



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 SEL45 UV FR 935 @800MA.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 8 SEL45 UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 3500K

[BALLAST] One KTLD-45-UV-PS850-54-VDIM-LM1 LED driver set to 800mA

[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	6094
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	38.9
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)	8.00 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	6468	6209	6173
55	5656	5645	5670
65	4571	4949	5005
75	3356	4250	4237
85	2026	4002	3717

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ECL G2 8 SEL45 UV FR 935 @800MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	757.60	N.A.	12.40
0-30	1611.11	N.A.	26.40
0-40	2638.03	N.A.	43.30
0-60	4624.3	N.A.	75.90
0-80	5764.45	N.A.	94.60
0-90	5984.8	N.A.	98.20
10-90	5789.17	N.A.	95.00
20-40	1880.43	N.A.	30.90
20-50	2934.13	N.A.	48.20
40-70	2688.35	N.A.	44.10
60-80	1140.16	N.A.	18.70
70-80	438.07	N.A.	7.20
80-90	220.34	N.A.	3.60
90-110	108.62	N.A.	1.80
90-120	108.84	N.A.	1.80
90-130	108.84	N.A.	1.80
90-150	108.84	N.A.	1.80
90-180	108.84	N.A.	1.80
110-180	0.22	N.A.	0.00
0-180	6093.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	195.63
10-20	561.97
20-30	853.51
30-40	1026.92
40-50	1053.7
50-60	932.57
60-70	702.08
70-80	438.07
80-90	220.34
90-100	88.33
100-110	20.29
110-120	0.22
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	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	25	36	30	25	35	29	25	23

