

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: METALUX

Report Number: P566358

Luminaire Tested: **4SNX-37SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-37SL-SLW-UNV-L830-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

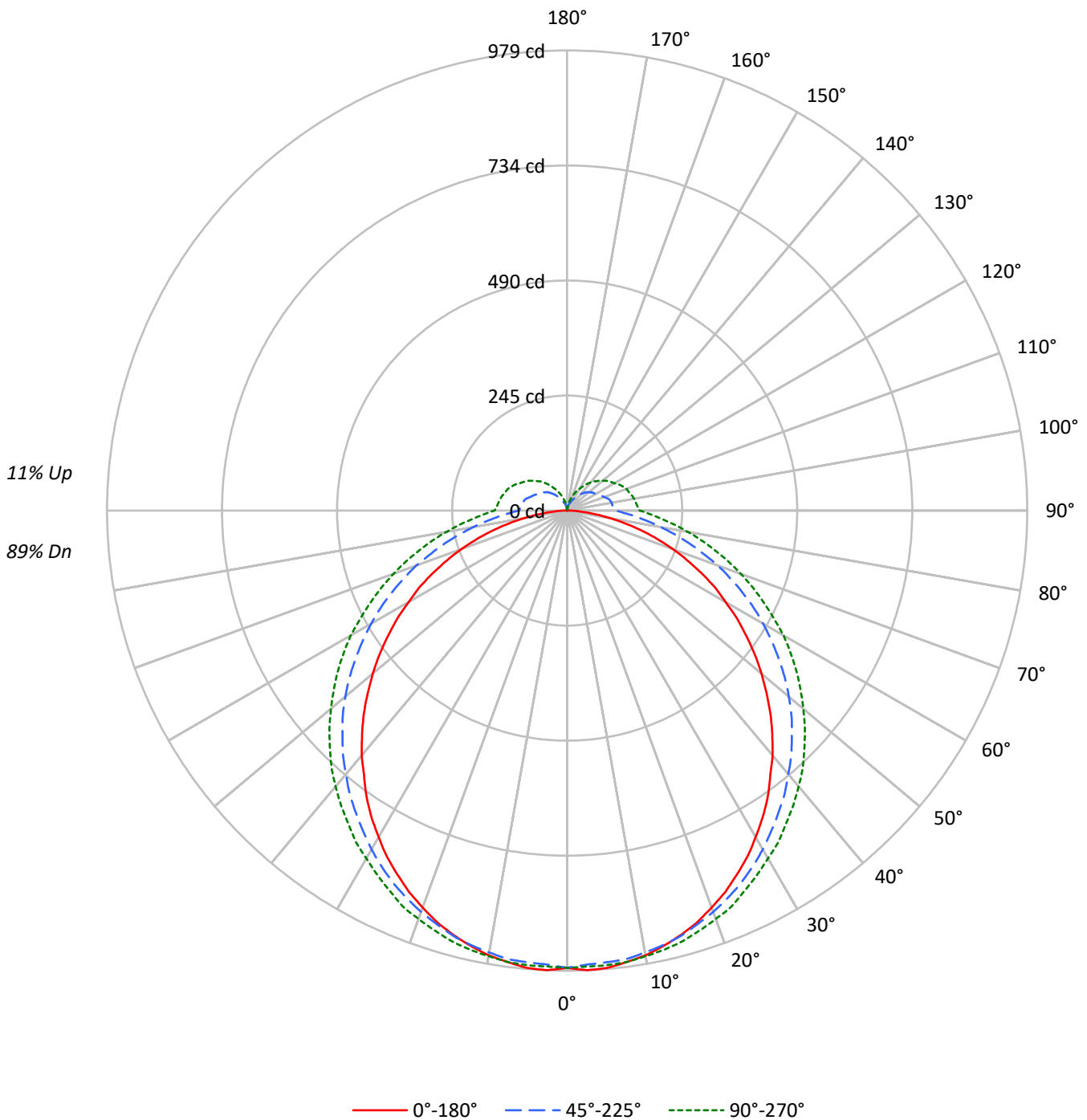
Lumens per Lamp: N/A
Luminaire Lumens: 3463.0 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10471	10471	10471
5°	10535	10201	10193
10°	10462	9995	9940
15°	10358	9784	9708
20°	10216	9542	9449
25°	10050	9304	9179
30°	9854	9044	8911
35°	9638	8772	8661
40°	9390	8507	8420
45°	9122	8235	8160
50°	8816	7949	7870
55°	8481	7605	7583
60°	8086	7237	7265
65°	7679	6823	6863
70°	7107	6368	6470
75°	6350	5790	6035
80°	5119	5201	5606
85°	3604	4695	5167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	2.7
10°-20°	265.6	7.7
20°-30°	403.8	11.7
30°-40°	490.2	14.2
40°-50°	518.0	15.0
50°-60°	484.7	14.0
60°-70°	397.7	11.5
70°-80°	273.6	7.9
80°-90°	149.8	4.3
90°-100°	96.5	2.8
100°-110°	86.6	2.5
110°-120°	71.6	2.1
120°-130°	55.2	1.6
130°-140°	38.8	1.1
140°-150°	23.4	0.7
150°-160°	11.2	0.3
160°-170°	3.7	0.1
170°-180°	0.4	0.0
0°-30°	761.8	22.0
0°-40°	1252.0	36.2
0°-60°	2254.7	65.1
0°-90°	3075.8	88.8
90°-120°	254.7	7.4
90°-150°	372.0	10.7
90°-180°	387.0	11.2
0°-180°	3463.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	973	973	973	973	973	
5°	977	975	965	973	971	93
15°	935	939	937	949	949	264
25°	854	864	874	892	892	394
35°	744	762	784	806	812	465
45°	612	640	676	706	714	471
55°	465	503	550	584	596	416
65°	315	357	411	449	461	312
75°	164	209	269	311	325	173
85°	36	86	146	186	201	42
90°	0	48	102	140	154	2
95°	0	46	98	134	148	0
105°	0	38	92	126	138	1
115°	2	34	78	112	126	2
125°	2	28	66	96	108	2
135°	2	22	54	78	88	2
145°	2	16	38	60	66	1
155°	2	10	24	38	44	1
165°	2	6	12	18	22	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	972.8	972.8	972.8	972.8	972.8
2.5°	978.8	976.8	966.7	974.8	970.8
5°	976.8	974.8	964.7	972.8	970.8
7.5°	968.8	968.8	962.7	970.8	968.8
10°	960.7	960.7	954.7	964.7	962.7
12.5°	948.7	950.7	946.7	958.7	956.7
15°	934.7	938.7	936.7	948.7	948.7
17.5°	918.6	922.6	922.6	936.7	936.7
20°	898.6	904.6	908.6	924.6	924.6
