



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL15 UV FR 935 @300MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-003(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/6/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL N G2 2 SEL15 UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 28 LED board, 3500K

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set at 300mA

[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	1914
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	14.1
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	13819	12627	12463
55	11834	11060	11041
65	9381	9239	9365
75	6734	7408	7487
85	3721	6008	5900

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	234.06	N.A.	12.20
0-30	497.98	N.A.	26.00
0-40	815.01	N.A.	42.60
0-60	1424.46	N.A.	74.40
0-80	1775.98	N.A.	92.80
0-90	1846.88	N.A.	96.50
10-90	1786.45	N.A.	93.30
20-40	580.94	N.A.	30.30
20-50	904.92	N.A.	47.30
40-70	824.72	N.A.	43.10
60-80	351.51	N.A.	18.40
70-80	136.25	N.A.	7.10
80-90	70.90	N.A.	3.70
90-110	49.04	N.A.	2.60
90-120	57.51	N.A.	3.00
90-130	62.16	N.A.	3.20
90-150	66.33	N.A.	3.50
90-180	67.50	N.A.	3.50
110-180	18.46	N.A.	1.00
0-180	1914.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	60.42
10-20	173.64
20-30	263.92
30-40	317.02
40-50	323.97
50-60	285.48
60-70	215.27
70-80	136.25
80-90	70.90
90-100	32.94
100-110	16.09
110-120	8.47
120-130	4.65
130-140	2.66
140-150	1.51
150-160	0.84
160-170	0.30
170-180	0.03

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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	96
1	107	102	98	93	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	45	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	47	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

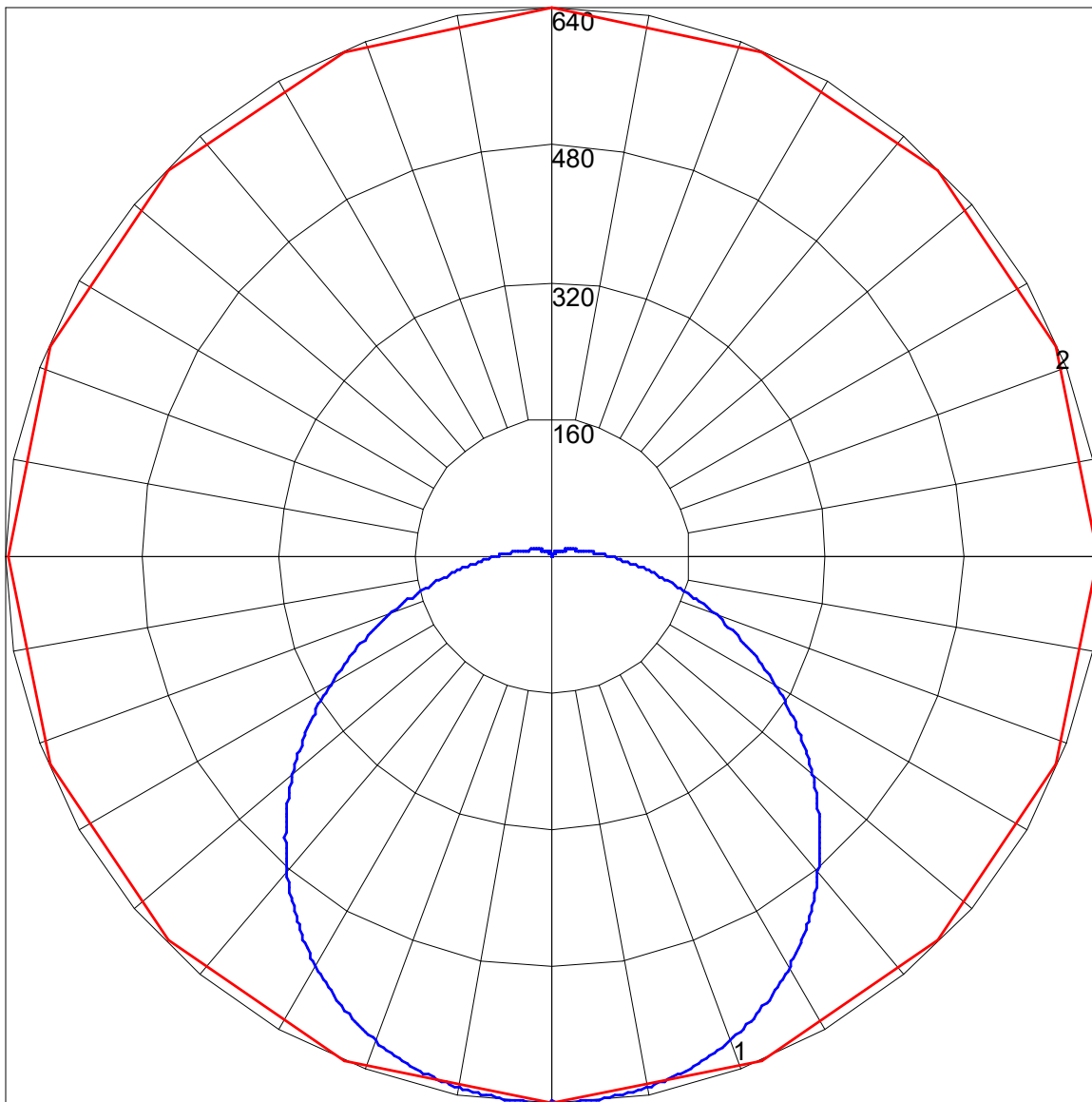
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**UGR TABLE - CORRECTED**

