



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL15 UV FR 940 @230MA.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 SEL15 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 28 LED board, 4000K

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set at 230mA

[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	1531
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	10.6
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	11050	10097	9966
55	9463	8844	8829
65	7502	7388	7488
75	5385	5923	5987
85	2975	4804	4718

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	187.16	N.A.	12.20
0-30	398.20	N.A.	26.00
0-40	651.70	N.A.	42.60
0-60	1139.04	N.A.	74.40
0-80	1420.12	N.A.	92.80
0-90	1476.82	N.A.	96.50
10-90	1428.5	N.A.	93.30
20-40	464.54	N.A.	30.30
20-50	723.60	N.A.	47.30
40-70	659.47	N.A.	43.10
60-80	281.08	N.A.	18.40
70-80	108.95	N.A.	7.10
80-90	56.70	N.A.	3.70
90-110	39.21	N.A.	2.60
90-120	45.98	N.A.	3.00
90-130	49.70	N.A.	3.20
90-150	53.04	N.A.	3.50
90-180	53.97	N.A.	3.50
110-180	14.76	N.A.	1.00
0-180	1530.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	48.32
10-20	138.85
20-30	211.04
30-40	253.50
40-50	259.06
50-60	228.28
60-70	172.13
70-80	108.95
80-90	56.70
90-100	26.34
100-110	12.87
110-120	6.77
120-130	3.72
130-140	2.12
140-150	1.21
150-160	0.67
160-170	0.24
170-180	0.03

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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

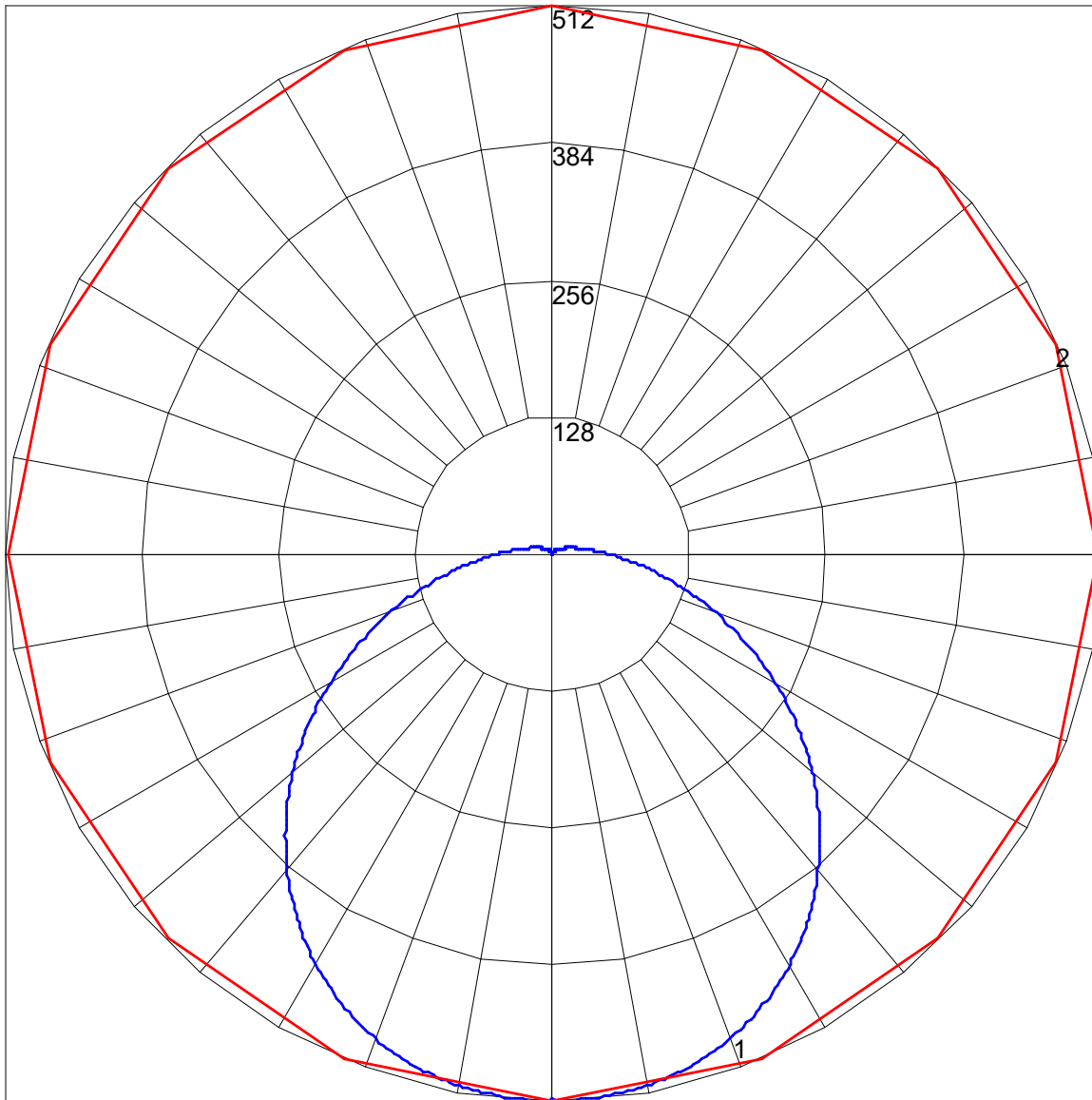
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UGR TABLE - CORRECTED

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					UGR Viewed Endwise				
X=2H	Y=2H	18.1	19.6	18.5	20.0	20.5	20.2	21.8	20.6	22.2	22.6
	3H	19.3	20.7	19.7	21.1	21.6	22.2	23.6	22.6	24.0	24.5
	4H	19.6	21.0	20.1	21.4	21.9	23.1	24.4	23.5	24.8	25.3
	6H	19.8	21.1	20.3	21.5	22.0	23.9	25.1	24.4	25.6	26.1
	8H	19.9	21.1	20.4	21.5	22.0	24.3	25.4	24.8	25.9	26.4
	12H	19.9	21.0	20.4	21.5	22.0	24.7	25.8	25.2	26.3	26.8
4H	2H	18.9	20.3	19.4	20.7	21.2	20.6	22.0	21.1	22.4	22.9
	3H	20.4	21.5	20.9	22.0	22.5	22.8	24.0	23.3	24.4	24.9
	4H	20.9	21.9	21.4	22.4	22.9	23.9	24.9	24.3	25.4	25.9
	6H	21.2	22.1	21.7	22.6	23.1	24.8	25.7	25.4	26.2	26.8
	8H	21.2	22.1	21.8	22.6	23.1	25.3	26.1	25.8	26.7	27.2
	12H	21.3	22.0	21.8	22.6	23.1	25.8	26.6	26.3	27.1	27.7
8H	4H	21.4	22.3	21.9	22.8	23.3	24.0	24.9	24.6	25.4	25.9
	6H	21.9	22.6	22.4	23.1	23.7	25.2	25.9	25.7	26.4	27.0
	8H	22.0	22.7	22.6	23.2	23.8	25.7	26.4	26.3	27.0	27.5
	12H	22.1	22.7	22.7	23.2	23.9	26.4	27.0	27.0	27.5	28.2
12H	4H	21.5	22.3	22.1	22.8	23.4	24.0	24.8	24.6	25.3	25.9
	6H	22.1	22.7	22.7	23.3	23.9	25.2	25.8	25.8	26.4	27.0
	8H	22.3	22.9	22.9	23.4	24.1	25.8	26.4	26.4	27.0	27.6

Maximum UGR = 28.2

POLAR GRAPH



Maximum Candela = 512.082 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.)