



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SH UV FR 935.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-003(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 5/20/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL N G2 2 SH UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMP] 64 white LEDs on one LS3872A LED board

[BALLAST] One ULT D15CC55UNVPW-C LED driver labeled as 710mA

[OTHER] 120.0Vac, 60.00Hz, 0.3163A, 37.51W, 0.988PF, 5.9%THD(i)

[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	5060
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	37.5
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)	1.99 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	36523	33373	32941
55	31279	29232	29183
65	24795	24418	24751
75	17799	19578	19789
85	9834	15878	15595

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	618.64	N.A.	12.20
0-30	1316.18	N.A.	26.00
0-40	2154.09	N.A.	42.60
0-60	3764.89	N.A.	74.40
0-80	4693.95	N.A.	92.80
0-90	4881.35	N.A.	96.50
10-90	4721.64	N.A.	93.30
20-40	1535.45	N.A.	30.30
20-50	2391.72	N.A.	47.30
40-70	2179.76	N.A.	43.10
60-80	929.06	N.A.	18.40
70-80	360.10	N.A.	7.10
80-90	187.40	N.A.	3.70
90-110	129.60	N.A.	2.60
90-120	151.99	N.A.	3.00
90-130	164.29	N.A.	3.20
90-150	175.31	N.A.	3.50
90-180	178.40	N.A.	3.50
110-180	48.79	N.A.	1.00
0-180	5059.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.70
10-20	458.93
20-30	697.54
30-40	837.91
40-50	856.27
50-60	754.54
60-70	568.96
70-80	360.10
80-90	187.40
90-100	87.07
100-110	42.53
110-120	22.39
120-130	12.30
130-140	7.02
140-150	4.00
150-160	2.21
160-170	0.80
170-180	0.09

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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	96
1	107	102	98	93	104	99	95	92	95	91	88	90	87	85	86	84	82	79
2	97	89	82	76	94	87	80	75	82	77	72	79	74	70	75	71	68	66
3	89	78	70	63	86	76	68	62	73	66	61	69	64	59	66	62	58	55
4	81	69	60	53	79	67	59	53	64	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	45	58	50	45	55	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	38	48	42	38	36
7	64	50	42	35	62	49	41	35	47	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	43	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	23

