



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL35 UV FR 930 @500MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-003(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/6/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL N G2 2 SEL35 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 64 LED board, 3000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set at 500mA

[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	3685
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	24.8
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	26600	24306	23991
55	22780	21290	21254
65	18058	17784	18027
75	12963	14259	14412
85	7162	11564	11358

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	450.55	N.A.	12.20
0-30	958.58	N.A.	26.00
0-40	1568.83	N.A.	42.60
0-60	2741.98	N.A.	74.40
0-80	3418.62	N.A.	92.80
0-90	3555.1	N.A.	96.50
10-90	3438.79	N.A.	93.30
20-40	1118.27	N.A.	30.30
20-50	1741.9	N.A.	47.30
40-70	1587.53	N.A.	43.10
60-80	676.64	N.A.	18.40
70-80	262.26	N.A.	7.10
80-90	136.48	N.A.	3.70
90-110	94.39	N.A.	2.60
90-120	110.69	N.A.	3.00
90-130	119.65	N.A.	3.20
90-150	127.68	N.A.	3.50
90-180	129.93	N.A.	3.50
110-180	35.54	N.A.	1.00
0-180	3685.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	116.31
10-20	334.24
20-30	508.02
30-40	610.25
40-50	623.62
50-60	549.53
60-70	414.37
70-80	262.26
80-90	136.48
90-100	63.42
100-110	30.97
110-120	16.30
120-130	8.96
130-140	5.11
140-150	2.91
150-160	1.61
160-170	0.58
170-180	0.06

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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

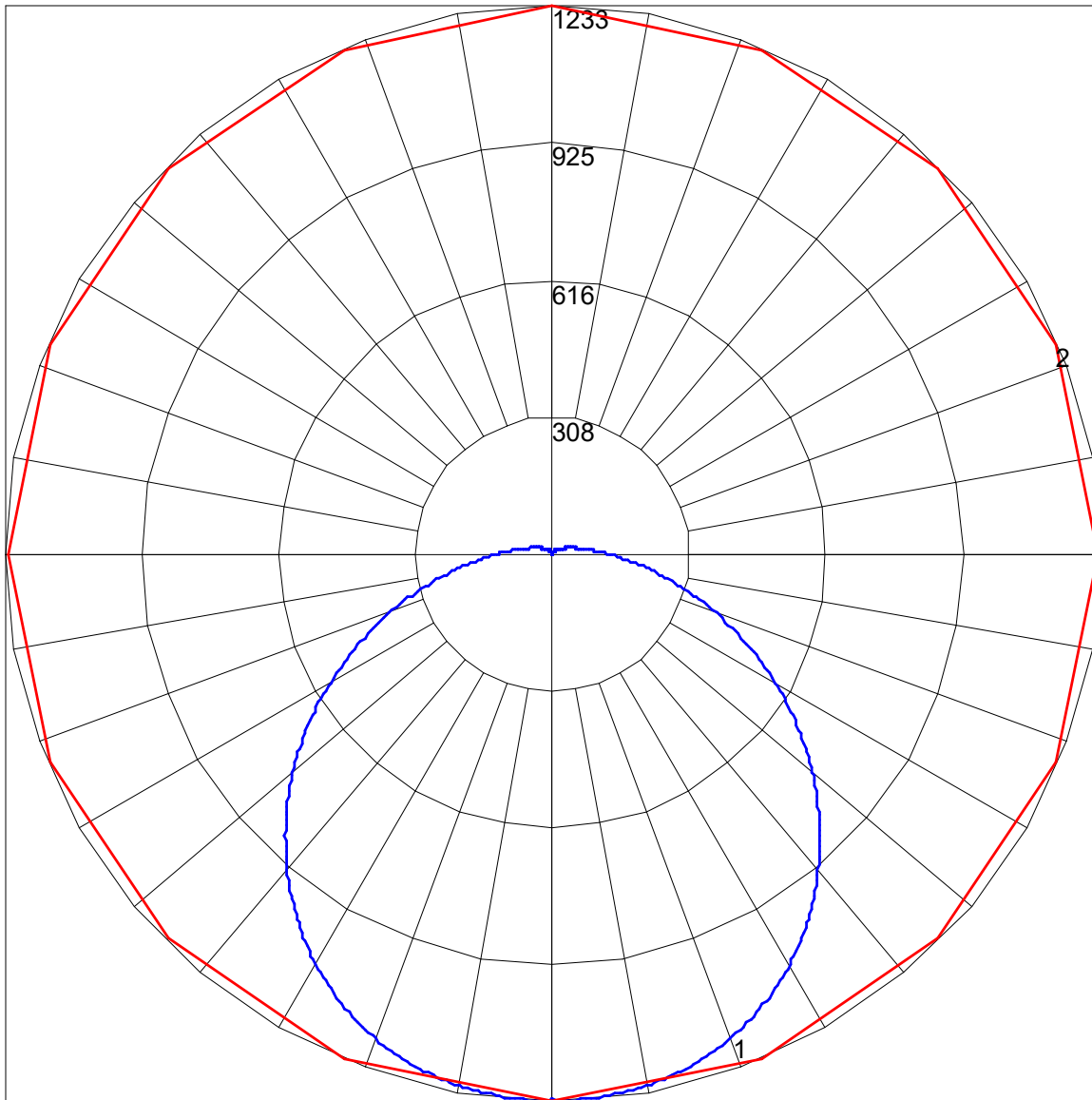
X=2H	Y=2H	21.1	22.6	21.5	23.0	23.5	23.2	24.8	23.6	25.2	25.6
	3H	22.3	23.7	22.7	24.1	24.6	25.2	26.6	25.7	27.0	27.5
	4H	22.6	24.0	23.1	24.4	24.9	26.1	27.4	26.5	27.8	28.3
	6H	22.8	24.1	23.3	24.5	25.0	26.9	28.1	27.4	28.6	29.1
	8H	22.9	24.1	23.4	24.5	25.0	27.3	28.4	27.8	28.9	29.4
	12H	22.9	24.0	23.4	24.5	25.0	27.7	28.8	28.2	29.3	29.8

UGR Viewed Endwise

4H	2H	21.9	23.3	22.4	23.7	24.2	23.6	25.0	24.1	25.4	25.9
	3H	23.4	24.5	23.9	25.0	25.5	25.8	27.0	26.3	27.4	27.9
	4H	23.9	24.9	24.4	25.4	25.9	26.9	27.9	27.3	28.4	28.9
	6H	24.2	25.1	24.7	25.6	26.1	27.8	28.7	28.4	29.2	29.8
	8H	24.2	25.1	24.8	25.6	26.1	28.3	29.1	28.8	29.7	30.2
	12H	24.3	25.0	24.8	25.6	26.1	28.8	29.6	29.3	30.1	30.7
8H	4H	24.4	25.3	24.9	25.8	26.3	27.0	27.9	27.6	28.4	29.0
	6H	24.9	25.6	25.4	26.1	26.7	28.2	28.9	28.7	29.4	30.0
	8H	25.0	25.7	25.6	26.2	26.8	28.7	29.4	29.3	30.0	30.5
	12H	25.1	25.7	25.7	26.2	26.9	29.4	30.0	30.0	30.5	31.2
12H	4H	24.5	25.3	25.1	25.8	26.4	27.0	27.8	27.6	28.3	28.9
	6H	25.1	25.7	25.7	26.3	26.9	28.2	28.8	28.8	29.4	30.0
	8H	25.3	25.9	25.9	26.4	27.1	28.9	29.4	29.4	30.0	30.6

Maximum UGR = 31.2

POLAR GRAPH



Maximum Candela = 1232.722 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.)