



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL75 UV FR 930 @1300MA.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 SEL75 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 48 LED boards, 3000K

[BALLAST] One KTLD-75-UV-PS1400-54-VDIM-LM2 LED driver set at 1300mA

[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	9503
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	64.9
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	24365	21703	21072
55	21203	19168	18663
65	17050	16090	15659
75	12474	12864	12269
85	7440	10427	9302

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1165.04	N.A.	12.30
0-30	2477.32	N.A.	26.10
0-40	4055.98	N.A.	42.70
0-60	7108.75	N.A.	74.80
0-80	8856.75	N.A.	93.20
0-90	9197.46	N.A.	96.80
10-90	8896.51	N.A.	93.60
20-40	2890.94	N.A.	30.40
20-50	4511.12	N.A.	47.50
40-70	4129.45	N.A.	43.50
60-80	1747.99	N.A.	18.40
70-80	671.31	N.A.	7.10
80-90	340.71	N.A.	3.60
90-110	228.88	N.A.	2.40
90-120	267.18	N.A.	2.80
90-130	287.43	N.A.	3.00
90-150	302.62	N.A.	3.20
90-180	305.29	N.A.	3.20
110-180	76.41	N.A.	0.80
0-180	9502.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	300.95
10-20	864.10
20-30	1312.27
30-40	1578.66
40-50	1620.18
50-60	1432.59
60-70	1076.69
70-80	671.31
80-90	340.71
90-100	154.48
100-110	74.40
110-120	38.30
120-130	20.25
130-140	10.36
140-150	4.83
150-160	2.07
160-170	0.59
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

X=2H	Y=2H	20.9	22.4	21.3	22.8	23.2	22.9	24.5	23.3	24.9	25.3
	3H	22.1	23.5	22.5	23.9	24.3	24.9	26.3	25.3	26.7	27.1
	4H	22.4	23.8	22.9	24.2	24.6	25.7	27.1	26.2	27.5	27.9
	6H	22.6	23.9	23.1	24.3	24.8	26.5	27.8	27.0	28.2	28.7
	8H	22.6	23.9	23.1	24.3	24.8	26.9	28.1	27.4	28.6	29.0
	12H	22.7	23.8	23.1	24.3	24.8	27.3	28.5	27.8	28.9	29.4

