



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL25 UV FR 940 @400MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-003(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/6/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL N G2 2 SEL25 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 48 LED board, 4000K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set at 400mA

[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	3018
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	20.6
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)	1.99 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	21782	19904	19646
55	18655	17434	17405
65	14788	14563	14762
75	10615	11676	11802
85	5865	9470	9301

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	368.95	N.A.	12.20
0-30	784.96	N.A.	26.00
0-40	1284.69	N.A.	42.60
0-60	2245.36	N.A.	74.40
0-80	2799.45	N.A.	92.80
0-90	2911.21	N.A.	96.50
10-90	2815.96	N.A.	93.30
20-40	915.73	N.A.	30.30
20-50	1426.41	N.A.	47.30
40-70	1300.00	N.A.	43.10
60-80	554.09	N.A.	18.40
70-80	214.76	N.A.	7.10
80-90	111.76	N.A.	3.70
90-110	77.29	N.A.	2.60
90-120	90.65	N.A.	3.00
90-130	97.98	N.A.	3.20
90-150	104.55	N.A.	3.50
90-180	106.39	N.A.	3.50
110-180	29.10	N.A.	1.00
0-180	3017.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.25
10-20	273.70
20-30	416.01
30-40	499.72
40-50	510.67
50-60	450.00
60-70	339.32
70-80	214.76
80-90	111.76
90-100	51.93
100-110	25.36
110-120	13.35
120-130	7.33
130-140	4.19
140-150	2.38
150-160	1.32
160-170	0.48
170-180	0.05

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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	96
1	107	102	98	93	104	99	95	92	95	91	88	90	87	85	86	84	82	79
2	97	89	82	76	94	87	80	75	82	77	72	79	74	70	75	71	68	66
3	89	78	70	63	86	76	68	62	73	66	61	69	64	59	66	62	58	55
4	81	69	60	53	79	67	59	53	64	57	52	62	56	51	59	54	49	47
5	75	62	53	46	72	60	52	45	58	50	45	55	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	38	48	42	38	36
7	64	50	42	35	62	49	41	35	47	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	43	36	31	42	35	31	40	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	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

