

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: P568104

Luminaire Tested: **8SNX-90SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568104
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-90SL-SLW-UNV-L940-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

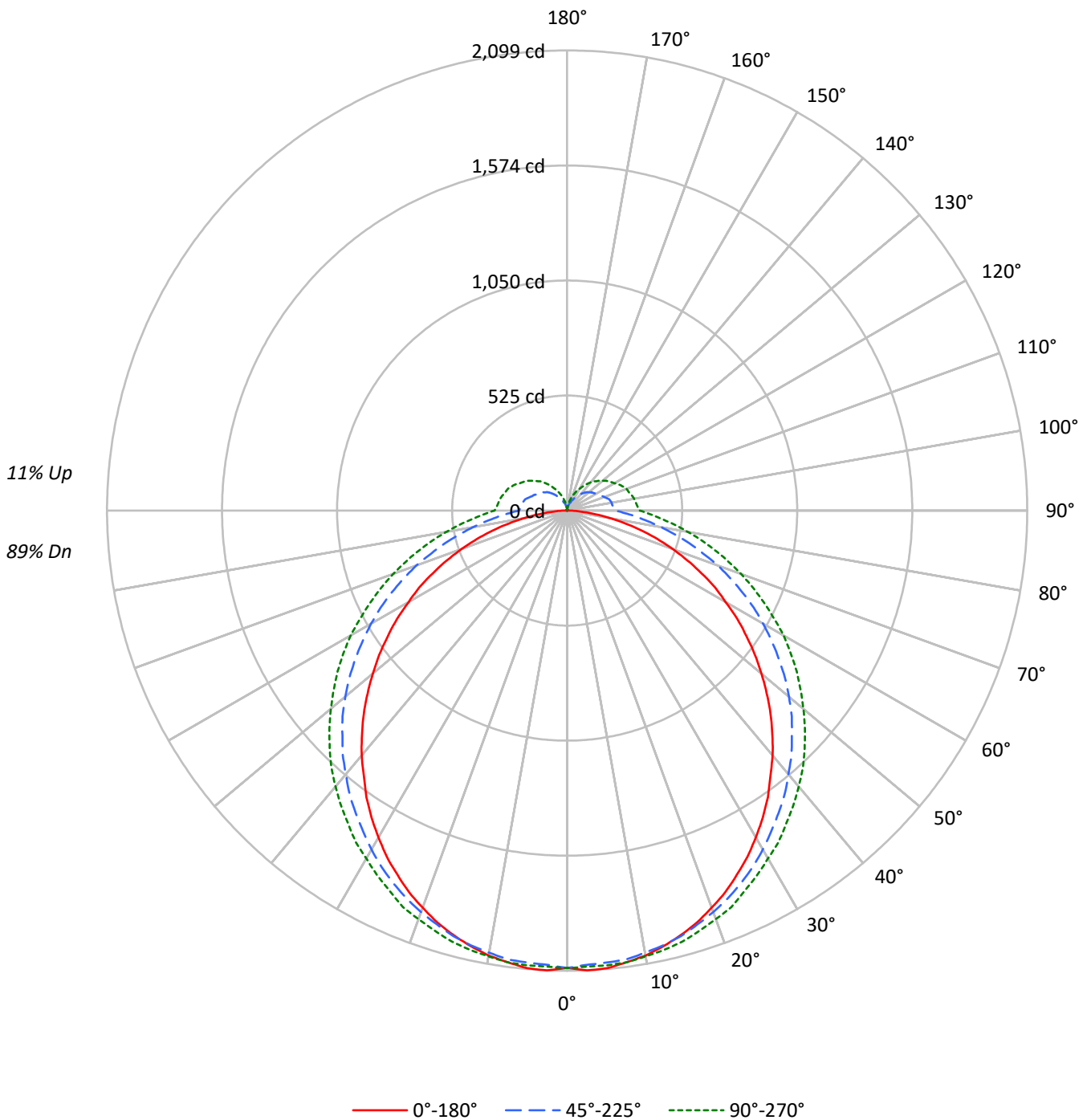
Lumens per Lamp: N/A
Luminaire Lumens: 7428.0 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 59.6
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	11229	11229	11229
5°	11309	10948	10932
10°	11241	10733	10661
15°	11139	10512	10412
20°	10997	10258	10134
25°	10831	10009	9845
30°	10631	9735	9557
35°	10411	9450	9289
40°	10158	9170	9030
45°	9885	8884	8752
50°	9572	8583	8440
55°	9229	8219	8133
60°	8825	7830	7792
65°	8414	7393	7361
70°	7833	6912	6939
75°	7063	6298	6472
80°	5793	5675	6013
85°	4273	5149	5540



