



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL45 UV FR 930 @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 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 84 LED board, 3000K

[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	5136
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
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	37073	33875	33437
55	31749	29672	29622
65	25168	24785	25124
75	18067	19873	20086
85	9982	16117	15829

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	627.94	N.A.	12.20
0-30	1335.98	N.A.	26.00
0-40	2186.49	N.A.	42.60
0-60	3821.52	N.A.	74.40
0-80	4764.55	N.A.	92.80
0-90	4954.77	N.A.	96.50
10-90	4792.66	N.A.	93.30
20-40	1558.54	N.A.	30.30
20-50	2427.69	N.A.	47.30
40-70	2212.55	N.A.	43.10
60-80	943.03	N.A.	18.40
70-80	365.52	N.A.	7.10
80-90	190.22	N.A.	3.70
90-110	131.55	N.A.	2.60
90-120	154.27	N.A.	3.00
90-130	166.76	N.A.	3.20
90-150	177.94	N.A.	3.50
90-180	181.08	N.A.	3.50
110-180	49.53	N.A.	1.00
0-180	5135.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	162.11
10-20	465.84
20-30	708.04
30-40	850.51
40-50	869.15
50-60	765.89
60-70	577.52
70-80	365.52
80-90	190.22
90-100	88.38
100-110	43.17
110-120	22.72
120-130	12.48
130-140	7.13
140-150	4.06
150-160	2.24
160-170	0.81
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

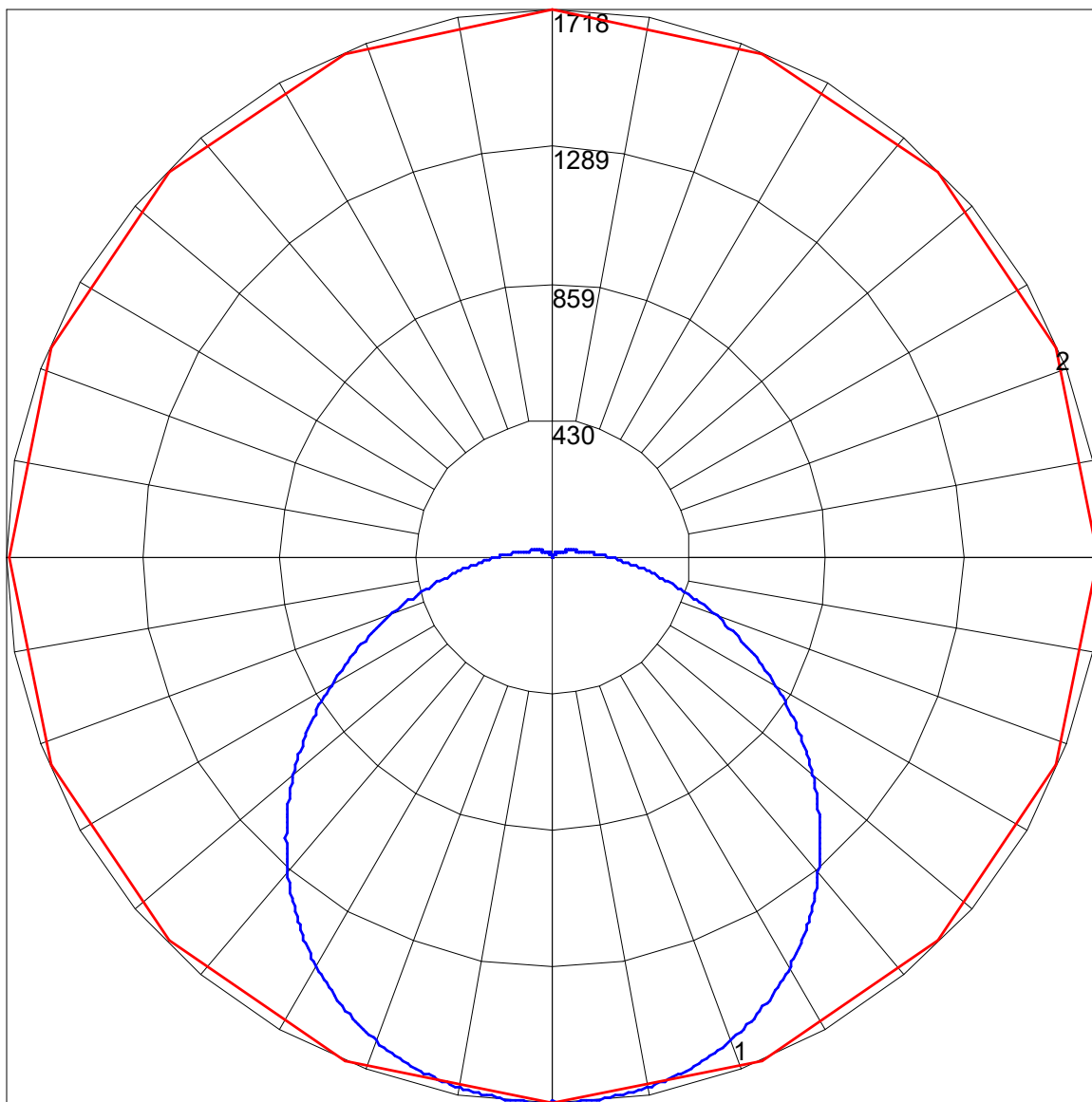
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UGR TABLE - CORRECTED

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	22.3	23.8	22.7	24.2	24.7	24.4	26.0	24.8	26.4	26.8
	3H	23.5	24.9	23.9	25.3	25.8	26.4	27.8	26.8	28.2	28.7
	4H	23.8	25.2	24.3	25.6	26.1	27.3	28.6	27.7	29.0	29.5
	6H	24.0	25.3	24.5	25.7	26.2	28.1	29.3	28.6	29.8	30.3
	8H	24.1	25.3	24.6	25.7	26.2	28.5	29.6	29.0	30.1	30.6
	12H	24.1	25.2	24.6	25.7	26.2	28.9	30.0	29.4	30.5	31.0
4H	2H	23.1	24.5	23.6	24.9	25.4	24.8	26.2	25.3	26.6	27.1
	3H	24.6	25.7	25.1	26.2	26.7	27.0	28.2	27.5	28.6	29.1
	4H	25.1	26.1	25.6	26.6	27.1	28.1	29.1	28.5	29.6	30.1
	6H	25.4	26.3	25.9	26.8	27.3	29.0	29.9	29.6	30.4	31.0
	8H	25.4	26.3	26.0	26.8	27.3	29.5	30.3	30.0	30.9	31.4
	12H	25.5	26.2	26.0	26.8	27.3	30.0	30.8	30.5	31.3	31.9
8H	4H	25.6	26.5	26.1	27.0	27.5	28.2	29.1	28.8	29.6	30.2
	6H	26.1	26.8	26.6	27.3	27.9	29.4	30.1	29.9	30.6	31.2
	8H	26.2	26.9	26.8	27.4	28.0	29.9	30.6	30.5	31.2	31.7
	12H	26.3	26.9	26.9	27.4	28.1	30.6	31.2	31.2	31.7	32.4
12H	4H	25.7	26.5	26.3	27.0	27.6	28.2	29.0	28.8	29.5	30.1
	6H	26.3	26.9	26.9	27.5	28.1	29.4	30.0	30.0	30.6	31.2
	8H	26.5	27.1	27.1	27.6	28.3	30.1	30.6	30.6	31.2	31.8

Maximum UGR = 32.4

POLAR GRAPH



Maximum Candela = 1718.053 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.)