



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 ML 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 ML UV FR 935

[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	6343
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
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	6733	6463	6425
55	5888	5876	5901
65	4758	5152	5210
75	3494	4423	4410
85	2109	4165	3869

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	788.57	N.A.	12.40
0-30	1676.98	N.A.	26.40
0-40	2745.89	N.A.	43.30
0-60	4813.36	N.A.	75.90
0-80	6000.13	N.A.	94.60
0-90	6229.48	N.A.	98.20
10-90	6025.85	N.A.	95.00
20-40	1957.31	N.A.	30.90
20-50	3054.09	N.A.	48.20
40-70	2798.26	N.A.	44.10
60-80	1186.77	N.A.	18.70
70-80	455.98	N.A.	7.20
80-90	229.35	N.A.	3.60
90-110	113.06	N.A.	1.80
90-120	113.29	N.A.	1.80
90-130	113.29	N.A.	1.80
90-150	113.29	N.A.	1.80
90-180	113.29	N.A.	1.80
110-180	0.23	N.A.	0.00
0-180	6342.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	203.63
10-20	584.95
20-30	888.41
30-40	1068.9
40-50	1096.78
50-60	970.69
60-70	730.79
70-80	455.98
80-90	229.35
90-100	91.94
100-110	21.12
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

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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**

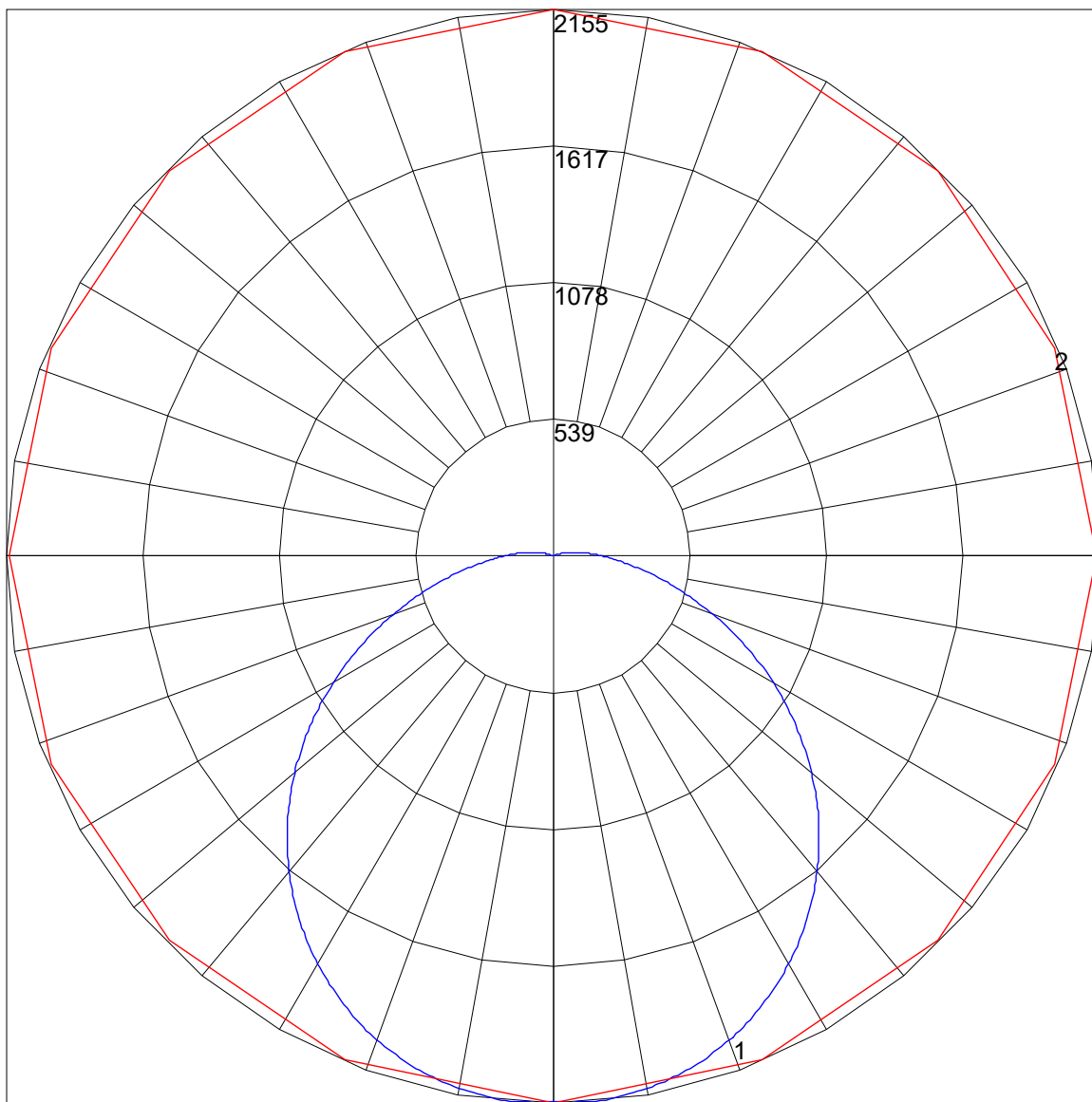
Reflectances

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	17.0	18.6	17.4	19.0	19.3	18.7	20.3	19.1	20.7	21.0
	3H	18.3	19.8	18.7	20.1	20.5	20.7	22.2	21.1	22.5	22.9
	4H	18.7	20.1	19.1	20.5	20.9	21.5	22.9	22.0	23.3	23.7
	6H	18.9	20.2	19.4	20.6	21.1	22.3	23.6	22.8	24.0	24.5
	8H	19.0	20.2	19.4	20.6	21.1	22.7	24.0	23.2	24.4	24.8
	12H	19.0	20.2	19.5	20.6	21.1	23.1	24.3	23.6	24.7	25.2
4H	2H	17.8	19.2	18.3	19.6	20.0	19.2	20.6	19.6	20.9	21.4
	3H	19.4	20.6	19.8	21.0	21.4	21.4	22.6	21.8	23.0	23.4
	4H	19.9	21.0	20.4	21.4	21.9	22.4	23.5	22.9	23.9	24.4
	6H	20.3	21.2	20.7	21.7	22.2	23.4	24.3	23.9	24.8	25.3
	8H	20.3	21.2	20.8	21.7	22.2	23.8	24.7	24.3	25.2	25.7
	12H	20.4	21.2	20.9	21.7	22.2	24.4	25.1	24.9	25.7	26.2
8H	4H	20.5	21.3	21.0	21.8	22.3	22.6	23.5	23.1	24.0	24.5
	6H	21.0	21.7	21.5	22.2	22.8	23.8	24.5	24.3	25.0	25.6
	8H	21.2	21.8	21.7	22.4	22.9	24.4	25.0	24.9	25.6	26.1
	12H	21.3	21.9	21.8	22.4	23.0	25.0	25.6	25.6	26.1	26.7
12H	4H	20.6	21.4	21.1	21.9	22.4	22.6	23.4	23.2	24.0	24.5
	6H	21.2	21.9	21.8	22.4	23.0	23.9	24.5	24.4	25.0	25.6
	8H	21.5	22.0	22.0	22.6	23.2	24.5	25.1	25.0	25.6	26.2

Maximum UGR = 26.7

POLAR GRAPH



Maximum Candela = 2155.392 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.)