



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL45 UV FR 930 @850MA.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 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 48 LED boards, 3000K

[BALLAST] One KTLD-45-UV-PS850-54-VDIM-LM1 LED driver set at 850mA

[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	6339
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	41.9
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)	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	16255	14478	14058
55	14145	12788	12450
65	11374	10734	10447
75	8321	8582	8185
85	4963	6956	6205

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	777.22	N.A.	12.30
0-30	1652.67	N.A.	26.10
0-40	2705.82	N.A.	42.70
0-60	4742.39	N.A.	74.80
0-80	5908.51	N.A.	93.20
0-90	6135.8	N.A.	96.80
10-90	5935.03	N.A.	93.60
20-40	1928.6	N.A.	30.40
20-50	3009.46	N.A.	47.50
40-70	2754.84	N.A.	43.50
60-80	1166.12	N.A.	18.40
70-80	447.84	N.A.	7.10
80-90	227.29	N.A.	3.60
90-110	152.69	N.A.	2.40
90-120	178.24	N.A.	2.80
90-130	191.75	N.A.	3.00
90-150	201.89	N.A.	3.20
90-180	203.66	N.A.	3.20
110-180	50.97	N.A.	0.80
0-180	6339.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	200.77
10-20	576.46
20-30	875.44
30-40	1053.16
40-50	1080.86
50-60	955.71
60-70	718.28
70-80	447.84
80-90	227.29
90-100	103.06
100-110	49.63
110-120	25.55
120-130	13.51
130-140	6.91
140-150	3.22
150-160	1.38
160-170	0.40
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	95	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

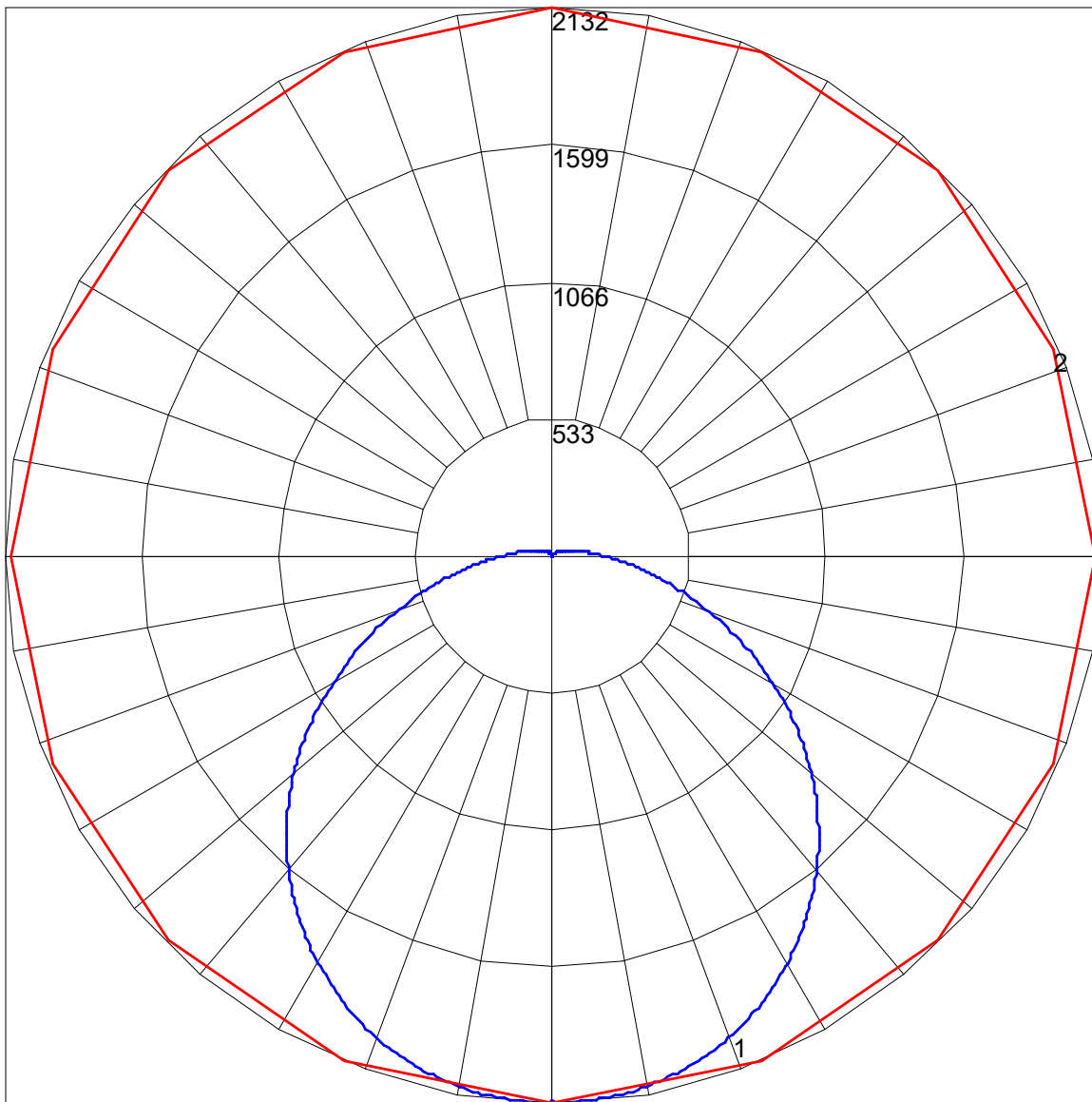
X=2H	Y=2H	19.5	21.0	19.9	21.4	21.8	21.5	23.1	21.9	23.5	23.9
	3H	20.7	22.1	21.1	22.5	22.9	23.5	24.9	23.9	25.3	25.7
	4H	21.0	22.4	21.5	22.8	23.2	24.3	25.7	24.8	26.1	26.5
	6H	21.2	22.5	21.7	22.9	23.4	25.1	26.4	25.6	26.8	27.3
	8H	21.2	22.5	21.7	22.9	23.4	25.5	26.7	26.0	27.2	27.6
	12H	21.3	22.4	21.7	22.9	23.4	25.9	27.1	26.4	27.5	28.0

