



## IES INDOOR REPORT

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

[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 LS3872A10-3000K-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	19528
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
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	22132	20625	21134
55	19563	17983	19036
65	16757	15055	16387
75	13693	11774	13338
85	9071	8343	9803

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2429.1	N.A.	12.40
0-30	5156.32	N.A.	26.40
0-40	8419.02	N.A.	43.10
0-60	14679.27	N.A.	75.20
0-80	18334.04	N.A.	93.90
0-90	18986.52	N.A.	97.20
10-90	18358.58	N.A.	94.00
20-40	5989.92	N.A.	30.70
20-50	9312.1	N.A.	47.70
40-70	8503.18	N.A.	43.50
60-80	3654.76	N.A.	18.70
70-80	1411.83	N.A.	7.20
80-90	652.48	N.A.	3.30
90-110	390.91	N.A.	2.00
90-120	474.62	N.A.	2.40
90-130	518.44	N.A.	2.70
90-150	540.49	N.A.	2.80
90-180	541.40	N.A.	2.80
110-180	150.49	N.A.	0.80
0-180	19527.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	627.94
10-20	1801.16
20-30	2727.22
30-40	3262.7
40-50	3322.19
50-60	2938.07
60-70	2242.93
70-80	1411.83
80-90	652.48
90-100	255.42
100-110	135.49
110-120	83.72
120-130	43.81
130-140	17.19
140-150	4.86
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

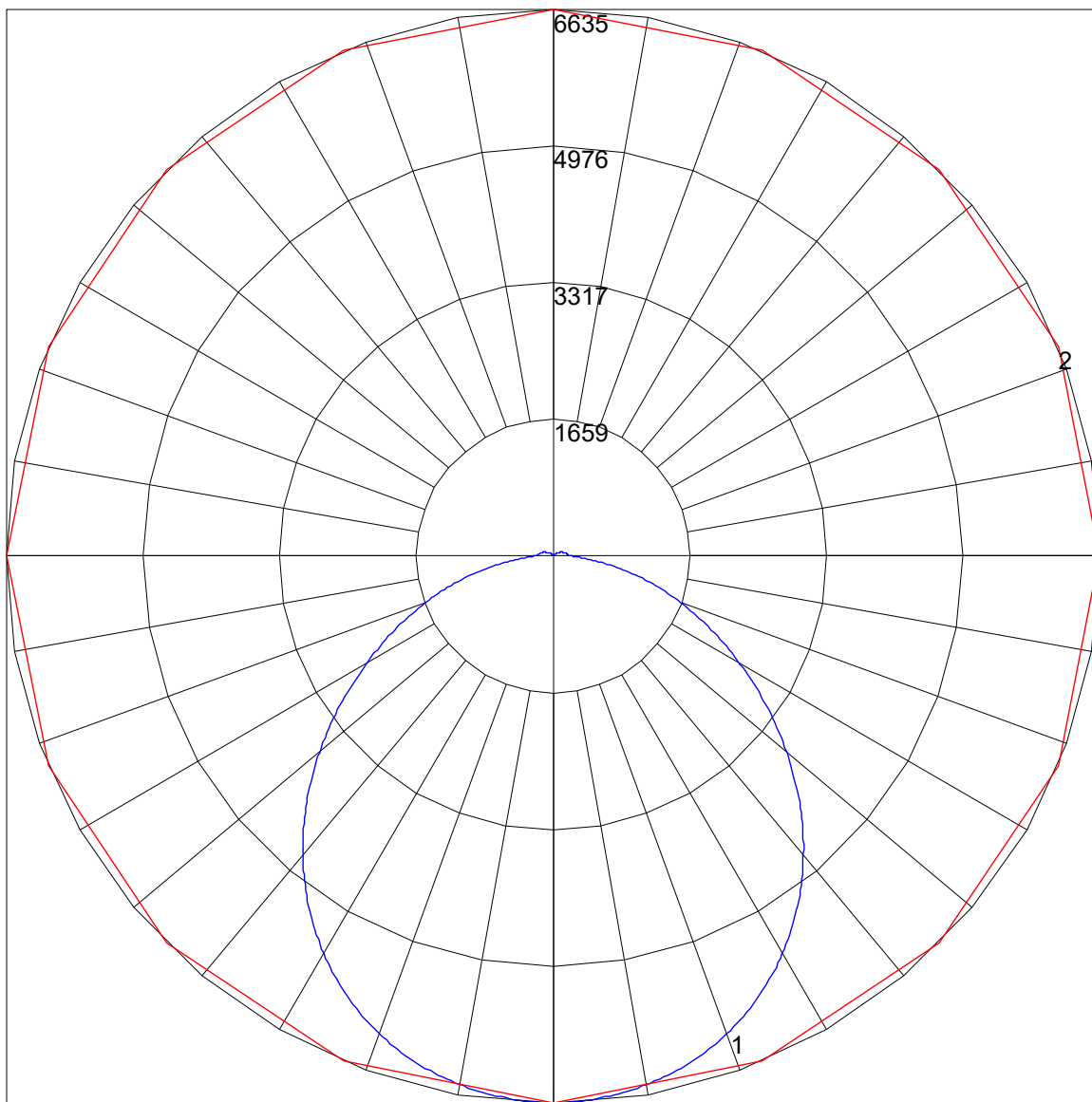
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**UGR TABLE - CORRECTED**

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 = 6634.787 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.)