



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 LW UV FR 950.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-003(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 5/20/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL N G2 2 LW UV FR 950

[LUMINAIRE] Surface or suspended mounted, formed white painted steel housing/reflector,

[MORE] translucent curved plastic enclosure.

[LAMP] 28 white LEDs on one LS3872A LED board

[BALLAST] One ULT D700C20UNVPW-C LED driver labeled as 160mA

[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	1072
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	8.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.99 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.06 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7741	7073	6982
55	6629	6196	6185
65	5255	5175	5246
75	3772	4150	4194
85	2084	3365	3305

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	131.12	N.A.	12.20
0-30	278.96	N.A.	26.00
0-40	456.55	N.A.	42.60
0-60	797.96	N.A.	74.40
0-80	994.87	N.A.	92.80
0-90	1034.59	N.A.	96.50
10-90	1000.74	N.A.	93.30
20-40	325.44	N.A.	30.30
20-50	506.92	N.A.	47.30
40-70	462.00	N.A.	43.10
60-80	196.91	N.A.	18.40
70-80	76.32	N.A.	7.10
80-90	39.72	N.A.	3.70
90-110	27.47	N.A.	2.60
90-120	32.21	N.A.	3.00
90-130	34.82	N.A.	3.20
90-150	37.16	N.A.	3.50
90-180	37.81	N.A.	3.50
110-180	10.34	N.A.	1.00
0-180	1072.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	33.85
10-20	97.27
20-30	147.84
30-40	177.59
40-50	181.48
50-60	159.92
60-70	120.59
70-80	76.32
80-90	39.72
90-100	18.46
100-110	9.01
110-120	4.74
120-130	2.61
130-140	1.49
140-150	0.85
150-160	0.47
160-170	0.17
170-180	0.02

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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	95	92	95	91	88	90	87	85	86	84	82	79
2	97	89	82	76	94	87	80	75	82	77	72	79	74	70	75	71	68	66
3	89	78	70	63	86	76	68	62	73	66	61	69	64	59	66	62	58	55
4	81	69	60	53	79	67	59	53	65	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	55	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	38	48	42	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	43	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	23

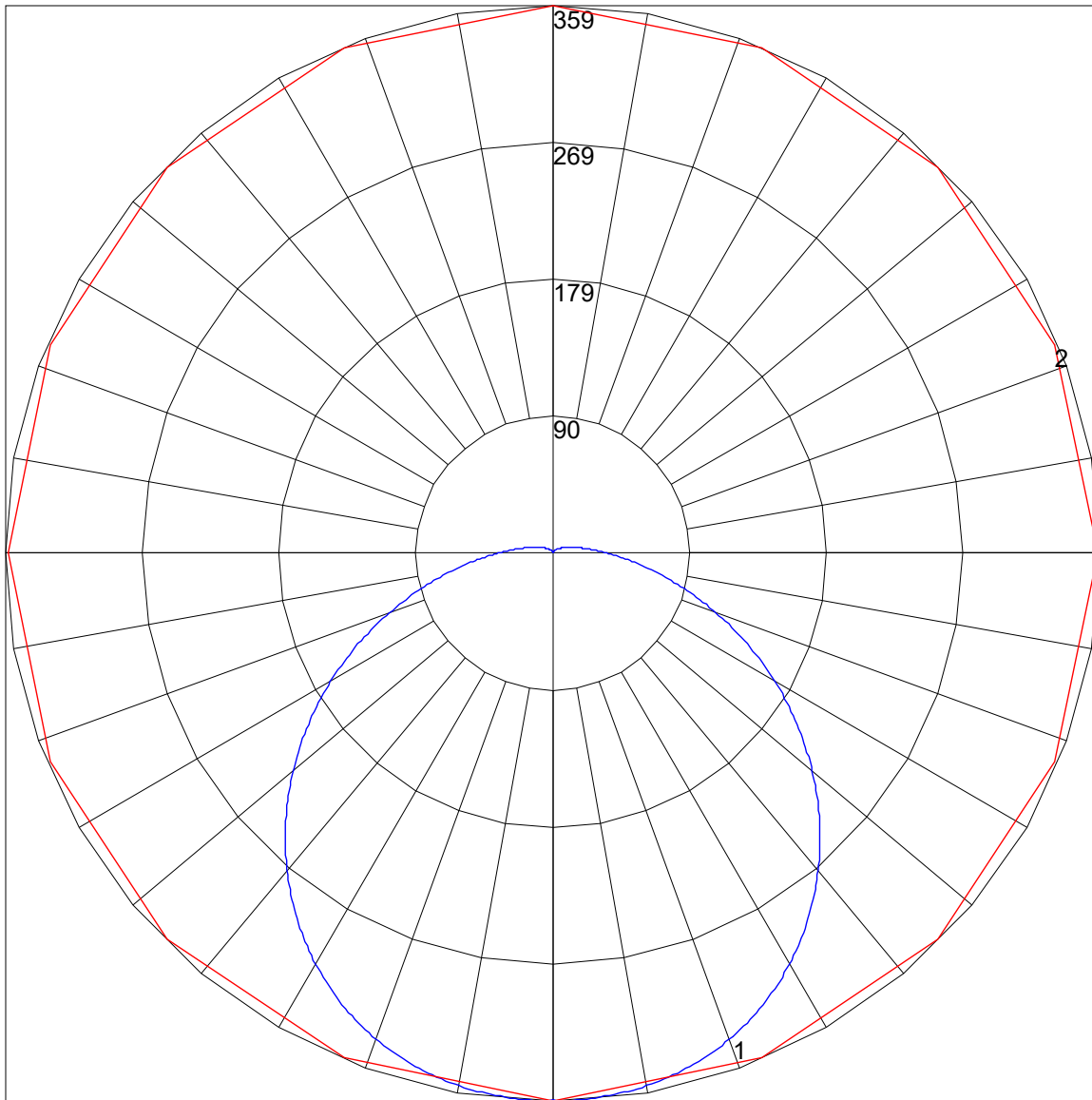
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**UGR TABLE - CORRECTED**

