

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: P568004

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568004
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-L840-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

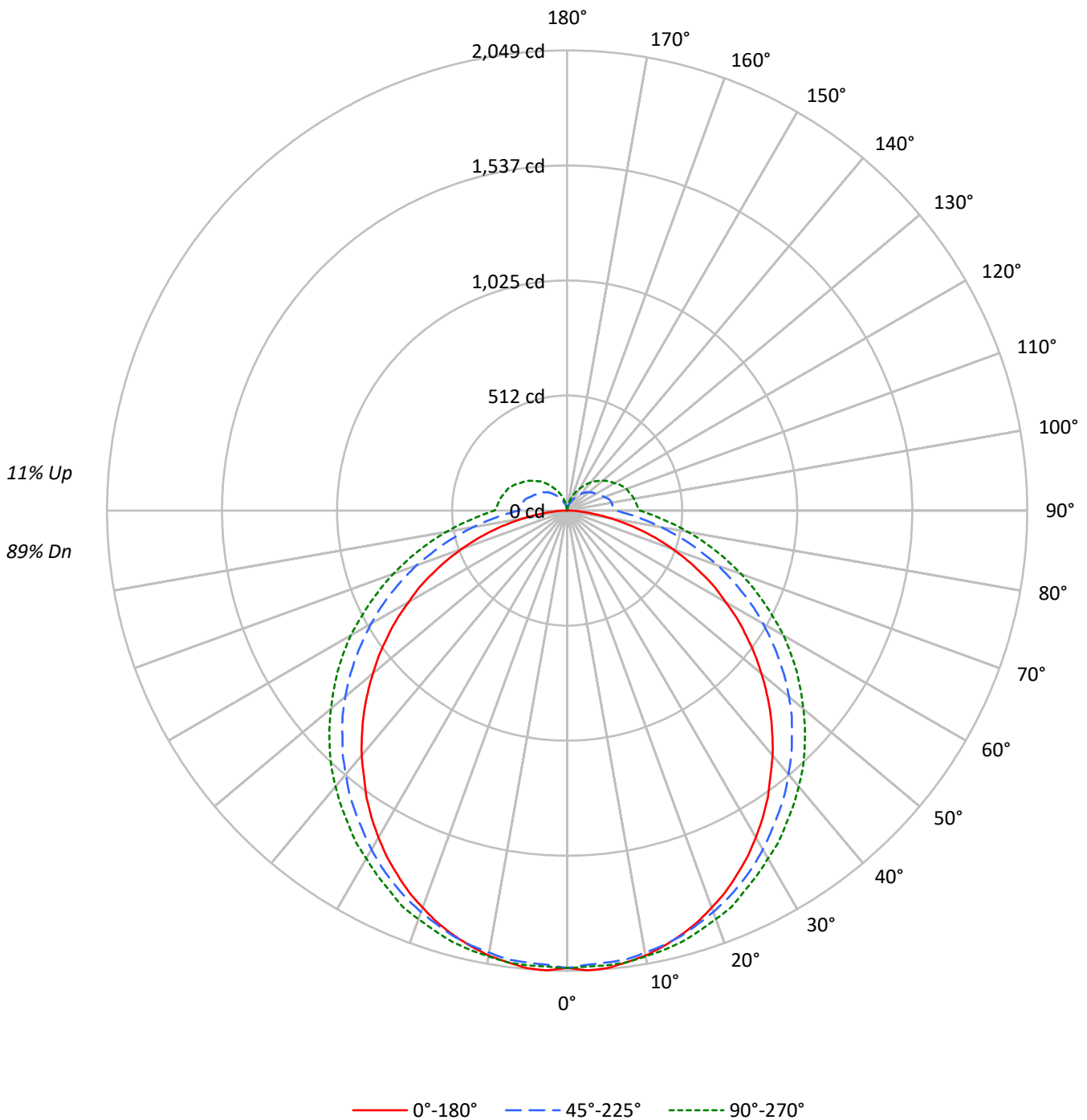
Lumens per Lamp: N/A
Luminaire Lumens: 7251.1 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	10962	10962	10962
5°	11039	10687	10671
10°	10973	10477	10407
15°	10874	10262	10164
20°	10735	10013	9893
25°	10573	9770	9610
30°	10378	9503	9330
35°	10163	9225	9067
40°	9916	8951	8815
45°	9649	8673	8543
50°	9343	8378	8239
55°	9009	8023	7939
60°	8615	7644	7606
65°	8213	7217	7185
70°	7647	6746	6774
75°	6895	6148	6318
80°	5655	5540	5870
85°	4173	5026	5409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.5	2.7
10°-20°	556.1	7.7
20°-30°	845.5	11.7
30°-40°	1026.4	14.2
40°-50°	1084.6	15.0
50°-60°	1014.9	14.0
60°-70°	832.7	11.5
70°-80°	572.8	7.9
80°-90°	313.7	4.3
90°-100°	202.0	2.8
100°-110°	181.3	2.5
110°-120°	150.0	2.1
120°-130°	115.5	1.6
130°-140°	81.2	1.1
140°-150°	48.9	0.7
150°-160°	23.4	0.3
160°-170°	7.7	0.1
170°-180°	0.9	0.0
0°-30°	1595.0	22.0
0°-40°	2621.4	36.2
0°-60°	4720.9	65.1
0°-90°	6440.1	88.8
90°-120°	533.3	7.4
90°-150°	778.9	10.7
90°-180°	811.0	11.2
0°-180°	7251.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2037	2037	2037	2037	2037	
5°	2045	2041	2020	2037	2033	194
15°	1957	1965	1961	1986	1986	552
25°	1789	1810	1831	1869	1869	824
35°	1558	1596	1642	1688	1701	973
45°	1281	1340	1415	1478	1495	987
55°	974	1054	1151	1222	1247	872
65°	659	748	861	941	966	653
75°	344	437	563	651	680	363
85°	76	181	307	391	420	87
90°	0	101	214	294	323	5
95°	0	97	206	281	311	0
105°	0	80	193	265	290	3
115°	4	71	164	235	265	4
125°	4	59	139	202	227	4
135°	4	46	113	164	185	3
145°	4	34	80	126	139	3
155°	4	21	50	80	92	2
165°	4	13	25	38	46	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°	2036.8	2036.8	2036.8	2036.8	2036.8
2.5°	2049.4	2045.2	2024.2	2041.0	2032.6
5°	2045.2	2041.0	2020.0	2036.8	2032.6
7.5°	2028.4	2028.4	2015.8	2032.6	2028.4
10°	2011.6	2011.6	1999.0	2020.0	2015.8
12.5°	1986.4	1990.6	1982.2	2007.4	2003.2
15°	1957.0	1965.4	1961.2	1986.4	1986.4
17.5°	1923.4	1931.8	1931.8	1961.2	1961.2
20°	1881.4	1894.0	1902.4	1936.0	1936.0
