



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL25 UV FR 940 @350MA.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 SEL25 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 48 LED board, 4000K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set at 350mA

[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	2661
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	17.8
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	19205	17549	17322
55	16447	15371	15345
65	13038	12840	13015
75	9359	10295	10406
85	5171	8349	8200

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	325.30	N.A.	12.20
0-30	692.09	N.A.	26.00
0-40	1132.69	N.A.	42.60
0-60	1979.7	N.A.	74.40
0-80	2468.23	N.A.	92.80
0-90	2566.77	N.A.	96.50
10-90	2482.8	N.A.	93.30
20-40	807.39	N.A.	30.30
20-50	1257.64	N.A.	47.30
40-70	1146.19	N.A.	43.10
60-80	488.53	N.A.	18.40
70-80	189.35	N.A.	7.10
80-90	98.54	N.A.	3.70
90-110	68.15	N.A.	2.60
90-120	79.92	N.A.	3.00
90-130	86.39	N.A.	3.20
90-150	92.18	N.A.	3.50
90-180	93.81	N.A.	3.50
110-180	25.66	N.A.	1.00
0-180	2660.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.98
10-20	241.32
20-30	366.79
30-40	440.60
40-50	450.25
50-60	396.76
60-70	299.18
70-80	189.35
80-90	98.54
90-100	45.79
100-110	22.36
110-120	11.77
120-130	6.47
130-140	3.69
140-150	2.10
150-160	1.16
160-170	0.42
170-180	0.04

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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	99	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	64	57	52	62	56	51	59	54	49	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	30	40	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

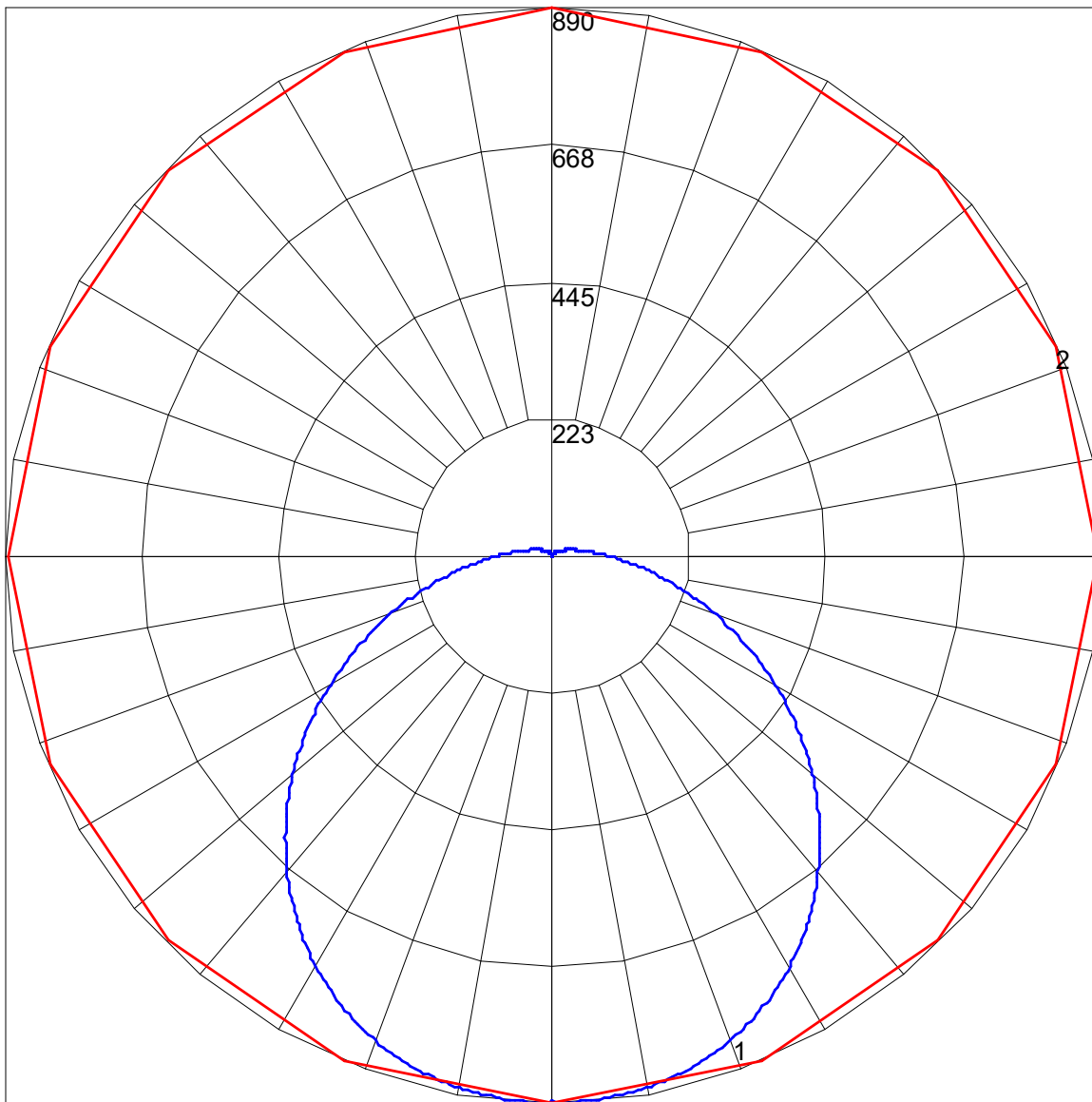
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UGR TABLE - CORRECTED

