



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SH UV FR 950.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-003

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 5/20/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL N G2 2 SH UV FR 950

[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	5181
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	37.507
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	37395	34170	33728
55	32025	29930	29880
65	25387	25001	25342
75	18224	20046	20261
85	10069	16257	15967

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	633.40	N.A.	12.20
0-30	1347.6	N.A.	26.00
0-40	2205.51	N.A.	42.60
0-60	3854.77	N.A.	74.40
0-80	4806.00	N.A.	92.80
0-90	4997.88	N.A.	96.50
10-90	4834.36	N.A.	93.30
20-40	1572.1	N.A.	30.30
20-50	2448.81	N.A.	47.30
40-70	2231.8	N.A.	43.10
60-80	951.24	N.A.	18.40
70-80	368.70	N.A.	7.10
80-90	191.87	N.A.	3.70
90-110	132.70	N.A.	2.60
90-120	155.62	N.A.	3.00
90-130	168.21	N.A.	3.20
90-150	179.49	N.A.	3.50
90-180	182.65	N.A.	3.50
110-180	49.96	N.A.	1.00
0-180	5180.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.52
10-20	469.89
20-30	714.20
30-40	857.91
40-50	876.71
50-60	772.55
60-70	582.54
70-80	368.70
80-90	191.87
90-100	89.15
100-110	43.54
110-120	22.92
120-130	12.59
130-140	7.19
140-150	4.09
150-160	2.26
160-170	0.82
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	40	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

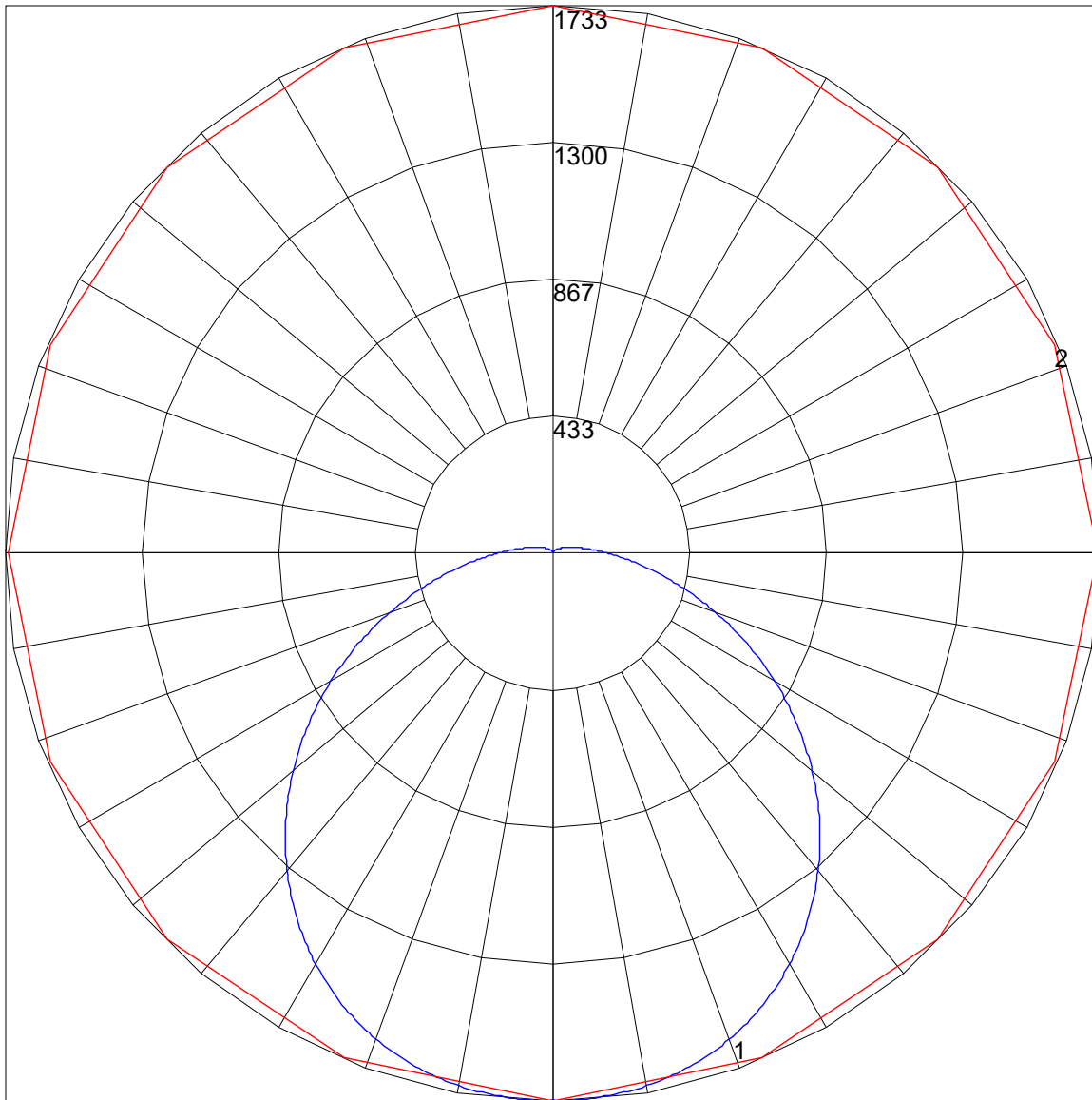
Reflectances

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	22.3	23.8	22.7	24.2	24.7	24.4	26.0	24.8	26.4	26.8
	3H	23.5	24.9	23.9	25.3	25.8	26.4	27.8	26.9	28.2	28.7
	4H	23.8	25.2	24.3	25.6	26.1	27.3	28.6	27.7	29.0	29.5
	6H	24.0	25.3	24.5	25.7	26.2	28.1	29.3	28.6	29.8	30.3
	8H	24.1	25.3	24.6	25.7	26.2	28.5	29.7	29.0	30.1	30.6
	12H	24.1	25.2	24.6	25.7	26.2	28.9	30.0	29.4	30.5	31.0
4H	2H	23.1	24.5	23.6	24.9	25.4	24.8	26.2	25.3	26.6	27.1
	3H	24.6	25.7	25.1	26.2	26.7	27.0	28.2	27.5	28.6	29.1
	4H	25.1	26.1	25.6	26.6	27.1	28.1	29.1	28.6	29.6	30.1
	6H	25.4	26.3	25.9	26.8	27.3	29.0	29.9	29.6	30.4	31.0
	8H	25.4	26.3	26.0	26.8	27.3	29.5	30.3	30.0	30.9	31.4
	12H	25.5	26.2	26.0	26.8	27.3	30.0	30.8	30.5	31.3	31.9
8H	4H	25.6	26.5	26.1	27.0	27.5	28.2	29.1	28.8	29.6	30.2
	6H	26.1	26.8	26.6	27.4	27.9	29.4	30.1	29.9	30.6	31.2
	8H	26.2	26.9	26.8	27.4	28.0	29.9	30.6	30.5	31.2	31.7
	12H	26.3	26.9	26.9	27.4	28.1	30.6	31.2	31.2	31.7	32.4
12H	4H	25.7	26.5	26.3	27.0	27.6	28.2	29.0	28.8	29.5	30.1
	6H	26.3	26.9	26.9	27.5	28.1	29.4	30.0	30.0	30.6	31.2
	8H	26.5	27.1	27.1	27.6	28.3	30.1	30.6	30.6	31.2	31.8

Maximum UGR = 32.4

POLAR GRAPH



Maximum Candela = 1733 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.)