UGR Viewed Endwise

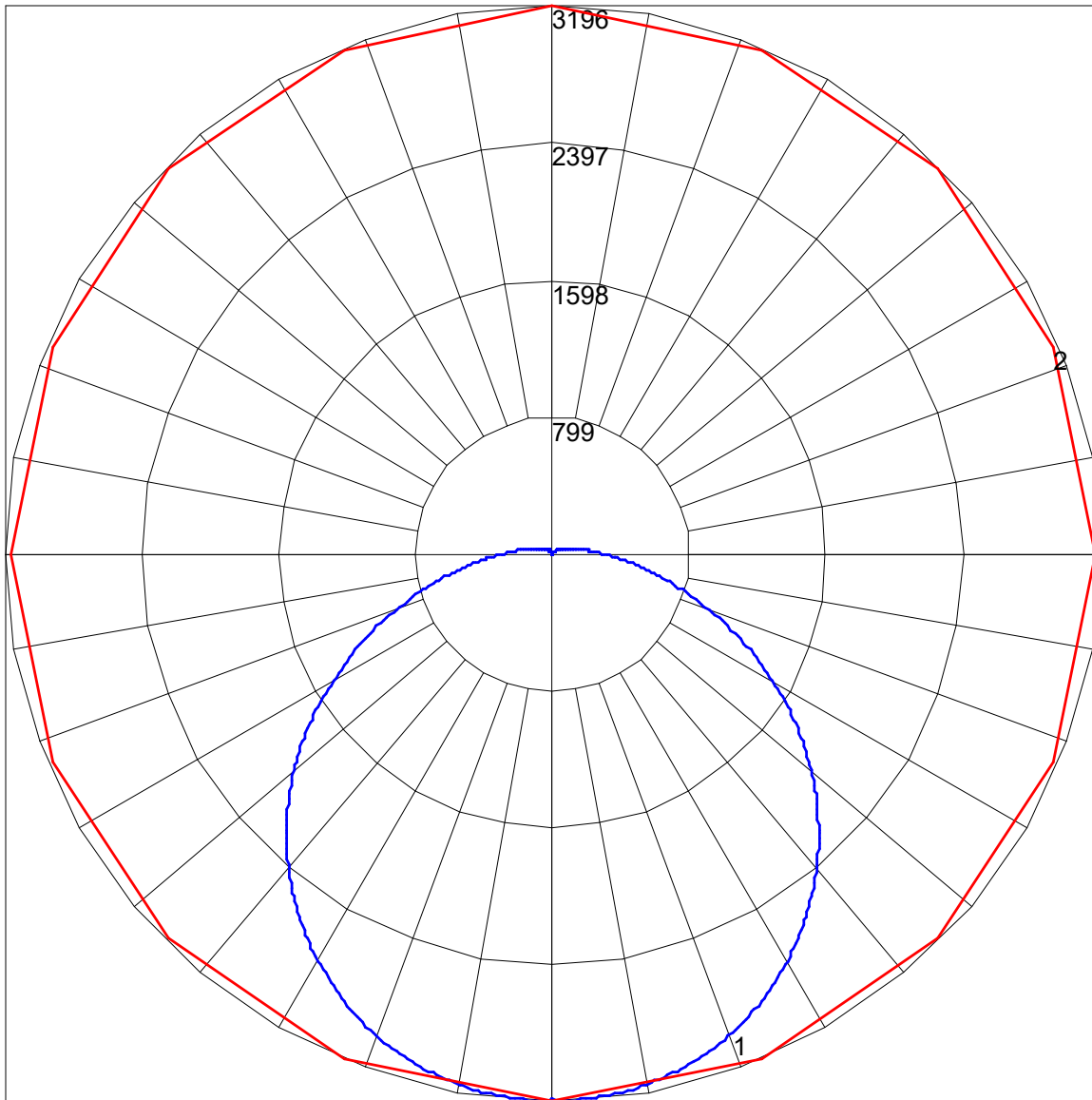
4H	2H	21.7	23.1	22.2	23.5	23.9	23.3	24.7	23.8	25.1	25.5
	3H	23.1	24.3	23.6	24.7	25.2	25.5	26.7	26.0	27.1	27.6
	4H	23.6	24.7	24.1	25.1	25.6	26.5	27.5	27.0	28.0	28.5
	6H	23.9	24.8	24.4	25.3	25.9	27.5	28.4	28.0	28.9	29.4
	8H	24.0	24.8	24.5	25.3	25.9	27.9	28.8	28.4	29.3	29.8
	12H	24.0	24.8	24.5	25.3	25.9	28.4	29.2	28.9	29.7	30.3

8H	4H	24.2	25.0	24.7	25.5	26.1	26.7	27.6	27.2	28.0	28.6
	6H	24.6	25.3	25.2	25.9	26.4	27.8	28.5	28.3	29.1	29.6
	8H	24.8	25.4	25.3	26.0	26.5	28.4	29.0	28.9	29.6	30.1
	12H	24.9	25.4	25.4	26.0	26.6	29.0	29.6	29.6	30.1	30.8

12H	4H	24.3	25.1	24.8	25.6	26.1	26.7	27.5	27.2	28.0	28.5
	6H	24.8	25.5	25.4	26.0	26.6	27.8	28.5	28.4	29.0	29.6
	8H	25.0	25.6	25.6	26.2	26.8	28.5	29.0	29.0	29.6	30.2

Maximum UGR = 30.8

POLAR GRAPH



Maximum Candela = 3196 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.)