



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 2 MD UV FA 940.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 MD UV FA 940

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

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

[LAMP] 256 white LEDs on four LS3872A8-4000K-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	16266
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)	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	18435	17179	17603
55	16295	14979	15856
65	13957	12540	13649
75	11405	9807	11110
85	7555	6949	8165

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2023.3	N.A.	12.40
0-30	4294.91	N.A.	26.40
0-40	7012.54	N.A.	43.10
0-60	12226.96	N.A.	75.20
0-80	15271.16	N.A.	93.90
0-90	15814.64	N.A.	97.20
10-90	15291.61	N.A.	94.00
20-40	4989.24	N.A.	30.70
20-50	7756.43	N.A.	47.70
40-70	7082.65	N.A.	43.50
60-80	3044.2	N.A.	18.70
70-80	1175.97	N.A.	7.20
80-90	543.48	N.A.	3.30
90-110	325.60	N.A.	2.00
90-120	395.33	N.A.	2.40
90-130	431.83	N.A.	2.70
90-150	450.19	N.A.	2.80
90-180	450.95	N.A.	2.80
110-180	125.35	N.A.	0.80
0-180	16265.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	523.04
10-20	1500.26
20-30	2271.61
30-40	2717.63
40-50	2767.18
50-60	2447.24
60-70	1868.23
70-80	1175.97
80-90	543.48
90-100	212.75
100-110	112.85
110-120	69.73
120-130	36.49
130-140	14.32
140-150	4.05
150-160	0.76
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

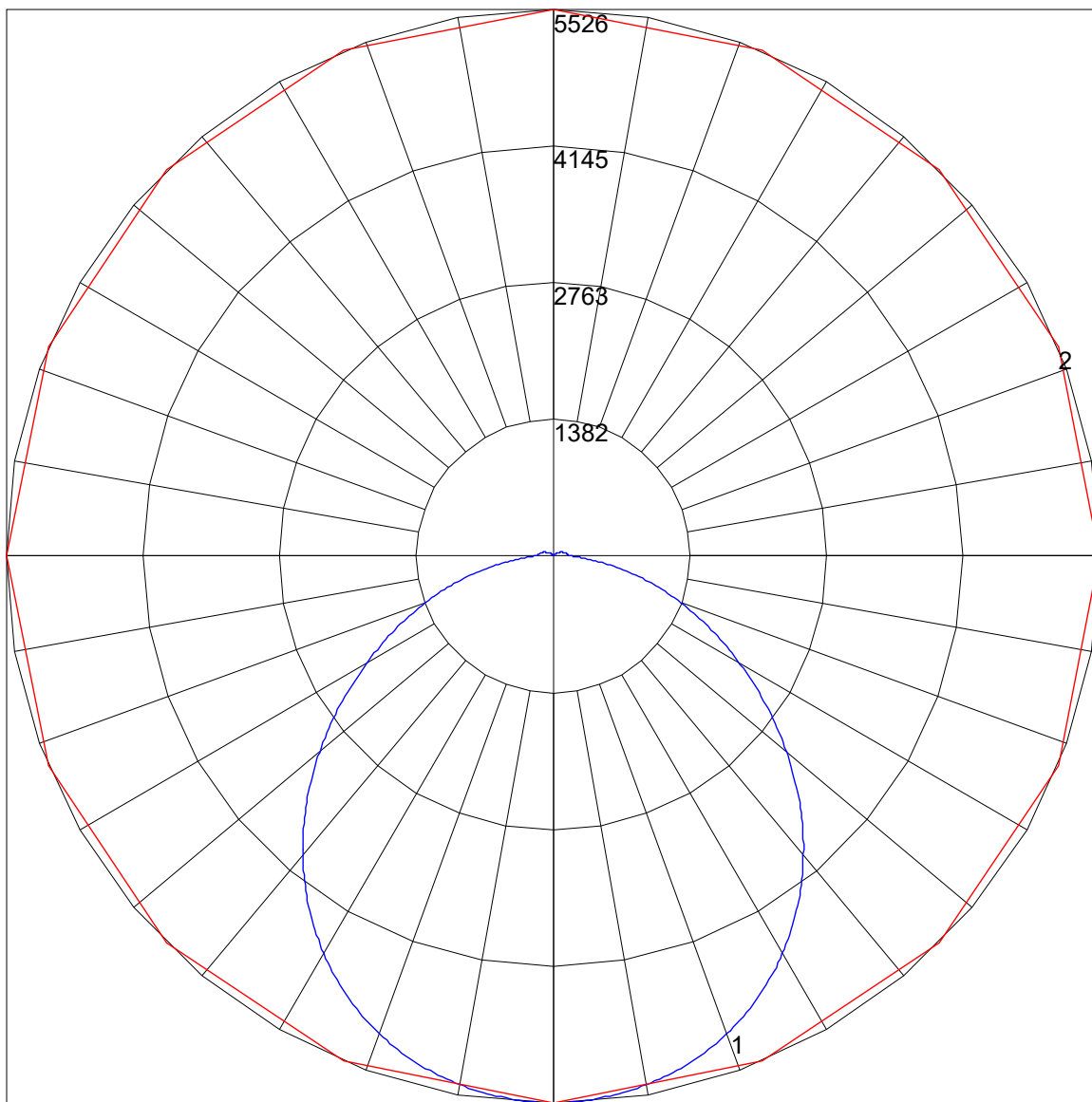
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UGR TABLE - CORRECTED

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	20.9	22.4	21.3	22.8	23.2	21.5	23.1	22.0	23.5	23.9
	3H	22.5	23.9	22.9	24.3	24.7	23.4	24.8	23.8	25.2	25.6
	4H	23.1	24.4	23.5	24.8	25.3	24.1	25.4	24.5	25.9	26.3
	6H	23.5	24.7	23.9	25.2	25.6	24.7	26.0	25.2	26.4	26.9
	8H	23.6	24.8	24.1	25.3	25.7	25.0	26.2	25.4	26.6	27.1
	12H	23.7	24.9	24.2	25.3	25.8	25.2	26.3	25.6	26.8	27.3
4H	2H	21.5	22.8	21.9	23.2	23.7	22.0	23.4	22.5	23.8	24.2
	3H	23.3	24.4	23.8	24.9	25.4	24.1	25.2	24.5	25.7	26.1
	4H	24.0	25.1	24.5	25.5	26.0	24.9	26.0	25.4	26.4	27.0
	6H	24.6	25.5	25.1	26.0	26.5	25.7	26.6	26.2	27.1	27.6
	8H	24.8	25.6	25.3	26.1	26.6	26.0	26.9	26.5	27.4	27.9
	12H	24.9	25.7	25.4	26.2	26.7	26.3	27.1	26.8	27.6	28.1
8H	4H	24.4	25.2	24.9	25.7	26.2	25.2	26.0	25.7	26.5	27.1
	6H	25.0	25.7	25.6	26.3	26.8	26.1	26.8	26.6	27.3	27.9
	8H	25.3	25.9	25.8	26.5	27.0	26.5	27.1	27.0	27.7	28.2
	12H	25.5	26.1	26.1	26.6	27.2	26.9	27.4	27.4	28.0	28.6
12H	4H	24.4	25.2	24.9	25.7	26.2	25.2	26.0	25.7	26.5	27.0
	6H	25.1	25.8	25.7	26.3	26.9	26.1	26.8	26.7	27.3	27.9
	8H	25.5	26.0	26.0	26.6	27.2	26.6	27.2	27.1	27.7	28.3

Maximum UGR = 28.6

POLAR GRAPH



Maximum Candela = 5526.383 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.)