



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL45 UV FR 940 @800MA.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 SEL45 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 84 LED board, 4000K

[BALLAST] One KTLD-45-UV-PS850-54-VDIM-LM1 LED driver set at 800mA

[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	5280
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	35.2
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)	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	38113	34826	34375
55	32640	30504	30453
65	25874	25481	25829
75	18574	20431	20650
85	10262	16569	16273

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	645.56	N.A.	12.20
0-30	1373.47	N.A.	26.00
0-40	2247.85	N.A.	42.60
0-60	3928.78	N.A.	74.40
0-80	4898.27	N.A.	92.80
0-90	5093.83	N.A.	96.50
10-90	4927.17	N.A.	93.30
20-40	1602.29	N.A.	30.30
20-50	2495.83	N.A.	47.30
40-70	2274.65	N.A.	43.10
60-80	969.50	N.A.	18.40
70-80	375.78	N.A.	7.10
80-90	195.56	N.A.	3.70
90-110	135.24	N.A.	2.60
90-120	158.60	N.A.	3.00
90-130	171.44	N.A.	3.20
90-150	182.94	N.A.	3.50
90-180	186.16	N.A.	3.50
110-180	50.92	N.A.	1.00
0-180	5279.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	166.66
10-20	478.91
20-30	727.91
30-40	874.38
40-50	893.54
50-60	787.38
60-70	593.72
70-80	375.78
80-90	195.56
90-100	90.86
100-110	44.38
110-120	23.36
120-130	12.83
130-140	7.33
140-150	4.17
150-160	2.30
160-170	0.83
170-180	0.09

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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	50	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	41	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

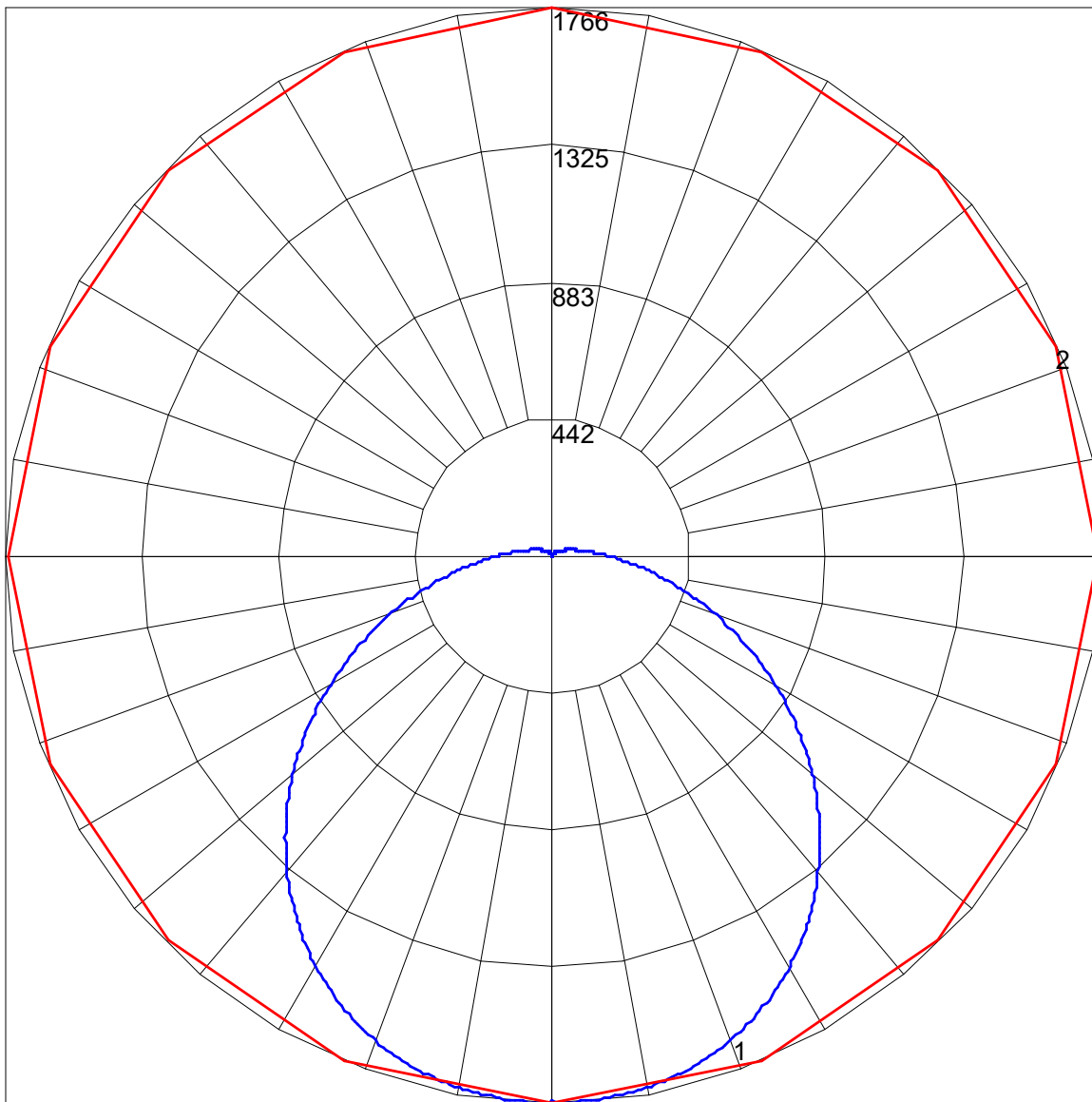
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UGR TABLE - CORRECTED

