



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 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 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 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	8829
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	59.6
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	22639	20165	19579
55	19701	17810	17340
65	15842	14950	14550
75	11590	11953	11400
85	6913	9688	8642

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1082.49	N.A.	12.30
0-30	2301.78	N.A.	26.10
0-40	3768.59	N.A.	42.70
0-60	6605.04	N.A.	74.80
0-80	8229.18	N.A.	93.20
0-90	8545.75	N.A.	96.80
10-90	8266.13	N.A.	93.60
20-40	2686.09	N.A.	30.40
20-50	4191.48	N.A.	47.50
40-70	3836.85	N.A.	43.50
60-80	1624.14	N.A.	18.40
70-80	623.74	N.A.	7.10
80-90	316.57	N.A.	3.60
90-110	212.66	N.A.	2.40
90-120	248.25	N.A.	2.80
90-130	267.07	N.A.	3.00
90-150	281.18	N.A.	3.20
90-180	283.65	N.A.	3.20
110-180	70.99	N.A.	0.80
0-180	8829.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	279.62
10-20	802.87
20-30	1219.29
30-40	1466.8
40-50	1505.38
50-60	1331.08
60-70	1000.39
70-80	623.74
80-90	316.57
90-100	143.53
100-110	69.13
110-120	35.58
120-130	18.82
130-140	9.63
140-150	4.49
150-160	1.92
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

X=2H	Y=2H	20.7	22.2	21.1	22.6	23.0	22.7	24.3	23.1	24.7	25.1
	3H	21.9	23.3	22.3	23.7	24.1	24.7	26.1	25.1	26.5	26.9
	4H	22.2	23.6	22.7	24.0	24.4	25.5	26.9	26.0	27.3	27.7
	6H	22.4	23.7	22.9	24.1	24.6	26.3	27.6	26.8	28.0	28.5
	8H	22.4	23.7	22.9	24.1	24.6	26.7	27.9	27.2	28.4	28.8
	12H	22.5	23.6	22.9	24.1	24.6	27.1	28.3	27.6	28.7	29.2

UGR Viewed Endwise

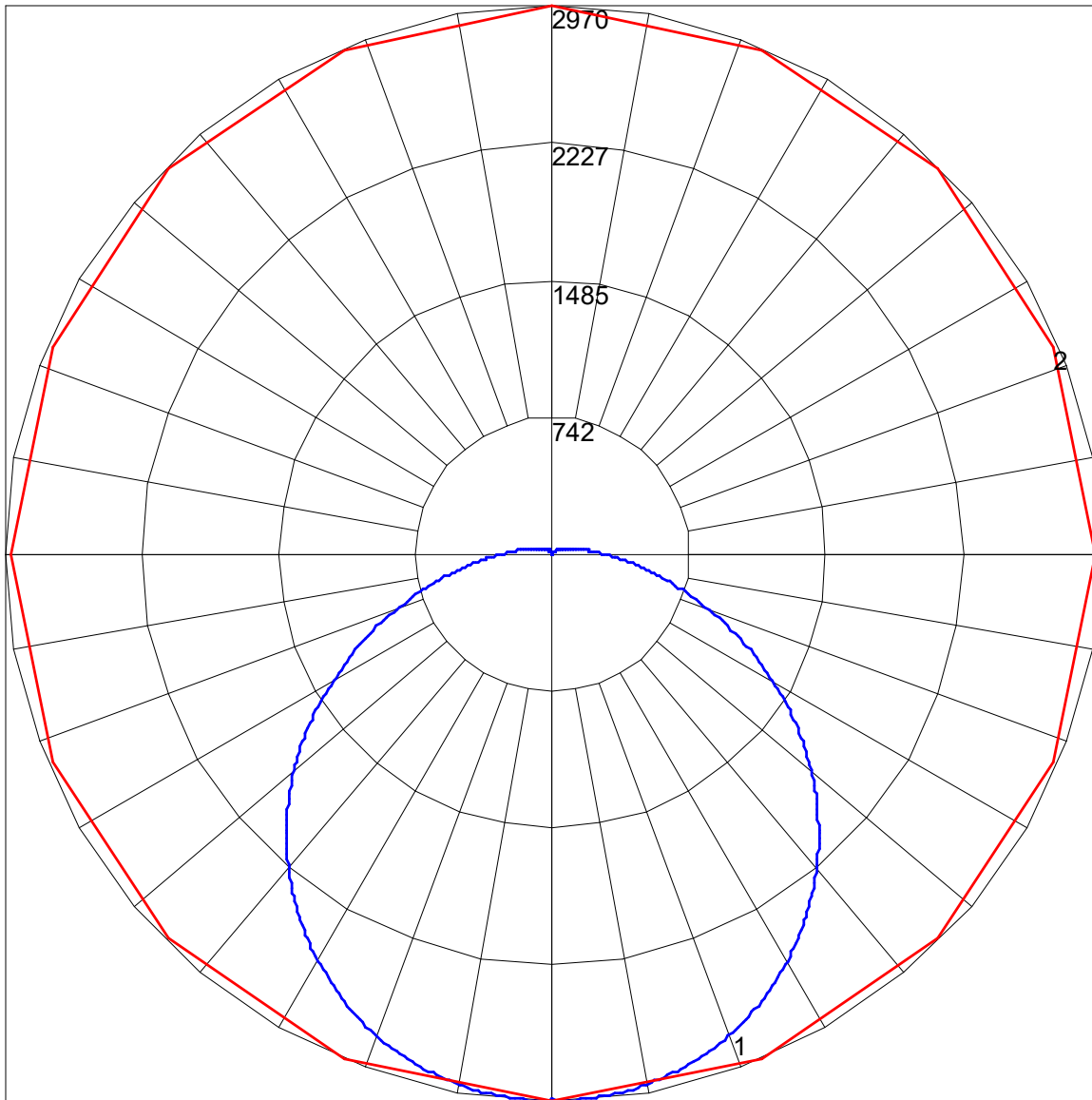
4H	2H	21.5	22.9	22.0	23.3	23.7	23.1	24.5	23.6	24.9	25.3
	3H	22.9	24.1	23.4	24.5	25.0	25.3	26.5	25.8	26.9	27.4
	4H	23.4	24.5	23.9	24.9	25.4	26.3	27.3	26.8	27.8	28.3
	6H	23.7	24.6	24.2	25.1	25.7	27.3	28.2	27.8	28.7	29.2
	8H	23.8	24.6	24.3	25.1	25.7	27.7	28.6	28.2	29.1	29.6
	12H	23.8	24.6	24.3	25.1	25.7	28.2	29.0	28.7	29.5	30.1

8H	4H	24.0	24.8	24.5	25.3	25.9	26.5	27.4	27.0	27.8	28.4
	6H	24.4	25.1	25.0	25.7	26.2	27.6	28.3	28.1	28.9	29.4
	8H	24.6	25.2	25.1	25.8	26.3	28.2	28.8	28.7	29.4	29.9
	12H	24.7	25.2	25.2	25.8	26.4	28.8	29.4	29.4	29.9	30.6

12H	4H	24.1	24.9	24.6	25.4	25.9	26.5	27.3	27.0	27.8	28.3
	6H	24.6	25.3	25.2	25.8	26.4	27.6	28.3	28.2	28.8	29.4
	8H	24.8	25.4	25.4	26.0	26.6	28.3	28.8	28.8	29.4	30.0

Maximum UGR = 30.6

POLAR GRAPH



Maximum Candela = 2969.539 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.)