



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 4 HI 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 HI 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] 504 white LEDs on six LS3872A10-5000K-R90 LED boards with 84 LEDs
[MORE] each.

[BALLAST] Two ULT Everline D28CC95UVPA12-F LED drivers at 2180mA

[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	28194
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	189.2
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	17698	15981	15498
55	15588	13615	13633
65	13109	11318	12004
75	10432	9227	10347
85	6745	6951	8508

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3561.34	N.A.	12.60
0-30	7564.57	N.A.	26.80
0-40	12339.72	N.A.	43.80
0-60	21241.69	N.A.	75.30
0-80	26311.4	N.A.	93.30
0-90	27234.39	N.A.	96.60
10-90	26314.23	N.A.	93.30
20-40	8778.37	N.A.	31.10
20-50	13561.11	N.A.	48.10
40-70	12005.88	N.A.	42.60
60-80	5069.71	N.A.	18.00
70-80	1965.81	N.A.	7.00
80-90	922.98	N.A.	3.30
90-110	623.58	N.A.	2.20
90-120	791.41	N.A.	2.80
90-130	893.31	N.A.	3.20
90-150	958.12	N.A.	3.40
90-180	959.39	N.A.	3.40
110-180	335.81	N.A.	1.20
0-180	28193.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	920.15
10-20	2641.19
20-30	4003.23
30-40	4775.15
40-50	4782.73
50-60	4119.24
60-70	3103.9
70-80	1965.81
80-90	922.98
90-100	383.22
100-110	240.36
110-120	167.83
120-130	101.90
130-140	49.55
140-150	15.25
150-160	1.27
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

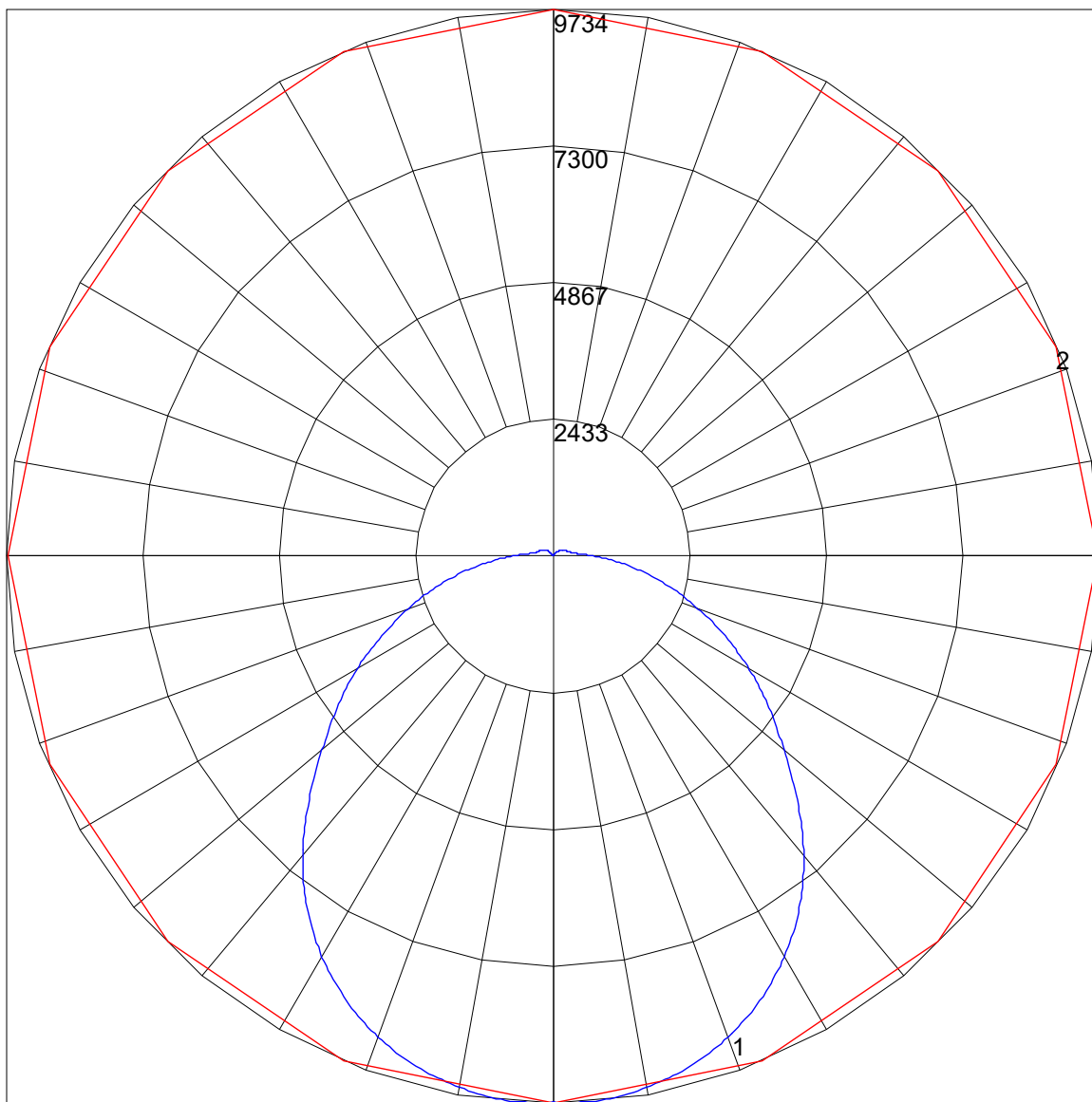
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UGR TABLE - CORRECTED

