



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 SH UV FR 935.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-018(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/1/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL G2 8 SH UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMP] 256 white LEDs on four LS3872A LED boards

[BALLAST] Two ULT D21CC80UNVPW-D LED drivers labeled as 1420mA

[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	20615
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	146.7
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	21883	21007	20884
55	19136	19097	19181
65	15464	16744	16932
75	11355	14377	14335
85	6855	13538	12574

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL G2 8 SH UV FR 935.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2563.05	N.A.	12.40
0-30	5450.58	N.A.	26.40
0-40	8924.77	N.A.	43.30
0-60	15644.52	N.A.	75.90
0-80	19501.81	N.A.	94.60
0-90	20247.26	N.A.	98.20
10-90	19585.42	N.A.	95.00
20-40	6361.72	N.A.	30.90
20-50	9926.49	N.A.	48.20
40-70	9094.99	N.A.	44.10
60-80	3857.28	N.A.	18.70
70-80	1482.05	N.A.	7.20
80-90	745.45	N.A.	3.60
90-110	367.47	N.A.	1.80
90-120	368.21	N.A.	1.80
90-130	368.21	N.A.	1.80
90-150	368.21	N.A.	1.80
90-180	368.21	N.A.	1.80
110-180	0.75	N.A.	0.00
0-180	20615.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	661.84
10-20	1901.21
20-30	2887.54
30-40	3474.18
40-50	3564.78
50-60	3154.98
60-70	2375.23
70-80	1482.05
80-90	745.45
90-100	298.82
100-110	68.65
110-120	0.75
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 SH UV FR 935.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	25	36	30	25	35	29	25	23

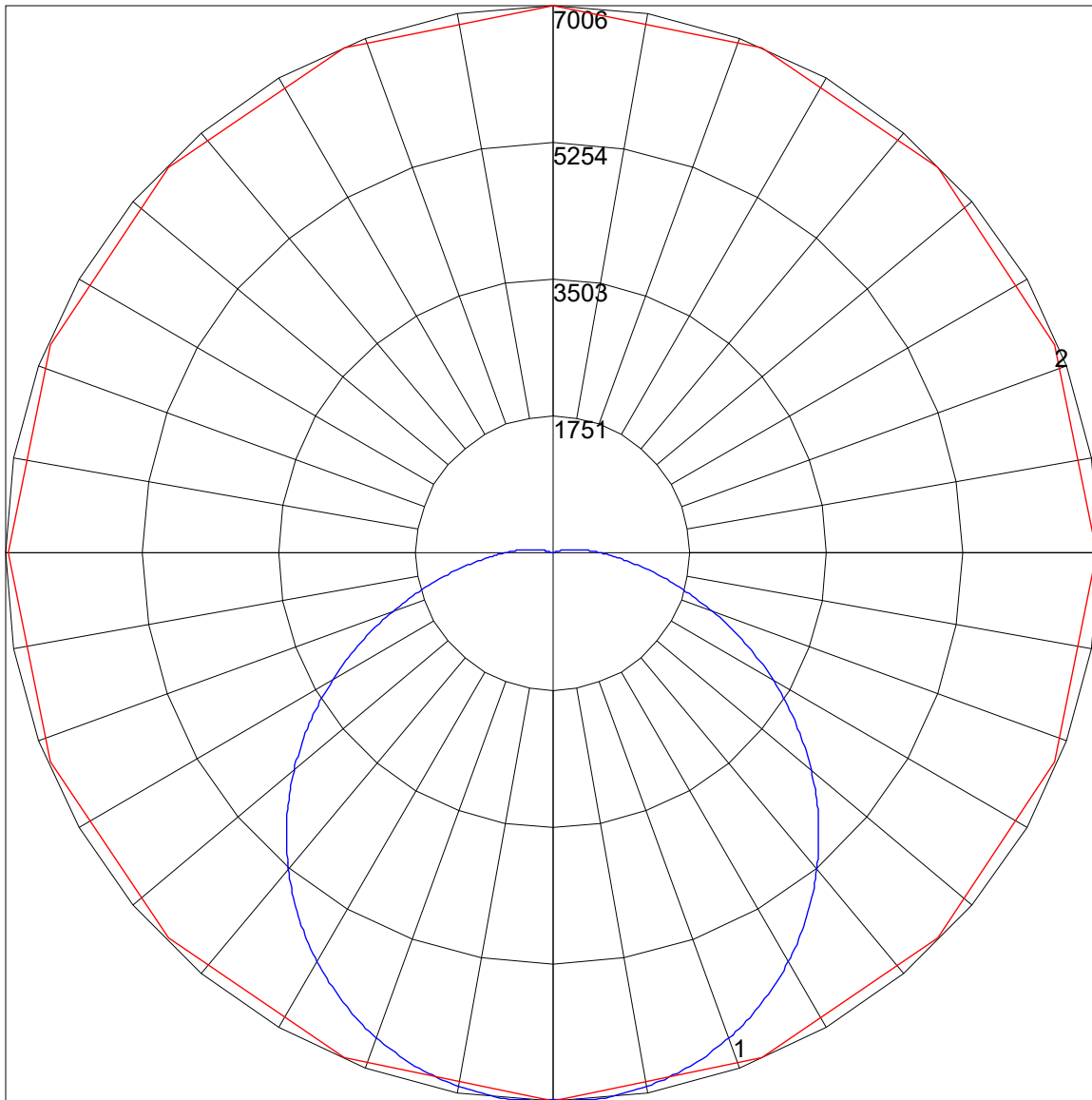
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL G2 8 SH UV FR 935.IES**

