



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 2 MD 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 MD UV FA 930

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

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

[LAMP] 256 white LEDs on four LS3872A8-3000K-R90 LED boards with 64 LEDs

[MORE] each.

[BALLAST] Two ULT Everline D15CC55UNVPW-C LED drivers at 1110mA

[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	15822
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	112.5
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	17931	16710	17123
55	15850	14570	15423
65	13576	12198	13277
75	11094	9539	10807
85	7349	6760	7942

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1968.06	N.A.	12.40
0-30	4177.66	N.A.	26.40
0-40	6821.1	N.A.	43.10
0-60	11893.17	N.A.	75.20
0-80	14854.26	N.A.	93.90
0-90	15382.9	N.A.	97.20
10-90	14874.14	N.A.	94.00
20-40	4853.04	N.A.	30.70
20-50	7544.68	N.A.	47.70
40-70	6889.29	N.A.	43.50
60-80	2961.09	N.A.	18.70
70-80	1143.87	N.A.	7.20
80-90	528.64	N.A.	3.30
90-110	316.71	N.A.	2.00
90-120	384.54	N.A.	2.40
90-130	420.04	N.A.	2.70
90-150	437.90	N.A.	2.80
90-180	438.64	N.A.	2.80
110-180	121.93	N.A.	0.80
0-180	15821.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	508.76
10-20	1459.31
20-30	2209.6
30-40	2643.44
40-50	2691.64
50-60	2380.43
60-70	1817.22
70-80	1143.87
80-90	528.64
90-100	206.94
100-110	109.77
110-120	67.83
120-130	35.50
130-140	13.93
140-150	3.94
150-160	0.74
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**

