



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 VH UV FR 930.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-006(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 5/20/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL N G2 4 VH UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMP] 128 white LEDs on two LS3873A LED boards

[BALLAST] One ULT D15CC55UNVPW-C LED driver labeled as 1100mA

[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	8075
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	56.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.84 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	31302	27946	27222
55	27176	24656	24109
65	21769	20667	20229
75	15796	16485	15850
85	9092	13299	12016

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	989.97	N.A.	12.30
0-30	2105.04	N.A.	26.10
0-40	3446.47	N.A.	42.70
0-60	6040.48	N.A.	74.80
0-80	7525.79	N.A.	93.20
0-90	7815.3	N.A.	96.80
10-90	7559.58	N.A.	93.60
20-40	2456.5	N.A.	30.40
20-50	3833.21	N.A.	47.50
40-70	3508.9	N.A.	43.50
60-80	1485.31	N.A.	18.40
70-80	570.43	N.A.	7.10
80-90	289.51	N.A.	3.60
90-110	194.49	N.A.	2.40
90-120	227.03	N.A.	2.80
90-130	244.24	N.A.	3.00
90-150	257.15	N.A.	3.20
90-180	259.41	N.A.	3.20
110-180	64.92	N.A.	0.80
0-180	8074.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	255.72
10-20	734.25
20-30	1115.07
30-40	1341.43
40-50	1376.71
50-60	1217.3
60-70	914.89
70-80	570.43
80-90	289.51
90-100	131.27
100-110	63.22
110-120	32.54
120-130	17.21
130-140	8.81
140-150	4.10
150-160	1.76
160-170	0.51
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	80
2	97	89	82	76	94	87	80	75	83	77	73	79	74	70	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

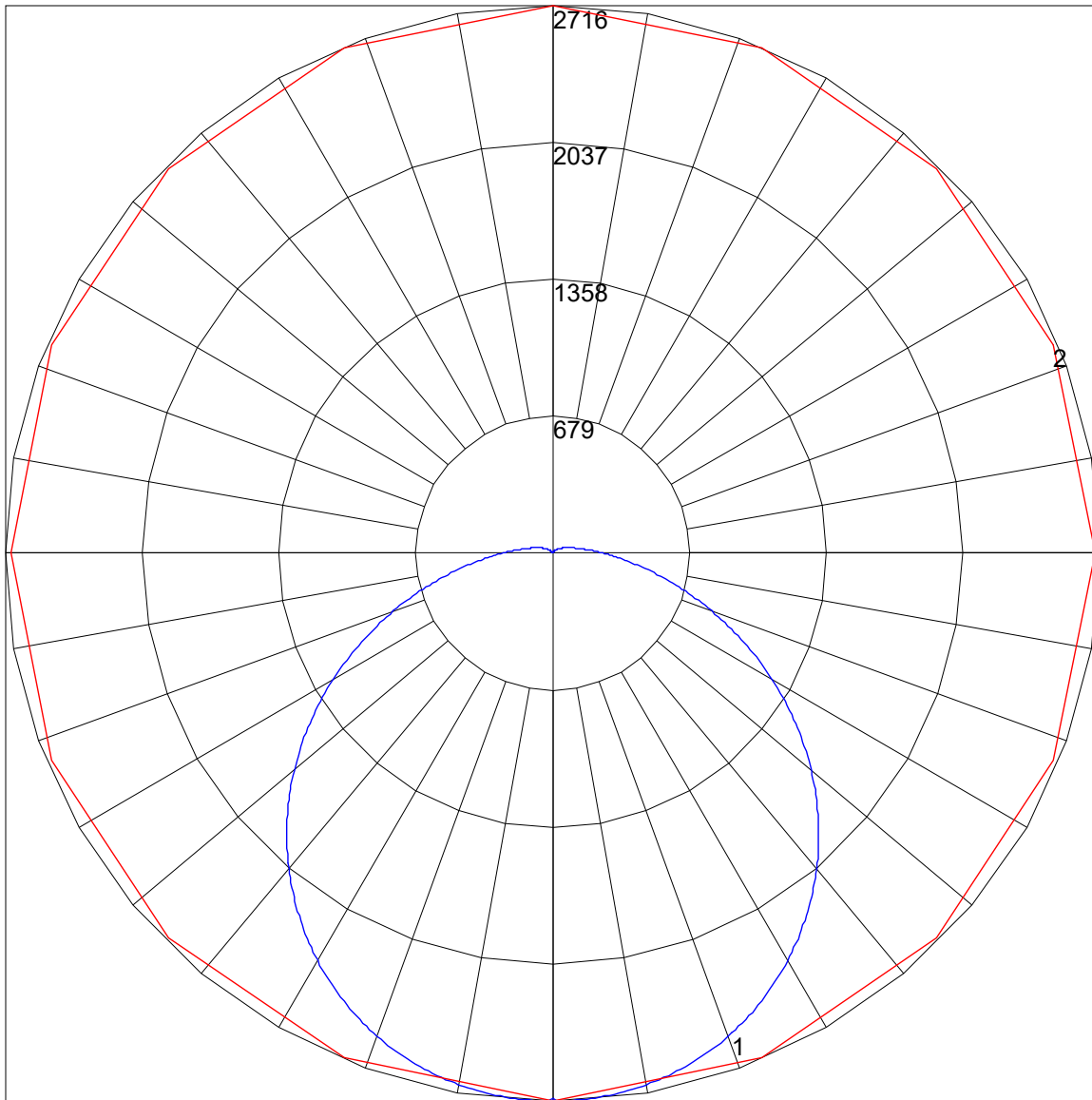
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UGR TABLE - CORRECTED

