

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: P568009

Luminaire Tested: **8SNX-74SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568009
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-L950-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

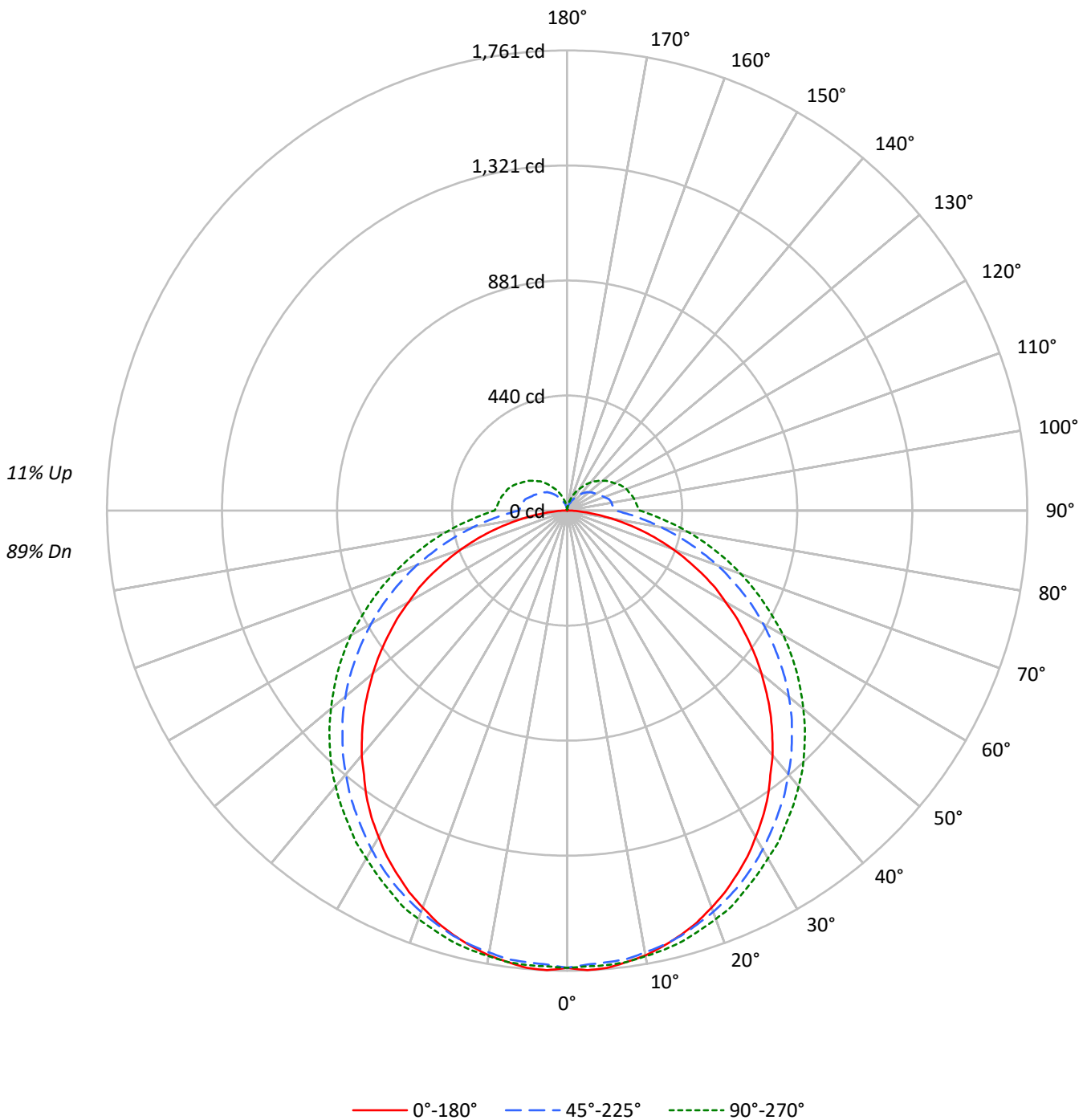
Lumens per Lamp: N/A
Luminaire Lumens: 6229.0 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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	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°	9417	9417	9417
5°	9484	9181	9167
10°	9427	9001	8940
15°	9341	8816	8731
20°	9222	8602	8499
25°	9083	8393	8255
30°	8915	8163	8015
35°	8731	7925	7789
40°	8518	7689	7572
45°	8289	7450	7339
50°	8027	7197	7077
55°	7739	6892	6820
60°	7401	6567	6533
65°	7056	6200	6173
70°	6568	5796	5819
75°	5922	5281	5427
80°	4859	4759	5042
85°	3583	4318	4647



