



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL25 UV FR 930 @450MA.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 SEL25 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 48 LED board, 3000K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set at 450mA

[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	3268
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	23.3
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	23593	21558	21279
55	20205	18883	18851
65	16017	15773	15988
75	11498	12647	12783
85	6352	10257	10074

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 2 SEL25 UV FR 930 @450MA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	399.61	N.A.	12.20
0-30	850.20	N.A.	26.00
0-40	1391.46	N.A.	42.60
0-60	2431.97	N.A.	74.40
0-80	3032.11	N.A.	92.80
0-90	3153.16	N.A.	96.50
10-90	3050.00	N.A.	93.30
20-40	991.84	N.A.	30.30
20-50	1544.96	N.A.	47.30
40-70	1408.04	N.A.	43.10
60-80	600.14	N.A.	18.40
70-80	232.61	N.A.	7.10
80-90	121.05	N.A.	3.70
90-110	83.72	N.A.	2.60
90-120	98.18	N.A.	3.00
90-130	106.12	N.A.	3.20
90-150	113.24	N.A.	3.50
90-180	115.24	N.A.	3.50
110-180	31.52	N.A.	1.00
0-180	3268.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.16
10-20	296.45
20-30	450.59
30-40	541.25
40-50	553.11
50-60	487.40
60-70	367.52
70-80	232.61
80-90	121.05
90-100	56.25
100-110	27.47
110-120	14.46
120-130	7.94
130-140	4.54
140-150	2.58
150-160	1.43
160-170	0.51
170-180	0.06

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL25 UV FR 930 @450MA.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	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

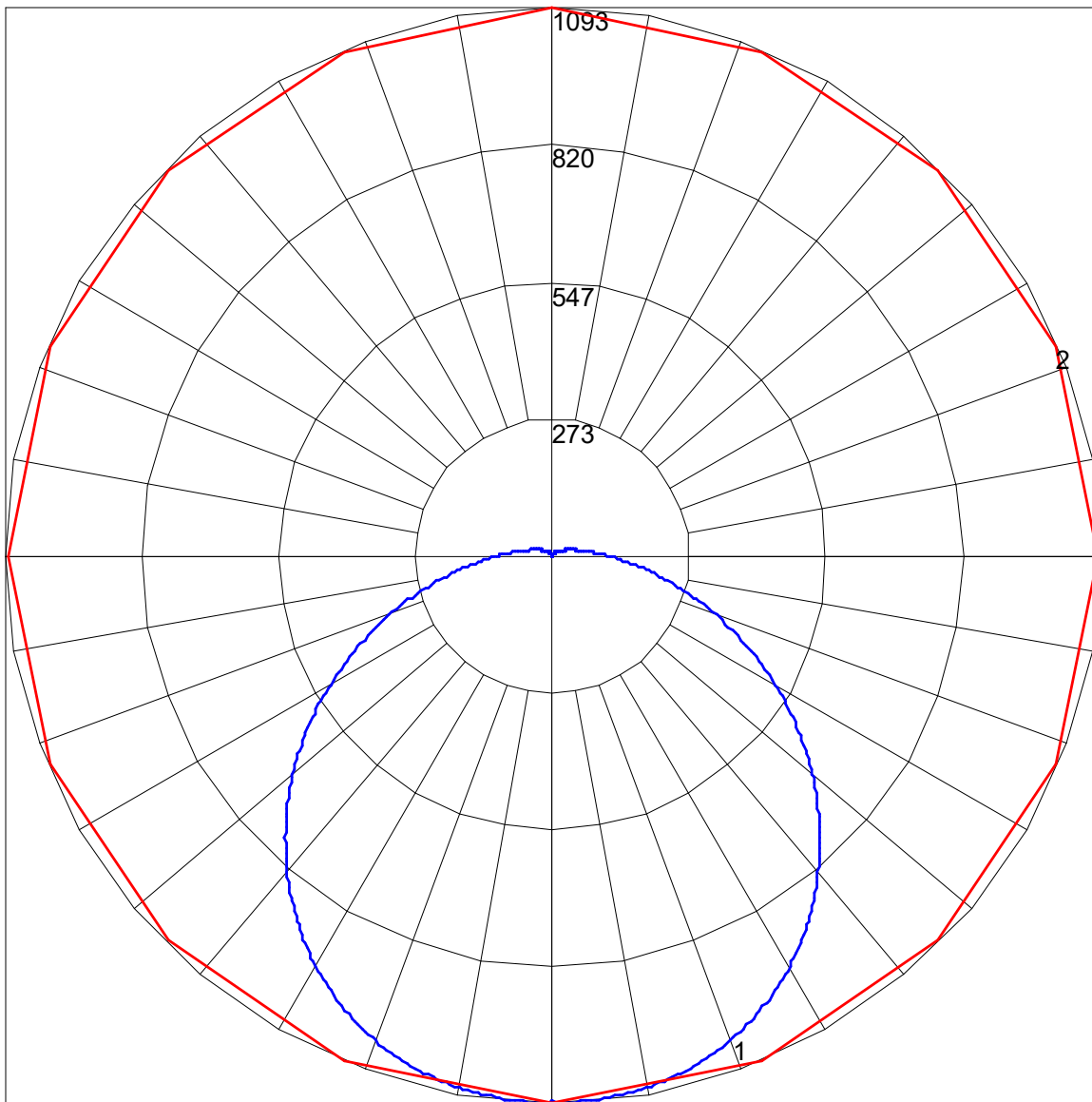
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 2 SEL25 UV FR 930 @450MA.IES