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	21.8	23.4	22.2	23.8	24.2	23.8	25.4	24.2	25.8	26.2
	3H	23.0	24.5	23.5	24.8	25.3	25.8	27.2	26.2	27.6	28.1
	4H	23.4	24.7	23.8	25.1	25.6	26.7	28.0	27.1	28.4	28.9
	6H	23.6	24.8	24.0	25.3	25.7	27.4	28.7	27.9	29.1	29.6
	8H	23.6	24.8	24.1	25.3	25.7	27.8	29.0	28.3	29.5	29.9
	12H	23.6	24.8	24.1	25.2	25.7	28.2	29.4	28.7	29.8	30.3
4H	2H	22.7	24.0	23.1	24.4	24.9	24.3	25.6	24.7	26.0	26.5
	3H	24.1	25.2	24.5	25.7	26.2	26.4	27.6	26.9	28.0	28.5
	4H	24.6	25.6	25.0	26.1	26.6	27.4	28.5	27.9	28.9	29.4
	6H	24.9	25.8	25.4	26.3	26.8	28.4	29.3	28.9	29.8	30.3
	8H	24.9	25.8	25.4	26.3	26.8	28.8	29.7	29.3	30.2	30.7
	12H	25.0	25.7	25.5	26.3	26.8	29.3	30.1	29.8	30.6	31.2
8H	4H	25.1	26.0	25.6	26.5	27.0	27.6	28.5	28.1	29.0	29.5
	6H	25.6	26.3	26.1	26.8	27.4	28.7	29.4	29.2	30.0	30.5
	8H	25.7	26.4	26.2	26.9	27.5	29.3	29.9	29.8	30.5	31.0
	12H	25.8	26.4	26.3	26.9	27.5	29.9	30.5	30.4	31.0	31.6
12H	4H	25.2	26.0	25.7	26.5	27.1	27.6	28.4	28.1	28.9	29.5
	6H	25.8	26.4	26.3	26.9	27.5	28.7	29.4	29.3	29.9	30.5
	8H	26.0	26.6	26.5	27.1	27.7	29.4	29.9	29.9	30.5	31.1

Maximum UGR = 31.6

POLAR GRAPH



Maximum Candela = 2715.718 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)