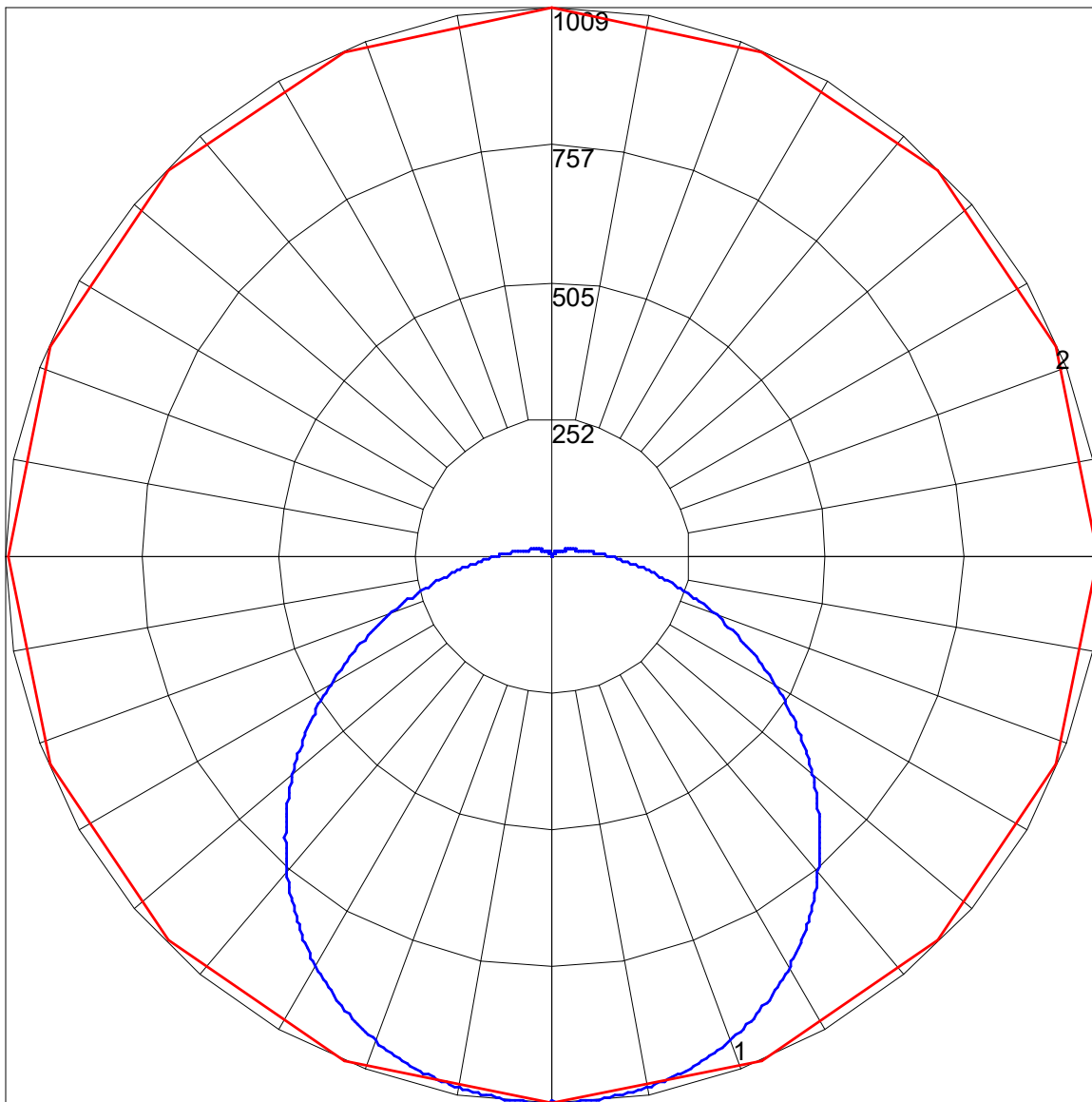
X=2H	Y=2H	20.4	21.9	20.8	22.3	22.8	22.5	24.1	22.9	24.5	24.9
	3H	21.6	23.0	22.0	23.4	23.9	24.5	25.9	24.9	26.3	26.8
	4H	21.9	23.3	22.4	23.7	24.2	25.4	26.7	25.8	27.1	27.6
	6H	22.1	23.4	22.6	23.8	24.3	26.2	27.4	26.7	27.9	28.4
	8H	22.2	23.4	22.7	23.8	24.3	26.6	27.7	27.1	28.2	28.7
	12H	22.2	23.3	22.7	23.8	24.3	27.0	28.1	27.5	28.6	29.1

UGR Viewed Endwise

4H	2H	21.2	22.6	21.7	23.0	23.5	22.9	24.3	23.4	24.7	25.2
	3H	22.7	23.8	23.2	24.3	24.8	25.1	26.3	25.6	26.7	27.2
	4H	23.2	24.2	23.7	24.7	25.2	26.2	27.2	26.6	27.7	28.2
	6H	23.5	24.4	24.0	24.9	25.4	27.1	28.0	27.7	28.5	29.1
	8H	23.5	24.4	24.1	24.9	25.4	27.6	28.4	28.1	29.0	29.5
	12H	23.6	24.3	24.1	24.9	25.4	28.1	28.9	28.6	29.4	30.0
8H	4H	23.7	24.6	24.2	25.1	25.6	26.3	27.2	26.9	27.7	28.2
	6H	24.2	24.9	24.7	25.4	26.0	27.5	28.2	28.0	28.7	29.3
	8H	24.3	25.0	24.9	25.5	26.1	28.0	28.7	28.6	29.3	29.8
	12H	24.4	25.0	25.0	25.5	26.2	28.7	29.3	29.3	29.8	30.5
12H	4H	23.8	24.6	24.4	25.1	25.7	26.3	27.1	26.9	27.6	28.2
	6H	24.4	25.0	25.0	25.6	26.2	27.5	28.1	28.1	28.7	29.3
	8H	24.6	25.2	25.2	25.7	26.4	28.1	28.7	28.7	29.3	29.9

Maximum UGR = 30.5

POLAR GRAPH



Maximum Candela = 1009.454 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.)