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	20.7	22.2	21.1	22.6	23.1	22.8	24.4	23.2	24.8	25.2
	3H	21.9	23.3	22.3	23.7	24.2	24.8	26.2	25.2	26.6	27.1
	4H	22.2	23.6	22.7	24.0	24.5	25.7	27.0	26.1	27.4	27.9
	6H	22.4	23.7	22.9	24.1	24.6	26.5	27.7	27.0	28.2	28.7
	8H	22.5	23.7	23.0	24.1	24.6	26.9	28.0	27.4	28.5	29.0
	12H	22.5	23.6	23.0	24.1	24.6	27.3	28.4	27.8	28.9	29.4
4H	2H	21.5	22.9	22.0	23.3	23.8	23.2	24.6	23.7	25.0	25.5
	3H	23.0	24.1	23.5	24.6	25.1	25.4	26.6	25.9	27.0	27.5
	4H	23.5	24.5	24.0	25.0	25.5	26.5	27.5	26.9	28.0	28.5
	6H	23.8	24.7	24.3	25.2	25.7	27.4	28.3	28.0	28.8	29.4
	8H	23.8	24.7	24.4	25.2	25.7	27.9	28.7	28.4	29.3	29.8
	12H	23.9	24.6	24.4	25.2	25.7	28.4	29.2	28.9	29.7	30.3
8H	4H	24.0	24.9	24.5	25.4	25.9	26.6	27.5	27.2	28.0	28.5
	6H	24.5	25.2	25.0	25.7	26.3	27.8	28.5	28.3	29.0	29.6
	8H	24.6	25.3	25.2	25.8	26.4	28.3	29.0	28.9	29.6	30.1
	12H	24.7	25.3	25.3	25.8	26.5	29.0	29.6	29.6	30.1	30.8
12H	4H	24.1	24.9	24.7	25.4	26.0	26.6	27.4	27.2	27.9	28.5
	6H	24.7	25.3	25.3	25.9	26.5	27.8	28.4	28.4	29.0	29.6
	8H	24.9	25.5	25.5	26.0	26.7	28.5	29.0	29.0	29.6	30.2

Maximum UGR = 30.8

POLAR GRAPH



Maximum Candela = 1093.35 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.)