

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 SEL75 UV FR 935 @1100MA.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 4 SEL75 UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 64 LED boards, 3500K

[BALLAST] One KTLD-75-UV-PS1400-54-VDIM-LM2 LED driver set at 1100mA

[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	8110
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	54.8
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)	3.84 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	31437	28066	27339
55	27294	24763	24213
65	21863	20756	20316
75	15864	16556	15918
85	9131	13357	12068

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	994.23	N.A.	12.30
0-30	2114.11	N.A.	26.10
0-40	3461.33	N.A.	42.70
0-60	6066.52	N.A.	74.80
0-80	7558.24	N.A.	93.20
0-90	7849.00	N.A.	96.80
10-90	7592.17	N.A.	93.60
20-40	2467.09	N.A.	30.40
20-50	3849.74	N.A.	47.50
40-70	3524.03	N.A.	43.50
60-80	1491.72	N.A.	18.40
70-80	572.89	N.A.	7.10
80-90	290.76	N.A.	3.60
90-110	195.32	N.A.	2.40
90-120	228.01	N.A.	2.80
90-130	245.29	N.A.	3.00
90-150	258.26	N.A.	3.20
90-180	260.53	N.A.	3.20
110-180	65.20	N.A.	0.80
0-180	8109.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	256.82
10-20	737.41
20-30	1119.88
30-40	1347.21
40-50	1382.65
50-60	1222.55
60-70	918.83
70-80	572.89
80-90	290.76
90-100	131.83
100-110	63.49
110-120	32.68
120-130	17.28
130-140	8.84
140-150	4.12
150-160	1.77
160-170	0.51
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

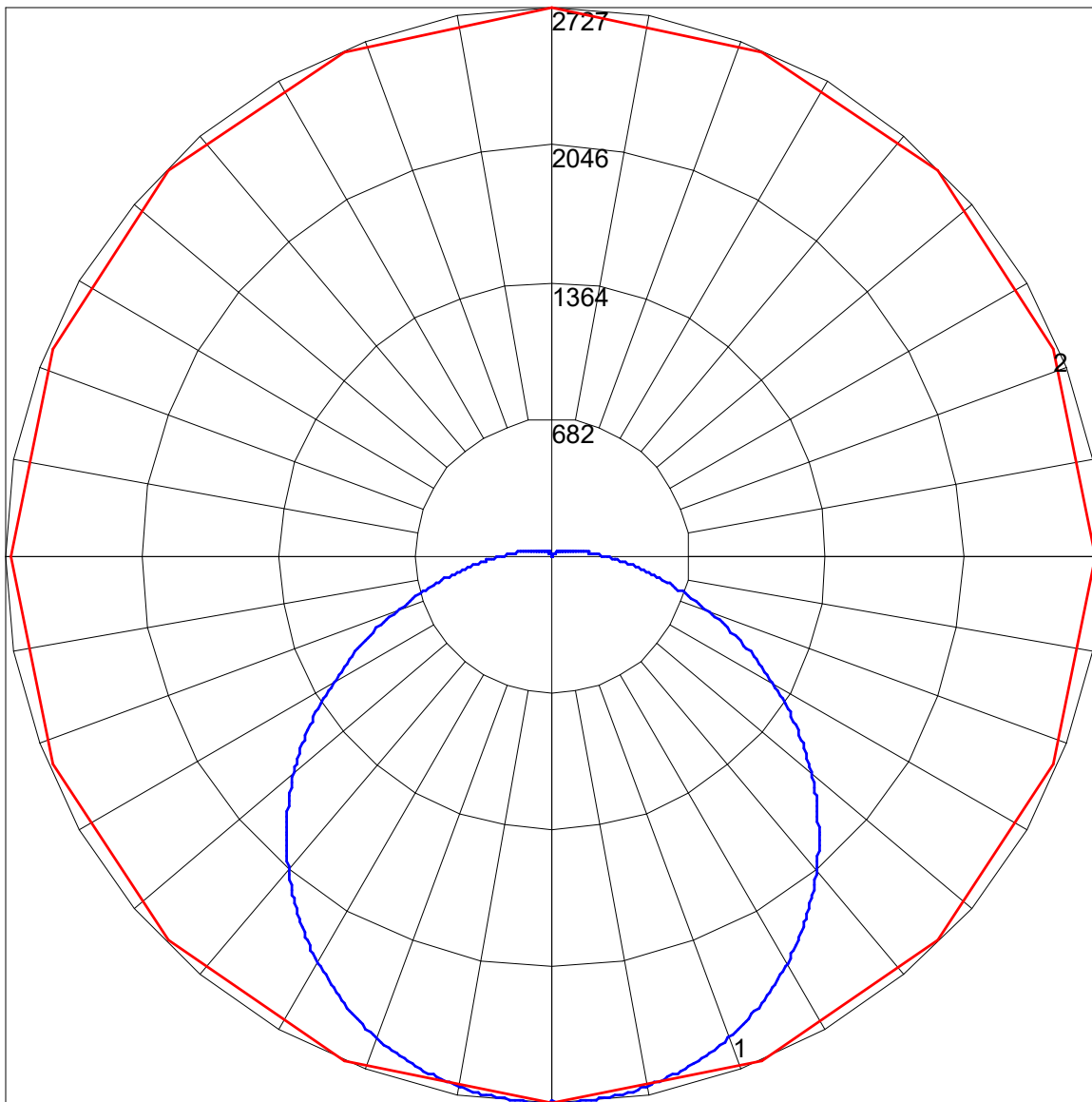
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UGR TABLE - CORRECTED

