



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL45 UV FR 940 @800MA.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 SEL45 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-45-UV-PS850-54-VDIM-LM1 LED driver set at 800mA

[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	6139
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	39.3
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)	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	15741	14021	13613
55	13698	12383	12057
65	11015	10395	10116
75	8058	8311	7926
85	4806	6736	6009

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	752.65	N.A.	12.30
0-30	1600.41	N.A.	26.10
0-40	2620.27	N.A.	42.70
0-60	4592.43	N.A.	74.80
0-80	5721.68	N.A.	93.20
0-90	5941.79	N.A.	96.80
10-90	5747.37	N.A.	93.60
20-40	1867.62	N.A.	30.40
20-50	2914.3	N.A.	47.50
40-70	2667.73	N.A.	43.50
60-80	1129.25	N.A.	18.40
70-80	433.68	N.A.	7.10
80-90	220.11	N.A.	3.60
90-110	147.86	N.A.	2.40
90-120	172.60	N.A.	2.80
90-130	185.69	N.A.	3.00
90-150	195.50	N.A.	3.20
90-180	197.22	N.A.	3.20
110-180	49.36	N.A.	0.80
0-180	6139.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	194.42
10-20	558.23
20-30	847.76
30-40	1019.86
40-50	1046.68
50-60	925.49
60-70	695.57
70-80	433.68
80-90	220.11
90-100	99.80
100-110	48.06
110-120	24.74
120-130	13.08
130-140	6.70
140-150	3.12
150-160	1.34
160-170	0.38
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

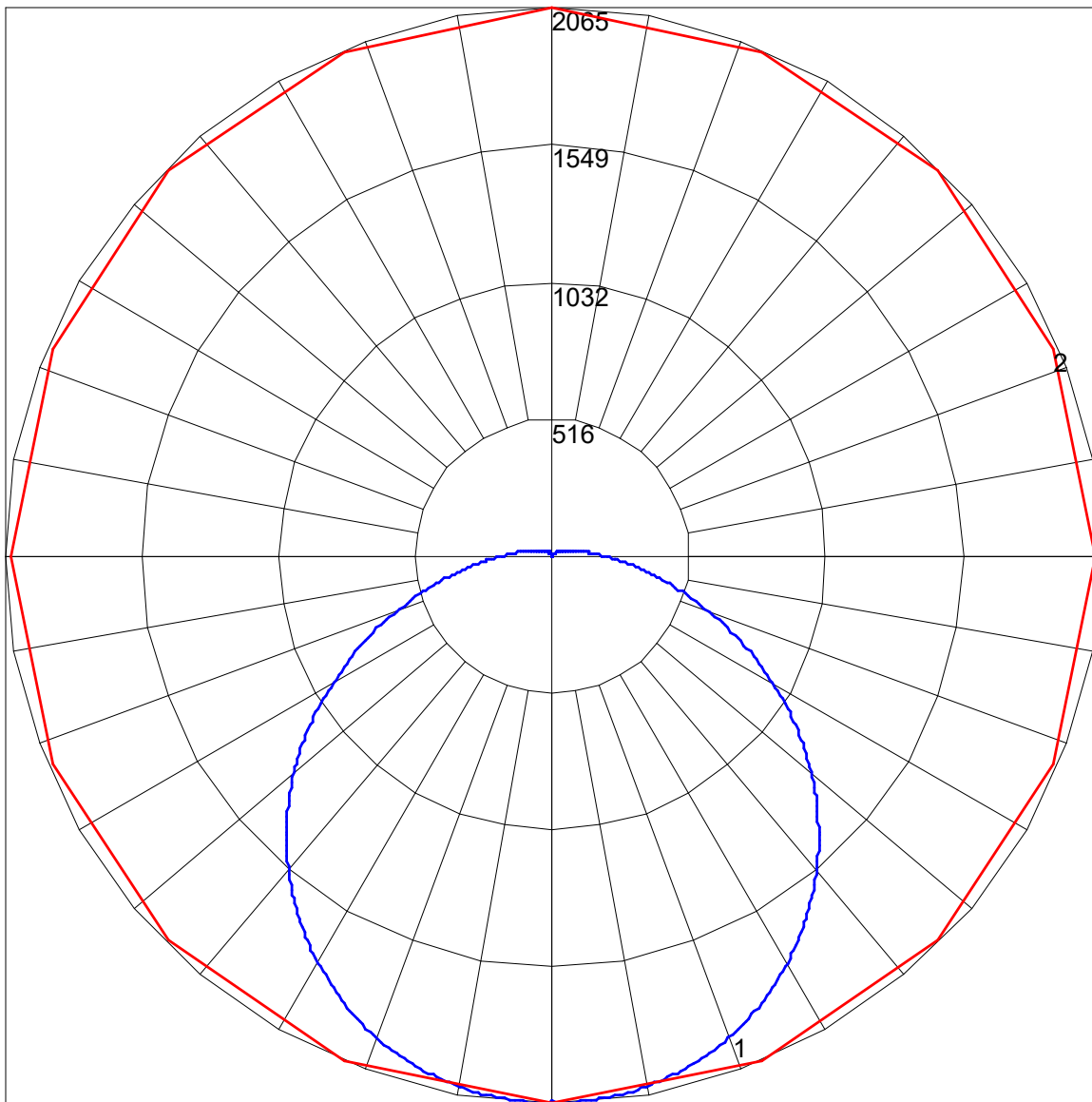
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UGR TABLE - CORRECTED

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	19.4	20.9	19.8	21.3	21.7	21.4	23.0	21.8	23.4	23.8
	3H	20.6	22.0	21.0	22.4	22.8	23.4	24.8	23.8	25.2	25.6
	4H	20.9	22.3	21.4	22.7	23.1	24.2	25.6	24.7	26.0	26.4
	6H	21.1	22.4	21.6	22.8	23.3	25.0	26.3	25.5	26.7	27.2
	8H	21.1	22.4	21.6	22.8	23.3	25.4	26.6	25.9	27.1	27.5
	12H	21.2	22.3	21.6	22.8	23.3	25.8	27.0	26.3	27.4	27.9
4H	2H	20.2	21.6	20.7	22.0	22.4	21.8	23.2	22.3	23.6	24.0
	3H	21.6	22.8	22.1	23.2	23.7	24.0	25.2	24.5	25.6	26.1
	4H	22.1	23.2	22.6	23.6	24.1	25.0	26.0	25.5	26.5	27.0
	6H	22.4	23.3	22.9	23.8	24.4	26.0	26.9	26.5	27.4	27.9
	8H	22.5	23.3	23.0	23.8	24.4	26.4	27.3	26.9	27.8	28.3
	12H	22.5	23.3	23.0	23.8	24.4	26.9	27.7	27.4	28.2	28.8
8H	4H	22.7	23.5	23.2	24.0	24.6	25.2	26.1	25.7	26.5	27.1
	6H	23.1	23.8	23.7	24.4	24.9	26.3	27.0	26.8	27.6	28.1
	8H	23.3	23.9	23.8	24.5	25.0	26.9	27.5	27.4	28.1	28.6
	12H	23.4	23.9	23.9	24.5	25.1	27.5	28.1	28.1	28.6	29.3
12H	4H	22.8	23.6	23.3	24.1	24.6	25.2	26.0	25.7	26.5	27.0
	6H	23.3	24.0	23.9	24.5	25.1	26.3	27.0	26.9	27.5	28.1
	8H	23.5	24.1	24.1	24.7	25.3	27.0	27.5	27.5	28.1	28.7

Maximum UGR = 29.3

POLAR GRAPH



Maximum Candela = 2064.696 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.)