



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 SEL100 UV 940 @1600MA.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 SEL100 UV 940

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

[MORE] no enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 4000K

[BALLAST] One KTLD-100-UV-PS1800-54-VDIM-LM2 LED driver set to 1600mA

[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	12921
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	163
Total Luminaire Watts	79.5
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	15397	14868	14747
55	15152	14434	14001
65	14345	13148	12624
75	12271	10340	9622
85	7024	4681	4148

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL G2 8 SEL100 UV 940 @1600MA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1580.27	N.A.	12.20
0-30	3384.15	N.A.	26.20
0-40	5602.84	N.A.	43.40
0-60	10137.08	N.A.	78.50
0-80	12712.37	N.A.	98.40
0-90	12919.97	N.A.	100.00
10-90	12513.15	N.A.	96.80
20-40	4022.57	N.A.	31.10
20-50	6380.74	N.A.	49.40
40-70	6199.24	N.A.	48.00
60-80	2575.3	N.A.	19.90
70-80	910.29	N.A.	7.00
80-90	207.60	N.A.	1.60
90-110	1.13	N.A.	0.00
90-120	1.13	N.A.	0.00
90-130	1.13	N.A.	0.00
90-150	1.13	N.A.	0.00
90-180	1.13	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	12921.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	406.83
10-20	1173.44
20-30	1803.88
30-40	2218.69
40-50	2358.18
50-60	2176.06
60-70	1665.00
70-80	910.29
80-90	207.60
90-100	1.13
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 SEL100 UV 940 @1600MA.IES

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

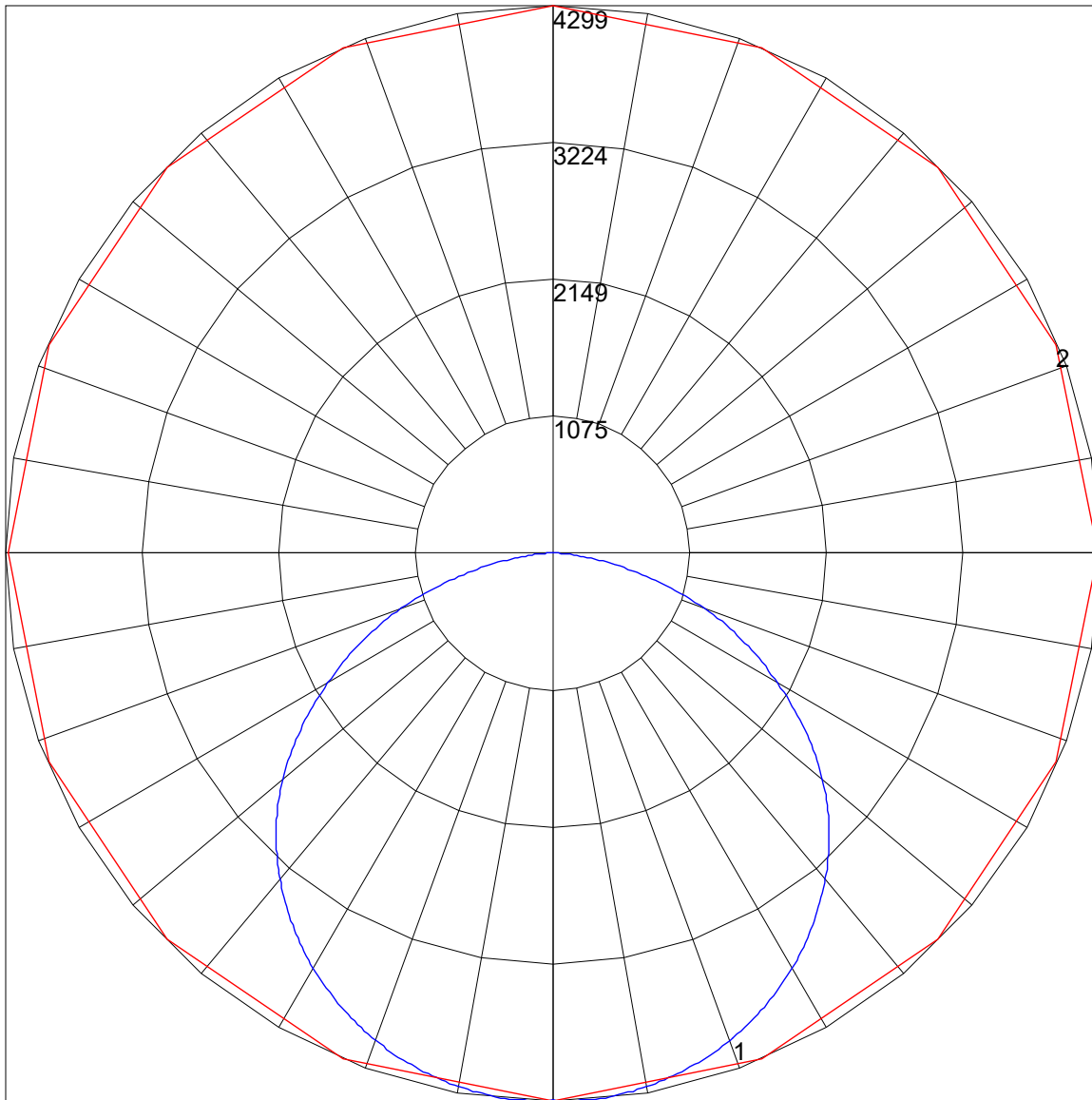
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL G2 8 SEL100 UV 940 @1600MA.IES