22.5°	878.5	886.5	892.5	906.6	912.6
25°	854.4	864.5	874.5	892.5	892.5
27.5°	830.4	842.4	854.4	872.5	874.5
30°	802.3	816.3	832.4	850.4	854.4
32.5°	774.2	792.3	808.3	830.4	836.4
35°	744.1	762.2	784.2	806.3	812.3
37.5°	710.0	732.1	760.2	784.2	790.2
40°	679.9	704.0	732.1	760.2	766.2
42.5°	645.8	671.9	706.0	732.1	742.1
45°	611.7	639.8	675.9	706.0	714.0
47.5°	575.6	607.7	647.8	675.9	685.9
50°	539.5	573.6	615.8	647.8	655.9
52.5°	503.4	539.5	583.7	615.8	625.8
55°	465.3	503.4	549.6	583.7	595.7
57.5°	429.2	467.3	515.5	551.6	563.6
60°	389.1	433.2	481.4	517.5	531.5
62.5°	355.0	395.1	447.3	483.4	495.4
65°	314.9	357.0	411.2	449.3	461.3
67.5°	276.8	320.9	375.1	415.2	427.2
70°	238.7	282.8	341.0	379.1	393.1
72.5°	200.6	246.7	302.9	345.0	359.0
75°	164.5	208.6	268.8	310.9	324.9
77.5°	126.4	174.5	234.7	276.8	292.8
80°	92.3	142.4	202.6	244.7	260.7
82.5°	62.2	112.3	172.5	214.6	230.7
85°	36.1	86.2	146.4	186.5	200.6
87.5°	18.1	66.2	122.3	162.5	176.5
90°	0.0	48.1	102.3	140.4	154.4
92.5°	0.0	46.1	100.3	136.4	150.4
95°	0.0	46.1	98.3	134.4	148.4
97.5°	0.0	44.1	96.3	134.4	146.4
100°	0.0	42.1	96.3	132.4	144.4
102.5°	0.0	40.1	94.3	130.4	142.4
105°	0.0	38.1	92.3	126.4	138.4
107.5°	2.0	38.1	88.3	124.4	136.4
110°	2.0	36.1	84.2	122.3	134.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	34.1	80.2	118.3	130.4
115°	2.0	34.1	78.2	112.3	126.4
117.5°	2.0	32.1	74.2	108.3	122.3
120°	2.0	32.1	72.2	104.3	116.3
122.5°	2.0	30.1	68.2	100.3	112.3
125°	2.0	28.1	66.2	96.3	108.3
127.5°	2.0	26.1	64.2	92.3	104.3
130°	2.0	24.1	60.2	88.3	98.3
132.5°	2.0	24.1	58.2	82.2	94.3
135°	2.0	22.1	54.2	78.2	88.3
137.5°	2.0	20.1	50.1	74.2	84.2
140°	2.0	18.1	46.1	70.2	78.2
142.5°	2.0	18.1	42.1	64.2	72.2
145°	2.0	16.0	38.1	60.2	66.2
147.5°	2.0	14.0	34.1	54.2	60.2
150°	2.0	14.0	30.1	48.1	54.2
152.5°	2.0	12.0	26.1	44.1	50.1
155°	2.0	10.0	24.1	38.1	44.1
157.5°	2.0	10.0	20.1	32.1	38.1
160°	2.0	8.0	18.1	26.1	32.1
162.5°	2.0	8.0	16.0	22.1	28.1
165°	2.0	6.0	12.0	18.1	22.1
167.5°	2.0	6.0	10.0	14.0	18.1
170°	2.0	4.0	8.0	10.0	14.0
172.5°	2.0	4.0	6.0	6.0	6.0
175°	2.0	2.0	4.0	4.0	2.0
177.5°	2.0	2.0	2.0	2.0	2.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)