



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 SEL25 UV 930 @350MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-011A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 2 SEL25 UV 930

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

[MORE] no enclosure.

[LAMPCAT] One LS3872A 48 LED board, 3000K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set to 350mA

[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	2756
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	17.8
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)	1.99 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	13087	12669	12630
55	12822	12255	12005
65	12043	11125	10828
75	10169	8707	8512
85	5602	3867	3626

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	337.16	N.A.	12.20
0-30	721.88	N.A.	26.20
0-40	1194.86	N.A.	43.40
0-60	2160.52	N.A.	78.40
0-80	2710.39	N.A.	98.40
0-90	2755.35	N.A.	100.00
10-90	2668.55	N.A.	96.80
20-40	857.71	N.A.	31.10
20-50	1360.08	N.A.	49.40
40-70	1320.13	N.A.	47.90
60-80	549.87	N.A.	20.00
70-80	195.40	N.A.	7.10
80-90	44.96	N.A.	1.60
90-110	0.26	N.A.	0.00
90-120	0.26	N.A.	0.00
90-130	0.26	N.A.	0.00
90-150	0.26	N.A.	0.00
90-180	0.26	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2755.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	86.80
10-20	250.35
20-30	384.72
30-40	472.98
40-50	502.38
50-60	463.28
60-70	354.47
70-80	195.40
80-90	44.96
90-100	0.26
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	81	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	51	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	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	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

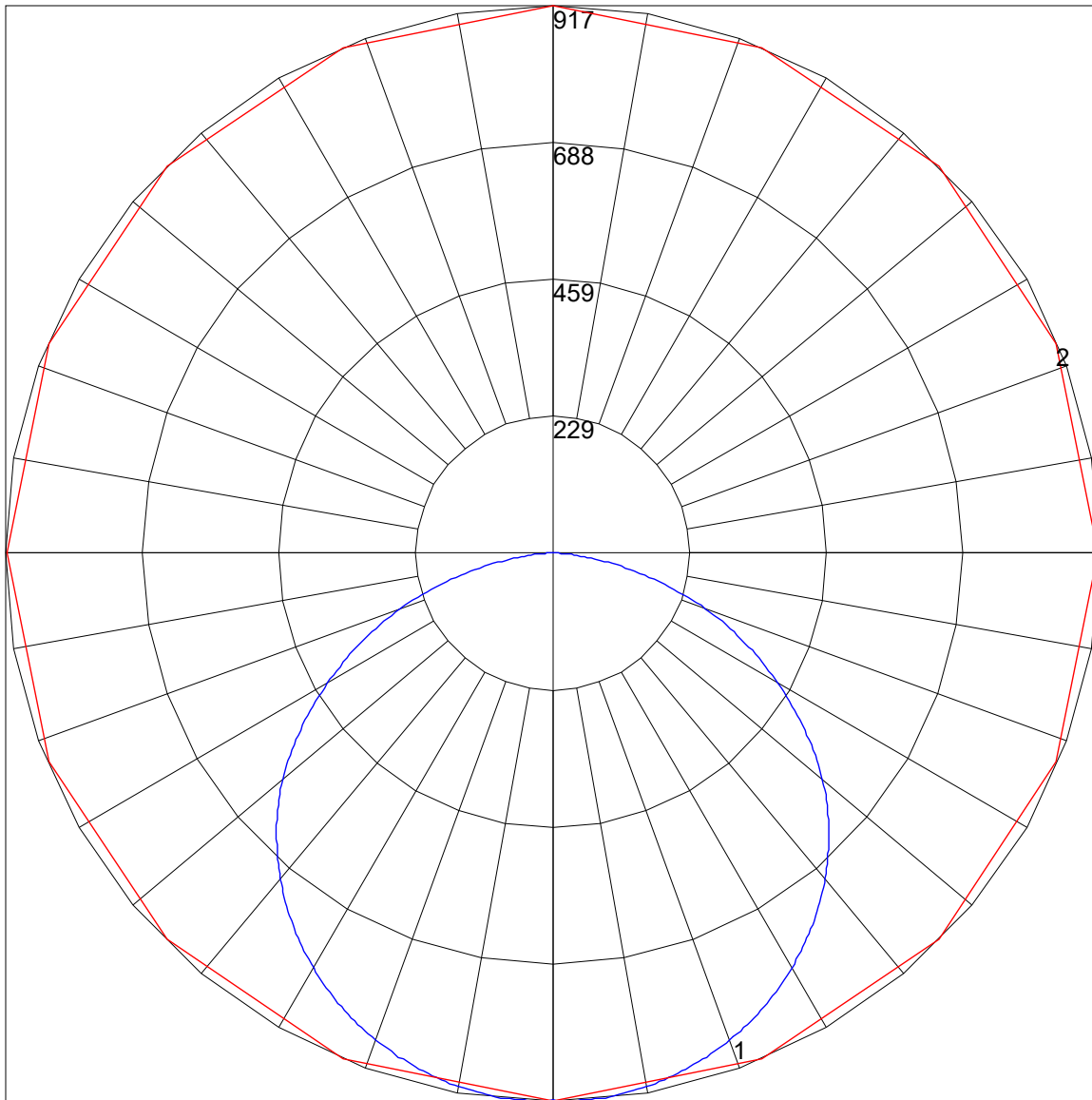
X=2H	Y=2H	20.9	22.6	21.3	22.9	23.2	21.0	22.7	21.4	23.0	23.3
	3H	22.7	24.2	23.1	24.5	24.9	22.8	24.3	23.2	24.6	25.0
	4H	23.3	24.7	23.7	25.1	25.4	23.4	24.8	23.8	25.2	25.6
	6H	23.7	25.0	24.1	25.4	25.8	23.8	25.1	24.2	25.5	25.9
	8H	23.8	25.0	24.2	25.4	25.8	23.9	25.2	24.4	25.6	26.0
	12H	23.8	25.0	24.2	25.4	25.8	24.0	25.2	24.4	25.6	26.0

UGR Viewed Endwise

4H	2H	21.6	23.0	22.0	23.3	23.7	21.7	23.1	22.0	23.4	23.8
	3H	23.5	24.7	23.9	25.1	25.5	23.6	24.8	24.0	25.2	25.6
	4H	24.3	25.3	24.7	25.7	26.2	24.3	25.4	24.8	25.8	26.3
	6H	24.7	25.7	25.2	26.1	26.6	24.8	25.8	25.3	26.2	26.7
	8H	24.9	25.7	25.3	26.2	26.6	25.0	25.9	25.4	26.3	26.8
	12H	24.9	25.7	25.4	26.2	26.7	25.1	25.8	25.5	26.3	26.8
8H	4H	24.5	25.4	25.0	25.8	26.3	24.6	25.5	25.1	25.9	26.4
	6H	25.1	25.8	25.6	26.3	26.8	25.2	25.9	25.7	26.4	26.9
	8H	25.2	25.9	25.8	26.4	26.9	25.4	26.0	25.9	26.5	27.0
	12H	25.3	25.9	25.9	26.4	27.0	25.5	26.1	26.0	26.6	27.1
12H	4H	24.5	25.3	25.0	25.8	26.3	24.6	25.4	25.1	25.9	26.3
	6H	25.1	25.8	25.6	26.2	26.8	25.2	25.9	25.7	26.3	26.9
	8H	25.3	25.9	25.8	26.4	26.9	25.4	26.0	25.9	26.5	27.1

Maximum UGR = 27.1

POLAR GRAPH



Maximum Candela = 917.199 Located At Horizontal Angle = 90, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)