



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL35 UV FR 940 @600MA.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 6 SEL35 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 28 LED boards, 4000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set at 600mA

[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	4021
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	25.7
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)	5.84 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	10310	9183	8917
55	8972	8111	7897
65	7214	6809	6626
75	5278	5443	5192
85	3148	4412	3936

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	492.98	N.A.	12.30
0-30	1048.26	N.A.	26.10
0-40	1716.26	N.A.	42.70
0-60	3008.01	N.A.	74.80
0-80	3747.66	N.A.	93.20
0-90	3891.83	N.A.	96.80
10-90	3764.49	N.A.	93.60
20-40	1223.28	N.A.	30.40
20-50	1908.84	N.A.	47.50
40-70	1747.34	N.A.	43.50
60-80	739.65	N.A.	18.40
70-80	284.06	N.A.	7.10
80-90	144.17	N.A.	3.60
90-110	96.85	N.A.	2.40
90-120	113.05	N.A.	2.80
90-130	121.62	N.A.	3.00
90-150	128.05	N.A.	3.20
90-180	129.18	N.A.	3.20
110-180	32.33	N.A.	0.80
0-180	4021.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	127.34
10-20	365.64
20-30	555.28
30-40	668.00
40-50	685.57
50-60	606.19
60-70	455.59
70-80	284.06
80-90	144.17
90-100	65.37
100-110	31.48
110-120	16.21
120-130	8.57
130-140	4.39
140-150	2.04
150-160	0.88
160-170	0.25
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	94	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

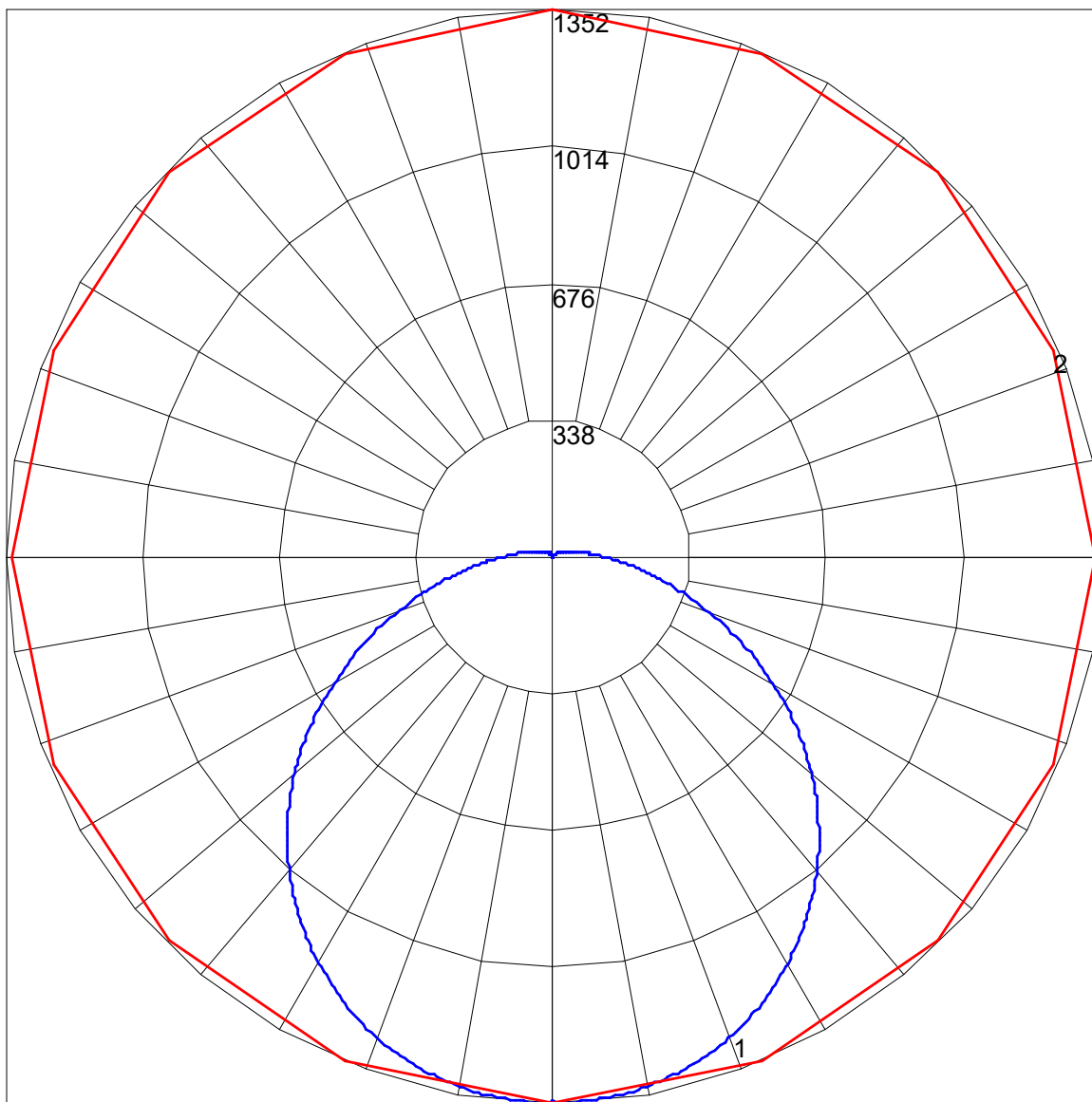
Reflectances

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	17.9	19.4	18.3	19.8	20.2	19.9	21.5	20.3	21.9	22.3
	3H	19.1	20.5	19.5	20.9	21.3	21.9	23.3	22.3	23.7	24.1
	4H	19.4	20.8	19.9	21.2	21.6	22.7	24.1	23.2	24.5	24.9
	6H	19.6	20.9	20.1	21.3	21.8	23.5	24.8	24.0	25.2	25.7
	8H	19.6	20.9	20.1	21.3	21.8	23.9	25.1	24.4	25.6	26.0
	12H	19.7	20.8	20.1	21.3	21.8	24.3	25.5	24.8	25.9	26.4
4H	2H	18.7	20.1	19.2	20.5	20.9	20.3	21.7	20.8	22.1	22.5
	3H	20.1	21.3	20.6	21.7	22.2	22.5	23.7	23.0	24.1	24.6
	4H	20.6	21.7	21.1	22.1	22.6	23.5	24.5	24.0	25.0	25.5
	6H	20.9	21.8	21.4	22.3	22.9	24.5	25.4	25.0	25.9	26.4
	8H	21.0	21.8	21.5	22.3	22.9	24.9	25.8	25.4	26.3	26.8
	12H	21.0	21.8	21.5	22.3	22.9	25.4	26.2	25.9	26.7	27.3
8H	4H	21.2	22.0	21.7	22.5	23.1	23.7	24.6	24.2	25.0	25.6
	6H	21.6	22.3	22.2	22.9	23.4	24.8	25.5	25.3	26.1	26.6
	8H	21.8	22.4	22.3	23.0	23.5	25.4	26.0	25.9	26.6	27.1
	12H	21.9	22.4	22.4	23.0	23.6	26.0	26.6	26.6	27.1	27.8
12H	4H	21.3	22.1	21.8	22.6	23.1	23.7	24.5	24.2	25.0	25.5
	6H	21.8	22.5	22.4	23.0	23.6	24.8	25.5	25.4	26.0	26.6
	8H	22.0	22.6	22.6	23.2	23.8	25.5	26.0	26.0	26.6	27.2

Maximum UGR = 27.8

POLAR GRAPH



Maximum Candela = 1352.361 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.)