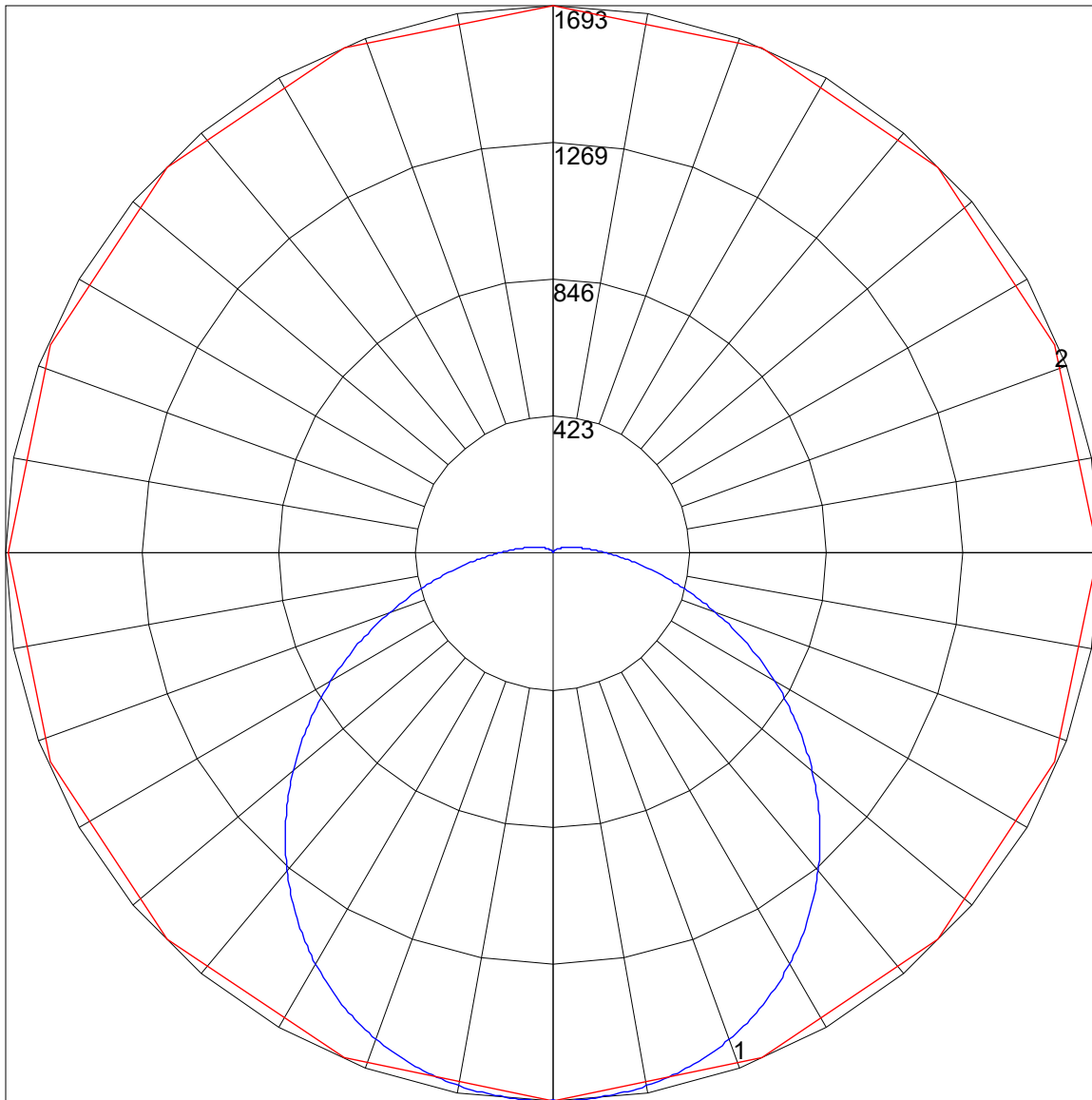
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UGR TABLE - CORRECTED

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	22.2	23.7	22.6	24.1	24.6	24.3	25.9	24.7	26.3	26.7
	3H	23.4	24.8	23.8	25.2	25.7	26.3	27.7	26.8	28.1	28.6
	4H	23.7	25.1	24.2	25.5	26.0	27.2	28.5	27.6	28.9	29.4
	6H	23.9	25.2	24.4	25.6	26.1	28.0	29.2	28.5	29.7	30.2
	8H	24.0	25.2	24.5	25.6	26.1	28.4	29.6	28.9	30.0	30.5
	12H	24.0	25.1	24.5	25.6	26.1	28.8	29.9	29.3	30.4	30.9
4H	2H	23.0	24.4	23.5	24.8	25.3	24.7	26.1	25.2	26.5	27.0
	3H	24.5	25.6	25.0	26.1	26.6	26.9	28.1	27.4	28.5	29.0
	4H	25.0	26.0	25.5	26.5	27.0	28.0	29.0	28.5	29.5	30.0
	6H	25.3	26.2	25.8	26.7	27.2	28.9	29.8	29.5	30.3	30.9
	8H	25.3	26.2	25.9	26.7	27.2	29.4	30.2	29.9	30.8	31.3
	12H	25.4	26.1	25.9	26.7	27.2	29.9	30.7	30.4	31.2	31.8
8H	4H	25.5	26.4	26.0	26.9	27.4	28.1	29.0	28.7	29.5	30.1
	6H	26.0	26.7	26.5	27.3	27.8	29.3	30.0	29.8	30.5	31.1
	8H	26.1	26.8	26.7	27.3	27.9	29.8	30.5	30.4	31.1	31.6
	12H	26.2	26.8	26.8	27.3	28.0	30.5	31.1	31.1	31.6	32.3
12H	4H	25.6	26.4	26.2	26.9	27.5	28.1	28.9	28.7	29.4	30.0
	6H	26.2	26.8	26.8	27.4	28.0	29.3	29.9	29.9	30.5	31.1
	8H	26.4	27.0	27.0	27.5	28.2	30.0	30.5	30.5	31.1	31.7

Maximum UGR = 32.3

POLAR GRAPH



Maximum Candela = 1692.594 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.)