



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 8 SEL75 UV FR 940 @1200MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-006(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/6/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL N G2 8 SEL75 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 4000K

[BALLAST] One KTLD-75-UV-PS1400-54-VDIM-LM2 LED driver set at 1200mA

[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	9192
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	58.6
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)	7.67 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	18010	16025	15537
55	15690	14161	13760
65	12639	11895	11546
75	9282	9520	9046
85	5632	7733	6858

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1126.94	N.A.	12.30
0-30	2396.3	N.A.	26.10
0-40	3923.33	N.A.	42.70
0-60	6876.26	N.A.	74.80
0-80	8567.08	N.A.	93.20
0-90	8896.65	N.A.	96.80
10-90	8605.54	N.A.	93.60
20-40	2796.39	N.A.	30.40
20-50	4363.58	N.A.	47.50
40-70	3994.4	N.A.	43.50
60-80	1690.83	N.A.	18.40
70-80	649.35	N.A.	7.10
80-90	329.57	N.A.	3.60
90-110	221.39	N.A.	2.40
90-120	258.44	N.A.	2.80
90-130	278.03	N.A.	3.00
90-150	292.73	N.A.	3.20
90-180	295.30	N.A.	3.20
110-180	73.91	N.A.	0.80
0-180	9191.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	291.10
10-20	835.84
20-30	1269.35
30-40	1527.03
40-50	1567.2
50-60	1385.73
60-70	1041.47
70-80	649.35
80-90	329.57
90-100	149.43
100-110	71.97
110-120	37.05
120-130	19.59
130-140	10.02
140-150	4.67
150-160	2.00
160-170	0.58
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	91	88	90	88	85	86	84	82	80
2	97	89	82	76	94	87	80	75	83	77	73	79	74	70	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	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	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

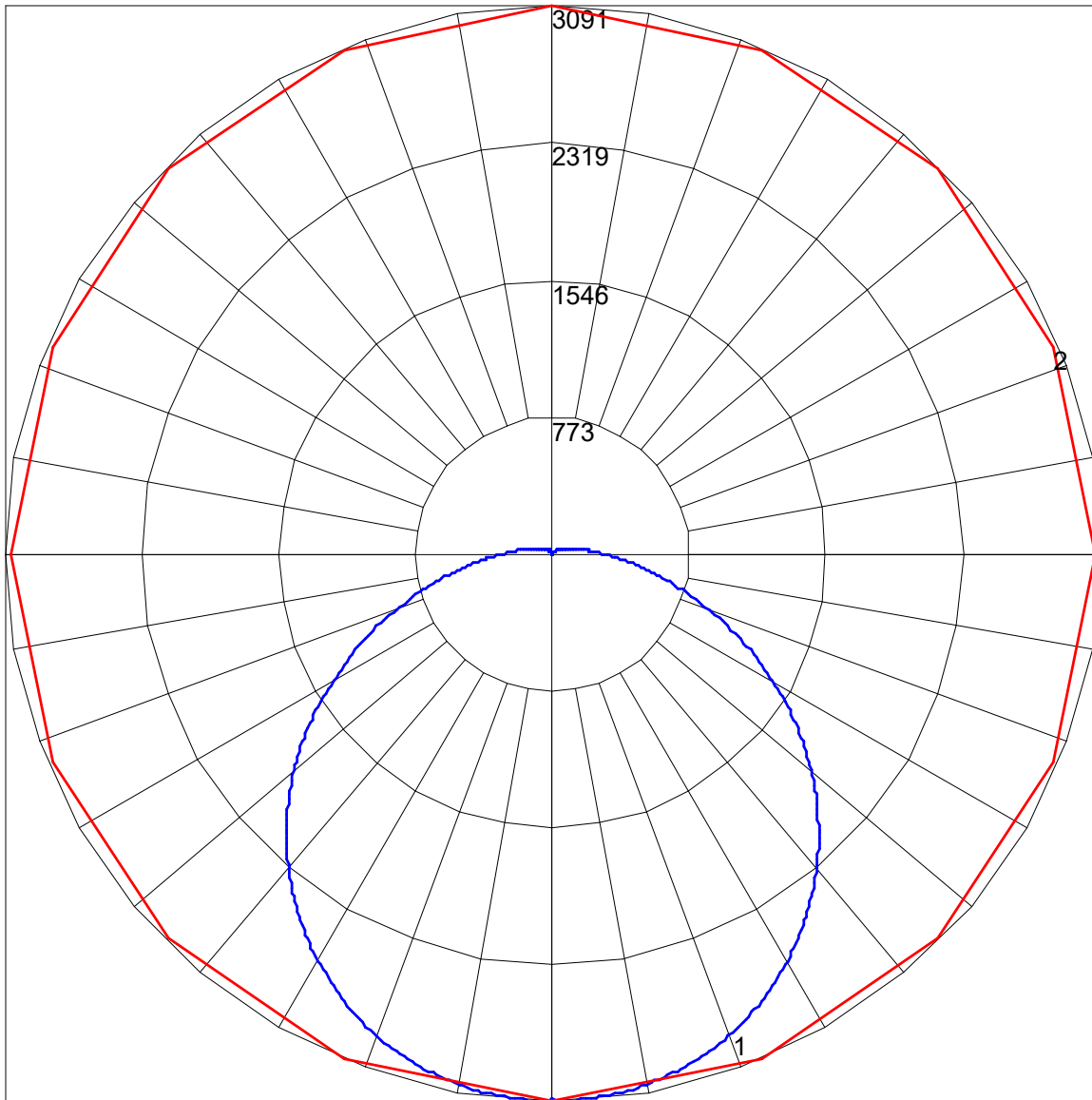
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**UGR TABLE - CORRECTED**

