



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL75 UV FR 940 @1200MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-006(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/6/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL N G2 6 SEL75 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 48 LED boards, 4000K

[BALLAST] One KTLD-75-UV-PS1400-54-VDIM-LM2 LED driver set at 1200mA

[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	9077
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	59.6
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)	5.84 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	23274	20731	20129
55	20254	18310	17827
65	16286	15370	14958
75	11915	12288	11720
85	7107	9960	8885

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1112.87	N.A.	12.30
0-30	2366.38	N.A.	26.10
0-40	3874.36	N.A.	42.70
0-60	6790.42	N.A.	74.80
0-80	8460.14	N.A.	93.20
0-90	8785.6	N.A.	96.80
10-90	8498.13	N.A.	93.60
20-40	2761.48	N.A.	30.40
20-50	4309.11	N.A.	47.50
40-70	3944.54	N.A.	43.50
60-80	1669.72	N.A.	18.40
70-80	641.25	N.A.	7.10
80-90	325.45	N.A.	3.60
90-110	218.63	N.A.	2.40
90-120	255.21	N.A.	2.80
90-130	274.56	N.A.	3.00
90-150	289.07	N.A.	3.20
90-180	291.62	N.A.	3.20
110-180	72.99	N.A.	0.80
0-180	9077.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	287.47
10-20	825.41
20-30	1253.51
30-40	1507.97
40-50	1547.63
50-60	1368.43
60-70	1028.47
70-80	641.25
80-90	325.45
90-100	147.56
100-110	71.07
110-120	36.58
120-130	19.35
130-140	9.90
140-150	4.61
150-160	1.98
160-170	0.57
170-180	0.00

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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	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	80
2	97	89	82	76	94	87	80	75	83	77	73	79	74	70	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

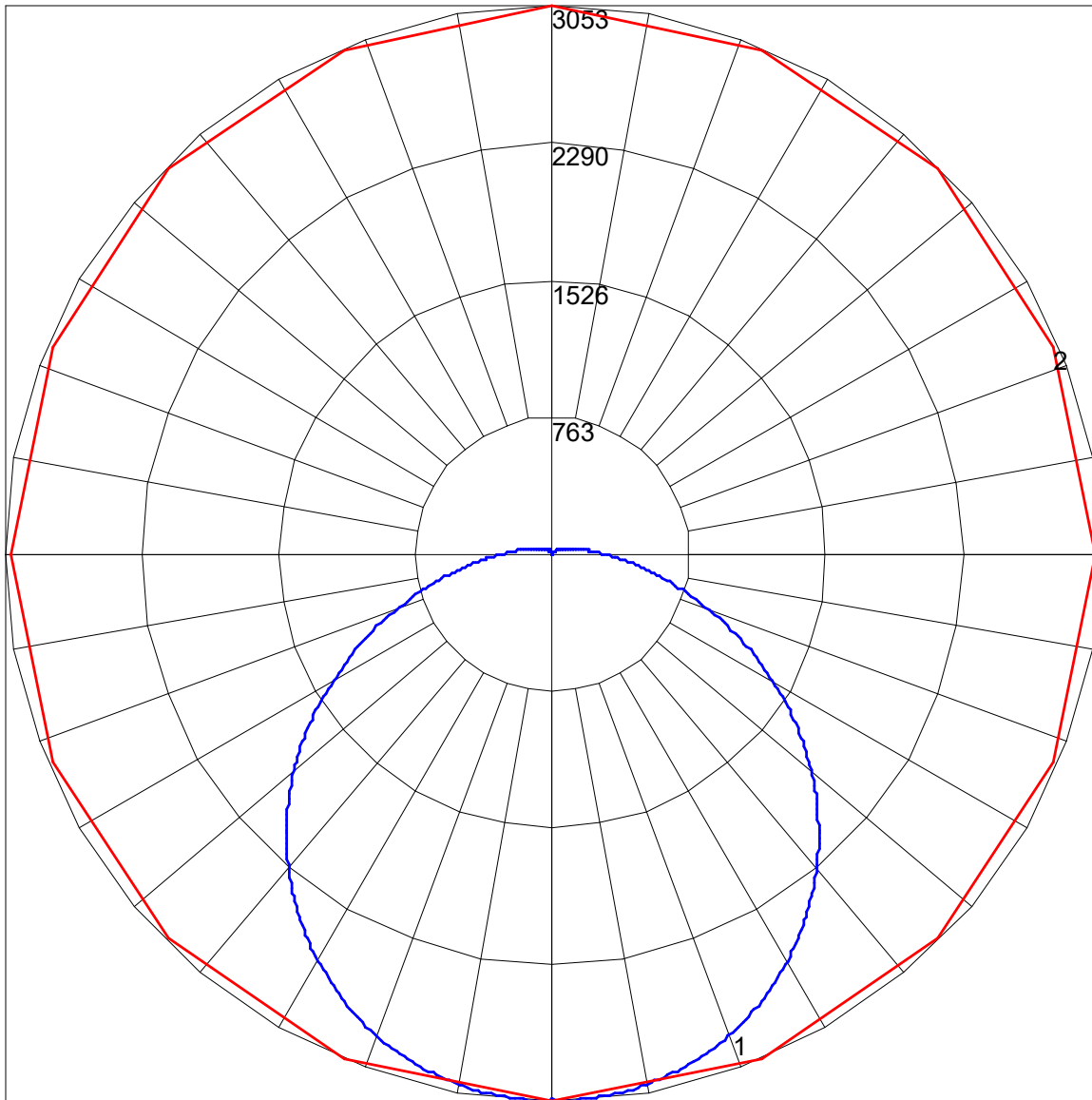
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UGR TABLE - CORRECTED

