

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: P568095

Luminaire Tested: **8SNX-90SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568095
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-LW-UNV-L935-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

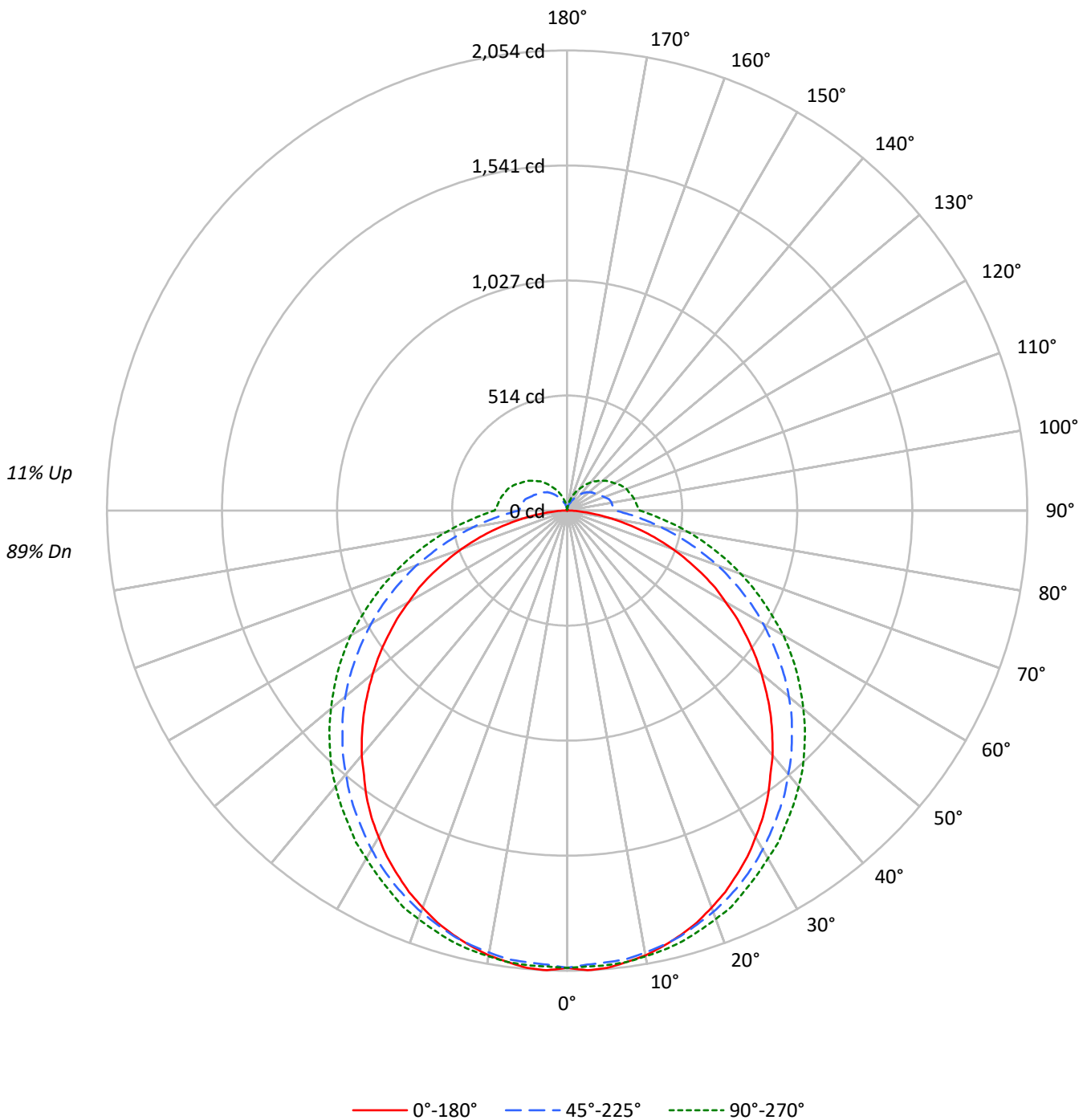
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7266.0 lumens
Efficiency: N/A
Efficacy: 121.9 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): 59.6
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°	10985	10985	10985
5°	11052	10490	10397
10°	10976	10083	9878
15°	10866	9688	9410
20°	10717	9277	8941
25°	10543	8882	8483
30°	10337	8475	8044
35°	10110	8066	7634
40°	9851	7665	7243
45°	9570	7263	6842
50°	9248	6849	6421
55°	8896	6386	6008
60°	8482	5902	5571
65°	8054	5379	5073
70°	7454	4820	4583
75°	6658	4167	4064
80°	5366	3506	3547
85°	3775	2893	3014