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	20.0	21.5	20.4	21.9	22.4	22.1	23.7	22.5	24.1	24.5
	3H	21.2	22.6	21.6	23.0	23.5	24.1	25.5	24.6	25.9	26.4
	4H	21.5	22.9	22.0	23.3	23.8	25.0	26.3	25.4	26.7	27.2
	6H	21.7	23.0	22.2	23.4	23.9	25.8	27.0	26.3	27.5	28.0
	8H	21.8	23.0	22.3	23.4	23.9	26.2	27.3	26.7	27.8	28.3
	12H	21.8	22.9	22.3	23.4	23.9	26.6	27.7	27.1	28.2	28.7
4H	2H	20.8	22.2	21.3	22.6	23.1	22.5	23.9	23.0	24.3	24.8
	3H	22.3	23.4	22.8	23.9	24.4	24.7	25.9	25.2	26.3	26.8
	4H	22.8	23.8	23.3	24.3	24.8	25.8	26.8	26.2	27.3	27.8
	6H	23.1	24.0	23.6	24.5	25.0	26.7	27.6	27.3	28.1	28.7
	8H	23.1	24.0	23.7	24.5	25.0	27.2	28.0	27.7	28.6	29.1
	12H	23.2	23.9	23.7	24.5	25.0	27.7	28.5	28.2	29.0	29.6
8H	4H	23.3	24.2	23.8	24.7	25.2	25.9	26.8	26.5	27.3	27.9
	6H	23.8	24.5	24.3	25.0	25.6	27.1	27.8	27.6	28.3	28.9
	8H	23.9	24.6	24.5	25.1	25.7	27.6	28.3	28.2	28.9	29.4
	12H	24.0	24.6	24.6	25.1	25.8	28.3	28.9	28.9	29.4	30.1
12H	4H	23.4	24.2	24.0	24.7	25.3	25.9	26.7	26.5	27.2	27.8
	6H	24.0	24.6	24.6	25.2	25.8	27.1	27.7	27.7	28.3	28.9
	8H	24.2	24.8	24.8	25.3	26.0	27.8	28.3	28.3	28.9	29.5

Maximum UGR = 30.1

POLAR GRAPH



Maximum Candela = 890.022 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.)