



IES INDOOR REPORT

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

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

[MORE] no 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	4369
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	167
Total Luminaire Watts	26.1
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)	8.00 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	5206	5027	4986
55	5123	4881	4734
65	4851	4446	4268
75	4149	3496	3253
85	2375	1583	1403

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	534.33	N.A.	12.20
0-30	1144.27	N.A.	26.20
0-40	1894.47	N.A.	43.40
0-60	3427.61	N.A.	78.50
0-80	4298.39	N.A.	98.40
0-90	4368.59	N.A.	100.00
10-90	4231.03	N.A.	96.80
20-40	1360.14	N.A.	31.10
20-50	2157.5	N.A.	49.40
40-70	2096.13	N.A.	48.00
60-80	870.78	N.A.	19.90
70-80	307.79	N.A.	7.00
80-90	70.20	N.A.	1.60
90-110	0.38	N.A.	0.00
90-120	0.38	N.A.	0.00
90-130	0.38	N.A.	0.00
90-150	0.38	N.A.	0.00
90-180	0.38	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4368.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	137.56
10-20	396.77
20-30	609.94
30-40	750.20
40-50	797.36
50-60	735.79
60-70	562.98
70-80	307.79
80-90	70.20
90-100	0.38
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	68	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

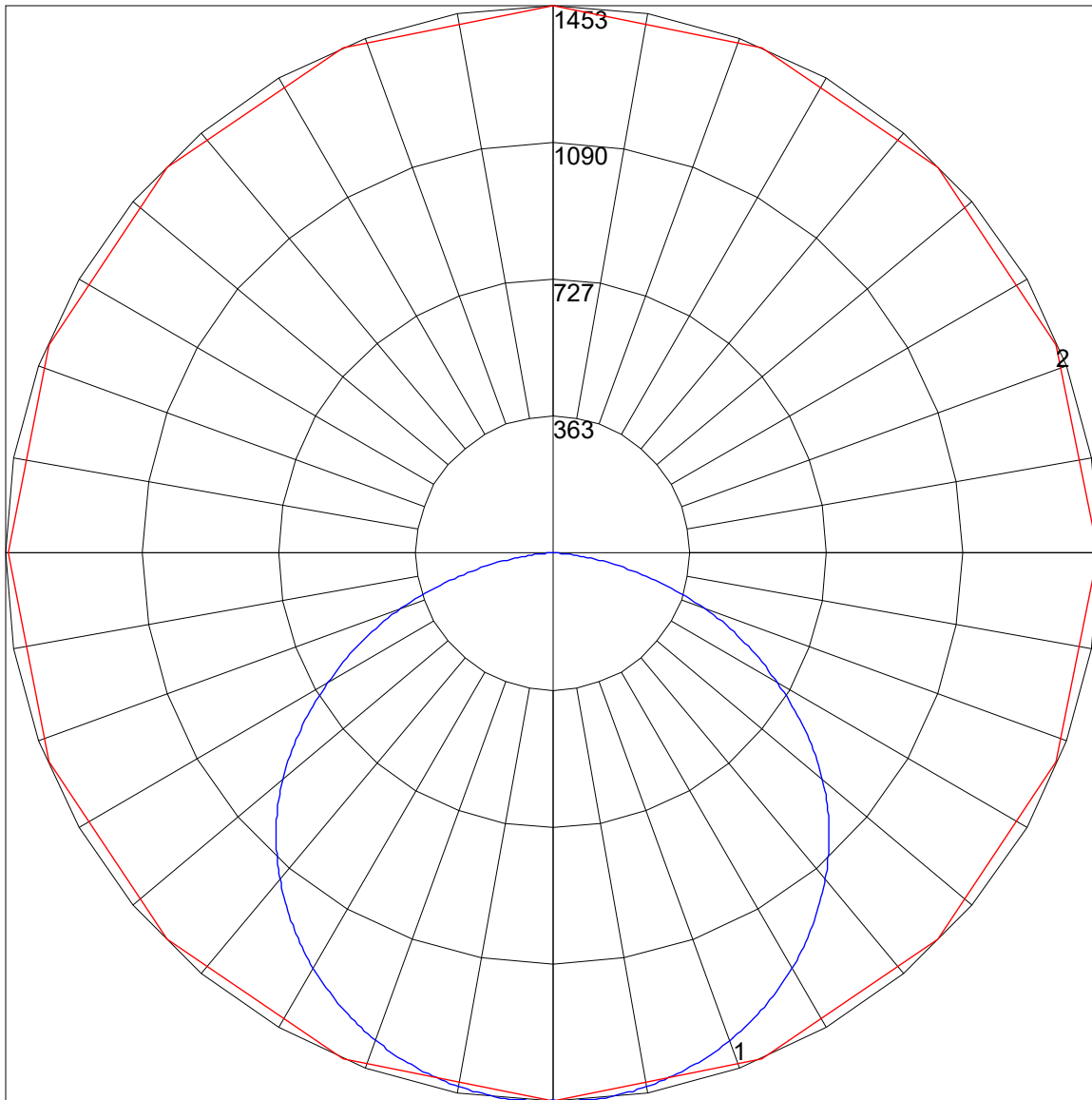
Reflectances

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	17.7	19.4	18.1	19.7	20.0	17.8	19.5	18.2	19.8	20.1
	3H	19.5	21.0	19.9	21.3	21.7	19.6	21.1	20.0	21.5	21.8
	4H	20.1	21.5	20.5	21.9	22.2	20.2	21.6	20.6	22.0	22.4
	6H	20.5	21.8	20.9	22.2	22.6	20.6	21.9	21.0	22.3	22.7
	8H	20.6	21.8	21.0	22.2	22.6	20.7	22.0	21.2	22.4	22.8
	12H	20.6	21.8	21.0	22.2	22.6	20.8	22.0	21.2	22.4	22.8
4H	2H	18.4	19.8	18.8	20.1	20.5	18.5	19.9	18.9	20.2	20.6
	3H	20.3	21.5	20.7	21.9	22.3	20.4	21.6	20.8	22.0	22.4
	4H	21.1	22.1	21.5	22.5	23.0	21.1	22.2	21.6	22.6	23.0
	6H	21.6	22.5	22.0	22.9	23.4	21.6	22.6	22.1	23.0	23.5
	8H	21.7	22.5	22.1	23.0	23.5	21.8	22.6	22.2	23.1	23.5
	12H	21.7	22.5	22.2	23.0	23.5	21.8	22.6	22.3	23.1	23.6
8H	4H	21.3	22.2	21.8	22.6	23.1	21.4	22.3	21.8	22.7	23.2
	6H	21.9	22.6	22.4	23.1	23.6	22.0	22.7	22.5	23.2	23.6
	8H	22.0	22.7	22.6	23.2	23.7	22.1	22.8	22.6	23.3	23.8
	12H	22.2	22.7	22.7	23.2	23.8	22.3	22.8	22.8	23.3	23.9
12H	4H	21.3	22.1	21.8	22.6	23.1	21.4	22.2	21.9	22.7	23.1
	6H	21.9	22.6	22.4	23.0	23.6	22.0	22.6	22.5	23.1	23.6
	8H	22.1	22.7	22.6	23.2	23.8	22.2	22.8	22.7	23.3	23.8

Maximum UGR = 23.9

POLAR GRAPH



Maximum Candela = 1453.47 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.)