



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL35 UV FR 940 @650MA.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 6 SEL35 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 28 LED boards, 4000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set at 650mA

[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	4346
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	27.9
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)	5.84 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	11144	9926	9638
55	9698	8767	8536
65	7798	7359	7162
75	5705	5884	5612
85	3403	4769	4254

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	532.87	N.A.	12.30
0-30	1133.08	N.A.	26.10
0-40	1855.13	N.A.	42.70
0-60	3251.4	N.A.	74.80
0-80	4050.9	N.A.	93.20
0-90	4206.73	N.A.	96.80
10-90	4069.09	N.A.	93.60
20-40	1322.26	N.A.	30.40
20-50	2063.3	N.A.	47.50
40-70	1888.73	N.A.	43.50
60-80	799.50	N.A.	18.40
70-80	307.04	N.A.	7.10
80-90	155.83	N.A.	3.60
90-110	104.69	N.A.	2.40
90-120	122.20	N.A.	2.80
90-130	131.47	N.A.	3.00
90-150	138.41	N.A.	3.20
90-180	139.63	N.A.	3.20
110-180	34.95	N.A.	0.80
0-180	4346.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	137.65
10-20	395.22
20-30	600.21
30-40	722.05
40-50	741.04
50-60	655.24
60-70	492.45
70-80	307.04
80-90	155.83
90-100	70.66
100-110	34.03
110-120	17.52
120-130	9.26
130-140	4.74
140-150	2.21
150-160	0.95
160-170	0.27
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	95	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

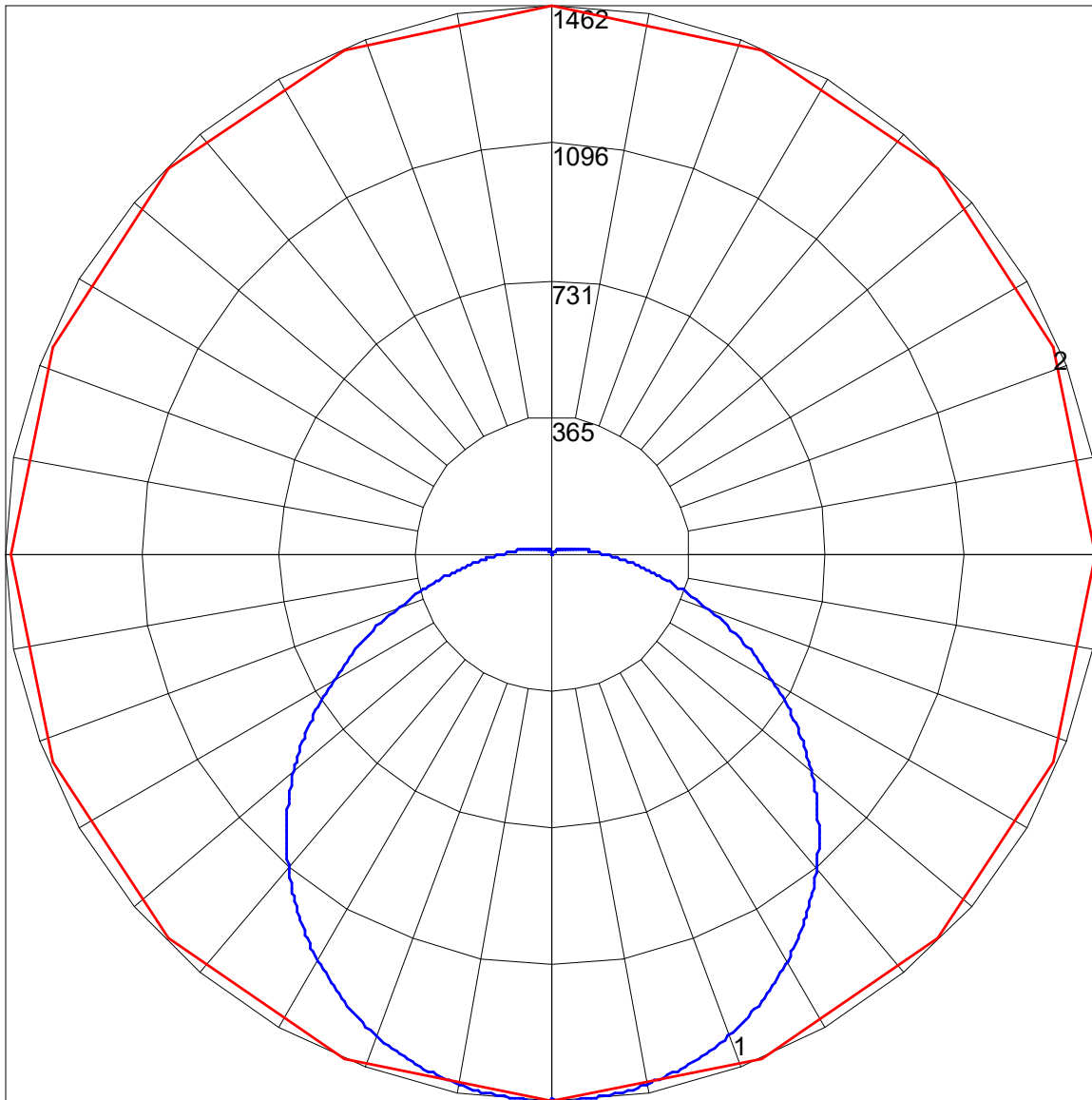
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UGR TABLE - CORRECTED

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	18.2	19.7	18.6	20.1	20.5	20.2	21.8	20.6	22.2	22.6
	3H	19.4	20.8	19.8	21.2	21.6	22.2	23.6	22.6	24.0	24.4
	4H	19.7	21.1	20.2	21.5	21.9	23.0	24.4	23.5	24.8	25.2
	6H	19.9	21.2	20.4	21.6	22.1	23.8	25.1	24.3	25.5	26.0
	8H	19.9	21.2	20.4	21.6	22.1	24.2	25.4	24.7	25.9	26.3
	12H	20.0	21.1	20.4	21.6	22.1	24.6	25.8	25.1	26.2	26.7
4H	2H	19.0	20.4	19.5	20.8	21.2	20.6	22.0	21.1	22.4	22.8
	3H	20.4	21.6	20.9	22.0	22.5	22.8	24.0	23.3	24.4	24.9
	4H	20.9	22.0	21.4	22.4	22.9	23.8	24.8	24.3	25.3	25.8
	6H	21.2	22.1	21.7	22.6	23.2	24.8	25.7	25.3	26.2	26.7
	8H	21.3	22.1	21.8	22.6	23.2	25.2	26.1	25.7	26.6	27.1
	12H	21.3	22.1	21.8	22.6	23.2	25.7	26.5	26.2	27.0	27.6
8H	4H	21.5	22.3	22.0	22.8	23.4	24.0	24.9	24.5	25.3	25.9
	6H	21.9	22.6	22.5	23.2	23.7	25.1	25.8	25.6	26.4	26.9
	8H	22.1	22.7	22.6	23.3	23.8	25.7	26.3	26.2	26.9	27.4
	12H	22.2	22.7	22.7	23.3	23.9	26.3	26.9	26.9	27.4	28.1
12H	4H	21.6	22.4	22.1	22.9	23.4	24.0	24.8	24.5	25.3	25.8
	6H	22.1	22.8	22.7	23.3	23.9	25.1	25.8	25.7	26.3	26.9
	8H	22.3	22.9	22.9	23.5	24.1	25.8	26.3	26.3	26.9	27.5

Maximum UGR = 28.1

POLAR GRAPH



Maximum Candela = 1461.787 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.)