



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 2 LW 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 LW UV FA 940

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

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

[LAMP] 192 white LEDs on three LS3872A8-4000K-R90 LED boards with 64 LEDs

[MORE] each.

[BALLAST] One ULT Everline D21CC80UNVPW-C LED driver at 1670mA

[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	12233
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	84
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	13864	12920	13239
55	12255	11265	11925
65	10497	9431	10265
75	8577	7376	8355
85	5682	5226	6141

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1521.65	N.A.	12.40
0-30	3230.05	N.A.	26.40
0-40	5273.89	N.A.	43.10
0-60	9195.48	N.A.	75.20
0-80	11484.92	N.A.	93.90
0-90	11893.65	N.A.	97.20
10-90	11500.29	N.A.	94.00
20-40	3752.24	N.A.	30.70
20-50	5833.34	N.A.	47.70
40-70	5326.62	N.A.	43.50
60-80	2289.44	N.A.	18.70
70-80	884.41	N.A.	7.20
80-90	408.73	N.A.	3.30
90-110	244.87	N.A.	2.00
90-120	297.32	N.A.	2.40
90-130	324.76	N.A.	2.70
90-150	338.58	N.A.	2.80
90-180	339.15	N.A.	2.80
110-180	94.27	N.A.	0.80
0-180	12232.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	393.36
10-20	1128.3
20-30	1708.4
30-40	2043.84
40-50	2081.1
50-60	1840.48
60-70	1405.03
70-80	884.41
80-90	408.73
90-100	160.00
100-110	84.87
110-120	52.44
120-130	27.45
130-140	10.77
140-150	3.04
150-160	0.57
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