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.2	2.7
10°-20°	477.7	7.7
20°-30°	726.4	11.7
30°-40°	881.7	14.2
40°-50°	931.7	15.0
50°-60°	871.9	14.0
60°-70°	715.4	11.5
70°-80°	492.0	7.9
80°-90°	269.5	4.3
90°-100°	173.5	2.8
100°-110°	155.7	2.5
110°-120°	128.9	2.1
120°-130°	99.2	1.6
130°-140°	69.7	1.1
140°-150°	42.0	0.7
150°-160°	20.1	0.3
160°-170°	6.6	0.1
170°-180°	0.8	0.0
0°-30°	1370.2	22.0
0°-40°	2251.9	36.2
0°-60°	4055.5	65.1
0°-90°	5532.4	88.8
90°-120°	458.1	7.4
90°-150°	669.1	10.7
90°-180°	697.0	11.2
0°-180°	6229.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1750	1750	1750	1750	1750	
5°	1757	1753	1735	1750	1746	167
15°	1681	1688	1685	1706	1706	474
25°	1537	1555	1573	1605	1605	708
35°	1338	1371	1411	1450	1461	836
45°	1100	1151	1216	1270	1284	848
55°	837	906	988	1050	1072	749
65°	566	642	740	808	830	561
75°	296	375	483	559	584	311
85°	65	155	263	336	361	75
90°	0	87	184	252	278	4
95°	0	83	177	242	267	0
105°	0	68	166	227	249	2
115°	4	61	141	202	227	4
125°	4	50	119	173	195	3
135°	4	40	97	141	159	3
145°	4	29	68	108	119	2
155°	4	18	43	68	79	2
165°	4	11	22	32	40	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	1760.6	1757.0	1738.9	1753.3	1746.1
5°	1757.0	1753.3	1735.3	1749.7	1746.1
7.5°	1742.5	1742.5	1731.7	1746.1	1742.5
10°	1728.1	1728.1	1717.3	1735.3	1731.7
12.5°	1706.4	1710.1	1702.8	1724.5	1720.9
15°	1681.2	1688.4	1684.8	1706.4	1706.4
17.5°	1652.3	1659.5	1659.5	1684.8	1684.8
20°	1616.3	1627.1	1634.3	1663.2	1663.2
22.5°	1580.2	1594.6	1605.4	1630.7	1641.5
25°	1536.9	1554.9	1573.0	1605.4	1605.4
27.5°	1493.6	1515.2	1536.9	1569.4	1573.0
30°	1443.1	1468.3	1497.2	1529.7	1536.9
32.5°	1392.6	1425.0	1453.9	1493.6	1504.4
35°	1338.5	1370.9	1410.6	1450.3	1461.1
37.5°	1277.1	1316.8	1367.3	1410.6	1421.4
40°	1223.0	1266.3	1316.8	1367.3	1378.1
42.5°	1161.7	1208.6	1269.9	1316.8	1334.9
45°	1100.4	1150.9	1215.8	1269.9	1284.3
47.5°	1035.4	1093.1	1165.3	1215.8	1233.8
50°	970.5	1031.8	1107.6	1165.3	1179.7
52.5°	905.5	970.5	1049.8	1107.6	1125.6
55°	837.0	905.5	988.5	1049.8	1071.5
57.5°	772.1	840.6	927.2	992.1	1013.8
60°	699.9	779.3	865.9	930.8	956.0
62.5°	638.6	710.7	804.5	869.5	891.1
65°	566.4	642.2	739.6	808.1	829.8
67.5°	497.9	577.2	674.6	746.8	768.4
70°	429.3	508.7	613.3	681.9	707.1
72.5°	360.8	443.7	544.8	620.5	645.8
75°	295.8	375.2	483.4	559.2	584.4
77.5°	227.3	313.9	422.1	497.9	526.7
80°	166.0	256.1	364.4	440.1	469.0
82.5°	111.8	202.0	310.3	386.0	414.9
85°	64.9	155.1	263.4	335.5	360.8
87.5°	32.5	119.1	220.1	292.2	317.5
90°	0.0	86.6	184.0	252.5	277.8
92.5°	0.0	83.0	180.4	245.3	270.6
95°	0.0	83.0	176.8	241.7	267.0
97.5°	0.0	79.4	173.2	241.7	263.4
100°	0.0	75.8	173.2	238.1	259.8
102.5°	0.0	72.2	169.6	234.5	256.1
105°	0.0	68.5	166.0	227.3	248.9
107.5°	3.6	68.5	158.7	223.7	245.3
110°	3.6	64.9	151.5	220.1	241.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	61.3	144.3	212.9	234.5
115°	3.6	61.3	140.7	202.0	227.3
117.5°	3.6	57.7	133.5	194.8	220.1
120°	3.6	57.7	129.9	187.6	209.2
122.5°	3.6	54.1	122.7	180.4	202.0
125°	3.6	50.5	119.1	173.2	194.8
127.5°	3.6	46.9	115.4	166.0	187.6
130°	3.6	43.3	108.2	158.7	176.8
132.5°	3.6	43.3	104.6	147.9	169.6
135°	3.6	39.7	97.4	140.7	158.7
137.5°	3.6	36.1	90.2	133.5	151.5
140°	3.6	32.5	83.0	126.3	140.7
142.5°	3.6	32.5	75.8	115.4	129.9
145°	3.6	28.9	68.5	108.2	119.1
147.5°	3.6	25.3	61.3	97.4	108.2
150°	3.6	25.3	54.1	86.6	97.4
152.5°	3.6	21.6	46.9	79.4	90.2
155°	3.6	18.0	43.3	68.5	79.4
157.5°	3.6	18.0	36.1	57.7	68.5
160°	3.6	14.4	32.5	46.9	57.7
162.5°	3.6	14.4	28.9	39.7	50.5
165°	3.6	10.8	21.6	32.5	39.7
167.5°	3.6	10.8	18.0	25.3	32.5
170°	3.6	7.2	14.4	18.0	25.3
172.5°	3.6	7.2	10.8	10.8	10.8
175°	3.6	3.6	7.2	7.2	3.6
177.5°	3.6	3.6	3.6	3.6	3.6
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)