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	19.8	21.4	20.2	21.8	22.2	21.9	23.5	22.3	23.8	24.2
	3H	21.0	22.5	21.5	22.9	23.3	23.9	25.3	24.3	25.7	26.1
	4H	21.4	22.7	21.8	23.1	23.6	24.7	26.1	25.2	26.5	26.9
	6H	21.6	22.8	22.0	23.3	23.7	25.5	26.8	26.0	27.2	27.7
	8H	21.6	22.8	22.1	23.3	23.7	25.9	27.1	26.4	27.5	28.0
	12H	21.6	22.8	22.1	23.2	23.7	26.3	27.4	26.8	27.9	28.4
4H	2H	20.7	22.0	21.1	22.4	22.9	22.3	23.6	22.7	24.1	24.5
	3H	22.1	23.3	22.6	23.7	24.2	24.5	25.6	24.9	26.1	26.6
	4H	22.6	23.6	23.1	24.1	24.6	25.5	26.5	26.0	27.0	27.5
	6H	22.9	23.8	23.4	24.3	24.8	26.4	27.4	26.9	27.9	28.4
	8H	22.9	23.8	23.4	24.3	24.8	26.9	27.8	27.4	28.3	28.8
	12H	23.0	23.8	23.5	24.3	24.8	27.4	28.2	27.9	28.7	29.3
8H	4H	23.1	24.0	23.6	24.5	25.0	25.7	26.5	26.2	27.0	27.6
	6H	23.6	24.3	24.1	24.9	25.4	26.8	27.5	27.3	28.0	28.6
	8H	23.7	24.4	24.3	24.9	25.5	27.3	28.0	27.9	28.6	29.1
	12H	23.8	24.4	24.4	24.9	25.6	28.0	28.6	28.5	29.1	29.7
12H	4H	23.2	24.0	23.8	24.6	25.1	25.7	26.4	26.2	27.0	27.5
	6H	23.8	24.4	24.3	25.0	25.6	26.8	27.5	27.4	28.0	28.6
	8H	24.0	24.6	24.6	25.1	25.8	27.4	28.0	28.0	28.6	29.2

Maximum UGR = 29.7

POLAR GRAPH



Maximum Candela = 3091.472 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.)