



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL45 UV FR 930 @750MA.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 SEL45 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 84 LED board, 3000K

[BALLAST] One KTLD-45-UV-PS850-54-VDIM-LM1 LED driver set at 750mA

[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	4835
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	32.9
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	34900	31890	31478
55	29889	27933	27886
65	23693	23333	23652
75	17008	18708	18909
85	9397	15173	14902

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	591.15	N.A.	12.20
0-30	1257.7	N.A.	26.00
0-40	2058.37	N.A.	42.60
0-60	3597.59	N.A.	74.40
0-80	4485.37	N.A.	92.80
0-90	4664.44	N.A.	96.50
10-90	4511.83	N.A.	93.30
20-40	1467.22	N.A.	30.30
20-50	2285.44	N.A.	47.30
40-70	2082.9	N.A.	43.10
60-80	887.77	N.A.	18.40
70-80	344.10	N.A.	7.10
80-90	179.07	N.A.	3.70
90-110	123.84	N.A.	2.60
90-120	145.23	N.A.	3.00
90-130	156.99	N.A.	3.20
90-150	167.52	N.A.	3.50
90-180	170.47	N.A.	3.50
110-180	46.62	N.A.	1.00
0-180	4834.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	152.61
10-20	438.54
20-30	666.55
30-40	800.67
40-50	818.22
50-60	721.01
60-70	543.68
70-80	344.10
80-90	179.07
90-100	83.20
100-110	40.64
110-120	21.39
120-130	11.75
130-140	6.71
140-150	3.82
150-160	2.11
160-170	0.76
170-180	0.08

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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

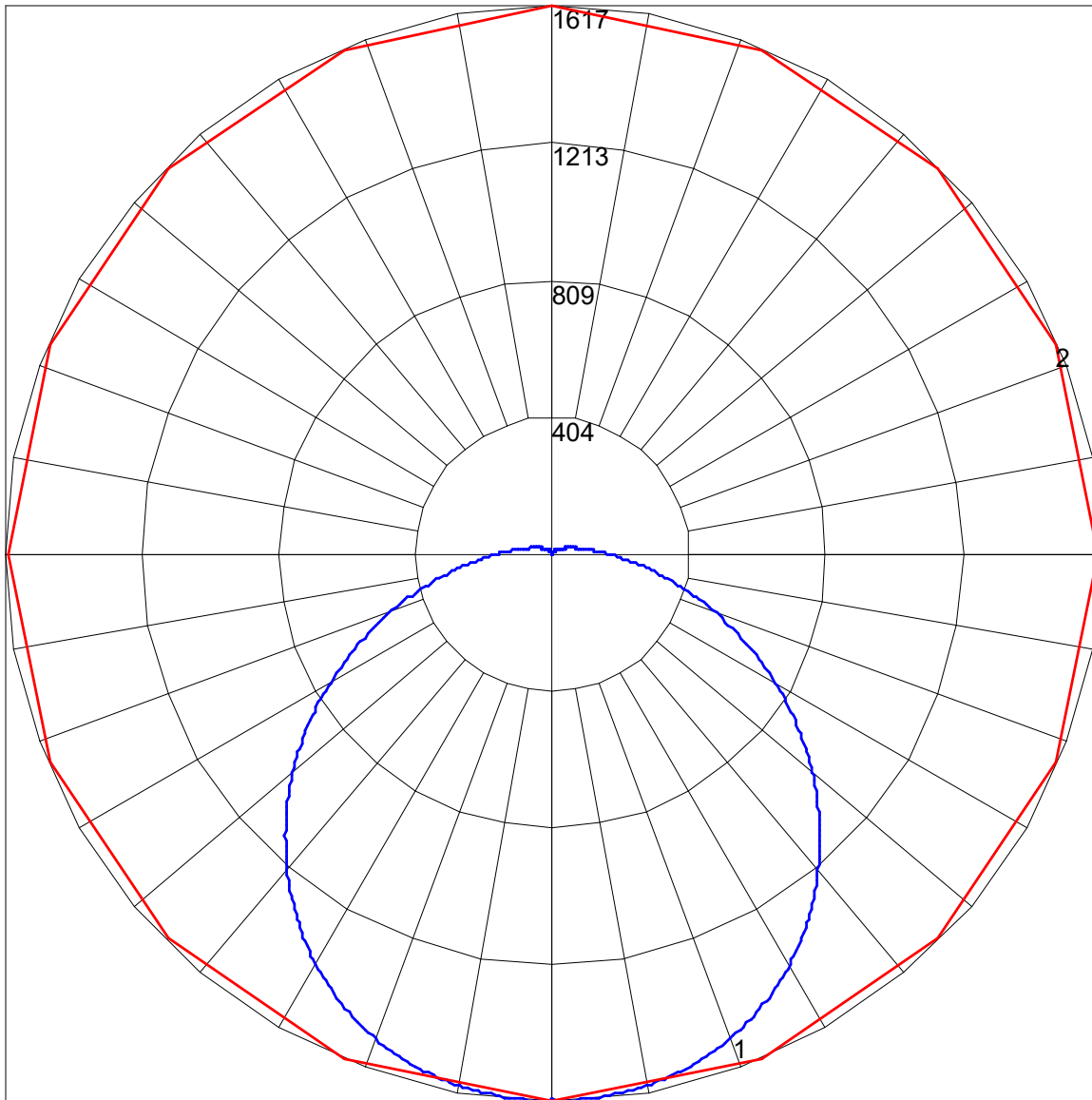
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UGR TABLE - CORRECTED

