



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 SEL45 UV FR 935 @700MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-018(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 6 SEL45 UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 48 LED boards, 3500K

[BALLAST] One KTLD-45-UV-PS850-54-VDIM-LM1 LED driver set to 700mA

[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	5334
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	34.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	6.00 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7530	7236	7205
55	6578	6574	6618
65	5306	5759	5842
75	3881	4937	4946
85	2302	4630	4338

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ECL G2 6 SEL45 UV FR 935 @700MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	663.21	N.A.	12.40
0-30	1410.38	N.A.	26.40
0-40	2309.34	N.A.	43.30
0-60	4048.13	N.A.	75.90
0-80	5046.22	N.A.	94.60
0-90	5239.11	N.A.	98.20
10-90	5067.86	N.A.	95.00
20-40	1646.14	N.A.	30.90
20-50	2568.55	N.A.	48.20
40-70	2353.39	N.A.	44.10
60-80	998.10	N.A.	18.70
70-80	383.49	N.A.	7.20
80-90	192.89	N.A.	3.60
90-110	95.08	N.A.	1.80
90-120	95.28	N.A.	1.80
90-130	95.28	N.A.	1.80
90-150	95.28	N.A.	1.80
90-180	95.28	N.A.	1.80
110-180	0.19	N.A.	0.00
0-180	5334.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	171.25
10-20	491.95
20-30	747.17
30-40	898.97
40-50	922.41
50-60	816.37
60-70	614.61
70-80	383.49
80-90	192.89
90-100	77.32
100-110	17.76
110-120	0.19
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 6 SEL45 UV FR 935 @700MA.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	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	95	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	77	69	63	73	67	61	70	65	60	67	63	59	56
4	82	69	60	54	79	68	60	53	65	58	52	63	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	51	42	36	62	50	41	35	48	40	35	46	40	35	45	39	34	32
8	60	46	38	32	58	45	37	32	44	36	31	42	36	31	41	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	26	36	30	25	35	29	25	23