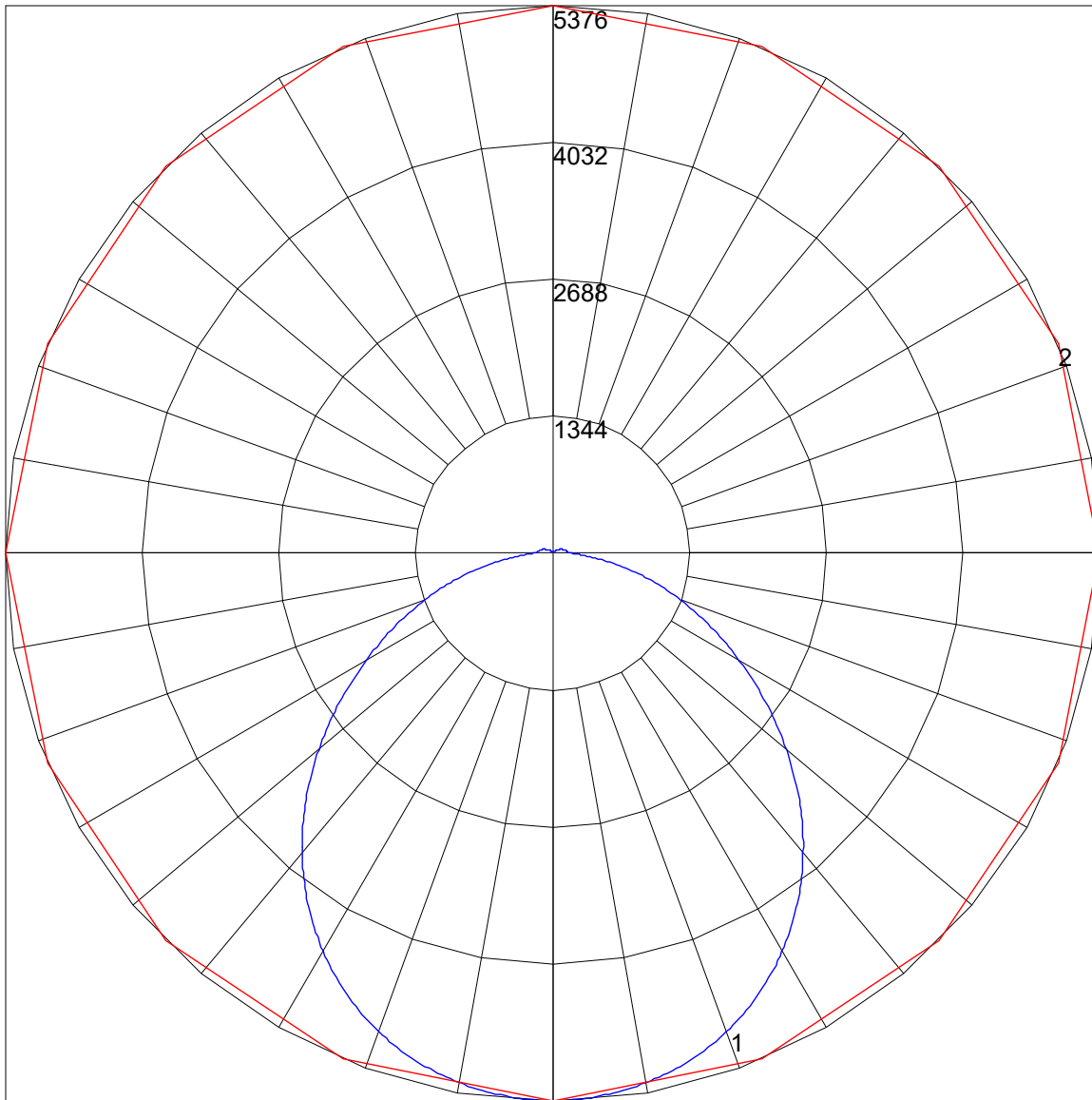
Reflectances

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	20.8	22.3	21.2	22.7	23.1	21.4	23.0	21.9	23.4	23.8
	3H	22.4	23.8	22.8	24.2	24.6	23.3	24.7	23.7	25.1	25.5
	4H	23.0	24.3	23.4	24.7	25.2	24.0	25.3	24.4	25.8	26.2
	6H	23.4	24.6	23.8	25.1	25.5	24.6	25.9	25.1	26.3	26.8
	8H	23.5	24.7	24.0	25.2	25.6	24.9	26.1	25.3	26.5	27.0
	12H	23.6	24.8	24.1	25.2	25.7	25.1	26.2	25.5	26.7	27.2
4H	2H	21.4	22.7	21.8	23.1	23.6	21.9	23.3	22.4	23.7	24.1
	3H	23.2	24.3	23.7	24.8	25.3	24.0	25.1	24.4	25.6	26.0
	4H	23.9	25.0	24.4	25.4	25.9	24.8	25.9	25.3	26.3	26.9
	6H	24.5	25.4	25.0	25.9	26.4	25.6	26.5	26.1	27.0	27.5
	8H	24.7	25.5	25.2	26.0	26.5	25.9	26.8	26.4	27.3	27.8
	12H	24.8	25.6	25.3	26.1	26.6	26.2	27.0	26.7	27.5	28.0
8H	4H	24.3	25.1	24.8	25.6	26.1	25.1	25.9	25.6	26.4	27.0
	6H	24.9	25.6	25.5	26.2	26.7	26.0	26.7	26.5	27.2	27.8
	8H	25.2	25.8	25.7	26.4	26.9	26.4	27.0	26.9	27.6	28.1
	12H	25.4	26.0	26.0	26.5	27.1	26.8	27.3	27.3	27.9	28.5
12H	4H	24.3	25.1	24.8	25.6	26.1	25.1	25.9	25.6	26.4	26.9
	6H	25.0	25.7	25.6	26.2	26.8	26.0	26.7	26.6	27.2	27.8
	8H	25.4	25.9	25.9	26.5	27.1	26.5	27.1	27.0	27.6	28.2

Maximum UGR = 28.5

POLAR GRAPH



Maximum Candela = 5375.512 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.)