



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 8 SEL35 UV FR 930 @550MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-006(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/6/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL N G2 8 SEL35 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 3000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set at 550mA

[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	4091
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	26.1
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)	7.67 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	8017	7133	6916
55	6984	6303	6125
65	5626	5295	5139
75	4132	4237	4027
85	2507	3442	3053

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Zone	Lumens	%Lamp	%Fixt
0-20	501.62	N.A.	12.30
0-30	1066.62	N.A.	26.10
0-40	1746.32	N.A.	42.70
0-60	3060.71	N.A.	74.80
0-80	3813.32	N.A.	93.20
0-90	3960.01	N.A.	96.80
10-90	3830.44	N.A.	93.60
20-40	1244.71	N.A.	30.40
20-50	1942.29	N.A.	47.50
40-70	1777.96	N.A.	43.50
60-80	752.61	N.A.	18.40
70-80	289.04	N.A.	7.10
80-90	146.69	N.A.	3.60
90-110	98.55	N.A.	2.40
90-120	115.03	N.A.	2.80
90-130	123.75	N.A.	3.00
90-150	130.30	N.A.	3.20
90-180	131.44	N.A.	3.20
110-180	32.90	N.A.	0.80
0-180	4091.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.57
10-20	372.04
20-30	565.01
30-40	679.70
40-50	697.58
50-60	616.81
60-70	463.57
70-80	289.04
80-90	146.69
90-100	66.51
100-110	32.03
110-120	16.49
120-130	8.72
130-140	4.46
140-150	2.08
150-160	0.89
160-170	0.26
170-180	0.00

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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	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	80
2	97	89	82	76	95	87	80	75	83	77	73	79	74	70	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

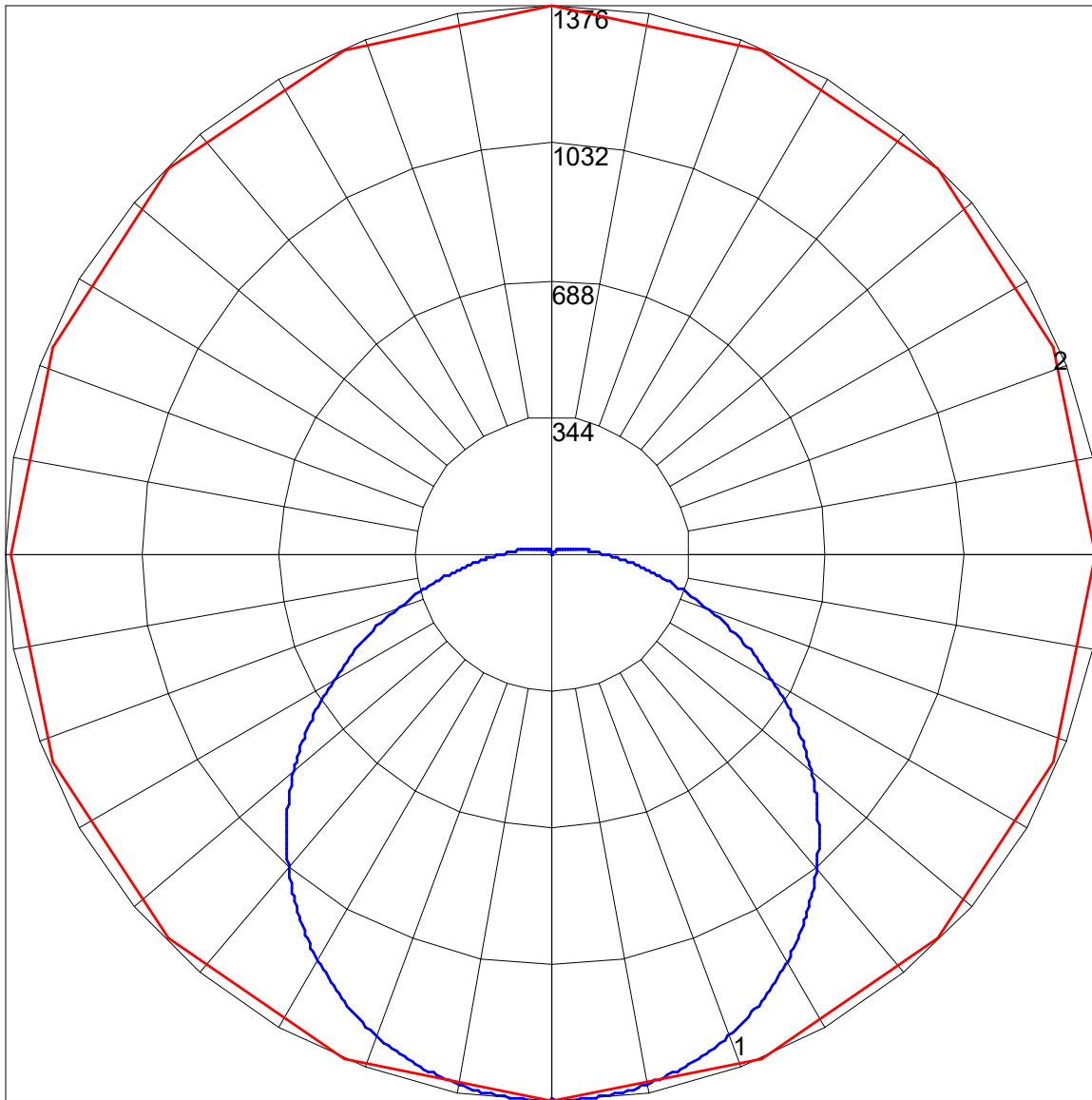
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UGR TABLE - CORRECTED