**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	21.1	22.7	21.5	23.1	23.4	22.8	24.4	23.2	24.8	25.1
	3H	22.4	23.9	22.8	24.2	24.6	24.8	26.3	25.2	26.6	27.0
	4H	22.8	24.2	23.2	24.6	25.0	25.6	27.0	26.1	27.4	27.8
	6H	23.0	24.3	23.5	24.7	25.2	26.4	27.7	26.9	28.1	28.6
	8H	23.1	24.3	23.5	24.7	25.2	26.8	28.1	27.3	28.5	28.9
	12H	23.1	24.3	23.6	24.7	25.2	27.2	28.4	27.7	28.8	29.3
4H	2H	21.9	23.3	22.4	23.7	24.1	23.3	24.7	23.7	25.0	25.5
	3H	23.5	24.7	23.9	25.1	25.5	25.5	26.7	25.9	27.1	27.5
	4H	24.0	25.1	24.5	25.5	26.0	26.5	27.6	27.0	28.0	28.5
	6H	24.4	25.3	24.8	25.8	26.3	27.5	28.4	28.0	28.9	29.4
	8H	24.4	25.3	24.9	25.8	26.3	27.9	28.8	28.4	29.3	29.8
	12H	24.5	25.3	25.0	25.8	26.3	28.5	29.2	29.0	29.8	30.3
8H	4H	24.6	25.4	25.1	25.9	26.4	26.7	27.6	27.2	28.1	28.6
	6H	25.1	25.8	25.6	26.3	26.9	27.9	28.6	28.4	29.1	29.7
	8H	25.3	25.9	25.8	26.5	27.0	28.5	29.1	29.0	29.7	30.2
	12H	25.4	26.0	25.9	26.5	27.1	29.1	29.7	29.7	30.2	30.8
12H	4H	24.7	25.5	25.2	26.0	26.5	26.7	27.5	27.3	28.1	28.6
	6H	25.3	26.0	25.9	26.5	27.1	28.0	28.6	28.5	29.1	29.7
	8H	25.6	26.1	26.1	26.7	27.3	28.6	29.2	29.1	29.7	30.3

Maximum UGR = 30.8

POLAR GRAPH



Maximum Candela = 7005.523 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.)