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.2	2.7
10°-20°	569.6	7.7
20°-30°	866.2	11.7
30°-40°	1051.4	14.2
40°-50°	1111.1	15.0
50°-60°	1039.7	14.0
60°-70°	853.1	11.5
70°-80°	586.8	7.9
80°-90°	321.3	4.3
90°-100°	206.9	2.8
100°-110°	185.7	2.5
110°-120°	153.7	2.1
120°-130°	118.3	1.6
130°-140°	83.2	1.1
140°-150°	50.1	0.7
150°-160°	24.0	0.3
160°-170°	7.9	0.1
170°-180°	0.9	0.0
0°-30°	1634.0	22.0
0°-40°	2685.4	36.2
0°-60°	4836.2	65.1
0°-90°	6597.3	88.8
90°-120°	546.2	7.4
90°-150°	797.8	10.7
90°-180°	831.0	11.2
0°-180°	7428.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2086	2086	2086	2086	2086	
5°	2095	2091	2069	2086	2082	199
15°	2005	2013	2009	2035	2035	565
25°	1833	1854	1876	1914	1914	845
35°	1596	1635	1682	1730	1742	997
45°	1312	1372	1450	1514	1532	1011
55°	998	1080	1179	1252	1278	893
65°	675	766	882	964	990	669
75°	353	447	576	667	697	371
85°	77	185	314	400	430	89
90°	0	103	219	301	331	5
95°	0	99	211	288	318	0
105°	0	82	198	271	297	3
115°	4	73	168	241	271	4
125°	4	60	142	206	232	4
135°	4	47	116	168	189	3
145°	4	34	82	129	142	3
155°	4	22	52	82	95	2
165°	4	13	26	39	47	1
175°	4	4	9	9	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2086.5	2086.5	2086.5	2086.5	2086.5
2.5°	2099.4	2095.1	2073.6	2090.8	2082.2
5°	2095.1	2090.8	2069.3	2086.5	2082.2
7.5°	2077.9	2077.9	2065.0	2082.2	2077.9
10°	2060.7	2060.7	2047.8	2069.3	2065.0
12.5°	2034.9	2039.2	2030.6	2056.4	2052.1
15°	2004.8	2013.4	2009.1	2034.9	2034.9
17.5°	1970.4	1979.0	1979.0	2009.1	2009.1
20°	1927.4	1940.3	1948.9	1983.3	1983.3
22.5°	1884.3	1901.6	1914.5	1944.6	1957.5
25°	1832.7	1854.2	1875.7	1914.5	1914.5
27.5°	1781.1	1806.9	1832.7	1871.4	1875.7
30°	1720.9	1751.0	1785.4	1824.1	1832.7
32.5°	1660.6	1699.3	1733.8	1781.1	1794.0
35°	1596.1	1634.8	1682.1	1729.5	1742.4
37.5°	1523.0	1570.3	1630.5	1682.1	1695.0
40°	1458.4	1510.1	1570.3	1630.5	1643.4
42.5°	1385.3	1441.2	1514.4	1570.3	1591.8
45°	1312.2	1372.4	1449.8	1514.4	1531.6
47.5°	1234.7	1303.6	1389.6	1449.8	1471.3
50°	1157.3	1230.4	1320.8	1389.6	1406.8
52.5°	1079.8	1157.3	1251.9	1320.8	1342.3
55°	998.1	1079.8	1178.8	1251.9	1277.7
57.5°	920.7	1002.4	1105.7	1183.1	1208.9
60°	834.6	929.3	1032.5	1110.0	1140.1
62.5°	761.5	847.5	959.4	1036.8	1062.6
65°	675.4	765.8	881.9	963.7	989.5
67.5°	593.7	688.3	804.5	890.5	916.4
70°	512.0	606.6	731.4	813.1	843.2
72.5°	430.2	529.2	649.6	740.0	770.1
75°	352.8	447.4	576.5	666.8	696.9
77.5°	271.0	374.3	503.4	593.7	628.1
80°	197.9	305.5	434.5	524.9	559.3
82.5°	133.4	240.9	370.0	460.3	494.7
85°	77.4	185.0	314.1	400.1	430.2
87.5°	38.7	142.0	262.4	348.5	378.6
90°	0.0	103.3	219.4	301.2	331.3
92.5°	0.0	98.9	215.1	292.5	322.7
95°	0.0	98.9	210.8	288.2	318.4
97.5°	0.0	94.6	206.5	288.2	314.1
100°	0.0	90.3	206.5	283.9	309.8
102.5°	0.0	86.0	202.2	279.6	305.5
105°	0.0	81.7	197.9	271.0	296.8
107.5°	4.3	81.7	189.3	266.7	292.5
110°	4.3	77.4	180.7	262.4	288.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.3	73.1	172.1	253.8	279.6
115°	4.3	73.1	167.8	240.9	271.0
117.5°	4.3	68.8	159.2	232.3	262.4
120°	4.3	68.8	154.9	223.7	249.5
122.5°	4.3	64.5	146.3	215.1	240.9
125°	4.3	60.2	142.0	206.5	232.3
127.5°	4.3	55.9	137.7	197.9	223.7
130°	4.3	51.6	129.1	189.3	210.8
132.5°	4.3	51.6	124.8	176.4	202.2
135°	4.3	47.3	116.2	167.8	189.3
137.5°	4.3	43.0	107.6	159.2	180.7
140°	4.3	38.7	98.9	150.6	167.8
142.5°	4.3	38.7	90.3	137.7	154.9
145°	4.3	34.4	81.7	129.1	142.0
147.5°	4.3	30.1	73.1	116.2	129.1
150°	4.3	30.1	64.5	103.3	116.2
152.5°	4.3	25.8	55.9	94.6	107.6
155°	4.3	21.5	51.6	81.7	94.6
157.5°	4.3	21.5	43.0	68.8	81.7
160°	4.3	17.2	38.7	55.9	68.8
162.5°	4.3	17.2	34.4	47.3	60.2
165°	4.3	12.9	25.8	38.7	47.3
167.5°	4.3	12.9	21.5	30.1	38.7
170°	4.3	8.6	17.2	21.5	30.1
172.5°	4.3	8.6	12.9	12.9	12.9
175°	4.3	4.3	8.6	8.6	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)