

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: P568005

Luminaire Tested: **8SNX-74SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568005  
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-L850-CD  
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

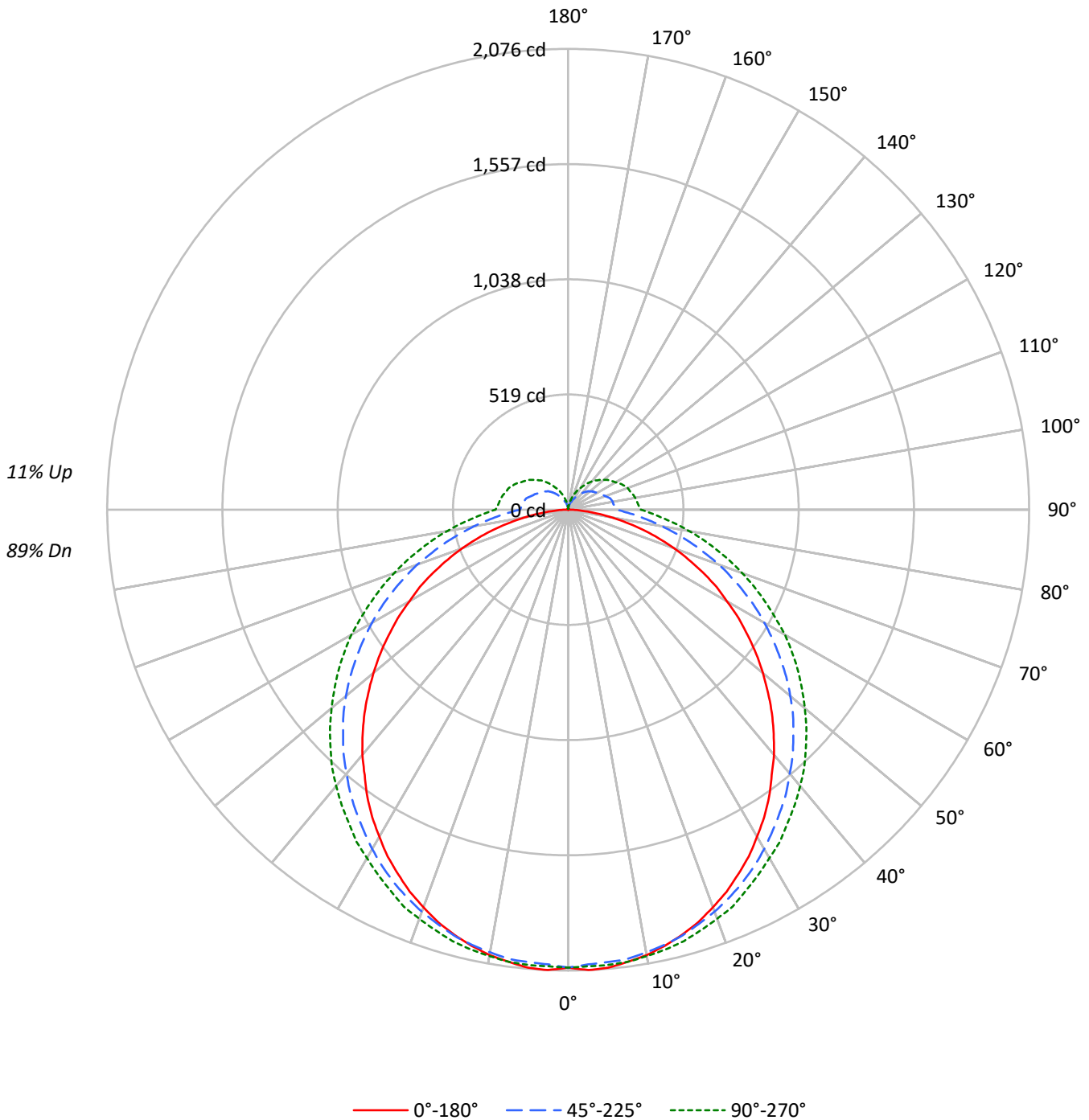
Lumens per Lamp: N/A  
Luminaire Lumens: 7344.1 lumens  
Efficiency: N/A  
Efficacy: 153.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

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	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°	11102	11102	11102
5°	11181	10824	10808
10°	11114	10612	10541
15°	11013	10394	10294
20°	10873	10142	10020
25°	10708	9896	9733
30°	10510	9625	9449
35°	10293	9343	9184
40°	10043	9066	8928
45°	9773	8784	8652
50°	9463	8485	8344
55°	9124	8126	8041
60°	8726	7742	7703
65°	8319	7310	7277
70°	7745	6833	6861
75°	6983	6227	6400
80°	5728	5611	5945
85°	4229	5090	5477



