



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 MD 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 MD 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 1280mA

[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	8256
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	58.2
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	8763	8413	8363
55	7663	7648	7681
65	6193	6705	6781
75	4547	5758	5741
85	2745	5421	5035

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1026.4	N.A.	12.40
0-30	2182.75	N.A.	26.40
0-40	3574.03	N.A.	43.30
0-60	6265.04	N.A.	75.90
0-80	7809.74	N.A.	94.60
0-90	8108.26	N.A.	98.20
10-90	7843.22	N.A.	95.00
20-40	2547.63	N.A.	30.90
20-50	3975.19	N.A.	48.20
40-70	3642.2	N.A.	44.10
60-80	1544.7	N.A.	18.70
70-80	593.51	N.A.	7.20
80-90	298.52	N.A.	3.60
90-110	147.16	N.A.	1.80
90-120	147.46	N.A.	1.80
90-130	147.46	N.A.	1.80
90-150	147.46	N.A.	1.80
90-180	147.46	N.A.	1.80
110-180	0.30	N.A.	0.00
0-180	8255.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	265.04
10-20	761.36
20-30	1156.35
30-40	1391.28
40-50	1427.56
50-60	1263.45
60-70	951.19
70-80	593.51
80-90	298.52
90-100	119.67
100-110	27.49
110-120	0.30
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

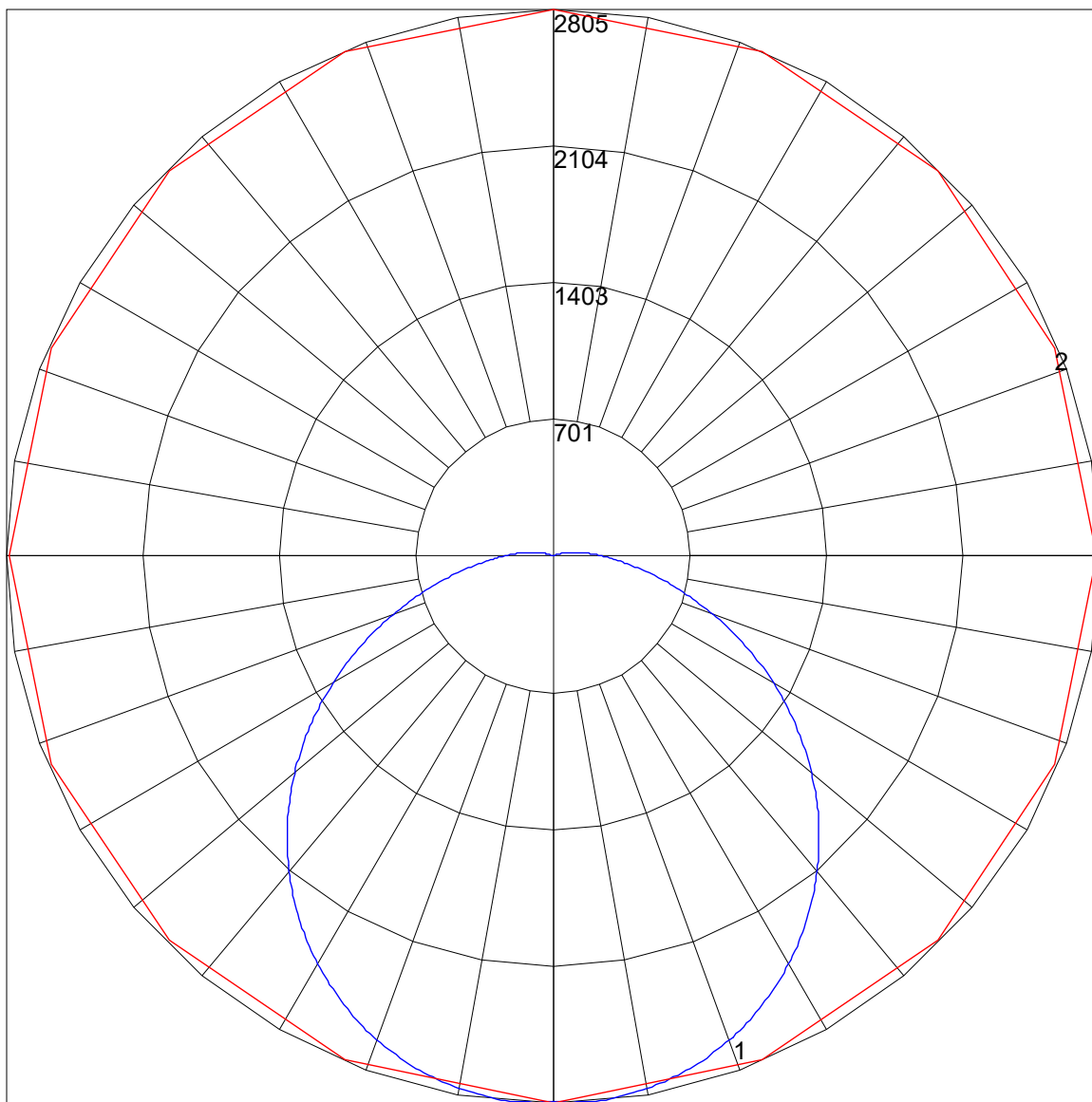
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UGR TABLE - CORRECTED

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	17.9	19.5	18.3	19.9	20.2	19.6	21.2	20.0	21.6	21.9
	3H	19.2	20.7	19.6	21.0	21.4	21.6	23.1	22.0	23.4	23.8
	4H	19.6	21.0	20.0	21.4	21.8	22.4	23.8	22.9	24.2	24.6
	6H	19.8	21.1	20.3	21.5	21.9	23.2	24.5	23.7	24.9	25.4
	8H	19.9	21.1	20.3	21.5	22.0	23.6	24.9	24.1	25.3	25.7
	12H	19.9	21.1	20.4	21.5	22.0	24.0	25.2	24.5	25.6	26.1
4H	2H	18.7	20.1	19.2	20.5	20.9	20.1	21.5	20.5	21.8	22.3
	3H	20.3	21.5	20.7	21.9	22.3	22.3	23.5	22.7	23.9	24.3
	4H	20.8	21.9	21.3	22.3	22.8	23.3	24.4	23.8	24.8	25.3
	6H	21.2	22.1	21.6	22.6	23.1	24.3	25.2	24.8	25.7	26.2
	8H	21.2	22.1	21.7	22.6	23.1	24.7	25.6	25.2	26.1	26.6
	12H	21.3	22.1	21.8	22.6	23.1	25.3	26.0	25.8	26.6	27.1
8H	4H	21.4	22.2	21.9	22.7	23.2	23.5	24.4	24.0	24.9	25.4
	6H	21.9	22.6	22.4	23.1	23.7	24.7	25.4	25.2	25.9	26.5
	8H	22.1	22.7	22.6	23.3	23.8	25.3	25.9	25.8	26.5	27.0
	12H	22.2	22.8	22.7	23.3	23.9	25.9	26.5	26.5	27.0	27.6
12H	4H	21.5	22.3	22.0	22.8	23.3	23.5	24.3	24.1	24.9	25.4
	6H	22.1	22.8	22.7	23.3	23.9	24.8	25.4	25.3	25.9	26.5
	8H	22.4	22.9	22.9	23.5	24.1	25.4	26.0	25.9	26.5	27.1

Maximum UGR = 27.6

POLAR GRAPH



Maximum Candela = 2805.447 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.)