



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 4 VL UV FA 950.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001796-019A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 7/8/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] WV L G2 4 VL UV FA 950

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

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

[MORE] linear prisms on the sides.

[LAMP] 256 white LEDs on four LS3872A8-5000K-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	16262
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
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)	4.29 ft
Luminous Width (90-270)	1.18 ft
Luminous Height	0.23 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10208	9218	8939
55	8991	7853	7864
65	7561	6528	6924
75	6017	5322	5968
85	3890	4010	4907

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2054.16	N.A.	12.60
0-30	4363.19	N.A.	26.80
0-40	7117.46	N.A.	43.80
0-60	12252.06	N.A.	75.30
0-80	15176.23	N.A.	93.30
0-90	15708.6	N.A.	96.60
10-90	15177.87	N.A.	93.30
20-40	5063.3	N.A.	31.10
20-50	7821.95	N.A.	48.10
40-70	6924.91	N.A.	42.60
60-80	2924.17	N.A.	18.00
70-80	1133.86	N.A.	7.00
80-90	532.37	N.A.	3.30
90-110	359.68	N.A.	2.20
90-120	456.48	N.A.	2.80
90-130	515.26	N.A.	3.20
90-150	552.64	N.A.	3.40
90-180	553.37	N.A.	3.40
110-180	193.69	N.A.	1.20
0-180	16261.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	530.74
10-20	1523.42
20-30	2309.03
30-40	2754.27
40-50	2758.65
50-60	2375.95
60-70	1790.31
70-80	1133.86
80-90	532.37
90-100	221.04
100-110	138.64
110-120	96.80
120-130	58.78
130-140	28.58
140-150	8.80
150-160	0.73
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	109	109	109	104	104	104	99	99	99	97
1	107	102	98	94	104	100	96	92	95	92	89	90	88	85	86	84	82	80
2	98	89	82	77	95	87	81	75	83	78	73	79	75	71	76	72	69	66
3	89	78	70	64	86	77	69	63	73	67	61	70	64	60	67	62	58	56
4	82	70	61	54	79	68	60	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	47	73	61	53	46	58	51	45	56	50	45	54	48	44	42
6	69	56	47	41	67	55	47	40	53	45	40	51	44	39	49	43	39	36
7	64	51	42	36	62	50	42	36	48	41	35	46	40	35	45	39	34	32
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	41	35	31	29
9	56	43	34	29	54	42	34	29	41	33	28	39	33	28	38	32	28	26
10	53	39	31	26	51	39	31	26	37	31	26	36	30	26	35	29	25	24

