

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: P567996

Luminaire Tested: **8SNX-74SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567996  
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-LW-UNV-L840-CD  
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

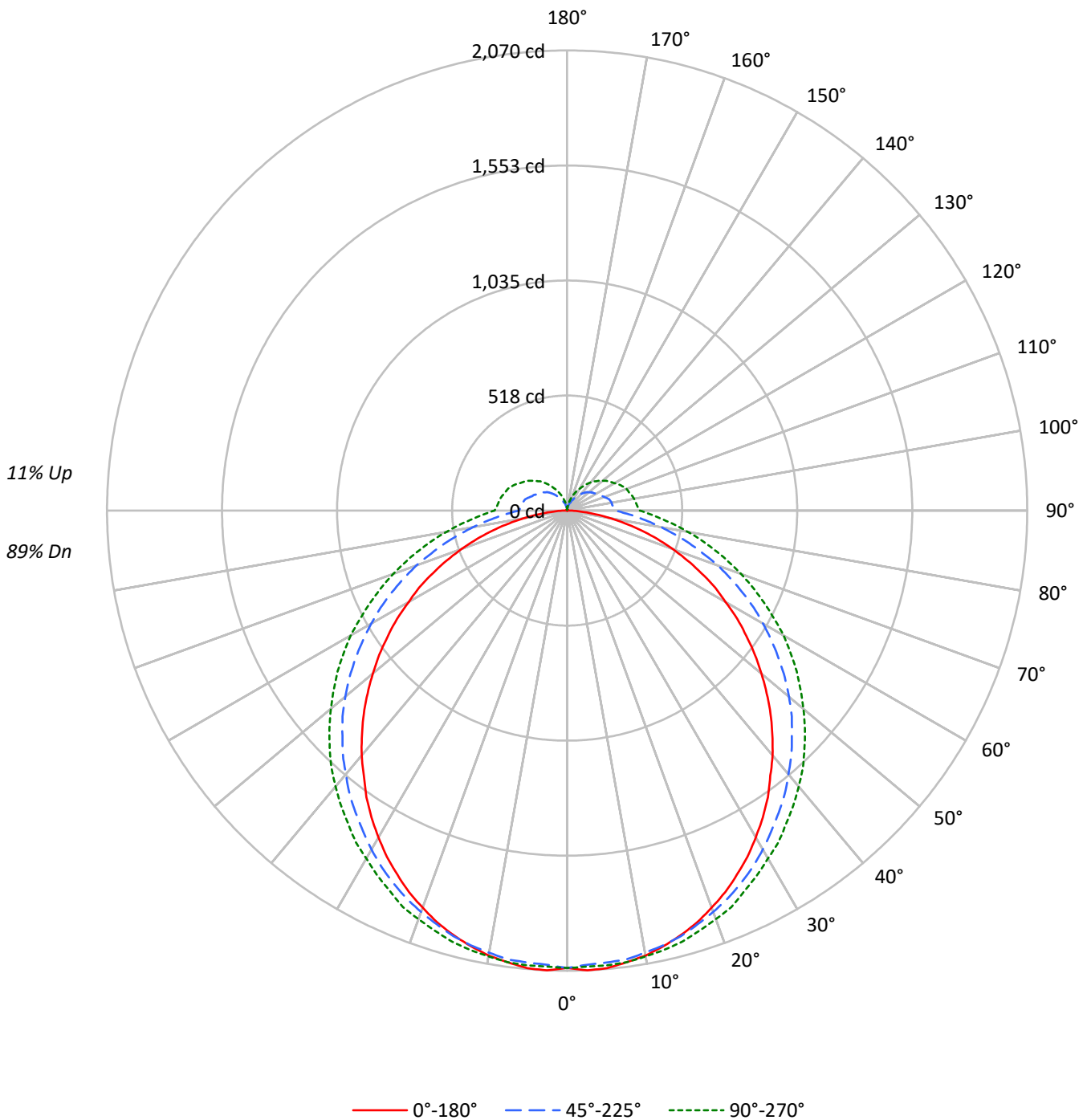
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7325.0 lumens  
Efficiency: N/A  
Efficacy: 152.6 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: 0.17')  
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°	11074	11074	11074
5°	11142	10575	10482
10°	11065	10165	9958
15°	10954	9767	9486
20°	10803	9352	9014
25°	10629	8954	8552
30°	10421	8543	8110
35°	10193	8131	7696
40°	9931	7727	7301
45°	9648	7322	6897
50°	9324	6905	6473
55°	8969	6438	6056
60°	8550	5950	5616
65°	8120	5422	5114
70°	7515	4859	4621
75°	6712	4201	4097
80°	5411	3535	3575
85°	3810	2917	3039