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					UGR Viewed Endwise				
X=2H	Y=2H	22.4	23.9	22.8	24.3	24.8	24.5	26.1	24.9	26.5	26.9
	3H	23.6	25.0	24.0	25.4	25.9	26.5	27.9	27.0	28.3	28.8
	4H	23.9	25.3	24.4	25.7	26.2	27.4	28.7	27.8	29.1	29.6
	6H	24.1	25.4	24.6	25.8	26.3	28.2	29.4	28.7	29.9	30.4
	8H	24.2	25.4	24.7	25.8	26.3	28.6	29.7	29.1	30.2	30.7
	12H	24.2	25.3	24.7	25.8	26.3	29.0	30.1	29.5	30.6	31.1
4H	2H	23.2	24.6	23.7	25.0	25.5	24.9	26.3	25.4	26.7	27.2
	3H	24.7	25.8	25.2	26.3	26.8	27.1	28.3	27.6	28.7	29.2
	4H	25.2	26.2	25.7	26.7	27.2	28.2	29.2	28.6	29.7	30.2
	6H	25.5	26.4	26.0	26.9	27.4	29.1	30.0	29.7	30.5	31.1
	8H	25.5	26.4	26.1	26.9	27.4	29.6	30.4	30.1	31.0	31.5
	12H	25.6	26.3	26.1	26.9	27.4	30.1	30.9	30.6	31.4	32.0
8H	4H	25.7	26.6	26.2	27.1	27.6	28.3	29.2	28.9	29.7	30.3
	6H	26.2	26.9	26.7	27.4	28.0	29.5	30.2	30.0	30.7	31.3
	8H	26.3	27.0	26.9	27.5	28.1	30.0	30.7	30.6	31.3	31.8
	12H	26.4	27.0	27.0	27.5	28.2	30.7	31.3	31.3	31.8	32.5
12H	4H	25.8	26.6	26.4	27.1	27.7	28.3	29.1	28.9	29.6	30.2
	6H	26.4	27.0	27.0	27.6	28.2	29.5	30.1	30.1	30.7	31.3
	8H	26.6	27.2	27.2	27.7	28.4	30.2	30.7	30.7	31.3	31.9

Maximum UGR = 32.5

POLAR GRAPH



Maximum Candela = 1766.272 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.)