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	20.8	22.3	21.2	22.7	23.1	22.8	24.4	23.2	24.8	25.2
	3H	22.0	23.4	22.4	23.8	24.2	24.8	26.2	25.2	26.6	27.0
	4H	22.3	23.7	22.8	24.1	24.5	25.6	27.0	26.1	27.4	27.8
	6H	22.5	23.8	23.0	24.2	24.7	26.4	27.7	26.9	28.1	28.6
	8H	22.5	23.8	23.0	24.2	24.7	26.8	28.0	27.3	28.5	28.9
	12H	22.6	23.7	23.0	24.2	24.7	27.2	28.4	27.7	28.8	29.3
4H	2H	21.6	23.0	22.1	23.4	23.8	23.2	24.6	23.7	25.0	25.4
	3H	23.0	24.2	23.5	24.6	25.1	25.4	26.6	25.9	27.0	27.5
	4H	23.5	24.6	24.0	25.0	25.5	26.4	27.4	26.9	27.9	28.4
	6H	23.8	24.7	24.3	25.2	25.8	27.4	28.3	27.9	28.8	29.3
	8H	23.9	24.7	24.4	25.2	25.8	27.8	28.7	28.3	29.2	29.7
	12H	23.9	24.7	24.4	25.2	25.8	28.3	29.1	28.8	29.6	30.2
8H	4H	24.1	24.9	24.6	25.4	26.0	26.6	27.5	27.1	27.9	28.5
	6H	24.5	25.2	25.1	25.8	26.3	27.7	28.4	28.2	29.0	29.5
	8H	24.7	25.3	25.2	25.9	26.4	28.3	28.9	28.8	29.5	30.0
	12H	24.8	25.3	25.3	25.9	26.5	28.9	29.5	29.5	30.0	30.7
12H	4H	24.2	25.0	24.7	25.5	26.0	26.6	27.4	27.1	27.9	28.4
	6H	24.7	25.4	25.3	25.9	26.5	27.7	28.4	28.3	28.9	29.5
	8H	24.9	25.5	25.5	26.1	26.7	28.4	28.9	28.9	29.5	30.1

Maximum UGR = 30.7

POLAR GRAPH



Maximum Candela = 3052.883 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.)