



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 4 MD UV FA 940.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 MD UV FA 940

[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] 336 white LEDs on four LS3872A10-4000K-R90 LED boards with 84 LEDs  
[MORE] each.

[BALLAST] Two ULT Everline D21CC80UNVPW-C LED drivers at 1920mA

[OTHER] 120.0Vac

[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	24250
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	171.7
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	15222	13746	13330
55	13407	11710	11726
65	11276	9734	10325
75	8973	7937	8899
85	5801	5979	7318

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3063.15	N.A.	12.60
0-30	6506.38	N.A.	26.80
0-40	10613.54	N.A.	43.80
0-60	18270.24	N.A.	75.30
0-80	22630.76	N.A.	93.30
0-90	23424.63	N.A.	96.60
10-90	22633.19	N.A.	93.30
20-40	7550.39	N.A.	31.10
20-50	11664.07	N.A.	48.10
40-70	10326.4	N.A.	42.60
60-80	4360.52	N.A.	18.00
70-80	1690.81	N.A.	7.00
80-90	793.87	N.A.	3.30
90-110	536.35	N.A.	2.20
90-120	680.70	N.A.	2.80
90-130	768.35	N.A.	3.20
90-150	824.09	N.A.	3.40
90-180	825.18	N.A.	3.40
110-180	288.83	N.A.	1.20
0-180	24249.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	791.44
10-20	2271.72
20-30	3443.22
30-40	4107.16
40-50	4113.69
50-60	3543.01
60-70	2669.7
70-80	1690.81
80-90	793.87
90-100	329.62
100-110	206.73
110-120	144.35
120-130	87.65
130-140	42.62
140-150	13.12
150-160	1.09
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

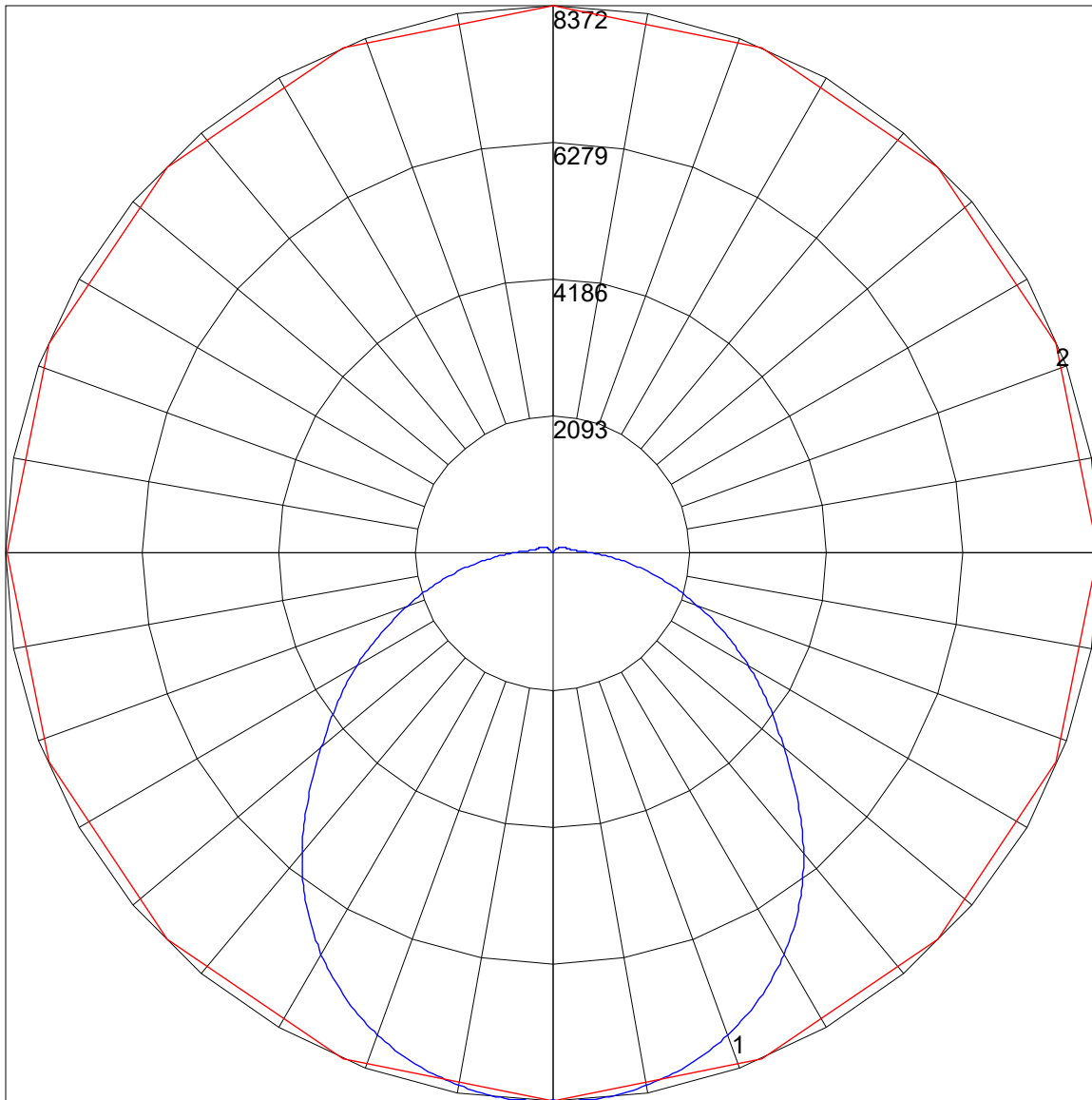
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**UGR TABLE - CORRECTED**

