	21.6	22.8	23.2	22.5	23.7	22.9	24.1	24.6
	12H	21.2	22.4	21.7	22.8	23.3	22.7	23.8	23.1	24.3	24.8
4H	2H	19.0	20.3	19.4	20.7	21.2	19.5	20.9	20.0	21.3	21.7
	3H	20.8	21.9	21.3	22.4	22.9	21.6	22.7	22.0	23.2	23.6
	4H	21.5	22.6	22.0	23.0	23.5	22.4	23.5	22.9	23.9	24.5
	6H	22.1	23.0	22.6	23.5	24.0	23.2	24.1	23.7	24.6	25.1
	8H	22.3	23.1	22.8	23.6	24.1	23.5	24.4	24.0	24.9	25.4
	12H	22.4	23.2	22.9	23.7	24.2	23.8	24.6	24.3	25.1	25.6
8H	4H	21.9	22.7	22.4	23.2	23.7	22.7	23.5	23.2	24.0	24.6
	6H	22.5	23.2	23.1	23.8	24.3	23.6	24.3	24.1	24.8	25.4
	8H	22.8	23.4	23.3	24.0	24.5	24.0	24.6	24.5	25.2	25.7
	12H	23.0	23.6	23.6	24.1	24.7	24.4	24.9	24.9	25.5	26.1
12H	4H	21.9	22.7	22.4	23.2	23.7	22.7	23.5	23.2	24.0	24.5
	6H	22.6	23.3	23.2	23.8	24.4	23.6	24.3	24.2	24.8	25.4
	8H	23.0	23.5	23.5	24.1	24.7	24.1	24.7	24.6	25.2	25.8

Maximum UGR = 26.1

POLAR GRAPH



Maximum Candela = 2709.965 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.)