



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 4 VH 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 VH 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] 504 white LEDs on six LS3872A10-3000K-R90 LED boards with 84 LEDs
[MORE] each.

[BALLAST] Three ULT Everline D21CC80UNVPW-C LED drivers at 1680mA

[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	31396
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	222.6
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	19708	17796	17259
55	17358	15161	15182
65	14598	12603	13368
75	11617	10275	11522
85	7511	7741	9475

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3965.83	N.A.	12.60
0-30	8423.74	N.A.	26.80
0-40	13741.24	N.A.	43.80
0-60	23654.29	N.A.	75.30
0-80	29299.81	N.A.	93.30
0-90	30327.62	N.A.	96.60
10-90	29302.96	N.A.	93.30
20-40	9775.41	N.A.	31.10
20-50	15101.36	N.A.	48.10
40-70	13369.49	N.A.	42.60
60-80	5645.52	N.A.	18.00
70-80	2189.08	N.A.	7.00
80-90	1027.82	N.A.	3.30
90-110	694.41	N.A.	2.20
90-120	881.30	N.A.	2.80
90-130	994.77	N.A.	3.20
90-150	1066.94	N.A.	3.40
90-180	1068.35	N.A.	3.40
110-180	373.95	N.A.	1.20
0-180	31395.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1024.66
10-20	2941.17
20-30	4457.91
30-40	5317.5
40-50	5325.95
50-60	4587.1
60-70	3456.44
70-80	2189.08
80-90	1027.82
90-100	426.75
100-110	267.65
110-120	186.89
120-130	113.48
130-140	55.18
140-150	16.99
150-160	1.41
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

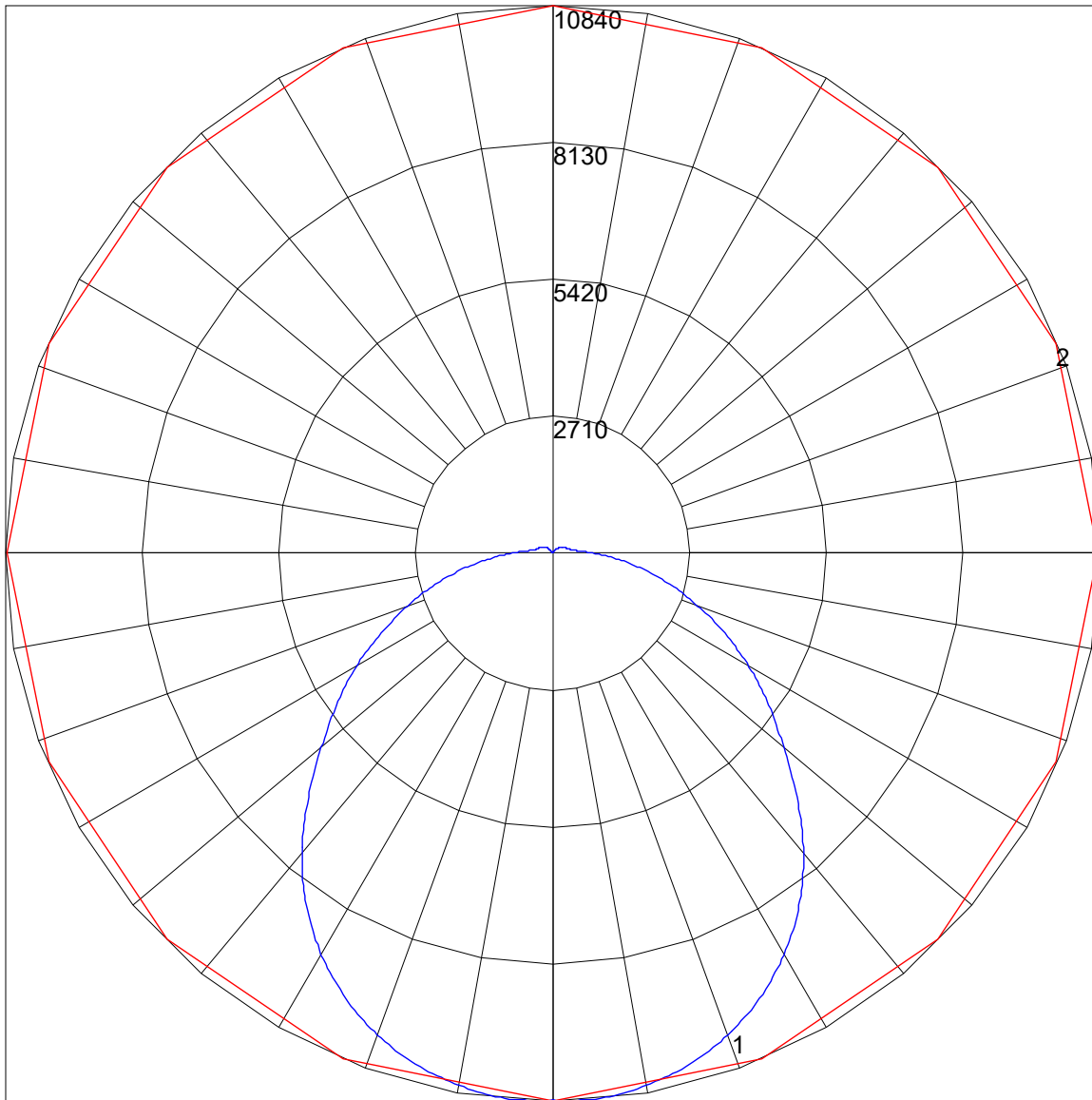
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UGR TABLE - CORRECTED

