



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 ML UV FR 950.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 ML UV FR 950

[LUMINAIRE] Surface or suspended mounted, formed white painted steel housing/reflector,
[MORE] translucent curved plastic enclosure.

[LAMP] 112 white LEDs on four LS3872A LED boards

[BALLAST] One ULT D15CC55UNVPW-C LED driver labeled as 960mA

[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	6493
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	43.1
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	6893	6617	6578
55	6027	6015	6042
65	4871	5274	5333
75	3577	4529	4515
85	2159	4264	3961

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL G2 8 ML UV FR 950.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	807.30	N.A.	12.40
0-30	1716.81	N.A.	26.40
0-40	2811.1	N.A.	43.30
0-60	4927.68	N.A.	75.90
0-80	6142.64	N.A.	94.60
0-90	6377.44	N.A.	98.20
10-90	6168.97	N.A.	95.00
20-40	2003.8	N.A.	30.90
20-50	3126.63	N.A.	48.20
40-70	2864.72	N.A.	44.10
60-80	1214.96	N.A.	18.70
70-80	466.81	N.A.	7.20
80-90	234.80	N.A.	3.60
90-110	115.74	N.A.	1.80
90-120	115.98	N.A.	1.80
90-130	115.98	N.A.	1.80
90-150	115.98	N.A.	1.80
90-180	115.98	N.A.	1.80
110-180	0.23	N.A.	0.00
0-180	6493.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	208.46
10-20	598.84
20-30	909.51
30-40	1094.29
40-50	1122.83
50-60	993.75
60-70	748.15
70-80	466.81
80-90	234.80
90-100	94.12
100-110	21.62
110-120	0.23
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 ML UV FR 950.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

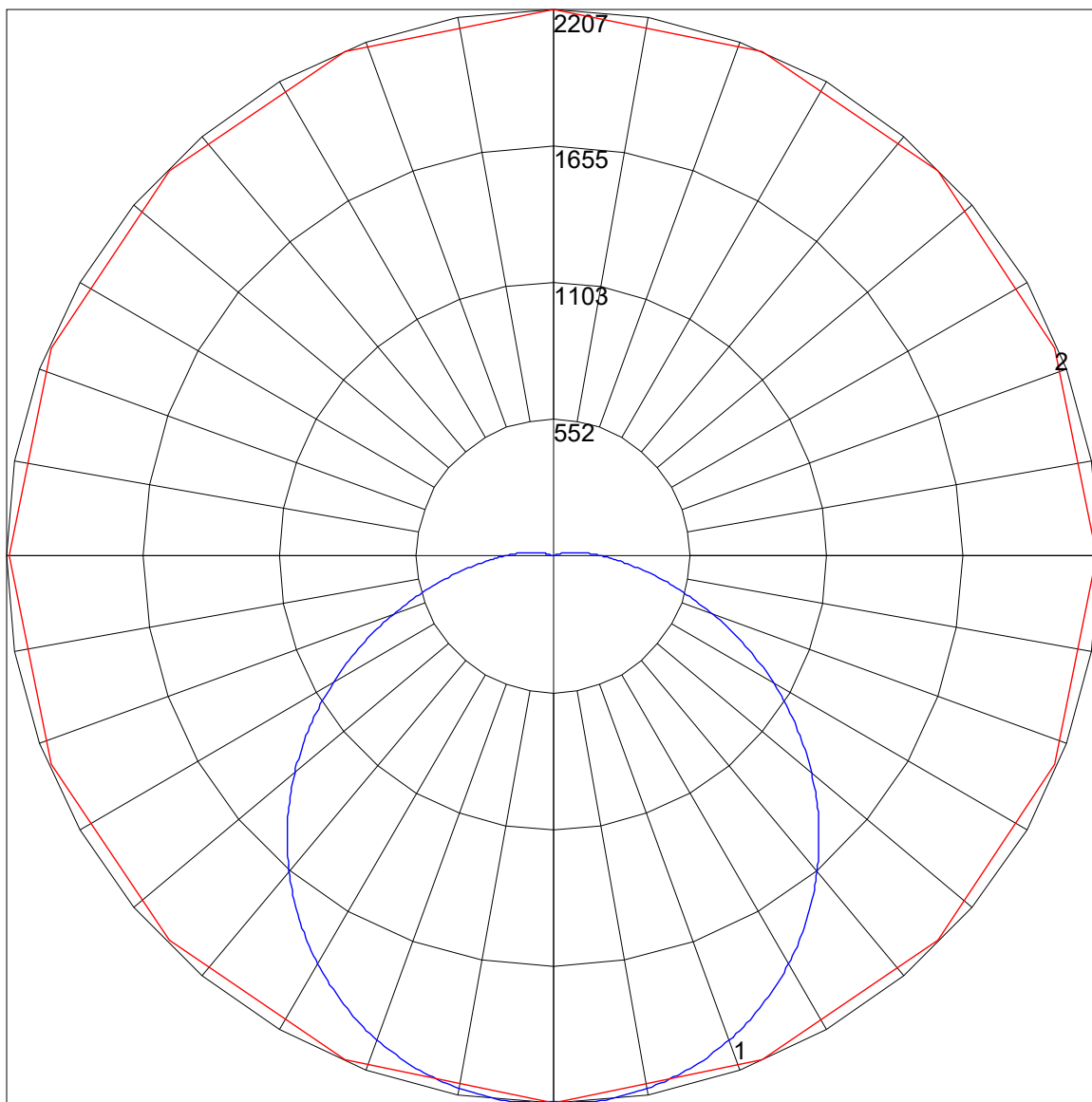
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL G2 8 ML UV FR 950.IES

