



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL45 UV FR 940 @850MA.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 850mA

[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	5583
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	37.6
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	40301	36825	36348
55	34514	32255	32201
65	27360	26944	27311
75	19640	21603	21835
85	10851	17520	17208

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	682.62	N.A.	12.20
0-30	1452.31	N.A.	26.00
0-40	2376.88	N.A.	42.60
0-60	4154.29	N.A.	74.40
0-80	5179.44	N.A.	92.80
0-90	5386.23	N.A.	96.50
10-90	5210.00	N.A.	93.30
20-40	1694.26	N.A.	30.30
20-50	2639.09	N.A.	47.30
40-70	2405.22	N.A.	43.10
60-80	1025.15	N.A.	18.40
70-80	397.35	N.A.	7.10
80-90	206.78	N.A.	3.70
90-110	143.01	N.A.	2.60
90-120	167.71	N.A.	3.00
90-130	181.28	N.A.	3.20
90-150	193.44	N.A.	3.50
90-180	196.85	N.A.	3.50
110-180	53.84	N.A.	1.00
0-180	5583.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	176.22
10-20	506.40
20-30	769.69
30-40	924.57
40-50	944.83
50-60	832.58
60-70	627.81
70-80	397.35
80-90	206.78
90-100	96.08
100-110	46.93
110-120	24.70
120-130	13.57
130-140	7.75
140-150	4.41
150-160	2.44
160-170	0.88
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

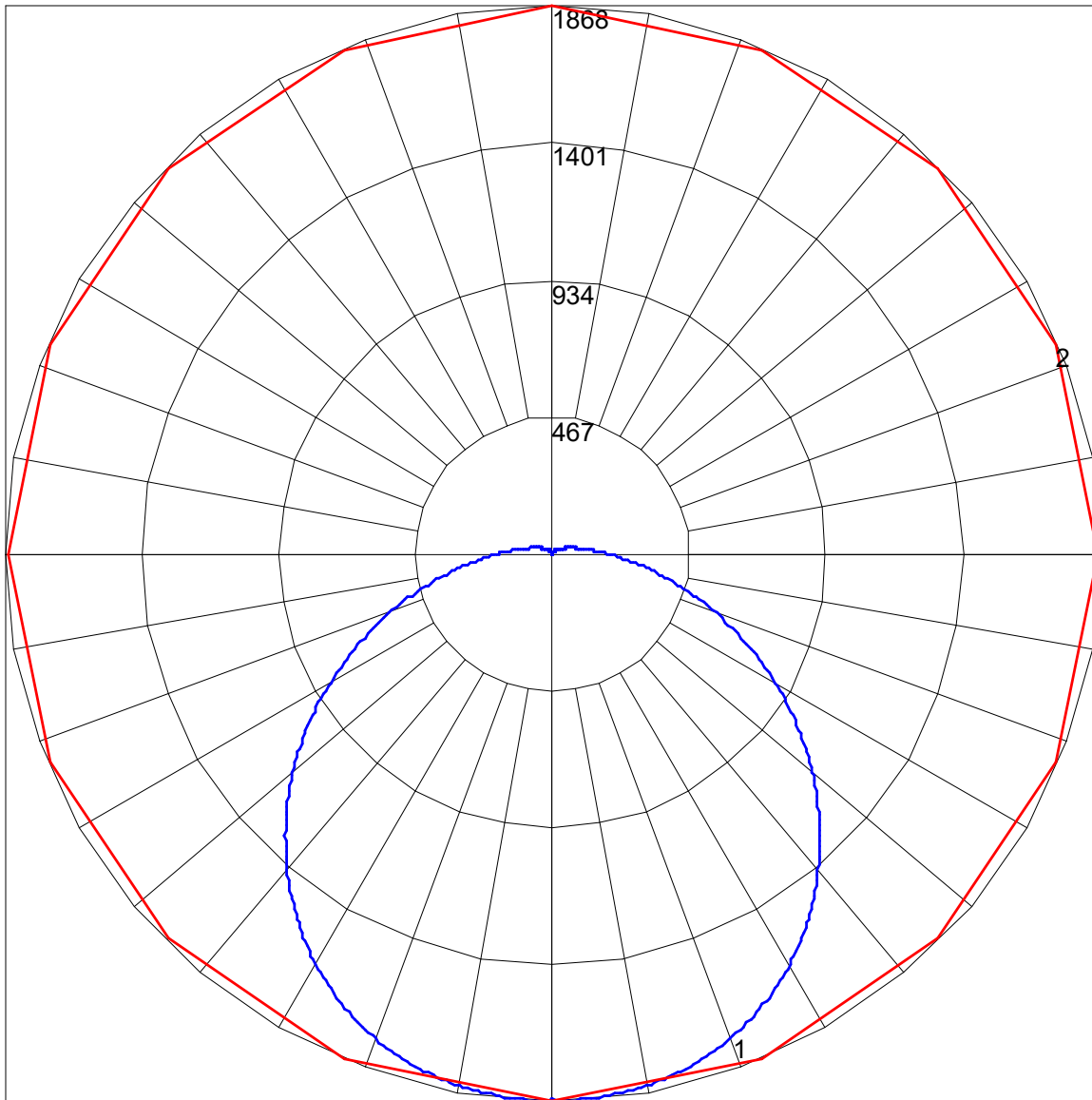
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UGR TABLE - CORRECTED

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	22.6	24.1	23.0	24.5	25.0	24.7	26.3	25.1	26.7	27.1
	3H	23.8	25.2	24.2	25.6	26.1	26.7	28.1	27.2	28.5	29.0
	4H	24.1	25.5	24.6	25.9	26.4	27.6	28.9	28.0	29.3	29.8
	6H	24.3	25.6	24.8	26.0	26.5	28.4	29.6	28.9	30.1	30.6
	8H	24.4	25.6	24.9	26.0	26.5	28.8	30.0	29.3	30.4	30.9
	12H	24.4	25.5	24.9	26.0	26.5	29.2	30.3	29.7	30.8	31.3
4H	2H	23.4	24.8	23.9	25.2	25.7	25.1	26.5	25.6	26.9	27.4
	3H	24.9	26.0	25.4	26.5	27.0	27.3	28.5	27.8	28.9	29.4
	4H	25.4	26.4	25.9	26.9	27.4	28.4	29.4	28.9	29.9	30.4
	6H	25.7	26.6	26.2	27.1	27.6	29.3	30.2	29.9	30.7	31.3
	8H	25.7	26.6	26.3	27.1	27.6	29.8	30.6	30.3	31.2	31.7
	12H	25.8	26.5	26.3	27.1	27.6	30.3	31.1	30.8	31.6	32.2
8H	4H	25.9	26.8	26.4	27.3	27.8	28.5	29.4	29.1	29.9	30.5
	6H	26.4	27.1	26.9	27.7	28.2	29.7	30.4	30.2	30.9	31.5
	8H	26.5	27.2	27.1	27.7	28.3	30.2	30.9	30.8	31.5	32.0
	12H	26.6	27.2	27.2	27.7	28.4	30.9	31.5	31.5	32.0	32.7
12H	4H	26.0	26.8	26.6	27.3	27.9	28.5	29.3	29.1	29.8	30.4
	6H	26.6	27.2	27.2	27.8	28.4	29.7	30.3	30.3	30.9	31.5
	8H	26.8	27.4	27.4	27.9	28.6	30.4	30.9	30.9	31.5	32.1

Maximum UGR = 32.7

POLAR GRAPH



Maximum Candela = 1867.659 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.)