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	20.8	22.3	21.2	22.7	23.1	21.5	23.0	21.9	23.4	23.8
	3H	22.2	23.6	22.7	24.0	24.5	23.4	24.8	23.9	25.2	25.7
	4H	22.7	24.1	23.2	24.5	25.0	24.3	25.6	24.7	26.0	26.5
	6H	23.1	24.3	23.5	24.7	25.2	25.1	26.3	25.5	26.7	27.2
	8H	23.2	24.3	23.7	24.8	25.3	25.4	26.6	25.9	27.1	27.6
	12H	23.2	24.3	23.7	24.8	25.3	25.7	26.9	26.2	27.3	27.9
4H	2H	21.4	22.7	21.8	23.1	23.6	21.9	23.2	22.4	23.7	24.1
	3H	23.1	24.2	23.5	24.6	25.1	24.1	25.2	24.6	25.7	26.2
	4H	23.7	24.7	24.2	25.2	25.7	25.1	26.1	25.6	26.6	27.2
	6H	24.1	25.0	24.7	25.5	26.1	26.1	27.0	26.6	27.5	28.0
	8H	24.3	25.1	24.8	25.6	26.2	26.5	27.3	27.0	27.9	28.4
	12H	24.4	25.1	24.9	25.6	26.2	26.9	27.7	27.5	28.2	28.8
8H	4H	24.1	24.9	24.6	25.4	26.0	25.4	26.2	25.9	26.7	27.3
	6H	24.6	25.3	25.2	25.9	26.5	26.4	27.1	27.0	27.7	28.3
	8H	24.8	25.5	25.4	26.0	26.6	27.0	27.6	27.6	28.2	28.8
	12H	25.0	25.5	25.5	26.1	26.7	27.5	28.1	28.1	28.7	29.3
12H	4H	24.2	24.9	24.7	25.4	26.0	25.4	26.1	25.9	26.7	27.2
	6H	24.8	25.4	25.4	25.9	26.6	26.5	27.1	27.1	27.7	28.3
	8H	25.0	25.6	25.6	26.1	26.8	27.1	27.6	27.6	28.2	28.8

Maximum UGR = 29.3

POLAR GRAPH



Maximum Candela = 10839.564 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.)