



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 8 SEL75 UV FR 940 @1400MA.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 1400mA

[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	10671
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	69
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	20907	18603	18036
55	18214	16439	15974
65	14672	13808	13403
75	10775	11051	10501
85	6538	8977	7961

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1308.22	N.A.	12.30
0-30	2781.77	N.A.	26.10
0-40	4554.45	N.A.	42.70
0-60	7982.39	N.A.	74.80
0-80	9945.2	N.A.	93.20
0-90	10327.79	N.A.	96.80
10-90	9989.86	N.A.	93.60
20-40	3246.22	N.A.	30.40
20-50	5065.52	N.A.	47.50
40-70	4636.95	N.A.	43.50
60-80	1962.82	N.A.	18.40
70-80	753.81	N.A.	7.10
80-90	382.58	N.A.	3.60
90-110	257.01	N.A.	2.40
90-120	300.01	N.A.	2.80
90-130	322.76	N.A.	3.00
90-150	339.82	N.A.	3.20
90-180	342.81	N.A.	3.20
110-180	85.80	N.A.	0.80
0-180	10670.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	337.93
10-20	970.29
20-30	1473.55
30-40	1772.68
40-50	1819.3
50-60	1608.64
60-70	1209.01
70-80	753.81
80-90	382.58
90-100	173.47
100-110	83.54
110-120	43.00
120-130	22.74
130-140	11.64
140-150	5.42
150-160	2.32
160-170	0.67
170-180	0.00

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Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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

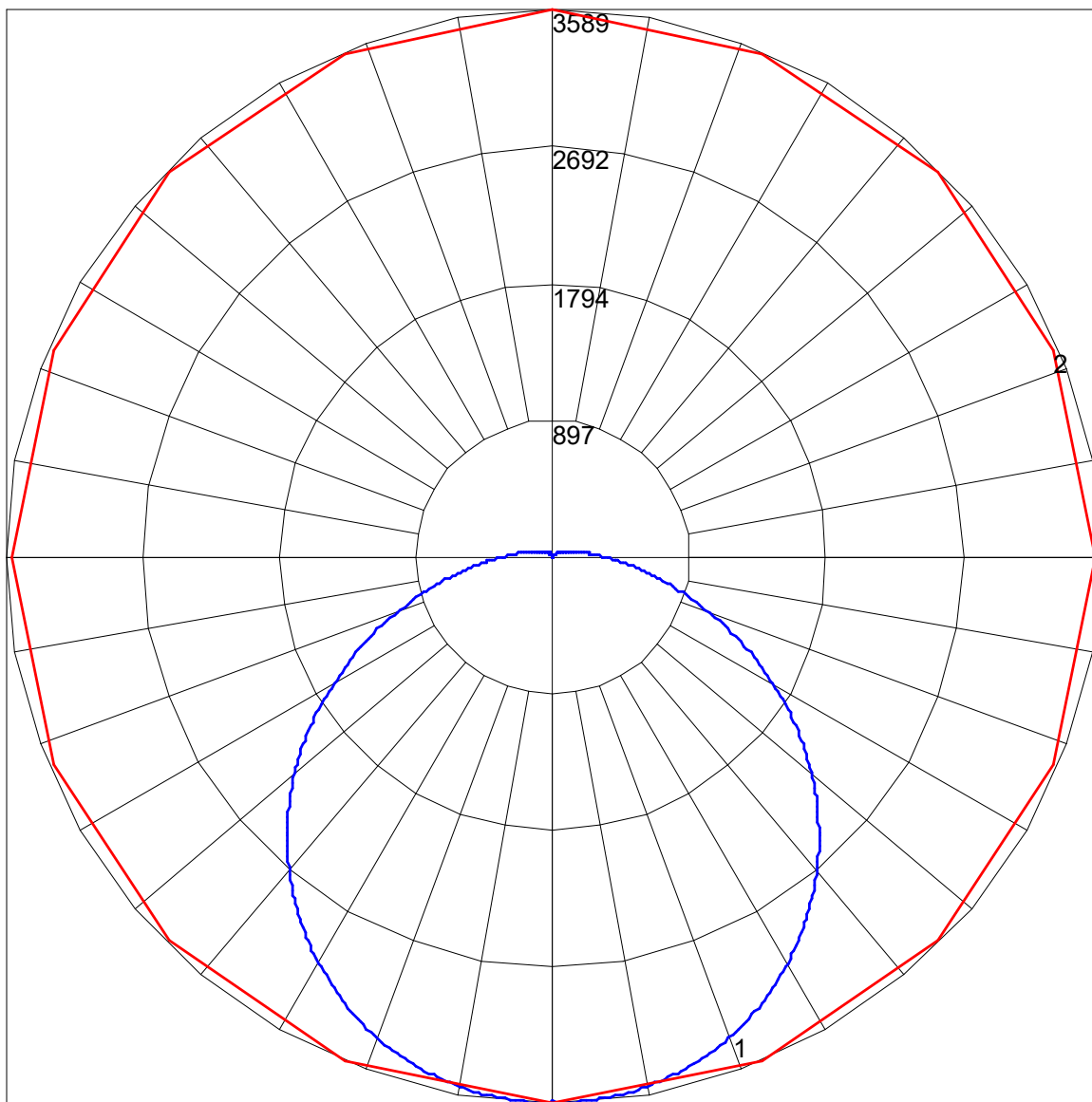
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UGR TABLE - CORRECTED

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	20.3	21.9	20.7	22.3	22.7	22.4	24.0	22.8	24.3	24.7
	3H	21.5	23.0	22.0	23.4	23.8	24.4	25.8	24.8	26.2	26.6
	4H	21.9	23.2	22.3	23.6	24.1	25.2	26.6	25.7	27.0	27.4
	6H	22.1	23.3	22.5	23.8	24.2	26.0	27.3	26.5	27.7	28.2
	8H	22.1	23.3	22.6	23.8	24.2	26.4	27.6	26.8	28.0	28.5
	12H	22.1	23.3	22.6	23.7	24.2	26.8	27.9	27.3	28.4	28.9
4H	2H	21.2	22.5	21.6	22.9	23.4	22.8	24.1	23.2	24.6	25.0
	3H	22.6	23.8	23.1	24.2	24.7	25.0	26.1	25.4	26.6	27.1
	4H	23.1	24.1	23.6	24.6	25.1	26.0	27.0	26.5	27.5	28.0
	6H	23.4	24.3	23.9	24.8	25.3	26.9	27.9	27.4	28.4	28.9
	8H	23.4	24.3	23.9	24.8	25.3	27.4	28.3	27.9	28.8	29.3
	12H	23.5	24.3	24.0	24.8	25.3	27.9	28.7	28.4	29.2	29.8
8H	4H	23.6	24.5	24.1	25.0	25.5	26.2	27.0	26.7	27.5	28.1
	6H	24.1	24.8	24.6	25.4	25.9	27.3	28.0	27.8	28.5	29.1
	8H	24.2	24.9	24.8	25.4	26.0	27.8	28.5	28.4	29.1	29.6
	12H	24.3	24.9	24.9	25.4	26.1	28.5	29.1	29.0	29.6	30.2
12H	4H	23.7	24.5	24.3	25.1	25.6	26.2	26.9	26.7	27.5	28.0
	6H	24.3	24.9	24.8	25.5	26.1	27.3	28.0	27.9	28.5	29.1
	8H	24.5	25.1	25.1	25.6	26.3	27.9	28.5	28.5	29.1	29.7

Maximum UGR = 30.2

POLAR GRAPH



Maximum Candela = 3588.775 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.)