



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 SEL35 UV 940 @650MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-016(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 6 SEL35 UV 940

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

[MORE] no enclosure.

[LAMPCAT] Three LS3872A 28 LED boards, 4000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set at 650mA

[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	4641
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	166
Total Luminaire Watts	27.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	6.00 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7368	7117	7063
55	7248	6907	6706
65	6858	6290	6046
75	5858	4942	4608
85	3332	2231	1987

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	567.63	N.A.	12.20
0-30	1215.59	N.A.	26.20
0-40	2012.55	N.A.	43.40
0-60	3641.25	N.A.	78.50
0-80	4566.3	N.A.	98.40
0-90	4640.87	N.A.	100.00
10-90	4494.74	N.A.	96.80
20-40	1444.91	N.A.	31.10
20-50	2291.97	N.A.	49.40
40-70	2226.78	N.A.	48.00
60-80	925.05	N.A.	19.90
70-80	326.98	N.A.	7.00
80-90	74.57	N.A.	1.60
90-110	0.41	N.A.	0.00
90-120	0.41	N.A.	0.00
90-130	0.41	N.A.	0.00
90-150	0.41	N.A.	0.00
90-180	0.41	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4641.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	146.13
10-20	421.50
20-30	647.96
30-40	796.96
40-50	847.06
50-60	781.65
60-70	598.07
70-80	326.98
80-90	74.57
90-100	0.41
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

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UGR TABLE - CORRECTED

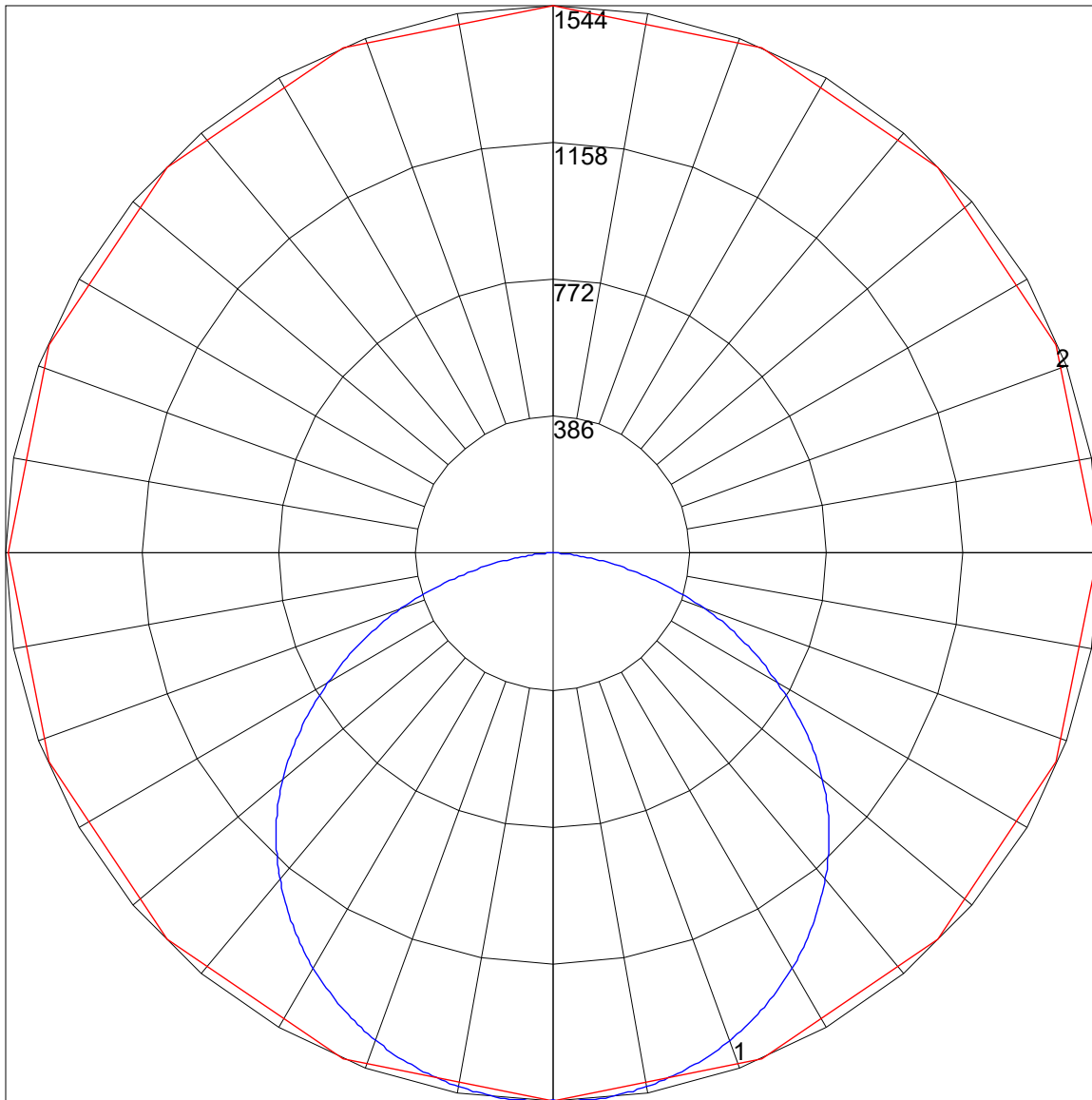
Reflectances

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	18.9	20.6	19.3	20.9	21.2	19.0	20.7	19.4	21.0	21.3
	3H	20.7	22.2	21.1	22.5	22.9	20.8	22.3	21.2	22.7	23.0
	4H	21.3	22.7	21.7	23.1	23.4	21.4	22.8	21.8	23.2	23.6
	6H	21.7	23.0	22.1	23.4	23.8	21.8	23.1	22.2	23.5	23.9
	8H	21.8	23.0	22.2	23.4	23.8	21.9	23.2	22.3	23.6	24.0
	12H	21.8	23.0	22.2	23.4	23.8	22.0	23.2	22.4	23.5	24.0
4H	2H	19.6	21.0	20.0	21.3	21.7	19.7	21.1	20.1	21.4	21.8
	3H	21.5	22.7	21.9	23.1	23.5	21.6	22.8	22.0	23.2	23.6
	4H	22.3	23.3	22.7	23.7	24.2	22.3	23.4	22.7	23.8	24.2
	6H	22.8	23.7	23.2	24.1	24.6	22.8	23.7	23.3	24.2	24.6
	8H	22.9	23.7	23.3	24.2	24.7	22.9	23.8	23.4	24.3	24.7
	12H	22.9	23.7	23.4	24.2	24.7	23.0	23.8	23.5	24.3	24.8
8H	4H	22.5	23.4	23.0	23.8	24.3	22.6	23.5	23.0	23.9	24.4
	6H	23.1	23.8	23.6	24.3	24.8	23.2	23.9	23.6	24.4	24.8
	8H	23.2	23.9	23.8	24.4	24.9	23.3	24.0	23.8	24.5	25.0
	12H	23.3	23.9	23.9	24.4	25.0	23.4	24.0	24.0	24.5	25.1
12H	4H	22.5	23.3	23.0	23.8	24.3	22.6	23.4	23.1	23.9	24.3
	6H	23.1	23.8	23.6	24.2	24.8	23.2	23.8	23.7	24.3	24.8
	8H	23.3	23.9	23.8	24.4	24.9	23.4	24.0	23.9	24.5	25.0

Maximum UGR = 25.1

POLAR GRAPH



Maximum Candela = 1544.063 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)