



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 4 HI UV FA 935.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001796-019A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 7/8/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] WV L G2 4 HI UV FA 935

[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 LS3872A10-3500K-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	27540
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
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	17288	15611	15139
55	15226	13299	13317
65	12805	11055	11726
75	10190	9013	10107
85	6588	6790	8311

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3478.72	N.A.	12.60
0-30	7389.07	N.A.	26.80
0-40	12053.43	N.A.	43.80
0-60	20748.89	N.A.	75.30
0-80	25700.98	N.A.	93.30
0-90	26602.55	N.A.	96.60
10-90	25703.74	N.A.	93.30
20-40	8574.71	N.A.	31.10
20-50	13246.49	N.A.	48.10
40-70	11727.34	N.A.	42.60
60-80	4952.09	N.A.	18.00
70-80	1920.2	N.A.	7.00
80-90	901.57	N.A.	3.30
90-110	609.11	N.A.	2.20
90-120	773.05	N.A.	2.80
90-130	872.59	N.A.	3.20
90-150	935.89	N.A.	3.40
90-180	937.13	N.A.	3.40
110-180	328.02	N.A.	1.20
0-180	27539.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	898.81
10-20	2579.91
20-30	3910.35
30-40	4664.36
40-50	4671.77
50-60	4023.68
60-70	3031.89
70-80	1920.2
80-90	901.57
90-100	374.33
100-110	234.78
110-120	163.94
120-130	99.54
130-140	48.40
140-150	14.90
150-160	1.24
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

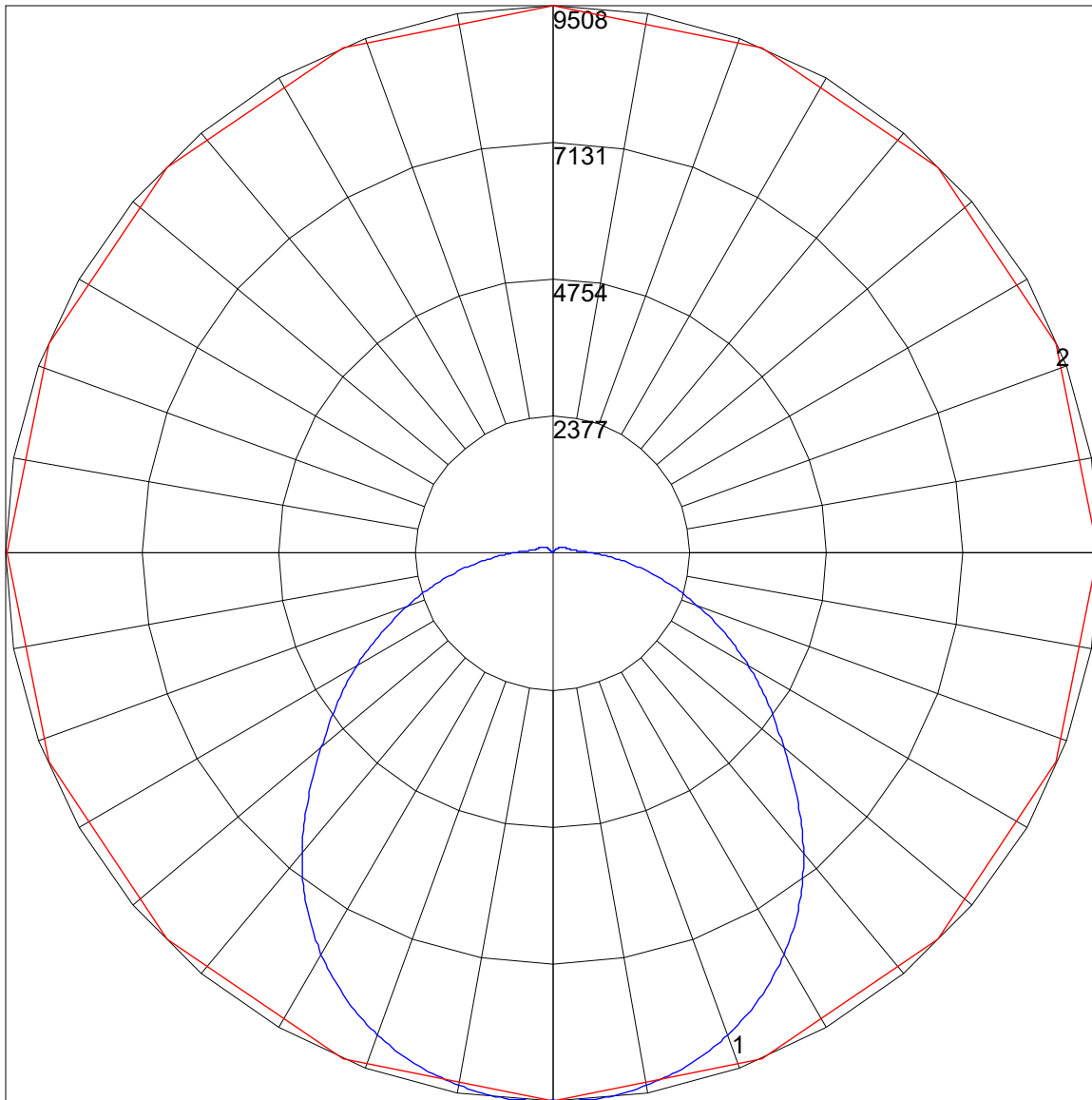
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UGR TABLE - CORRECTED

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	20.3	21.8	20.7	22.2	22.6	21.0	22.5	21.4	22.9	23.3
	3H	21.7	23.1	22.2	23.5	24.0	22.9	24.3	23.4	24.7	25.2
	4H	22.2	23.6	22.7	24.0	24.5	23.8	25.1	24.2	25.5	26.0
	6H	22.6	23.8	23.0	24.2	24.7	24.6	25.8	25.0	26.2	26.7
	8H	22.7	23.8	23.2	24.3	24.8	24.9	26.1	25.4	26.6	27.1
	12H	22.7	23.8	23.2	24.3	24.8	25.2	26.4	25.7	26.8	27.4
4H	2H	20.9	22.2	21.3	22.6	23.1	21.4	22.7	21.9	23.2	23.6
	3H	22.6	23.7	23.0	24.1	24.6	23.6	24.7	24.1	25.2	25.7
	4H	23.2	24.2	23.7	24.7	25.2	24.6	25.6	25.1	26.1	26.7
	6H	23.6	24.5	24.2	25.0	25.6	25.6	26.5	26.1	27.0	27.5
	8H	23.8	24.6	24.3	25.1	25.7	26.0	26.8	26.5	27.4	27.9
	12H	23.9	24.6	24.4	25.1	25.7	26.4	27.2	27.0	27.7	28.3
8H	4H	23.6	24.4	24.1	24.9	25.5	24.9	25.7	25.4	26.2	26.8
	6H	24.1	24.8	24.7	25.4	26.0	25.9	26.6	26.5	27.2	27.8
	8H	24.3	25.0	24.9	25.5	26.1	26.5	27.1	27.1	27.7	28.3
	12H	24.5	25.0	25.0	25.6	26.2	27.0	27.6	27.6	28.2	28.8
12H	4H	23.7	24.4	24.2	24.9	25.5	24.9	25.6	25.4	26.2	26.7
	6H	24.3	24.9	24.9	25.4	26.1	26.0	26.6	26.6	27.2	27.8
	8H	24.5	25.1	25.1	25.6	26.3	26.6	27.1	27.1	27.7	28.3

Maximum UGR = 28.8

POLAR GRAPH



Maximum Candela = 9508.164 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.)