



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 VH 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 VH 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 LS3873A LED board

[BALLAST] One ULT D10CC30UNVPW-C LED driver labeled as 550mA

[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	4044
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	29.1
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	29189	26672	26327
55	24998	23362	23323
65	19816	19515	19781
75	14225	15647	15815
85	7859	12690	12463

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	494.41	N.A.	12.20
0-30	1051.88	N.A.	26.00
0-40	1721.53	N.A.	42.60
0-60	3008.88	N.A.	74.40
0-80	3751.38	N.A.	92.80
0-90	3901.15	N.A.	96.50
10-90	3773.51	N.A.	93.30
20-40	1227.12	N.A.	30.30
20-50	1911.45	N.A.	47.30
40-70	1742.06	N.A.	43.10
60-80	742.50	N.A.	18.40
70-80	287.79	N.A.	7.10
80-90	149.77	N.A.	3.70
90-110	103.58	N.A.	2.60
90-120	121.47	N.A.	3.00
90-130	131.30	N.A.	3.20
90-150	140.10	N.A.	3.50
90-180	142.57	N.A.	3.50
110-180	38.99	N.A.	1.00
0-180	4043.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	127.63
10-20	366.78
20-30	557.47
30-40	669.65
40-50	684.32
50-60	603.02
60-70	454.71
70-80	287.79
80-90	149.77
90-100	69.59
100-110	33.99
110-120	17.89
120-130	9.83
130-140	5.61
140-150	3.20
150-160	1.76
160-170	0.64
170-180	0.07

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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

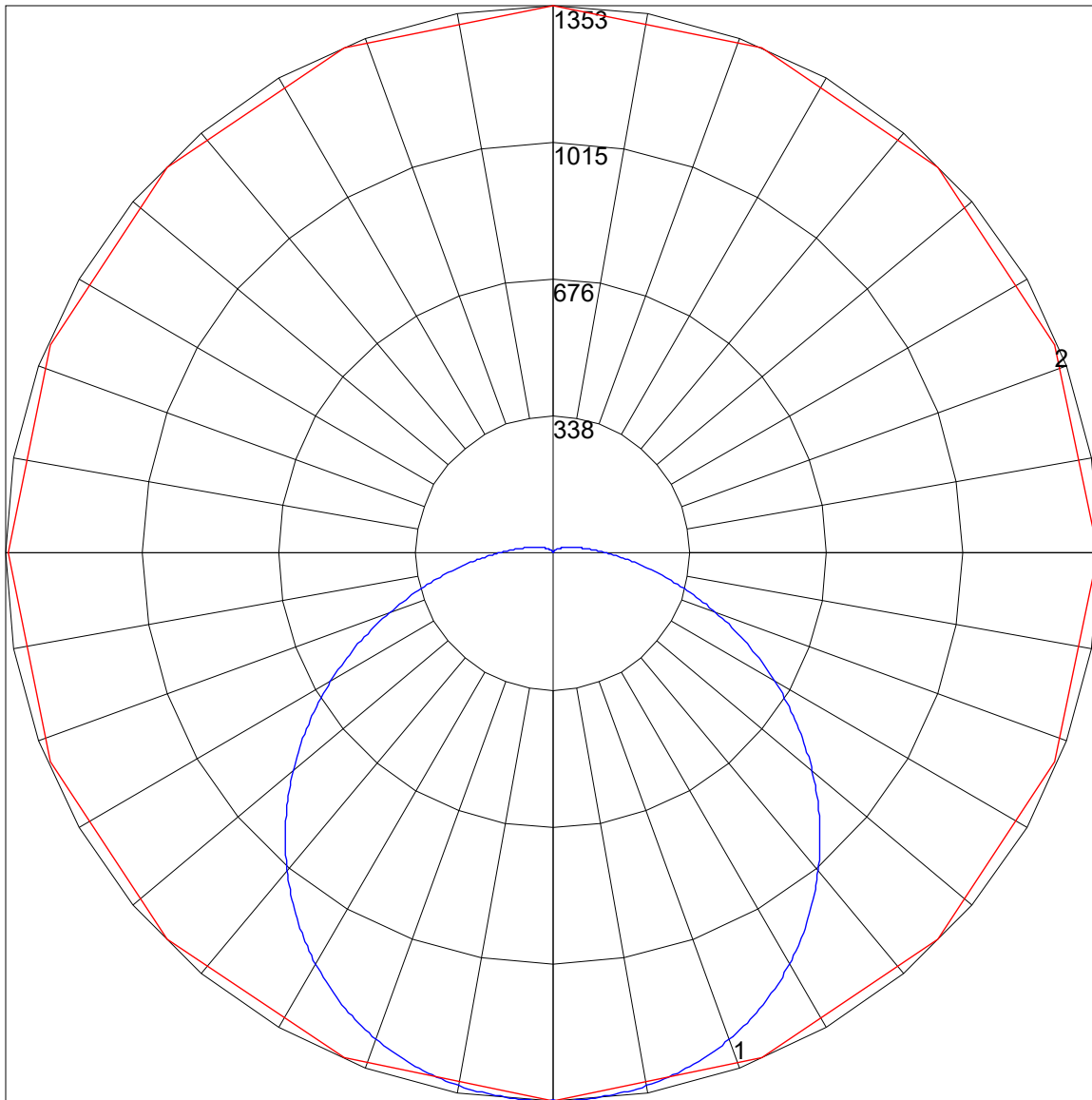
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**UGR TABLE - CORRECTED**

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	21.5	23.0	21.9	23.4	23.9	23.6	25.2	24.0	25.6	26.0
	3H	22.7	24.1	23.1	24.5	25.0	25.6	27.0	26.1	27.4	27.9
	4H	23.0	24.4	23.5	24.8	25.3	26.5	27.8	26.9	28.2	28.7
	6H	23.2	24.5	23.7	24.9	25.4	27.3	28.5	27.8	29.0	29.5
	8H	23.3	24.5	23.8	24.9	25.4	27.7	28.8	28.2	29.3	29.8
	12H	23.3	24.4	23.8	24.9	25.4	28.1	29.2	28.6	29.7	30.2
4H	2H	22.3	23.7	22.8	24.1	24.6	24.0	25.4	24.5	25.8	26.3
	3H	23.8	24.9	24.3	25.4	25.9	26.2	27.4	26.7	27.8	28.3
	4H	24.3	25.3	24.8	25.8	26.3	27.3	28.3	27.7	28.8	29.3
	6H	24.6	25.5	25.1	26.0	26.5	28.2	29.1	28.8	29.6	30.2
	8H	24.6	25.5	25.2	26.0	26.5	28.7	29.5	29.2	30.1	30.6
	12H	24.7	25.4	25.2	26.0	26.5	29.2	30.0	29.7	30.5	31.1
8H	4H	24.8	25.7	25.3	26.2	26.7	27.4	28.3	28.0	28.8	29.4
	6H	25.3	26.0	25.8	26.5	27.1	28.6	29.3	29.1	29.8	30.4
	8H	25.4	26.1	26.0	26.6	27.2	29.1	29.8	29.7	30.4	30.9
	12H	25.5	26.1	26.1	26.6	27.3	29.8	30.4	30.4	30.9	31.6
12H	4H	24.9	25.7	25.5	26.2	26.8	27.4	28.2	28.0	28.7	29.3
	6H	25.5	26.1	26.1	26.7	27.3	28.6	29.2	29.2	29.8	30.4
	8H	25.7	26.3	26.3	26.8	27.5	29.3	29.8	29.8	30.4	31.0

Maximum UGR = 31.6

POLAR GRAPH



Maximum Candela = 1352.712 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.)