UGR Viewed Endwise

4H	2H	20.3	21.7	20.8	22.1	22.5	21.9	23.3	22.4	23.7	24.1
	3H	21.7	22.9	22.2	23.3	23.8	24.1	25.3	24.6	25.7	26.2
	4H	22.2	23.3	22.7	23.7	24.2	25.1	26.1	25.6	26.6	27.1
	6H	22.5	23.4	23.0	23.9	24.5	26.1	27.0	26.6	27.5	28.0
	8H	22.6	23.4	23.1	23.9	24.5	26.5	27.4	27.0	27.9	28.4
	12H	22.6	23.4	23.1	23.9	24.5	27.0	27.8	27.5	28.3	28.9
8H	4H	22.8	23.6	23.3	24.1	24.7	25.3	26.2	25.8	26.6	27.2
	6H	23.2	23.9	23.8	24.5	25.0	26.4	27.1	26.9	27.7	28.2
	8H	23.4	24.0	23.9	24.6	25.1	27.0	27.6	27.5	28.2	28.7
	12H	23.5	24.0	24.0	24.6	25.2	27.6	28.2	28.2	28.7	29.4
12H	4H	22.9	23.7	23.4	24.2	24.7	25.3	26.1	25.8	26.6	27.1
	6H	23.4	24.1	24.0	24.6	25.2	26.4	27.1	27.0	27.6	28.2
	8H	23.6	24.2	24.2	24.8	25.4	27.1	27.6	27.6	28.2	28.8

Maximum UGR = 29.4

POLAR GRAPH



Maximum Candela = 2132.113 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.)