



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 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 6 SH UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMP] 192 white LEDs on three LS3872A LED boards

[BALLAST] One ULT D28CC95UVPA12-F LED driver labeled as 2080mA

[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	15158
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	106
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	21398	20561	20474
55	18692	18681	18805
65	15077	16364	16600
75	11027	14029	14054
85	6541	13157	12327

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1884.6	N.A.	12.40
0-30	4007.79	N.A.	26.40
0-40	6562.34	N.A.	43.30
0-60	11503.35	N.A.	75.90
0-80	14339.59	N.A.	94.60
0-90	14887.72	N.A.	98.20
10-90	14401.08	N.A.	95.00
20-40	4677.74	N.A.	30.90
20-50	7298.91	N.A.	48.20
40-70	6687.51	N.A.	44.10
60-80	2836.24	N.A.	18.70
70-80	1089.75	N.A.	7.20
80-90	548.13	N.A.	3.60
90-110	270.20	N.A.	1.80
90-120	270.75	N.A.	1.80
90-130	270.75	N.A.	1.80
90-150	270.75	N.A.	1.80
90-180	270.75	N.A.	1.80
110-180	0.55	N.A.	0.00
0-180	15158.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	486.65
10-20	1397.95
20-30	2123.19
30-40	2554.55
40-50	2621.16
50-60	2319.84
60-70	1746.5
70-80	1089.75
80-90	548.13
90-100	219.72
100-110	50.48
110-120	0.55
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

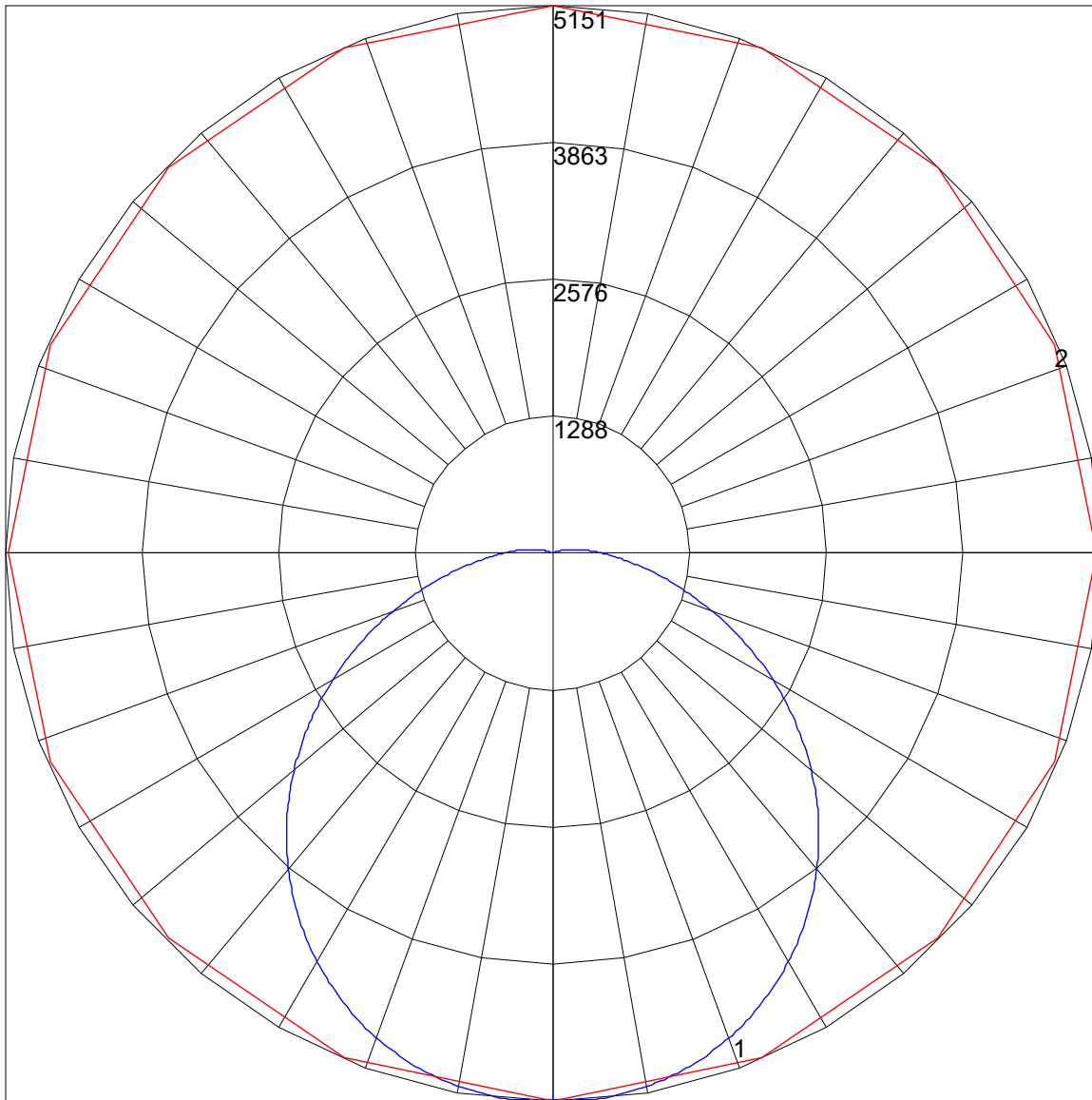
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**UGR TABLE - CORRECTED**

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	21.0	22.6	21.4	23.0	23.3	22.7	24.3	23.1	24.7	25.0
	3H	22.3	23.8	22.7	24.1	24.5	24.7	26.1	25.1	26.5	26.9
	4H	22.7	24.1	23.1	24.5	24.9	25.5	26.9	26.0	27.3	27.7
	6H	22.9	24.2	23.4	24.6	25.0	26.3	27.6	26.8	28.0	28.5
	8H	23.0	24.2	23.4	24.6	25.1	26.7	27.9	27.2	28.4	28.8
	12H	23.0	24.2	23.5	24.6	25.1	27.1	28.3	27.6	28.7	29.2
4H	2H	21.8	23.2	22.3	23.6	24.0	23.2	24.5	23.6	24.9	25.4
	3H	23.4	24.5	23.8	25.0	25.4	25.4	26.5	25.8	27.0	27.4
	4H	23.9	25.0	24.4	25.4	25.9	26.4	27.4	26.9	27.9	28.4
	6H	24.3	25.2	24.7	25.7	26.2	27.4	28.3	27.8	28.8	29.3
	8H	24.3	25.2	24.8	25.7	26.2	27.8	28.7	28.3	29.2	29.7
	12H	24.4	25.2	24.9	25.7	26.2	28.3	29.1	28.8	29.6	30.1
8H	4H	24.5	25.3	25.0	25.8	26.3	26.6	27.5	27.1	28.0	28.5
	6H	25.0	25.7	25.5	26.2	26.8	27.8	28.5	28.3	29.0	29.5
	8H	25.2	25.8	25.7	26.4	26.9	28.4	29.0	28.9	29.5	30.1
	12H	25.3	25.9	25.8	26.4	27.0	29.0	29.6	29.5	30.1	30.7
12H	4H	24.6	25.4	25.1	25.9	26.4	26.6	27.4	27.1	27.9	28.4
	6H	25.2	25.9	25.8	26.4	26.9	27.8	28.5	28.4	29.0	29.6
	8H	25.4	26.0	26.0	26.6	27.2	28.5	29.0	29.0	29.6	30.2

Maximum UGR = 30.7

POLAR GRAPH



Maximum Candela = 5151.131 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.)