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.9	2.7
10°-20°	563.2	7.7
20°-30°	856.4	11.7
30°-40°	1039.5	14.2
40°-50°	1098.5	15.0
50°-60°	1027.9	14.0
60°-70°	843.4	11.5
70°-80°	580.1	7.9
80°-90°	317.7	4.3
90°-100°	204.6	2.8
100°-110°	183.6	2.5
110°-120°	152.0	2.1
120°-130°	117.0	1.6
130°-140°	82.2	1.1
140°-150°	49.5	0.7
150°-160°	23.7	0.3
160°-170°	7.8	0.1
170°-180°	0.9	0.0
0°-30°	1615.5	22.0
0°-40°	2655.1	36.2
0°-60°	4781.5	65.1
0°-90°	6522.7	88.8
90°-120°	540.1	7.4
90°-150°	788.9	10.7
90°-180°	821.0	11.2
0°-180°	7344.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2063	2063	2063	2063	2063	
5°	2072	2067	2046	2063	2059	196
15°	1982	1991	1986	2012	2012	559
25°	1812	1833	1854	1893	1893	835
35°	1578	1616	1663	1710	1723	986
45°	1297	1357	1433	1497	1514	1000
55°	987	1068	1166	1238	1263	883
65°	668	757	872	953	978	661
75°	349	442	570	659	689	367
85°	77	183	310	396	425	89
90°	0	102	217	298	328	5
95°	0	98	208	285	315	0
105°	0	81	196	268	294	3
115°	4	72	166	238	268	4
125°	4	60	140	204	230	4
135°	4	47	115	166	187	3
145°	4	34	81	128	140	3
155°	4	21	51	81	94	2
165°	4	13	26	38	47	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2062.9	2062.9	2062.9	2062.9	2062.9
2.5°	2075.7	2071.5	2050.2	2067.2	2058.7
5°	2071.5	2067.2	2045.9	2062.9	2058.7
7.5°	2054.4	2054.4	2041.7	2058.7	2054.4
10°	2037.4	2037.4	2024.7	2045.9	2041.7
12.5°	2011.9	2016.2	2007.7	2033.2	2028.9
15°	1982.1	1990.6	1986.4	2011.9	2011.9
17.5°	1948.1	1956.6	1956.6	1986.4	1986.4
20°	1905.6	1918.3	1926.8	1960.9	1960.9
22.5°	1863.0	1880.0	1892.8	1922.6	1935.3
25°	1812.0	1833.3	1854.5	1892.8	1892.8
27.5°	1760.9	1786.5	1812.0	1850.3	1854.5
30°	1701.4	1731.2	1765.2	1803.5	1812.0
32.5°	1641.9	1680.1	1714.2	1760.9	1773.7
35°	1578.0	1616.3	1663.1	1709.9	1722.7
37.5°	1505.7	1552.5	1612.1	1663.1	1675.9
40°	1441.9	1493.0	1552.5	1612.1	1624.8
42.5°	1369.6	1424.9	1497.2	1552.5	1573.8
45°	1297.3	1356.9	1433.4	1497.2	1514.2
47.5°	1220.8	1288.8	1373.9	1433.4	1454.7
50°	1144.2	1216.5	1305.8	1373.9	1390.9
52.5°	1067.6	1144.2	1237.8	1305.8	1327.1
55°	986.8	1067.6	1165.5	1237.8	1263.3
57.5°	910.2	991.1	1093.1	1169.7	1195.2
60°	825.2	918.8	1020.8	1097.4	1127.2
62.5°	752.9	837.9	948.5	1025.1	1050.6
65°	667.8	757.1	872.0	952.8	978.3
67.5°	587.0	680.6	795.4	880.5	906.0
70°	506.2	599.7	723.1	803.9	833.7
72.5°	425.3	523.2	642.3	731.6	761.4
75°	348.8	442.4	570.0	659.3	689.1
77.5°	268.0	370.1	497.7	587.0	621.0
80°	195.7	302.0	429.6	518.9	553.0
82.5°	131.9	238.2	365.8	455.1	489.2
85°	76.6	182.9	310.5	395.6	425.3
87.5°	38.3	140.4	259.5	344.5	374.3
90°	0.0	102.1	216.9	297.7	327.5
92.5°	0.0	97.8	212.7	289.2	319.0
95°	0.0	97.8	208.4	285.0	314.8
97.5°	0.0	93.6	204.2	285.0	310.5
100°	0.0	89.3	204.2	280.7	306.3
102.5°	0.0	85.1	199.9	276.5	302.0
105°	0.0	80.8	195.7	268.0	293.5
107.5°	4.3	80.8	187.2	263.7	289.2
110°	4.3	76.6	178.6	259.5	285.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.3	72.3	170.1	251.0	276.5
115°	4.3	72.3	165.9	238.2	268.0
117.5°	4.3	68.1	157.4	229.7	259.5
120°	4.3	68.1	153.1	221.2	246.7
122.5°	4.3	63.8	144.6	212.7	238.2
125°	4.3	59.5	140.4	204.2	229.7
127.5°	4.3	55.3	136.1	195.7	221.2
130°	4.3	51.0	127.6	187.2	208.4
132.5°	4.3	51.0	123.4	174.4	199.9
135°	4.3	46.8	114.8	165.9	187.2
137.5°	4.3	42.5	106.3	157.4	178.6
140°	4.3	38.3	97.8	148.9	165.9
142.5°	4.3	38.3	89.3	136.1	153.1
145°	4.3	34.0	80.8	127.6	140.4
147.5°	4.3	29.8	72.3	114.8	127.6
150°	4.3	29.8	63.8	102.1	114.8
152.5°	4.3	25.5	55.3	93.6	106.3
155°	4.3	21.3	51.0	80.8	93.6
157.5°	4.3	21.3	42.5	68.1	80.8
160°	4.3	17.0	38.3	55.3	68.1
162.5°	4.3	17.0	34.0	46.8	59.5
165°	4.3	12.8	25.5	38.3	46.8
167.5°	4.3	12.8	21.3	29.8	38.3
170°	4.3	8.5	17.0	21.3	29.8
172.5°	4.3	8.5	12.8	12.8	12.8
175°	4.3	4.3	8.5	8.5	4.3
177.5°	4.3	4.3	4.3	4.3	4.3
180°	4.3	4.3	4.3	4.3	4.3

(END OF REPORT)