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	17.0	18.6	17.4	19.0	19.4	19.1	20.7	19.5	21.0	21.4
	3H	18.2	19.7	18.7	20.1	20.5	21.1	22.5	21.5	22.9	23.3
	4H	18.6	19.9	19.0	20.3	20.8	21.9	23.3	22.4	23.7	24.1
	6H	18.8	20.0	19.2	20.5	20.9	22.7	24.0	23.2	24.4	24.9
	8H	18.8	20.0	19.3	20.5	20.9	23.1	24.3	23.5	24.7	25.2
	12H	18.8	20.0	19.3	20.4	20.9	23.5	24.6	24.0	25.1	25.6
4H	2H	17.9	19.2	18.3	19.6	20.1	19.5	20.8	19.9	21.3	21.7
	3H	19.3	20.5	19.8	20.9	21.4	21.7	22.8	22.1	23.3	23.8
	4H	19.8	20.8	20.3	21.3	21.8	22.7	23.7	23.2	24.2	24.7
	6H	20.1	21.0	20.6	21.5	22.0	23.6	24.6	24.1	25.1	25.6
	8H	20.1	21.0	20.6	21.5	22.0	24.1	25.0	24.6	25.5	26.0
	12H	20.2	21.0	20.7	21.5	22.0	24.6	25.4	25.1	25.9	26.5
8H	4H	20.3	21.2	20.8	21.7	22.2	22.9	23.7	23.4	24.2	24.8
	6H	20.8	21.5	21.3	22.1	22.6	24.0	24.7	24.5	25.2	25.8
	8H	20.9	21.6	21.5	22.1	22.7	24.5	25.2	25.1	25.8	26.3
	12H	21.0	21.6	21.6	22.1	22.8	25.2	25.8	25.7	26.3	26.9
12H	4H	20.4	21.2	21.0	21.8	22.3	22.9	23.6	23.4	24.2	24.7
	6H	21.0	21.6	21.5	22.2	22.8	24.0	24.7	24.6	25.2	25.8
	8H	21.2	21.8	21.8	22.3	23.0	24.6	25.2	25.2	25.8	26.4

Maximum UGR = 26.9

POLAR GRAPH



Maximum Candela = 1376.054 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.)