



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL25 UV FR 935 @450MA.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 SEL25 UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 28 LED boards, 3500K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set at 450mA

[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	2954
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	19.7
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	7575	6747	6551
55	6592	5960	5802
65	5301	5003	4869
75	3878	3999	3815
85	2313	3242	2892

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	362.22	N.A.	12.30
0-30	770.21	N.A.	26.10
0-40	1261.02	N.A.	42.70
0-60	2210.14	N.A.	74.80
0-80	2753.6	N.A.	93.20
0-90	2859.52	N.A.	96.80
10-90	2765.96	N.A.	93.60
20-40	898.80	N.A.	30.40
20-50	1402.52	N.A.	47.50
40-70	1283.86	N.A.	43.50
60-80	543.46	N.A.	18.40
70-80	208.71	N.A.	7.10
80-90	105.93	N.A.	3.60
90-110	71.16	N.A.	2.40
90-120	83.07	N.A.	2.80
90-130	89.36	N.A.	3.00
90-150	94.09	N.A.	3.20
90-180	94.91	N.A.	3.20
110-180	23.76	N.A.	0.80
0-180	2954.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	93.56
10-20	268.65
20-30	407.99
30-40	490.81
40-50	503.72
50-60	445.40
60-70	334.75
70-80	208.71
80-90	105.93
90-100	48.03
100-110	23.13
110-120	11.91
120-130	6.30
130-140	3.22
140-150	1.50
150-160	0.64
160-170	0.18
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

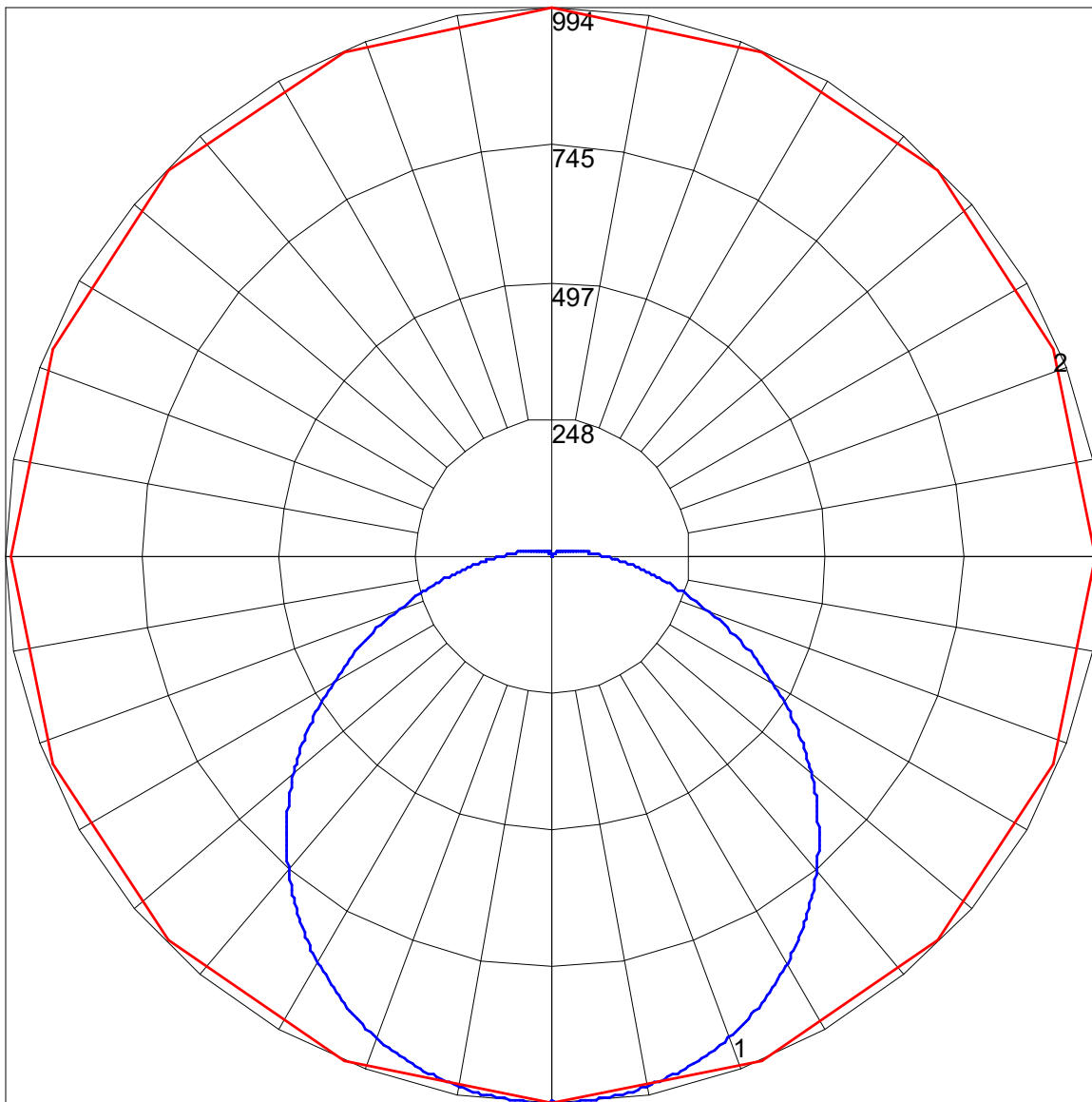
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UGR TABLE - CORRECTED

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	16.9	18.4	17.3	18.8	19.2	18.9	20.5	19.3	20.9	21.3
	3H	18.1	19.5	18.5	19.9	20.3	20.9	22.3	21.3	22.7	23.1
	4H	18.4	19.8	18.9	20.2	20.6	21.7	23.1	22.2	23.5	23.9
	6H	18.6	19.9	19.1	20.3	20.8	22.5	23.8	23.0	24.2	24.7
	8H	18.6	19.9	19.1	20.3	20.8	22.9	24.1	23.4	24.6	25.0
	12H	18.7	19.8	19.1	20.3	20.8	23.3	24.5	23.8	24.9	25.4
4H	2H	17.7	19.1	18.2	19.5	19.9	19.3	20.7	19.8	21.1	21.5
	3H	19.1	20.3	19.6	20.7	21.2	21.5	22.7	22.0	23.1	23.6
	4H	19.6	20.7	20.1	21.1	21.6	22.5	23.5	23.0	24.0	24.5
	6H	19.9	20.8	20.4	21.3	21.9	23.5	24.4	24.0	24.9	25.4
	8H	20.0	20.8	20.5	21.3	21.9	23.9	24.8	24.4	25.3	25.8
	12H	20.0	20.8	20.5	21.3	21.9	24.4	25.2	24.9	25.7	26.3
8H	4H	20.2	21.0	20.7	21.5	22.1	22.7	23.6	23.2	24.0	24.6
	6H	20.6	21.3	21.2	21.9	22.4	23.8	24.5	24.3	25.1	25.6
	8H	20.8	21.4	21.3	22.0	22.5	24.4	25.0	24.9	25.6	26.1
	12H	20.9	21.4	21.4	22.0	22.6	25.0	25.6	25.6	26.1	26.8
12H	4H	20.3	21.1	20.8	21.6	22.1	22.7	23.5	23.2	24.0	24.5
	6H	20.8	21.5	21.4	22.0	22.6	23.8	24.5	24.4	25.0	25.6
	8H	21.0	21.6	21.6	22.2	22.8	24.5	25.0	25.0	25.6	26.2

Maximum UGR = 26.8

POLAR GRAPH



Maximum Candela = 993.648 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.)