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UGR TABLE - CORRECTED

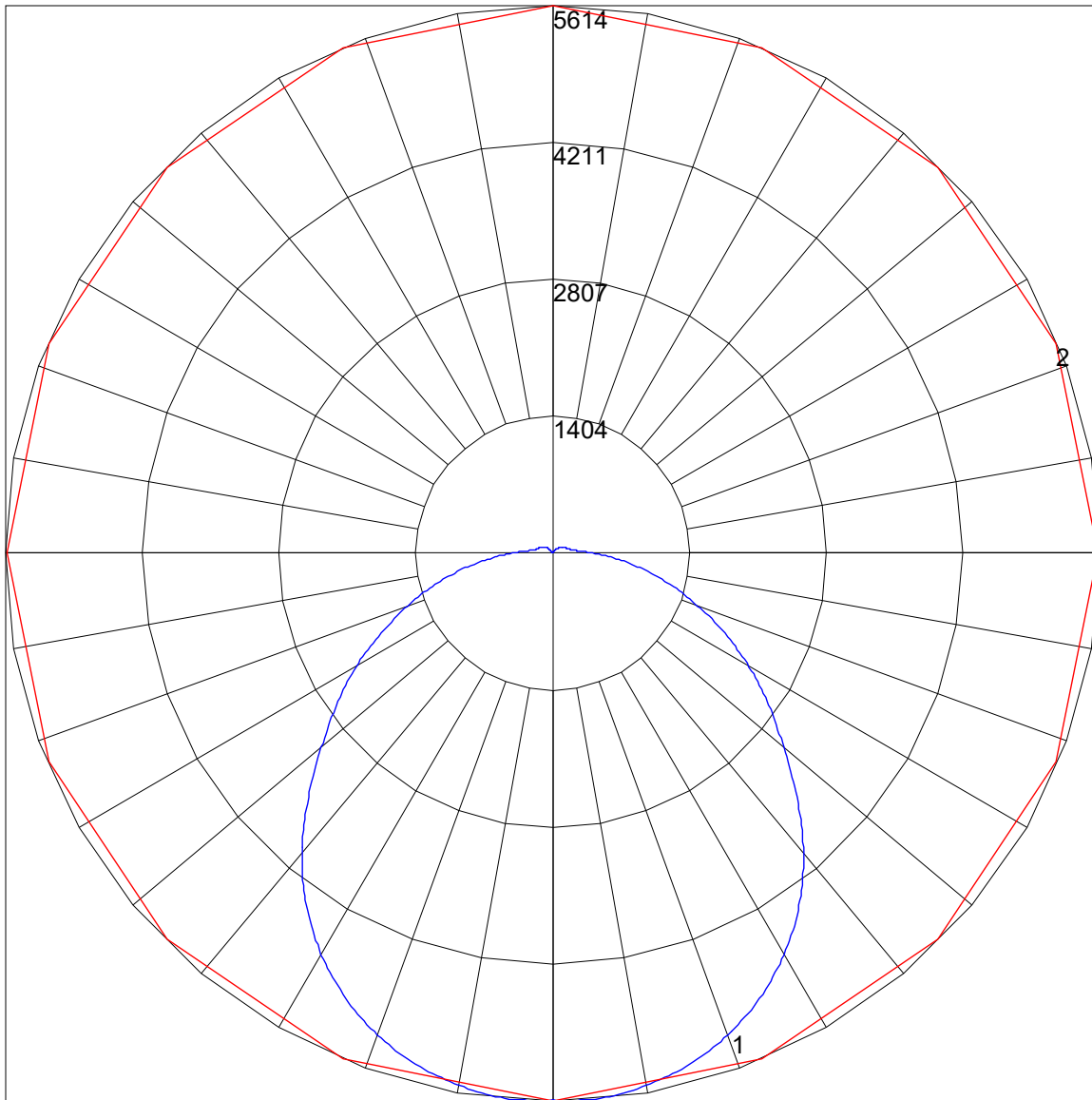
Reflectances

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	19.2	20.7	19.6	21.1	21.5
	3H	19.9	21.3	20.4	21.7	22.2	21.1	22.5	21.6	22.9	23.4
	4H	20.4	21.8	20.9	22.2	22.7	22.0	23.3	22.4	23.7	24.2
	6H	20.8	22.0	21.2	22.4	22.9	22.8	24.0	23.2	24.4	24.9
	8H	20.9	22.0	21.4	22.5	23.0	23.1	24.3	23.6	24.8	25.3
	12H	20.9	22.0	21.4	22.5	23.0	23.4	24.6	23.9	25.0	25.6
4H	2H	19.1	20.4	19.5	20.8	21.3	19.6	20.9	20.1	21.4	21.8
	3H	20.8	21.9	21.2	22.3	22.8	21.8	22.9	22.3	23.4	23.9
	4H	21.4	22.4	21.9	22.9	23.4	22.8	23.8	23.3	24.3	24.9
	6H	21.8	22.7	22.4	23.2	23.8	23.8	24.7	24.3	25.2	25.7
	8H	22.0	22.8	22.5	23.3	23.9	24.2	25.0	24.7	25.6	26.1
	12H	22.1	22.8	22.6	23.3	23.9	24.6	25.4	25.2	25.9	26.5
8H	4H	21.8	22.6	22.3	23.1	23.7	23.1	23.9	23.6	24.4	25.0
	6H	22.3	23.0	22.9	23.6	24.2	24.1	24.8	24.7	25.4	26.0
	8H	22.5	23.2	23.1	23.7	24.3	24.7	25.3	25.3	25.9	26.5
	12H	22.7	23.2	23.2	23.8	24.4	25.2	25.8	25.8	26.4	27.0
12H	4H	21.9	22.6	22.4	23.1	23.7	23.1	23.8	23.6	24.4	24.9
	6H	22.5	23.1	23.1	23.6	24.3	24.2	24.8	24.8	25.4	26.0
	8H	22.7	23.3	23.3	23.8	24.5	24.8	25.3	25.3	25.9	26.5

Maximum UGR = 27.0

POLAR GRAPH



Maximum Candela = 5614.499 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)