



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 4 LW UV FA 930.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 LW UV FA 930

[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 LS3872A10-3000K-R90 LED boards with 84 LEDs
[MORE] each.

[BALLAST] Two ULT Everline D21CC80UNVPW-C LED drivers at 1570mA

[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	19661
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	138
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	12342	11144	10808
55	10870	9494	9507
65	9142	7892	8371
75	7275	6435	7215
85	4703	4848	5933

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2483.47	N.A.	12.60
0-30	5275.07	N.A.	26.80
0-40	8604.97	N.A.	43.80
0-60	14812.68	N.A.	75.30
0-80	18347.98	N.A.	93.30
0-90	18991.62	N.A.	96.60
10-90	18349.96	N.A.	93.30
20-40	6121.51	N.A.	31.10
20-50	9456.7	N.A.	48.10
40-70	8372.18	N.A.	42.60
60-80	3535.31	N.A.	18.00
70-80	1370.83	N.A.	7.00
80-90	643.63	N.A.	3.30
90-110	434.85	N.A.	2.20
90-120	551.88	N.A.	2.80
90-130	622.94	N.A.	3.20
90-150	668.13	N.A.	3.40
90-180	669.02	N.A.	3.40
110-180	234.17	N.A.	1.20
0-180	19660.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	641.66
10-20	1841.81
20-30	2791.61
30-40	3329.9
40-50	3335.19
50-60	2872.51
60-70	2164.47
70-80	1370.83
80-90	643.63
90-100	267.24
100-110	167.61
110-120	117.03
120-130	71.06
130-140	34.55
140-150	10.64
150-160	0.89
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

