



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SH UV FR 930.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 930

[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	5039
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
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	36372	33235	32805
55	31149	29111	29062
65	24692	24317	24649
75	17725	19497	19707
85	9793	15812	15530

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 2 SH UV FR 930.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	616.07	N.A.	12.20
0-30	1310.72	N.A.	26.00
0-40	2145.15	N.A.	42.60
0-60	3749.26	N.A.	74.40
0-80	4674.47	N.A.	92.80
0-90	4861.09	N.A.	96.50
10-90	4702.05	N.A.	93.30
20-40	1529.08	N.A.	30.30
20-50	2381.79	N.A.	47.30
40-70	2170.72	N.A.	43.10
60-80	925.20	N.A.	18.40
70-80	358.61	N.A.	7.10
80-90	186.62	N.A.	3.70
90-110	129.06	N.A.	2.60
90-120	151.36	N.A.	3.00
90-130	163.60	N.A.	3.20
90-150	174.58	N.A.	3.50
90-180	177.66	N.A.	3.50
110-180	48.59	N.A.	1.00
0-180	5038.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.04
10-20	457.03
20-30	694.65
30-40	834.43
40-50	852.71
50-60	751.41
60-70	566.60
70-80	358.61
80-90	186.62
90-100	86.71
100-110	42.35
110-120	22.29
120-130	12.25
130-140	6.99
140-150	3.98
150-160	2.20
160-170	0.79
170-180	0.09

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 2 SH UV FR 930.IES

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 2 SH UV FR 930.IES

UGR TABLE - CORRECTED

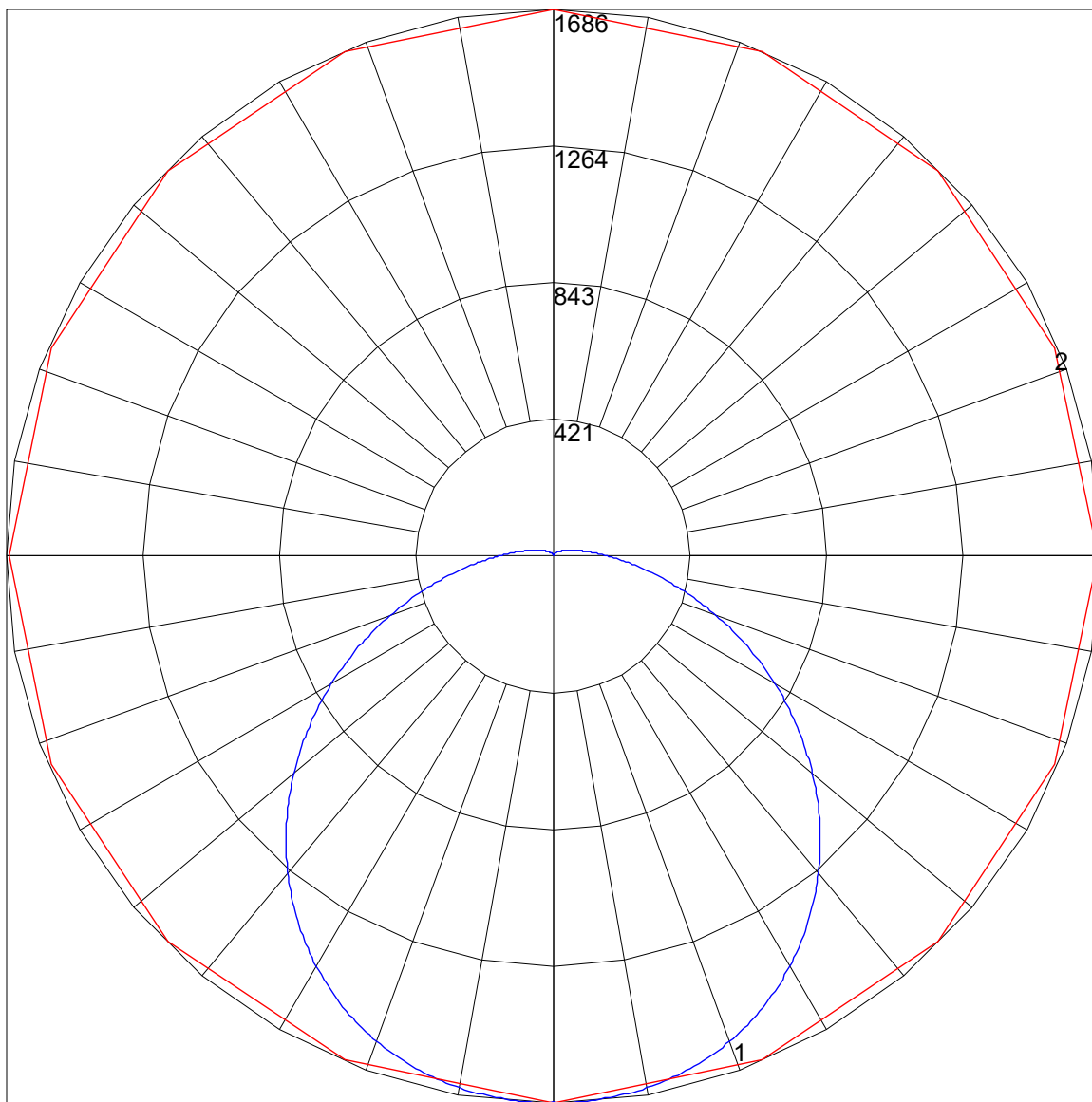
Reflectances

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 = 1685.569 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.)