

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: P568007

Luminaire Tested: **8SNX-74SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568007
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: 8SNX-74SL-SLW-UNV-L935-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

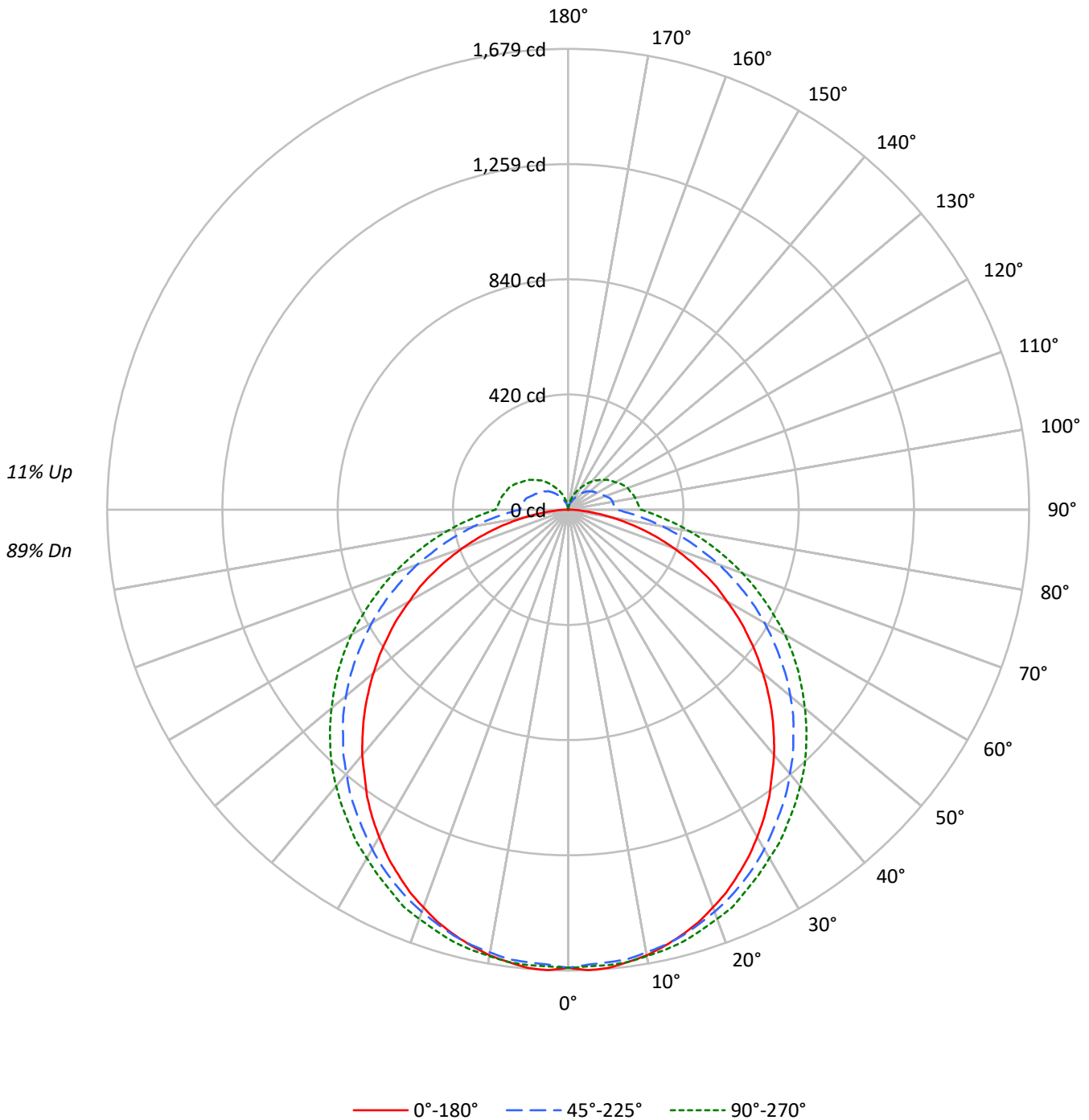
Lumens per Lamp: N/A
Luminaire Lumens: 5942.0 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 48
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	77	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°	8983	8983	8983
5°	9046	8758	8745
10°	8993	8586	8528
15°	8911	8409	8329
20°	8797	8206	8107
25°	8664	8007	7875
30°	8504	7787	7646
35°	8328	7559	7430
40°	8126	7335	7224
45°	7907	7107	7001
50°	7657	6865	6751
55°	7382	6575	6506
60°	7059	6264	6233
65°	6731	5914	5888
70°	6265	5529	5551
75°	5649	5038	5178
80°	4634	4540	4810
85°	3417	4118	4432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.5	2.7
10°-20°	455.7	7.7
20°-30°	692.9	11.7
30°-40°	841.1	14.2
40°-50°	888.8	15.0
50°-60°	831.7	14.0
60°-70°	682.4	11.5
70°-80°	469.4	7.9
80°-90°	257.0	4.3
90°-100°	165.5	2.8
100°-110°	148.5	2.5
110°-120°	122.9	2.1
120°-130°	94.7	1.6
130°-140°	66.5	1.1
140°-150°	40.1	0.7
150°-160°	19.2	0.3
160°-170°	6.3	0.1
170°-180°	0.8	0.0
0°-30°	1307.1	22.0
0°-40°	2148.2	36.2
0°-60°	3868.7	65.1
0°-90°	5277.5	88.8
90°-120°	437.0	7.4
90°-150°	638.2	10.7
90°-180°	664.0	11.2
0°-180°	5942.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1669	1669	1669	1669	1669	
5°	1676	1673	1655	1669	1666	159
15°	1604	1611	1607	1628	1628	452
25°	1466	1483	1500	1532	1532	676
35°	1277	1308	1346	1384	1394	798
45°	1050	1098	1160	1211	1225	809
55°	798	864	943	1002	1022	714
65°	540	613	706	771	792	535
75°	282	358	461	533	558	297
85°	62	148	251	320	344	72
90°	0	83	176	241	265	4
95°	0	79	169	231	255	0
105°	0	65	158	217	238	2
115°	3	58	134	193	217	3
125°	3	48	114	165	186	3
135°	3	38	93	134	151	3
145°	3	28	65	103	114	2
155°	3	17	41	65	76	2
165°	3	10	21	31	38	1
175°	3	3	7	7	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1669.1	1669.1	1669.1	1669.1	1669.1
2.5°	1679.4	1676.0	1658.8	1672.6	1665.7
5°	1676.0	1672.6	1655.4	1669.1	1665.7
7.5°	1662.2	1662.2	1651.9	1665.7	1662.2
10°	1648.5	1648.5	1638.1	1655.4	1651.9
12.5°	1627.8	1631.3	1624.4	1645.0	1641.6
15°	1603.7	1610.6	1607.2	1627.8	1627.8