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 SEL45 UV FR 935 @700MA.IES

UGR TABLE - CORRECTED

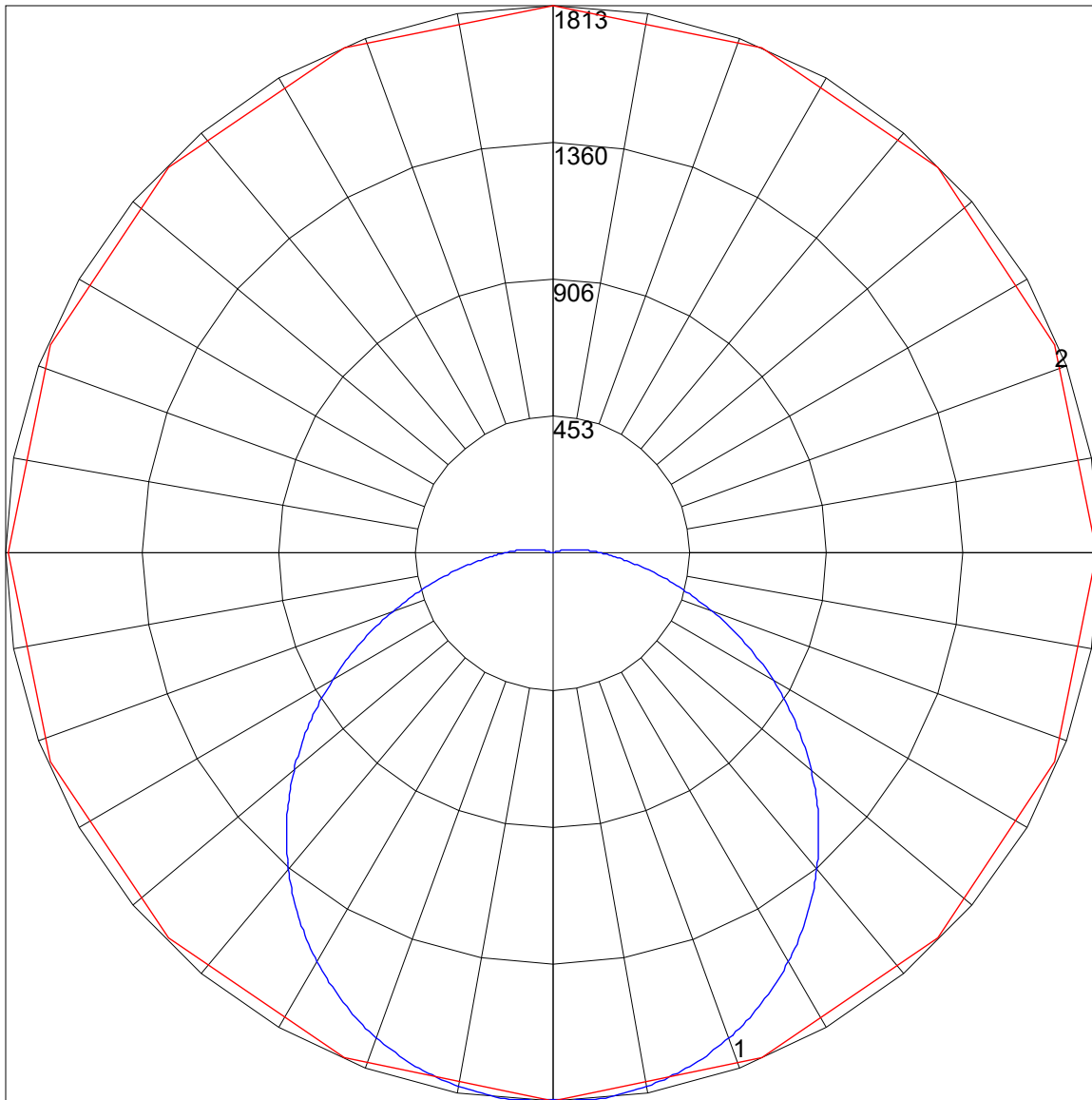
Reflectances

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	17.4	19.0	17.8	19.4	19.7	19.1	20.7	19.5	21.1	21.4
	3H	18.7	20.2	19.1	20.5	20.9	21.1	22.5	21.5	22.9	23.3
	4H	19.1	20.5	19.5	20.9	21.3	21.9	23.3	22.4	23.7	24.1
	6H	19.3	20.6	19.8	21.0	21.4	22.7	24.0	23.2	24.4	24.9
	8H	19.4	20.6	19.8	21.0	21.5	23.1	24.3	23.6	24.8	25.2
	12H	19.4	20.6	19.9	21.0	21.5	23.5	24.7	24.0	25.1	25.6
4H	2H	18.2	19.6	18.7	20.0	20.4	19.6	20.9	20.0	21.3	21.8
	3H	19.8	20.9	20.2	21.4	21.8	21.8	22.9	22.2	23.4	23.8
	4H	20.3	21.4	20.8	21.8	22.3	22.8	23.8	23.3	24.3	24.8
	6H	20.7	21.6	21.1	22.1	22.6	23.8	24.7	24.2	25.2	25.7
	8H	20.7	21.6	21.2	22.1	22.6	24.2	25.1	24.7	25.6	26.1
	12H	20.8	21.6	21.3	22.1	22.6	24.7	25.5	25.2	26.0	26.5
8H	4H	20.9	21.7	21.4	22.2	22.7	23.0	23.9	23.5	24.4	24.9
	6H	21.4	22.1	21.9	22.6	23.2	24.2	24.9	24.7	25.4	25.9
	8H	21.6	22.2	22.1	22.8	23.3	24.8	25.4	25.3	25.9	26.5
	12H	21.7	22.3	22.2	22.8	23.4	25.4	26.0	25.9	26.5	27.1
12H	4H	21.0	21.8	21.5	22.3	22.8	23.0	23.8	23.5	24.3	24.8
	6H	21.6	22.3	22.2	22.8	23.3	24.2	24.9	24.8	25.4	26.0
	8H	21.8	22.4	22.4	23.0	23.6	24.9	25.4	25.4	26.0	26.6

Maximum UGR = 27.1

POLAR GRAPH



Maximum Candela = 1812.726 Located At Horizontal Angle = 90, Vertical Angle = 3.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3.5) (Through Max. Cd.)