IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 2 SEL15 UV FR 940 @200MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLIA001735-003(s)
[TESTLAB] LightLab International Allentown, LLC
[ISSUEDATE] 6/6/2024
[MANUFAC] LumenFocus, LLC
[LUMCAT] ECL N G2 2 SEL15 UV FR 940
[LUMINAIRE] Surface or suspended mounted, formed white painted steel housing/reflector,
[MORE] translucent curved plastic enclosure.
[LAMPCAT] One LS3872A 28 LED board, 4000K
[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set at 200mA
[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	1337
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	9.2
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	9652	8820	8706
55	8266	7725	7712
65	6553	6453	6541
75	4704	5174	5230
85	2599	4196	4121

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	163.49	N.A.	12.20
0-30	347.83	N.A.	26.00
0-40	569.27	N.A.	42.60
0-60	994.97	N.A.	74.40
0-80	1240.5	N.A.	92.80
0-90	1290.02	N.A.	96.50
10-90	1247.81	N.A.	93.30
20-40	405.78	N.A.	30.30
20-50	632.07	N.A.	47.30
40-70	576.06	N.A.	43.10
60-80	245.53	N.A.	18.40
70-80	95.17	N.A.	7.10
80-90	49.52	N.A.	3.70
90-110	34.25	N.A.	2.60
90-120	40.17	N.A.	3.00
90-130	43.42	N.A.	3.20
90-150	46.33	N.A.	3.50
90-180	47.15	N.A.	3.50
110-180	12.89	N.A.	1.00
0-180	1337.17	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	42.21
10-20	121.28
20-30	184.34
30-40	221.44
40-50	226.29
50-60	199.41
60-70	150.36
70-80	95.17
80-90	49.52
90-100	23.01
100-110	11.24
110-120	5.92
120-130	3.25
130-140	1.86
140-150	1.06
150-160	0.58
160-170	0.21
170-180	0.02

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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	100	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	65	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	17.6	19.1	18.0	19.5	20.0	19.7	21.3	20.1	21.7	22.1
	3H	18.8	20.2	19.2	20.6	21.1	21.7	23.1	22.2	23.5	24.0
	4H	19.1	20.5	19.6	20.9	21.4	22.6	23.9	23.0	24.3	24.8
	6H	19.3	20.6	19.8	21.0	21.5	23.4	24.6	23.9	25.1	25.6
	8H	19.4	20.6	19.9	21.0	21.5	23.8	24.9	24.3	25.4	25.9
	12H	19.4	20.5	19.9	21.0	21.5	24.2	25.3	24.7	25.8	26.3
4H	2H	18.4	19.8	18.9	20.2	20.7	20.1	21.5	20.6	21.9	22.4
	3H	19.9	21.0	20.4	21.5	22.0	22.3	23.5	22.8	23.9	24.4
	4H	20.4	21.4	20.9	21.9	22.4	23.4	24.4	23.8	24.9	25.4
	6H	20.7	21.6	21.2	22.1	22.6	24.3	25.2	24.9	25.7	26.3
	8H	20.7	21.6	21.3	22.1	22.6	24.8	25.6	25.3	26.2	26.7
	12H	20.8	21.5	21.3	22.1	22.6	25.3	26.1	25.8	26.6	27.2
8H	4H	20.9	21.8	21.4	22.3	22.8	23.5	24.4	24.1	24.9	25.5
	6H	21.4	22.1	21.9	22.6	23.2	24.7	25.4	25.2	25.9	26.5
	8H	21.5	22.2	22.1	22.7	23.3	25.2	25.9	25.8	26.5	27.0
	12H	21.6	22.2	22.2	22.7	23.4	25.9	26.5	26.5	27.0	27.7
12H	4H	21.0	21.8	21.6	22.3	22.9	23.5	24.3	24.1	24.8	25.4
	6H	21.6	22.2	22.2	22.8	23.4	24.7	25.3	25.3	25.9	26.5
	8H	21.8	22.4	22.4	22.9	23.6	25.4	25.9	25.9	26.5	27.1