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	16.8	18.3	17.2	18.7	19.2	18.9	20.5	19.3	20.9	21.3
	3H	18.0	19.4	18.4	19.8	20.3	20.9	22.3	21.3	22.7	23.2
	4H	18.3	19.7	18.8	20.1	20.6	21.8	23.1	22.2	23.5	24.0
	6H	18.5	19.8	19.0	20.2	20.7	22.6	23.8	23.1	24.3	24.8
	8H	18.6	19.8	19.1	20.2	20.7	23.0	24.1	23.5	24.6	25.1
	12H	18.6	19.7	19.1	20.2	20.7	23.4	24.5	23.9	25.0	25.5
4H	2H	17.6	19.0	18.1	19.4	19.9	19.3	20.7	19.8	21.1	21.6
	3H	19.1	20.2	19.6	20.7	21.2	21.5	22.7	22.0	23.1	23.6
	4H	19.6	20.6	20.1	21.1	21.6	22.6	23.6	23.0	24.1	24.6
	6H	19.9	20.8	20.4	21.3	21.8	23.5	24.4	24.1	24.9	25.5
	8H	19.9	20.8	20.5	21.3	21.8	24.0	24.8	24.5	25.4	25.9
	12H	20.0	20.7	20.5	21.3	21.8	24.5	25.3	25.0	25.8	26.4
8H	4H	20.1	21.0	20.6	21.5	22.0	22.7	23.6	23.3	24.1	24.6
	6H	20.6	21.3	21.1	21.8	22.4	23.9	24.6	24.4	25.1	25.7
	8H	20.7	21.4	21.3	21.9	22.5	24.4	25.1	25.0	25.7	26.2
	12H	20.8	21.4	21.4	21.9	22.6	25.1	25.7	25.7	26.2	26.9
12H	4H	20.2	21.0	20.8	21.5	22.1	22.7	23.5	23.3	24.0	24.6
	6H	20.8	21.4	21.4	22.0	22.6	23.9	24.5	24.5	25.1	25.7
	8H	21.0	21.6	21.6	22.1	22.8	24.5	25.1	25.1	25.7	26.3

Maximum UGR = 26.9

POLAR GRAPH



Maximum Candela = 358.742 Located At Horizontal Angle = 90, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)