22.5°	1839.4	1856.2	1868.8	1898.2	1910.8
25°	1789.0	1810.0	1831.0	1868.8	1868.8
27.5°	1738.6	1763.8	1789.0	1826.8	1831.0
30°	1679.9	1709.3	1742.8	1780.6	1789.0
32.5°	1621.1	1658.9	1692.5	1738.6	1751.2
35°	1558.1	1595.9	1642.1	1688.3	1700.9
37.5°	1486.7	1532.9	1591.7	1642.1	1654.7
40°	1423.7	1474.1	1532.9	1591.7	1604.3
42.5°	1352.3	1406.9	1478.3	1532.9	1553.9
45°	1280.9	1339.7	1415.3	1478.3	1495.1
47.5°	1205.3	1272.5	1356.5	1415.3	1436.3
50°	1129.7	1201.1	1289.3	1356.5	1373.3
52.5°	1054.1	1129.7	1222.1	1289.3	1310.3
55°	974.3	1054.1	1150.7	1222.1	1247.3
57.5°	898.7	978.5	1079.3	1154.9	1180.1
60°	814.7	907.1	1007.9	1083.5	1112.9
62.5°	743.3	827.3	936.5	1012.1	1037.3
65°	659.3	747.5	860.9	940.7	965.9
67.5°	579.5	671.9	785.3	869.3	894.5
70°	499.8	592.1	713.9	793.7	823.1
72.5°	420.0	516.6	634.1	722.3	751.7
75°	344.4	436.8	562.8	650.9	680.3
77.5°	264.6	365.4	491.4	579.5	613.1
80°	193.2	298.2	424.2	512.4	546.0
82.5°	130.2	235.2	361.2	449.4	483.0
85°	75.6	180.6	306.6	390.6	420.0
87.5°	37.8	138.6	256.2	340.2	369.6
90°	0.0	100.8	214.2	294.0	323.4
92.5°	0.0	96.6	210.0	285.6	315.0
95°	0.0	96.6	205.8	281.4	310.8
97.5°	0.0	92.4	201.6	281.4	306.6
100°	0.0	88.2	201.6	277.2	302.4
102.5°	0.0	84.0	197.4	273.0	298.2
105°	0.0	79.8	193.2	264.6	289.8
107.5°	4.2	79.8	184.8	260.4	285.6
110°	4.2	75.6	176.4	256.2	281.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.2	71.4	168.0	247.8	273.0
115°	4.2	71.4	163.8	235.2	264.6
117.5°	4.2	67.2	155.4	226.8	256.2
120°	4.2	67.2	151.2	218.4	243.6
122.5°	4.2	63.0	142.8	210.0	235.2
125°	4.2	58.8	138.6	201.6	226.8
127.5°	4.2	54.6	134.4	193.2	218.4
130°	4.2	50.4	126.0	184.8	205.8
132.5°	4.2	50.4	121.8	172.2	197.4
135°	4.2	46.2	113.4	163.8	184.8
137.5°	4.2	42.0	105.0	155.4	176.4
140°	4.2	37.8	96.6	147.0	163.8
142.5°	4.2	37.8	88.2	134.4	151.2
145°	4.2	33.6	79.8	126.0	138.6
147.5°	4.2	29.4	71.4	113.4	126.0
150°	4.2	29.4	63.0	100.8	113.4
152.5°	4.2	25.2	54.6	92.4	105.0
155°	4.2	21.0	50.4	79.8	92.4
157.5°	4.2	21.0	42.0	67.2	79.8
160°	4.2	16.8	37.8	54.6	67.2
162.5°	4.2	16.8	33.6	46.2	58.8
165°	4.2	12.6	25.2	37.8	46.2
167.5°	4.2	12.6	21.0	29.4	37.8
170°	4.2	8.4	16.8	21.0	29.4
172.5°	4.2	8.4	12.6	12.6	12.6
175°	4.2	4.2	8.4	8.4	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)