17.5°	1576.2	1583.1	1583.1	1607.2	1607.2
20°	1541.8	1552.1	1559.0	1586.5	1586.5
22.5°	1507.4	1521.1	1531.5	1555.6	1565.9
25°	1466.1	1483.3	1500.5	1531.5	1531.5
27.5°	1424.8	1445.4	1466.1	1497.0	1500.5
30°	1376.6	1400.7	1428.2	1459.2	1466.1
32.5°	1328.4	1359.4	1386.9	1424.8	1435.1
35°	1276.8	1307.8	1345.6	1383.5	1393.8
37.5°	1218.3	1256.1	1304.3	1345.6	1355.9
40°	1166.7	1208.0	1256.1	1304.3	1314.6
42.5°	1108.2	1152.9	1211.4	1256.1	1273.4
45°	1049.7	1097.8	1159.8	1211.4	1225.2
47.5°	987.7	1042.8	1111.6	1159.8	1177.0
50°	925.8	984.3	1056.5	1111.6	1125.4
52.5°	863.8	925.8	1001.5	1056.5	1073.7
55°	798.4	863.8	943.0	1001.5	1022.1
57.5°	736.5	801.9	884.5	946.4	967.1
60°	667.6	743.4	826.0	887.9	912.0
62.5°	609.1	678.0	767.5	829.4	850.0
65°	540.3	612.6	705.5	770.9	791.5
67.5°	474.9	550.6	643.6	712.4	733.0
70°	409.5	485.2	585.1	650.4	674.5
72.5°	344.1	423.3	519.7	591.9	616.0
75°	282.2	357.9	461.2	533.4	557.5
77.5°	216.8	299.4	402.7	474.9	502.5
80°	158.3	244.3	347.6	419.9	447.4
82.5°	106.7	192.7	296.0	368.2	395.8
85°	61.9	148.0	251.2	320.1	344.1
87.5°	31.0	113.6	209.9	278.8	302.9
90°	0.0	82.6	175.5	240.9	265.0
92.5°	0.0	79.2	172.1	234.0	258.1
95°	0.0	79.2	168.6	230.6	254.7
97.5°	0.0	75.7	165.2	230.6	251.2
100°	0.0	72.3	165.2	227.1	247.8
102.5°	0.0	68.8	161.7	223.7	244.3
105°	0.0	65.4	158.3	216.8	237.5
107.5°	3.4	65.4	151.4	213.4	234.0
110°	3.4	61.9	144.5	209.9	230.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	58.5	137.7	203.0	223.7
115°	3.4	58.5	134.2	192.7	216.8
117.5°	3.4	55.1	127.3	185.8	209.9
120°	3.4	55.1	123.9	179.0	199.6
122.5°	3.4	51.6	117.0	172.1	192.7
125°	3.4	48.2	113.6	165.2	185.8
127.5°	3.4	44.7	110.1	158.3	179.0
130°	3.4	41.3	103.2	151.4	168.6
132.5°	3.4	41.3	99.8	141.1	161.7
135°	3.4	37.9	92.9	134.2	151.4
137.5°	3.4	34.4	86.0	127.3	144.5
140°	3.4	31.0	79.2	120.5	134.2
142.5°	3.4	31.0	72.3	110.1	123.9
145°	3.4	27.5	65.4	103.2	113.6
147.5°	3.4	24.1	58.5	92.9	103.2
150°	3.4	24.1	51.6	82.6	92.9
152.5°	3.4	20.6	44.7	75.7	86.0
155°	3.4	17.2	41.3	65.4	75.7
157.5°	3.4	17.2	34.4	55.1	65.4
160°	3.4	13.8	31.0	44.7	55.1
162.5°	3.4	13.8	27.5	37.9	48.2
165°	3.4	10.3	20.6	31.0	37.9
167.5°	3.4	10.3	17.2	24.1	31.0
170°	3.4	6.9	13.8	17.2	24.1
172.5°	3.4	6.9	10.3	10.3	10.3
175°	3.4	3.4	6.9	6.9	3.4
177.5°	3.4	3.4	3.4	3.4	3.4
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)