



IES INDOOR REPORT

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

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

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

[LAMP] 336 white LEDs on four LS3872A10-4000K-R90 LED boards with 84 LEDs

[MORE] each.

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

[OTHER] 120.0Vac, 60.00Hz, 1.157A, 138.5W, 0.997PF, 6.2%THD(i)

[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	20076
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	138.48
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	22753	21204	21727
55	20112	18488	19571
65	17227	15478	16847
75	14077	12104	13713
85	9325	8577	10078

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2497.28	N.A.	12.40
0-30	5301.04	N.A.	26.40
0-40	8655.31	N.A.	43.10
0-60	15091.27	N.A.	75.20
0-80	18848.6	N.A.	93.90
0-90	19519.4	N.A.	97.20
10-90	18873.84	N.A.	94.00
20-40	6158.03	N.A.	30.70
20-50	9573.46	N.A.	47.70
40-70	8741.84	N.A.	43.50
60-80	3757.34	N.A.	18.70
70-80	1451.46	N.A.	7.20
80-90	670.80	N.A.	3.30
90-110	401.88	N.A.	2.00
90-120	487.94	N.A.	2.40
90-130	532.99	N.A.	2.70
90-150	555.66	N.A.	2.80
90-180	556.59	N.A.	2.80
110-180	154.71	N.A.	0.80
0-180	20075.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	645.56
10-20	1851.72
20-30	2803.76
30-40	3354.27
40-50	3415.43
50-60	3020.53
60-70	2305.88
70-80	1451.46
80-90	670.80
90-100	262.59
100-110	139.29
110-120	86.06
120-130	45.04
130-140	17.68
140-150	5.00
150-160	0.94
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

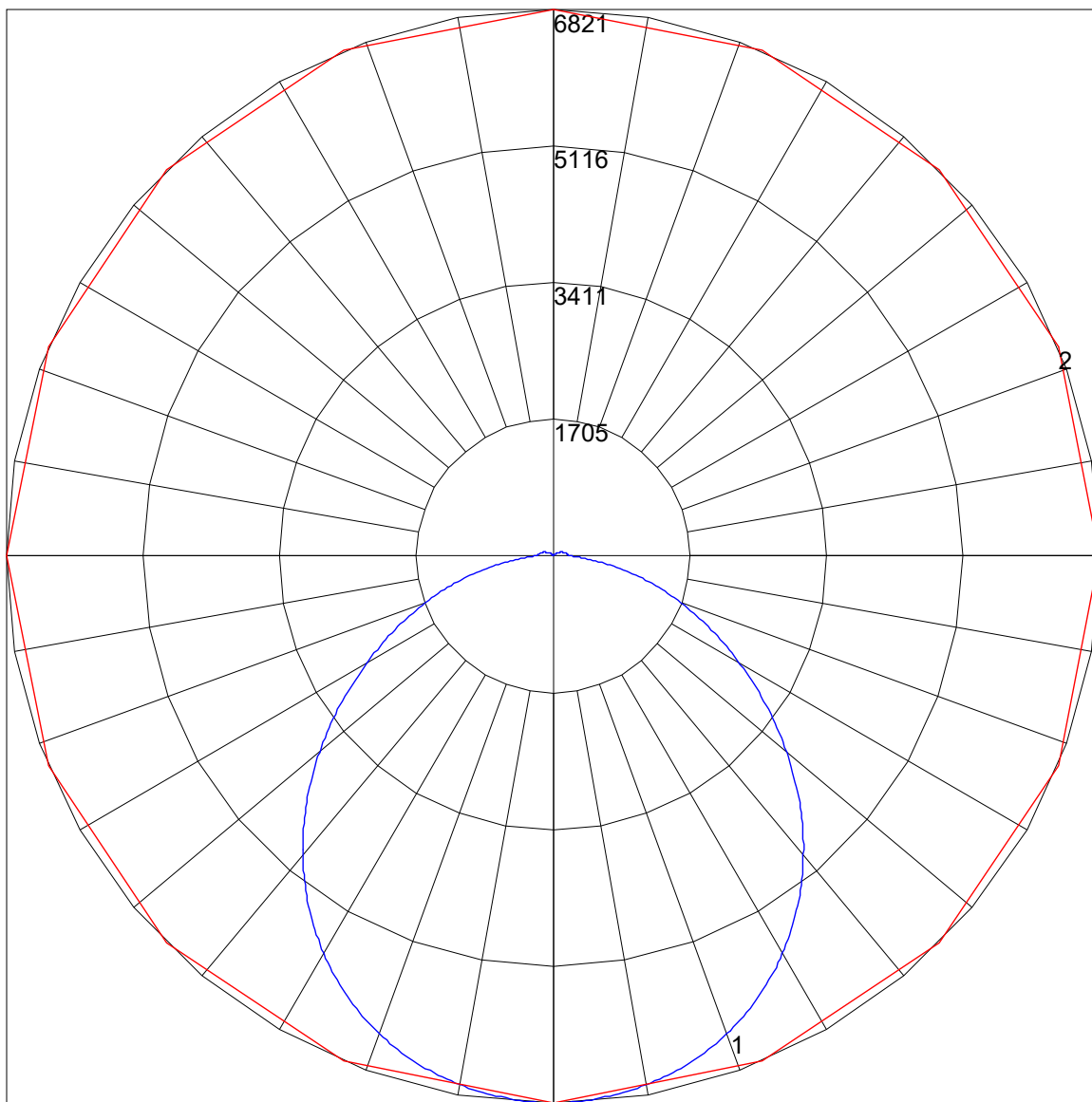
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UGR TABLE - CORRECTED