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	21.5	23.2	21.9	23.5	23.8	21.6	23.3	22.0	23.6	23.9
	3H	23.3	24.8	23.7	25.1	25.5	23.4	24.9	23.8	25.3	25.6
	4H	23.9	25.3	24.3	25.7	26.0	24.0	25.4	24.4	25.8	26.2
	6H	24.3	25.6	24.7	26.0	26.4	24.4	25.7	24.8	26.1	26.5
	8H	24.4	25.6	24.8	26.0	26.4	24.5	25.8	25.0	26.2	26.6
	12H	24.4	25.6	24.8	26.0	26.4	24.6	25.8	25.0	26.2	26.6
4H	2H	22.2	23.6	22.6	23.9	24.3	22.3	23.7	22.7	24.0	24.4
	3H	24.1	25.3	24.5	25.7	26.1	24.2	25.4	24.6	25.8	26.2
	4H	24.9	25.9	25.3	26.3	26.8	24.9	26.0	25.4	26.4	26.8
	6H	25.4	26.3	25.8	26.7	27.2	25.4	26.4	25.9	26.8	27.3
	8H	25.5	26.3	25.9	26.8	27.3	25.6	26.4	26.0	26.9	27.3
	12H	25.5	26.3	26.0	26.8	27.3	25.6	26.4	26.1	26.9	27.4
8H	4H	25.1	26.0	25.6	26.4	26.9	25.2	26.1	25.6	26.5	27.0
	6H	25.7	26.4	26.2	26.9	27.4	25.8	26.5	26.3	27.0	27.4
	8H	25.8	26.5	26.4	27.0	27.5	25.9	26.6	26.4	27.1	27.6
	12H	26.0	26.5	26.5	27.0	27.6	26.1	26.6	26.6	27.1	27.7
12H	4H	25.1	25.9	25.6	26.4	26.9	25.2	26.0	25.7	26.5	26.9
	6H	25.7	26.4	26.2	26.8	27.4	25.8	26.4	26.3	26.9	27.4
	8H	25.9	26.5	26.4	27.0	27.6	26.0	26.6	26.5	27.1	27.6

Maximum UGR = 27.7

POLAR GRAPH



Maximum Candela = 4298.599 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.)