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	17.1	18.7	17.5	19.1	19.4	18.8	20.4	19.2	20.8	21.1
	3H	18.4	19.9	18.8	20.2	20.6	20.8	22.3	21.2	22.6	23.0
	4H	18.8	20.2	19.2	20.6	21.0	21.6	23.0	22.1	23.4	23.8
	6H	19.0	20.3	19.5	20.7	21.2	22.4	23.7	22.9	24.1	24.6
	8H	19.1	20.3	19.5	20.7	21.2	22.8	24.1	23.3	24.5	24.9
	12H	19.1	20.3	19.6	20.7	21.2	23.2	24.4	23.7	24.8	25.3
4H	2H	17.9	19.3	18.4	19.7	20.1	19.3	20.7	19.7	21.0	21.5
	3H	19.5	20.7	19.9	21.1	21.5	21.5	22.7	21.9	23.1	23.5
	4H	20.0	21.1	20.5	21.5	22.0	22.5	23.6	23.0	24.0	24.5
	6H	20.4	21.3	20.8	21.8	22.3	23.5	24.4	24.0	24.9	25.4
	8H	20.4	21.3	20.9	21.8	22.3	23.9	24.8	24.4	25.3	25.8
	12H	20.5	21.3	21.0	21.8	22.3	24.5	25.2	25.0	25.8	26.3
8H	4H	20.6	21.4	21.1	21.9	22.4	22.7	23.6	23.2	24.1	24.6
	6H	21.1	21.8	21.6	22.3	22.9	23.9	24.6	24.4	25.1	25.7
	8H	21.3	21.9	21.8	22.5	23.0	24.5	25.1	25.0	25.7	26.2
	12H	21.4	22.0	21.9	22.5	23.1	25.1	25.7	25.7	26.2	26.8
12H	4H	20.7	21.5	21.2	22.0	22.5	22.7	23.5	23.3	24.1	24.6
	6H	21.3	22.0	21.9	22.5	23.1	24.0	24.6	24.5	25.1	25.7
	8H	21.6	22.1	22.1	22.7	23.3	24.6	25.2	25.1	25.7	26.3

Maximum UGR = 26.8

POLAR GRAPH



Maximum Candela = 2206.584 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.)