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					UGR Viewed Endwise				
X=2H	Y=2H	22.1	23.6	22.5	24.0	24.5	24.2	25.8	24.6	26.2	26.6
	3H	23.3	24.7	23.7	25.1	25.6	26.2	27.6	26.7	28.0	28.5
	4H	23.6	25.0	24.1	25.4	25.9	27.1	28.4	27.5	28.8	29.3
	6H	23.8	25.1	24.3	25.5	26.0	27.9	29.1	28.4	29.6	30.1
	8H	23.9	25.1	24.4	25.5	26.0	28.3	29.5	28.8	29.9	30.4
	12H	23.9	25.0	24.4	25.5	26.0	28.7	29.8	29.2	30.3	30.8
4H	2H	22.9	24.3	23.4	24.7	25.2	24.6	26.0	25.1	26.4	26.9
	3H	24.4	25.5	24.9	26.0	26.5	26.8	28.0	27.3	28.4	28.9
	4H	24.9	25.9	25.4	26.4	26.9	27.9	28.9	28.4	29.4	29.9
	6H	25.2	26.1	25.7	26.6	27.1	28.8	29.7	29.4	30.2	30.8
	8H	25.2	26.1	25.8	26.6	27.1	29.3	30.1	29.8	30.7	31.2
	12H	25.3	26.0	25.8	26.6	27.1	29.8	30.6	30.3	31.1	31.7
8H	4H	25.4	26.3	25.9	26.8	27.3	28.0	28.9	28.6	29.4	30.0
	6H	25.9	26.6	26.4	27.1	27.7	29.2	29.9	29.7	30.4	31.0
	8H	26.0	26.7	26.6	27.2	27.8	29.7	30.4	30.3	31.0	31.5
	12H	26.1	26.7	26.7	27.2	27.9	30.4	31.0	31.0	31.5	32.2
12H	4H	25.5	26.3	26.1	26.8	27.4	28.0	28.8	28.6	29.3	29.9
	6H	26.1	26.7	26.7	27.3	27.9	29.2	29.8	29.8	30.4	31.0
	8H	26.3	26.9	26.9	27.4	28.1	29.9	30.4	30.4	31.0	31.6

Maximum UGR = 32.2

POLAR GRAPH



Maximum Candela = 1617.382 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.)