Maximum UGR = 27.7

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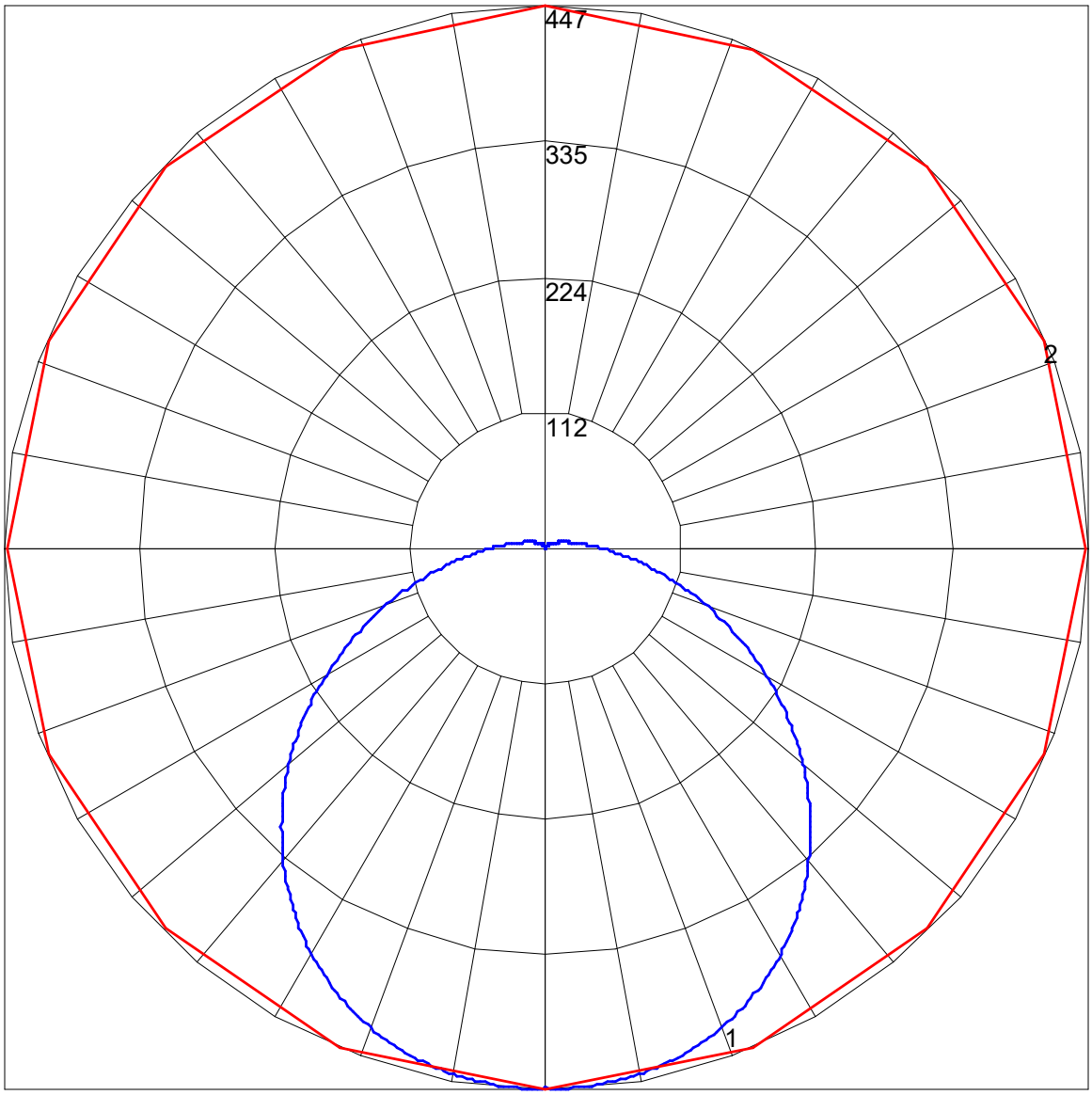
POLAR GRAPH



Maximum Candela = 447.311 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.)