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	19.9	21.4	20.3	21.8	22.2	20.6	22.1	21.0	22.5	22.9
	3H	21.3	22.7	21.8	23.1	23.6	22.5	23.9	23.0	24.3	24.8
	4H	21.8	23.2	22.3	23.6	24.1	23.4	24.7	23.8	25.1	25.6
	6H	22.2	23.4	22.6	23.8	24.3	24.2	25.4	24.6	25.8	26.3
	8H	22.3	23.4	22.8	23.9	24.4	24.5	25.7	25.0	26.2	26.7
	12H	22.3	23.4	22.8	23.9	24.4	24.8	26.0	25.3	26.4	27.0
4H	2H	20.5	21.8	20.9	22.2	22.7	21.0	22.3	21.5	22.8	23.2
	3H	22.2	23.3	22.6	23.7	24.2	23.2	24.3	23.7	24.8	25.3
	4H	22.8	23.8	23.3	24.3	24.8	24.2	25.2	24.7	25.7	26.3
	6H	23.2	24.1	23.8	24.6	25.2	25.2	26.1	25.7	26.6	27.1
	8H	23.4	24.2	23.9	24.7	25.3	25.6	26.4	26.1	27.0	27.5
	12H	23.5	24.2	24.0	24.7	25.3	26.0	26.8	26.6	27.3	27.9
8H	4H	23.2	24.0	23.7	24.5	25.1	24.5	25.3	25.0	25.8	26.4
	6H	23.7	24.4	24.3	25.0	25.6	25.5	26.2	26.1	26.8	27.4
	8H	23.9	24.6	24.5	25.1	25.7	26.1	26.7	26.7	27.3	27.9
	12H	24.1	24.6	24.6	25.2	25.8	26.6	27.2	27.2	27.8	28.4
12H	4H	23.3	24.0	23.8	24.5	25.1	24.5	25.2	25.0	25.8	26.3
	6H	23.9	24.5	24.5	25.0	25.7	25.6	26.2	26.2	26.8	27.4
	8H	24.1	24.7	24.7	25.2	25.9	26.2	26.7	26.7	27.3	27.9

Maximum UGR = 28.4

POLAR GRAPH



Maximum Candela = 8372.327 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.)