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	20.4	21.9	20.8	22.3	22.7	21.1	22.6	21.5	23.0	23.4
	3H	21.8	23.2	22.3	23.6	24.1	23.0	24.4	23.5	24.8	25.3
	4H	22.3	23.7	22.8	24.1	24.6	23.9	25.2	24.3	25.6	26.1
	6H	22.7	23.9	23.1	24.3	24.8	24.7	25.9	25.1	26.3	26.8
	8H	22.8	23.9	23.3	24.4	24.9	25.0	26.2	25.5	26.7	27.2
	12H	22.8	23.9	23.3	24.4	24.9	25.3	26.5	25.8	26.9	27.5
4H	2H	21.0	22.3	21.4	22.7	23.2	21.5	22.8	22.0	23.3	23.7
	3H	22.7	23.8	23.1	24.2	24.7	23.7	24.8	24.2	25.3	25.8
	4H	23.3	24.3	23.8	24.8	25.3	24.7	25.7	25.2	26.2	26.8
	6H	23.7	24.6	24.3	25.1	25.7	25.7	26.6	26.2	27.1	27.6
	8H	23.9	24.7	24.4	25.2	25.8	26.1	26.9	26.6	27.5	28.0
	12H	24.0	24.7	24.5	25.2	25.8	26.5	27.3	27.1	27.8	28.4
8H	4H	23.7	24.5	24.2	25.0	25.6	25.0	25.8	25.5	26.3	26.9
	6H	24.2	24.9	24.8	25.5	26.1	26.0	26.7	26.6	27.3	27.9
	8H	24.4	25.1	25.0	25.6	26.2	26.6	27.2	27.2	27.8	28.4
	12H	24.6	25.1	25.1	25.7	26.3	27.1	27.7	27.7	28.3	28.9
12H	4H	23.8	24.5	24.3	25.0	25.6	25.0	25.7	25.5	26.3	26.8
	6H	24.4	25.0	25.0	25.5	26.2	26.1	26.7	26.7	27.3	27.9
	8H	24.6	25.2	25.2	25.7	26.4	26.7	27.2	27.2	27.8	28.4

Maximum UGR = 28.9

POLAR GRAPH



Maximum Candela = 9733.994 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.)