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	18.9	20.4	19.3	20.8	21.3	21.0	22.6	21.4	23.0	23.4
	3H	20.1	21.5	20.5	21.9	22.4	23.0	24.4	23.5	24.8	25.3
	4H	20.4	21.8	20.9	22.2	22.7	23.9	25.2	24.3	25.6	26.1
	6H	20.6	21.9	21.1	22.3	22.8	24.7	25.9	25.2	26.4	26.9
	8H	20.7	21.9	21.2	22.3	22.8	25.1	26.2	25.6	26.7	27.2
	12H	20.7	21.8	21.2	22.3	22.8	25.5	26.6	26.0	27.1	27.6
4H	2H	19.7	21.1	20.2	21.5	22.0	21.4	22.8	21.9	23.2	23.7
	3H	21.2	22.3	21.7	22.8	23.3	23.6	24.8	24.1	25.2	25.7
	4H	21.7	22.7	22.2	23.2	23.7	24.7	25.7	25.1	26.2	26.7
	6H	22.0	22.9	22.5	23.4	23.9	25.6	26.5	26.2	27.0	27.6
	8H	22.0	22.9	22.6	23.4	23.9	26.1	26.9	26.6	27.5	28.0
	12H	22.1	22.8	22.6	23.4	23.9	26.6	27.4	27.1	27.9	28.5
8H	4H	22.2	23.1	22.7	23.6	24.1	24.8	25.7	25.4	26.2	26.8
	6H	22.7	23.4	23.2	23.9	24.5	26.0	26.7	26.5	27.2	27.8
	8H	22.8	23.5	23.4	24.0	24.6	26.5	27.2	27.1	27.8	28.3
	12H	22.9	23.5	23.5	24.0	24.7	27.2	27.8	27.8	28.3	29.0
12H	4H	22.3	23.1	22.9	23.6	24.2	24.8	25.6	25.4	26.1	26.7
	6H	22.9	23.5	23.5	24.1	24.7	26.0	26.6	26.6	27.2	27.8
	8H	23.1	23.7	23.7	24.2	24.9	26.7	27.2	27.2	27.8	28.4

Maximum UGR = 29.0

POLAR GRAPH



Maximum Candela = 640.4 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.)