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	21.6	23.1	22.0	23.5	23.9	22.2	23.8	22.7	24.2	24.6
	3H	23.2	24.6	23.6	25.0	25.4	24.1	25.5	24.5	25.9	26.3
	4H	23.8	25.1	24.2	25.5	26.0	24.8	26.1	25.2	26.6	27.0
	6H	24.2	25.4	24.6	25.9	26.3	25.4	26.7	25.9	27.1	27.6
	8H	24.3	25.5	24.8	26.0	26.4	25.7	26.9	26.1	27.3	27.8
	12H	24.4	25.6	24.9	26.0	26.5	25.9	27.0	26.3	27.5	28.0
4H	2H	22.2	23.5	22.6	23.9	24.4	22.7	24.1	23.2	24.5	24.9
	3H	24.0	25.1	24.5	25.6	26.1	24.8	25.9	25.2	26.4	26.8
	4H	24.7	25.8	25.2	26.2	26.7	25.6	26.7	26.1	27.1	27.7
	6H	25.3	26.2	25.8	26.7	27.2	26.4	27.3	26.9	27.8	28.3
	8H	25.5	26.3	26.0	26.8	27.3	26.7	27.6	27.2	28.1	28.6
	12H	25.6	26.4	26.1	26.9	27.4	27.0	27.8	27.5	28.3	28.8
8H	4H	25.1	25.9	25.6	26.4	26.9	25.9	26.7	26.4	27.2	27.8
	6H	25.7	26.4	26.3	27.0	27.5	26.8	27.5	27.3	28.0	28.6
	8H	26.0	26.6	26.5	27.2	27.7	27.2	27.8	27.7	28.4	28.9
	12H	26.2	26.8	26.8	27.3	27.9	27.6	28.1	28.1	28.7	29.3
12H	4H	25.1	25.9	25.6	26.4	26.9	25.9	26.7	26.4	27.2	27.7
	6H	25.8	26.5	26.4	27.0	27.6	26.8	27.5	27.4	28.0	28.6
	8H	26.2	26.7	26.7	27.3	27.9	27.3	27.9	27.8	28.4	29.0

Maximum UGR = 29.3

POLAR GRAPH



Maximum Candela = 6821 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.)