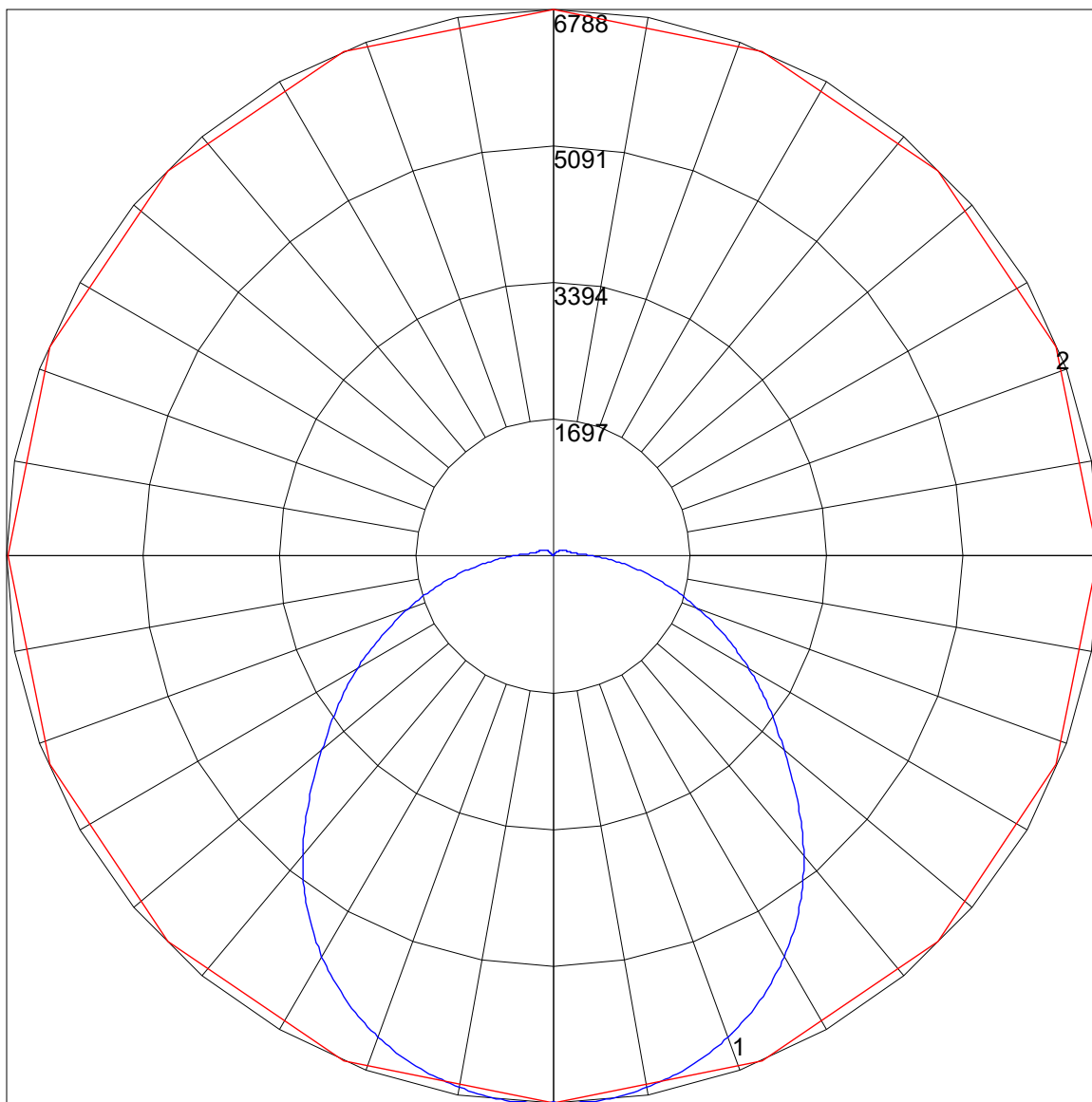
Reflectances

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	19.2	20.7	19.6	21.1	21.5	19.9	21.4	20.3	21.8	22.2
	3H	20.6	22.0	21.1	22.4	22.9	21.8	23.2	22.3	23.6	24.1
	4H	21.1	22.5	21.6	22.9	23.4	22.7	24.0	23.1	24.4	24.9
	6H	21.5	22.7	21.9	23.1	23.6	23.5	24.7	23.9	25.1	25.6
	8H	21.6	22.7	22.1	23.2	23.7	23.8	25.0	24.3	25.5	26.0
	12H	21.6	22.7	22.1	23.2	23.7	24.1	25.3	24.6	25.7	26.3
4H	2H	19.8	21.1	20.2	21.5	22.0	20.3	21.6	20.8	22.1	22.5
	3H	21.5	22.6	21.9	23.0	23.5	22.5	23.6	23.0	24.1	24.6
	4H	22.1	23.1	22.6	23.6	24.1	23.5	24.5	24.0	25.0	25.6
	6H	22.5	23.4	23.1	23.9	24.5	24.5	25.4	25.0	25.9	26.4
	8H	22.7	23.5	23.2	24.0	24.6	24.9	25.7	25.4	26.3	26.8
	12H	22.8	23.5	23.3	24.0	24.6	25.3	26.1	25.9	26.6	27.2
8H	4H	22.5	23.3	23.0	23.8	24.4	23.8	24.6	24.3	25.1	25.7
	6H	23.0	23.7	23.6	24.3	24.9	24.8	25.5	25.4	26.1	26.7
	8H	23.2	23.9	23.8	24.4	25.0	25.4	26.0	26.0	26.6	27.2
	12H	23.4	23.9	23.9	24.5	25.1	25.9	26.5	26.5	27.1	27.7
12H	4H	22.6	23.3	23.1	23.8	24.4	23.8	24.5	24.3	25.1	25.6
	6H	23.2	23.8	23.8	24.3	25.0	24.9	25.5	25.5	26.1	26.7
	8H	23.4	24.0	24.0	24.5	25.2	25.5	26.0	26.0	26.6	27.2

Maximum UGR = 27.7

POLAR GRAPH



Maximum Candela = 6787.9 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.)