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	21.8	23.4	22.2	23.8	24.2	23.8	25.4	24.2	25.8	26.2
	3H	23.0	24.5	23.5	24.8	25.3	25.8	27.2	26.2	27.6	28.1
	4H	23.4	24.7	23.8	25.1	25.6	26.7	28.0	27.1	28.4	28.9
	6H	23.6	24.8	24.0	25.3	25.7	27.4	28.7	27.9	29.1	29.6
	8H	23.6	24.8	24.1	25.3	25.7	27.8	29.0	28.3	29.5	29.9
	12H	23.6	24.8	24.1	25.2	25.7	28.2	29.4	28.7	29.8	30.3
4H	2H	22.7	24.0	23.1	24.4	24.9	24.3	25.6	24.7	26.0	26.5
	3H	24.1	25.2	24.5	25.7	26.2	26.4	27.6	26.9	28.0	28.5
	4H	24.6	25.6	25.0	26.1	26.6	27.4	28.5	27.9	28.9	29.4
	6H	24.9	25.8	25.4	26.3	26.8	28.4	29.3	28.9	29.8	30.3
	8H	24.9	25.8	25.4	26.3	26.8	28.8	29.7	29.3	30.2	30.7
	12H	25.0	25.7	25.5	26.3	26.8	29.3	30.1	29.8	30.6	31.2
8H	4H	25.1	26.0	25.6	26.5	27.0	27.6	28.5	28.1	29.0	29.5
	6H	25.6	26.3	26.1	26.8	27.4	28.7	29.4	29.2	30.0	30.5
	8H	25.7	26.4	26.2	26.9	27.5	29.3	29.9	29.8	30.5	31.0
	12H	25.8	26.4	26.3	26.9	27.5	29.9	30.5	30.4	31.0	31.6
12H	4H	25.2	26.0	25.7	26.5	27.1	27.6	28.4	28.1	28.9	29.5
	6H	25.8	26.4	26.3	26.9	27.5	28.7	29.4	29.3	29.9	30.5
	8H	26.0	26.6	26.5	27.1	27.7	29.4	29.9	29.9	30.5	31.1

Maximum UGR = 31.6

POLAR GRAPH



Maximum Candela = 2727.427 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.)