



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 SEL75 UV FR 930 @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 4 SEL75 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 64 LED boards, 3000K

[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	8739
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	60.2
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	33878	30245	29462
55	29413	26685	26093
65	23561	22367	21894
75	17096	17841	17154
85	9840	14394	13005

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1071.42	N.A.	12.30
0-30	2278.23	N.A.	26.10
0-40	3730.03	N.A.	42.70
0-60	6537.47	N.A.	74.80
0-80	8144.99	N.A.	93.20
0-90	8458.32	N.A.	96.80
10-90	8181.56	N.A.	93.60
20-40	2658.61	N.A.	30.40
20-50	4148.59	N.A.	47.50
40-70	3797.6	N.A.	43.50
60-80	1607.52	N.A.	18.40
70-80	617.36	N.A.	7.10
80-90	313.33	N.A.	3.60
90-110	210.49	N.A.	2.40
90-120	245.71	N.A.	2.80
90-130	264.33	N.A.	3.00
90-150	278.30	N.A.	3.20
90-180	280.75	N.A.	3.20
110-180	70.27	N.A.	0.80
0-180	8739.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	276.76
10-20	794.66
20-30	1206.81
30-40	1451.8
40-50	1489.98
50-60	1317.46
60-70	990.16
70-80	617.36
80-90	313.33
90-100	142.07
100-110	68.42
110-120	35.22
120-130	18.63
130-140	9.53
140-150	4.44
150-160	1.90
160-170	0.55
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

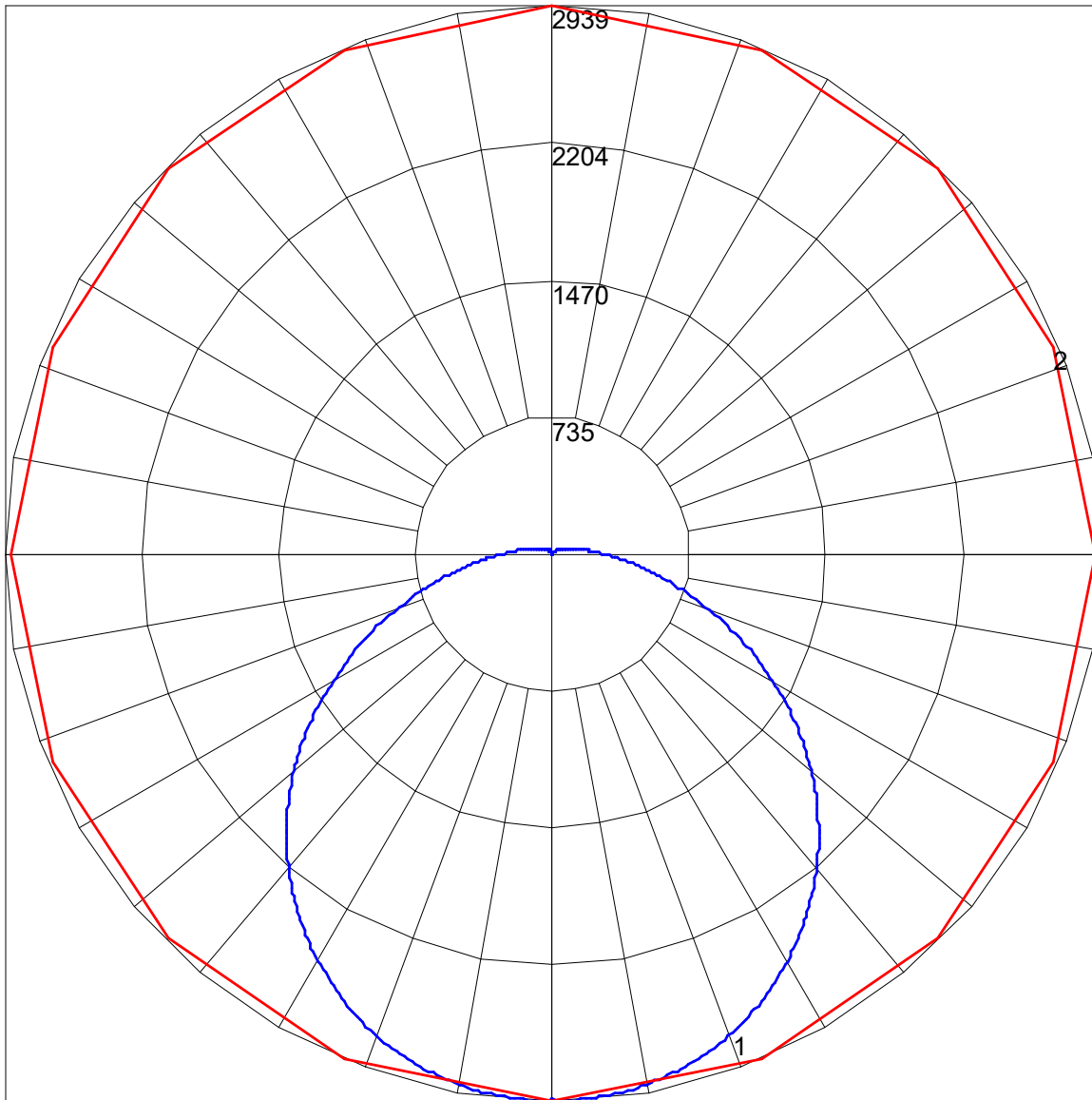
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UGR TABLE - CORRECTED

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	22.0	23.6	22.4	24.0	24.4	24.0	25.6	24.4	26.0	26.4
	3H	23.2	24.7	23.7	25.0	25.5	26.0	27.4	26.4	27.8	28.3
	4H	23.6	24.9	24.0	25.3	25.8	26.9	28.2	27.3	28.6	29.1
	6H	23.8	25.0	24.2	25.5	25.9	27.6	28.9	28.1	29.3	29.8
	8H	23.8	25.0	24.3	25.5	25.9	28.0	29.2	28.5	29.7	30.1
	12H	23.8	25.0	24.3	25.4	25.9	28.4	29.5	28.9	30.0	30.5
4H	2H	22.9	24.2	23.3	24.6	25.1	24.5	25.8	24.9	26.2	26.7
	3H	24.3	25.4	24.7	25.9	26.4	26.6	27.8	27.1	28.2	28.7
	4H	24.8	25.8	25.2	26.3	26.8	27.6	28.7	28.1	29.1	29.6
	6H	25.1	26.0	25.6	26.5	27.0	28.6	29.5	29.1	30.0	30.5
	8H	25.1	26.0	25.6	26.5	27.0	29.0	29.9	29.5	30.4	30.9
	12H	25.2	25.9	25.7	26.5	27.0	29.5	30.3	30.0	30.8	31.4
8H	4H	25.3	26.2	25.8	26.7	27.2	27.8	28.7	28.3	29.2	29.7
	6H	25.8	26.5	26.3	27.0	27.6	28.9	29.6	29.4	30.2	30.7
	8H	25.9	26.6	26.4	27.1	27.7	29.5	30.1	30.0	30.7	31.2
	12H	26.0	26.6	26.5	27.1	27.7	30.1	30.7	30.6	31.2	31.8
12H	4H	25.4	26.2	25.9	26.7	27.3	27.8	28.6	28.3	29.1	29.7
	6H	26.0	26.6	26.5	27.1	27.7	28.9	29.6	29.5	30.1	30.7
	8H	26.2	26.8	26.7	27.3	27.9	29.6	30.1	30.1	30.7	31.3

Maximum UGR = 31.8

POLAR GRAPH



Maximum Candela = 2939.159 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.)