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## UGR TABLE - CORRECTED

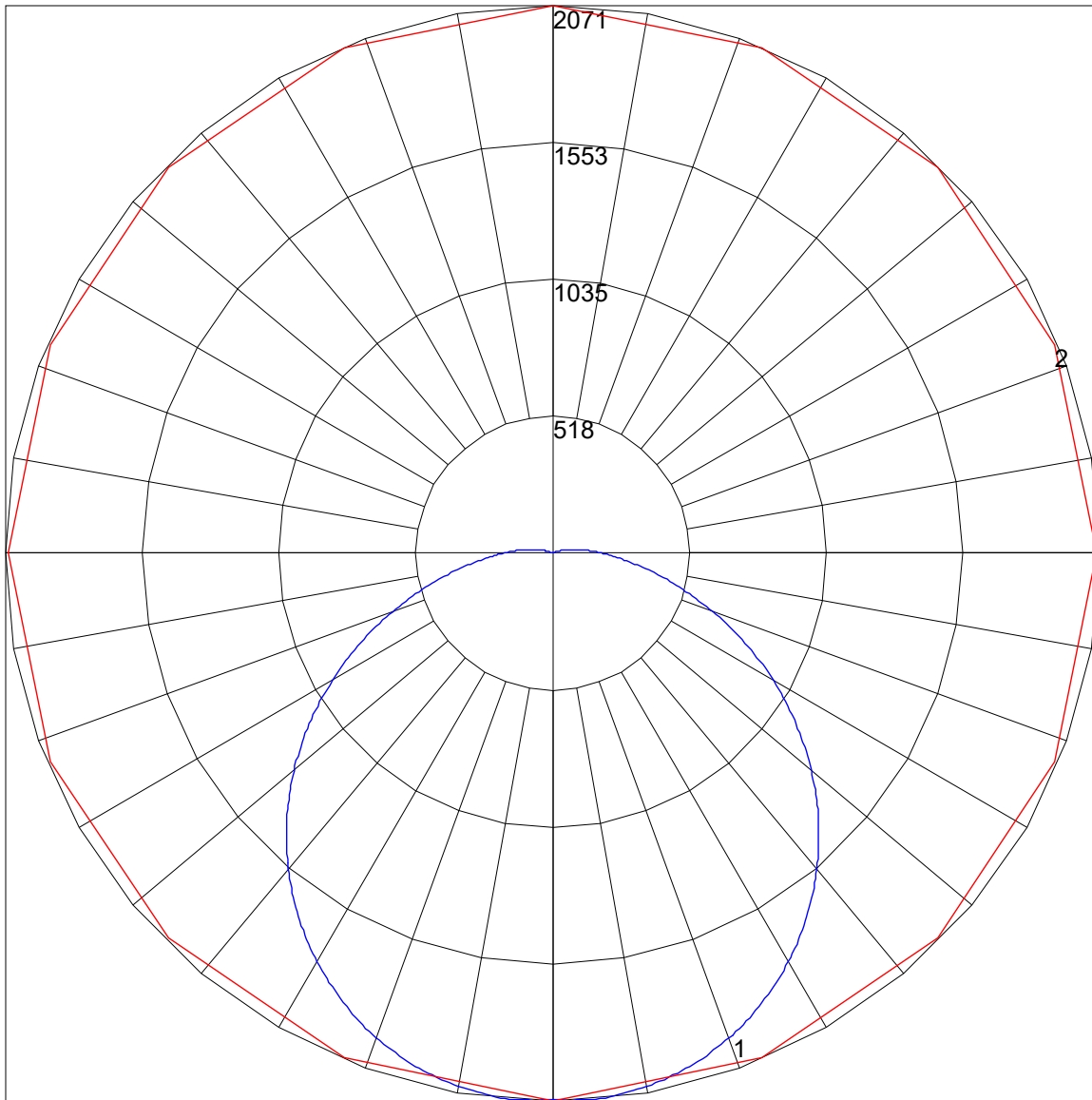
### Reflectances

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	16.9	18.5	17.3	18.9	19.2	18.6	20.2	19.0	20.6	20.9
	3H	18.2	19.7	18.6	20.0	20.4	20.6	22.1	21.0	22.4	22.8
	4H	18.6	20.0	19.0	20.4	20.8	21.4	22.8	21.9	23.2	23.6
	6H	18.8	20.1	19.3	20.5	20.9	22.2	23.5	22.7	23.9	24.4
	8H	18.9	20.1	19.3	20.5	21.0	22.6	23.9	23.1	24.3	24.7
	12H	18.9	20.1	19.4	20.5	21.0	23.0	24.2	23.5	24.6	25.1
4H	2H	17.7	19.1	18.2	19.5	19.9	19.1	20.5	19.5	20.8	21.3
	3H	19.3	20.5	19.7	20.9	21.3	21.3	22.5	21.7	22.9	23.3
	4H	19.8	20.9	20.3	21.3	21.8	22.3	23.4	22.8	23.8	24.3
	6H	20.2	21.1	20.6	21.6	22.1	23.3	24.2	23.8	24.7	25.2
	8H	20.2	21.1	20.7	21.6	22.1	23.7	24.6	24.2	25.1	25.6
	12H	20.3	21.1	20.8	21.6	22.1	24.3	25.0	24.8	25.6	26.1
8H	4H	20.4	21.2	20.9	21.7	22.2	22.5	23.4	23.0	23.9	24.4
	6H	20.9	21.6	21.4	22.1	22.7	23.7	24.4	24.2	24.9	25.5
	8H	21.1	21.7	21.6	22.3	22.8	24.3	24.9	24.8	25.5	26.0
	12H	21.2	21.8	21.7	22.3	22.9	24.9	25.5	25.5	26.0	26.6
12H	4H	20.5	21.3	21.0	21.8	22.3	22.5	23.3	23.1	23.9	24.4
	6H	21.1	21.8	21.7	22.3	22.9	23.8	24.4	24.3	24.9	25.5
	8H	21.4	21.9	21.9	22.5	23.1	24.4	25.0	24.9	25.5	26.1

Maximum UGR = 26.6

POLAR GRAPH



Maximum Candela = 2070.732 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.)