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.4	2.7
10°-20°	561.7	7.7
20°-30°	854.1	11.7
30°-40°	1036.8	14.2
40°-50°	1095.7	15.0
50°-60°	1025.3	14.0
60°-70°	841.2	11.5
70°-80°	578.6	7.9
80°-90°	316.9	4.3
90°-100°	204.0	2.8
100°-110°	183.1	2.5
110°-120°	151.6	2.1
120°-130°	116.7	1.6
130°-140°	82.0	1.1
140°-150°	49.4	0.7
150°-160°	23.7	0.3
160°-170°	7.8	0.1
170°-180°	0.9	0.0
0°-30°	1611.3	22.0
0°-40°	2648.2	36.2
0°-60°	4769.1	65.1
0°-90°	6505.8	88.8
90°-120°	538.7	7.4
90°-150°	786.8	10.7
90°-180°	819.0	11.2
0°-180°	7325.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2058	2058	2058	2058	2058	
5°	2066	2062	2041	2058	2053	196
15°	1977	1986	1981	2007	2007	557
25°	1807	1828	1850	1888	1888	833
35°	1574	1612	1659	1706	1718	983
45°	1294	1353	1430	1493	1510	997
55°	984	1065	1162	1235	1260	881
65°	666	755	870	950	976	660
75°	348	441	568	658	687	366
85°	76	182	310	395	424	88
90°	0	102	216	297	327	5
95°	0	98	208	284	314	0
105°	0	81	195	267	293	3
115°	4	72	166	238	267	4
125°	4	59	140	204	229	4
135°	4	47	114	166	187	3
145°	4	34	81	127	140	3
155°	4	21	51	81	93	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°	2057.6	2057.6	2057.6	2057.6	2057.6
2.5°	2070.3	2066.1	2044.9	2061.9	2053.4
5°	2066.1	2061.9	2040.6	2057.6	2053.4
7.5°	2049.1	2049.1	2036.4	2053.4	2049.1
10°	2032.2	2032.2	2019.4	2040.6	2036.4
12.5°	2006.7	2010.9	2002.5	2027.9	2023.7
15°	1977.0	1985.5	1981.2	2006.7	2006.7
17.5°	1943.1	1951.5	1951.5	1981.2	1981.2
20°	1900.6	1913.4	1921.8	1955.8	1955.8
22.5°	1858.2	1875.2	1887.9	1917.6	1930.3
25°	1807.3	1828.5	1849.7	1887.9	1887.9
27.5°	1756.4	1781.8	1807.3	1845.5	1849.7
30°	1697.0	1726.7	1760.6	1798.8	1807.3
32.5°	1637.6	1675.8	1709.7	1756.4	1769.1
35°	1574.0	1612.1	1658.8	1705.5	1718.2
37.5°	1501.8	1548.5	1607.9	1658.8	1671.5
40°	1438.2	1489.1	1548.5	1607.9	1620.6
42.5°	1366.1	1421.2	1493.4	1548.5	1569.7
45°	1294.0	1353.4	1429.7	1493.4	1510.3
47.5°	1217.6	1285.5	1370.3	1429.7	1450.9
50°	1141.2	1213.4	1302.4	1370.3	1387.3
52.5°	1064.9	1141.2	1234.6	1302.4	1323.7
55°	984.3	1064.9	1162.4	1234.6	1260.0
57.5°	907.9	988.5	1090.3	1166.7	1192.1
60°	823.0	916.4	1018.2	1094.6	1124.3
62.5°	750.9	835.8	946.1	1022.4	1047.9
65°	666.1	755.2	869.7	950.3	975.8
67.5°	585.5	678.8	793.3	878.2	903.7
70°	504.9	598.2	721.2	801.8	831.5
72.5°	424.2	521.8	640.6	729.7	759.4
75°	347.9	441.2	568.5	657.6	687.3
77.5°	267.3	369.1	496.4	585.5	619.4
80°	195.2	301.2	428.5	517.6	551.5
82.5°	131.5	237.6	364.9	453.9	487.9
85°	76.4	182.4	309.7	394.6	424.2
87.5°	38.2	140.0	258.8	343.6	373.3
90°	0.0	101.8	216.4	297.0	326.7
92.5°	0.0	97.6	212.1	288.5	318.2
95°	0.0	97.6	207.9	284.2	313.9
97.5°	0.0	93.3	203.6	284.2	309.7
100°	0.0	89.1	203.6	280.0	305.5
102.5°	0.0	84.8	199.4	275.8	301.2
105°	0.0	80.6	195.2	267.3	292.7
107.5°	4.2	80.6	186.7	263.0	288.5
110°	4.2	76.4	178.2	258.8	284.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.2	72.1	169.7	250.3	275.8
115°	4.2	72.1	165.5	237.6	267.3
117.5°	4.2	67.9	157.0	229.1	258.8
120°	4.2	67.9	152.7	220.6	246.1
122.5°	4.2	63.6	144.2	212.1	237.6
125°	4.2	59.4	140.0	203.6	229.1
127.5°	4.2	55.2	135.8	195.2	220.6
130°	4.2	50.9	127.3	186.7	207.9
132.5°	4.2	50.9	123.0	173.9	199.4
135°	4.2	46.7	114.5	165.5	186.7
137.5°	4.2	42.4	106.1	157.0	178.2
140°	4.2	38.2	97.6	148.5	165.5
142.5°	4.2	38.2	89.1	135.8	152.7
145°	4.2	33.9	80.6	127.3	140.0
147.5°	4.2	29.7	72.1	114.5	127.3
150°	4.2	29.7	63.6	101.8	114.5
152.5°	4.2	25.5	55.2	93.3	106.1
155°	4.2	21.2	50.9	80.6	93.3
157.5°	4.2	21.2	42.4	67.9	80.6
160°	4.2	17.0	38.2	55.2	67.9
162.5°	4.2	17.0	33.9	46.7	59.4
165°	4.2	12.7	25.5	38.2	46.7
167.5°	4.2	12.7	21.2	29.7	38.2
170°	4.2	8.5	17.0	21.2	29.7
172.5°	4.2	8.5	12.7	12.7	12.7
175°	4.2	4.2	8.5	8.5	4.2
177.5°	4.2	4.2	4.2	4.2	4.2
180°	4.2	4.2	4.2	4.2	4.2

(END OF REPORT)