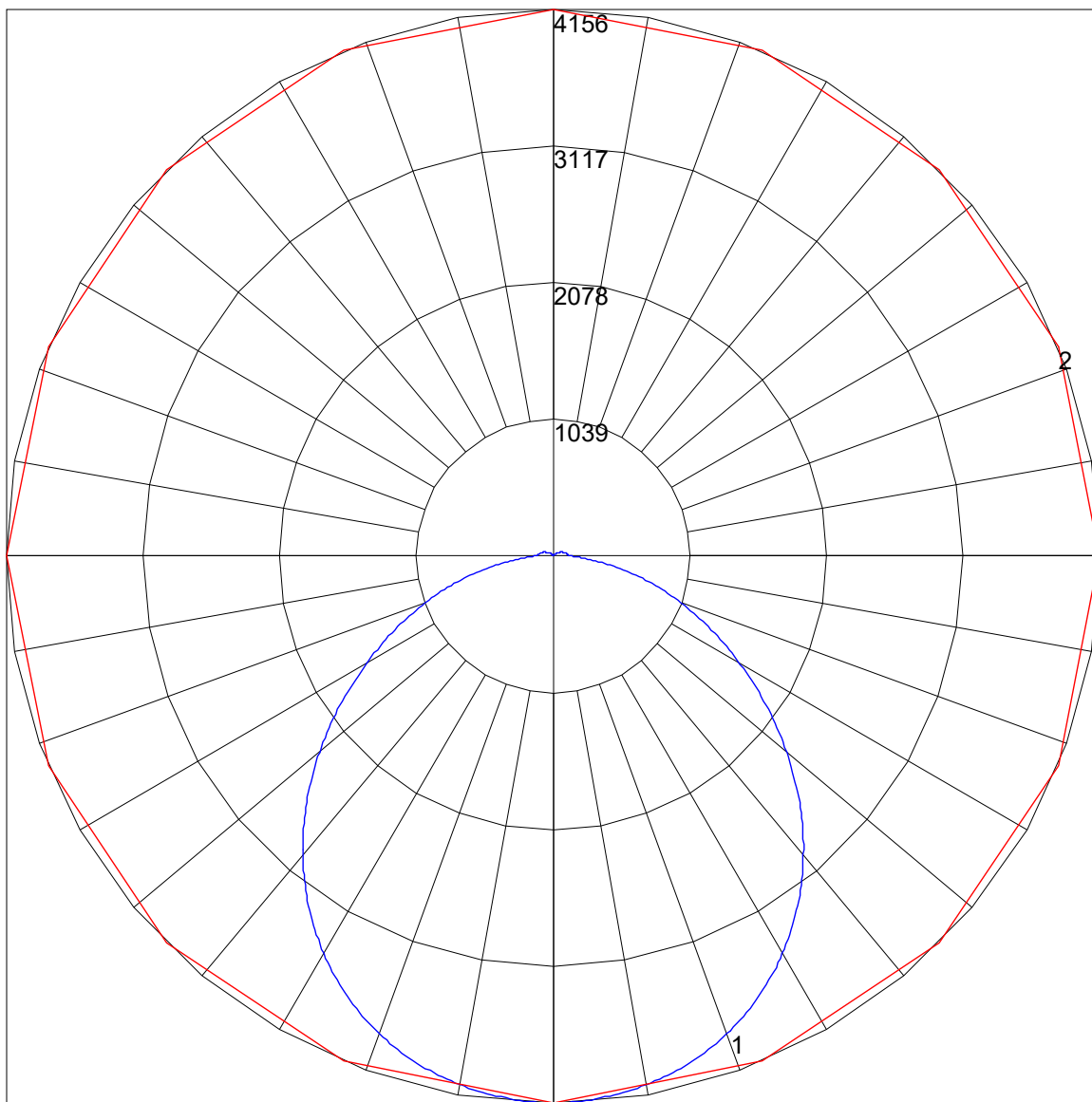
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	19.9	21.4	20.3	21.8	22.2	UGR Viewed Endwise				
	3H	21.5	22.9	21.9	23.3	23.7	20.5	22.1	21.0	22.5	22.9
	4H	22.1	23.4	22.5	23.8	24.3	22.4	23.8	22.8	24.2	24.6
	6H	22.5	23.7	22.9	24.2	24.6	23.1	24.4	23.5	24.9	25.3
	8H	22.6	23.8	23.1	24.3	24.7	23.7	25.0	24.2	25.4	25.9
	12H	22.7	23.9	23.2	24.3	24.8	24.0	25.2	24.4	25.6	26.1
							24.2	25.3	24.6	25.8	26.3
4H	2H	20.5	21.8	20.9	22.2	22.7	21.0	22.4	21.5	22.8	23.2
	3H	22.3	23.4	22.8	23.9	24.4	23.1	24.2	23.5	24.7	25.1
	4H	23.0	24.1	23.5	24.5	25.0	23.9	25.0	24.4	25.4	26.0
	6H	23.6	24.5	24.1	25.0	25.5	24.7	25.6	25.2	26.1	26.6
	8H	23.8	24.6	24.3	25.1	25.6	25.0	25.9	25.5	26.4	26.9
	12H	23.9	24.7	24.4	25.2	25.7	25.3	26.1	25.8	26.6	27.1
8H	4H	23.4	24.2	23.9	24.7	25.2	24.2	25.0	24.7	25.5	26.1
	6H	24.0	24.7	24.6	25.3	25.8	25.1	25.8	25.6	26.3	26.9
	8H	24.3	24.9	24.8	25.5	26.0	25.5	26.1	26.0	26.7	27.2
	12H	24.5	25.1	25.1	25.6	26.2	25.9	26.4	26.4	27.0	27.6
12H	4H	23.4	24.2	23.9	24.7	25.2	24.2	25.0	24.7	25.5	26.0
	6H	24.1	24.8	24.7	25.3	25.9	25.1	25.8	25.7	26.3	26.9
	8H	24.5	25.0	25.0	25.6	26.2	25.6	26.2	26.1	26.7	27.3

Maximum UGR = 27.6

POLAR GRAPH



Maximum Candela = 4156.203 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.)