



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 4 VL UV FA 930.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 VL 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] 256 white LEDs on four LS3872A8-3000K-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	15818
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
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)	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	9930	8966	8695
55	8745	7639	7649
65	7355	6350	6735
75	5853	5177	5805
85	3784	3900	4773

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1998.08	N.A.	12.60
0-30	4244.08	N.A.	26.80
0-40	6923.16	N.A.	43.80
0-60	11917.58	N.A.	75.30
0-80	14761.92	N.A.	93.30
0-90	15279.76	N.A.	96.60
10-90	14763.51	N.A.	93.30
20-40	4925.08	N.A.	31.10
20-50	7608.41	N.A.	48.10
40-70	6735.86	N.A.	42.60
60-80	2844.34	N.A.	18.00
70-80	1102.91	N.A.	7.00
80-90	517.84	N.A.	3.30
90-110	349.86	N.A.	2.20
90-120	444.02	N.A.	2.80
90-130	501.19	N.A.	3.20
90-150	537.55	N.A.	3.40
90-180	538.26	N.A.	3.40
110-180	188.40	N.A.	1.20
0-180	15818.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	516.25
10-20	1481.83
20-30	2246.00
30-40	2679.08
40-50	2683.34
50-60	2311.09
60-70	1741.43
70-80	1102.91
80-90	517.84
90-100	215.01
100-110	134.85
110-120	94.16
120-130	57.17
130-140	27.80
140-150	8.56
150-160	0.71
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

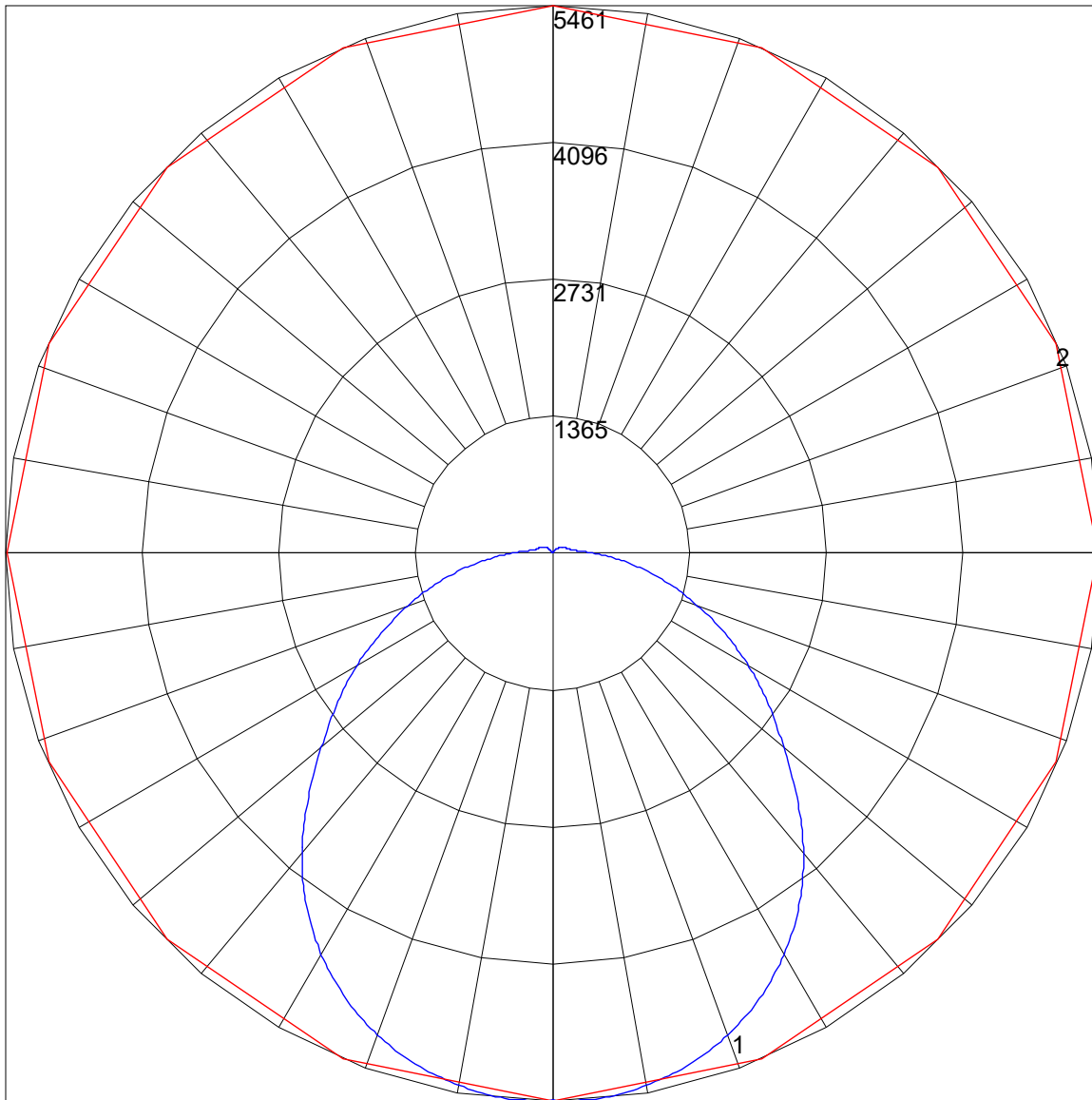
Reflectances

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	18.4	19.9	18.8	20.3	20.7	19.1	20.6	19.5	21.0	21.4
	3H	19.8	21.2	20.3	21.6	22.1	21.0	22.4	21.5	22.8	23.3
	4H	20.3	21.7	20.8	22.1	22.6	21.9	23.2	22.3	23.6	24.1
	6H	20.7	21.9	21.1	22.3	22.8	22.7	23.9	23.1	24.3	24.8
	8H	20.8	21.9	21.3	22.4	22.9	23.0	24.2	23.5	24.7	25.2
	12H	20.8	21.9	21.3	22.4	22.9	23.3	24.5	23.8	24.9	25.5
4H	2H	19.0	20.3	19.4	20.7	21.2	19.5	20.8	20.0	21.3	21.7
	3H	20.7	21.8	21.1	22.2	22.7	21.7	22.8	22.2	23.3	23.8
	4H	21.3	22.3	21.8	22.8	23.3	22.7	23.7	23.2	24.2	24.8
	6H	21.7	22.6	22.3	23.1	23.7	23.7	24.6	24.2	25.1	25.6
	8H	21.9	22.7	22.4	23.2	23.8	24.1	24.9	24.6	25.5	26.0
	12H	22.0	22.7	22.5	23.2	23.8	24.5	25.3	25.1	25.8	26.4
8H	4H	21.7	22.5	22.2	23.0	23.6	23.0	23.8	23.5	24.3	24.9
	6H	22.2	22.9	22.8	23.5	24.1	24.0	24.7	24.6	25.3	25.9
	8H	22.4	23.1	23.0	23.6	24.2	24.6	25.2	25.2	25.8	26.4
	12H	22.6	23.1	23.1	23.7	24.3	25.1	25.7	25.7	26.3	26.9
12H	4H	21.8	22.5	22.3	23.0	23.6	23.0	23.7	23.5	24.3	24.8
	6H	22.4	23.0	23.0	23.5	24.2	24.1	24.7	24.7	25.3	25.9
	8H	22.6	23.2	23.2	23.7	24.4	24.7	25.2	25.2	25.8	26.4

Maximum UGR = 26.9

POLAR GRAPH



Maximum Candela = 5461.223 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.)