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.9	2.7
10°-20°	557.2	7.7
20°-30°	847.3	11.7
30°-40°	1028.5	14.2
40°-50°	1086.8	15.0
50°-60°	1017.0	14.0
60°-70°	834.5	11.5
70°-80°	573.9	7.9
80°-90°	314.3	4.3
90°-100°	202.4	2.8
100°-110°	181.6	2.5
110°-120°	150.3	2.1
120°-130°	115.8	1.6
130°-140°	81.3	1.1
140°-150°	49.0	0.7
150°-160°	23.5	0.3
160°-170°	7.7	0.1
170°-180°	0.9	0.0
0°-30°	1598.4	22.0
0°-40°	2626.9	36.2
0°-60°	4730.7	65.1
0°-90°	6453.4	88.8
90°-120°	534.3	7.4
90°-150°	780.5	10.7
90°-180°	813.0	11.2
0°-180°	7266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2041	2041	2041	2041	2041	
5°	2050	2045	2024	2041	2037	194
15°	1961	1970	1965	1990	1990	553
25°	1793	1814	1835	1873	1873	826
35°	1561	1599	1646	1692	1704	975
45°	1284	1342	1418	1481	1498	989
55°	976	1056	1153	1225	1250	874
65°	661	749	863	943	968	654
75°	345	438	564	652	682	363
85°	76	181	307	391	421	88
90°	0	101	215	295	324	5
95°	0	97	206	282	311	0
105°	0	80	194	265	290	3
115°	4	72	164	236	265	4
125°	4	59	139	202	227	4
135°	4	46	114	164	185	3
145°	4	34	80	126	139	3
155°	4	21	50	80	93	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°	2041.0	2041.0	2041.0	2041.0	2041.0
2.5°	2053.7	2049.5	2028.4	2045.2	2036.8
5°	2049.5	2045.2	2024.2	2041.0	2036.8
7.5°	2032.6	2032.6	2020.0	2036.8	2032.6
10°	2015.8	2015.8	2003.2	2024.2	2020.0
12.5°	1990.5	1994.7	1986.3	2011.6	2007.4
15°	1961.1	1969.5	1965.3	1990.5	1990.5
17.5°	1927.4	1935.8	1935.8	1965.3	1965.3
20°	1885.3	1898.0	1906.4	1940.0	1940.0
22.5°	1843.2	1860.1	1872.7	1902.2	1914.8
25°	1792.7	1813.8	1834.8	1872.7	1872.7
27.5°	1742.2	1767.5	1792.7	1830.6	1834.8
30°	1683.3	1712.8	1746.5	1784.3	1792.7
32.5°	1624.4	1662.3	1696.0	1742.2	1754.9
35°	1561.3	1599.2	1645.5	1691.7	1704.4
37.5°	1489.7	1536.0	1595.0	1645.5	1658.1
40°	1426.6	1477.1	1536.0	1595.0	1607.6
42.5°	1355.1	1409.8	1481.3	1536.0	1557.1
45°	1283.5	1342.5	1418.2	1481.3	1498.2
47.5°	1207.8	1275.1	1359.3	1418.2	1439.2
50°	1132.0	1203.6	1292.0	1359.3	1376.1
52.5°	1056.3	1132.0	1224.6	1292.0	1313.0
55°	976.3	1056.3	1153.1	1224.6	1249.9
57.5°	900.6	980.5	1081.5	1157.3	1182.5
60°	816.4	909.0	1010.0	1085.7	1115.2
62.5°	744.9	829.0	938.5	1014.2	1039.5
65°	660.7	749.1	862.7	942.7	967.9
67.5°	580.7	673.3	787.0	871.1	896.4
70°	500.8	593.4	715.4	795.4	824.8
72.5°	420.8	517.6	635.5	723.8	753.3
75°	345.1	437.7	563.9	652.3	681.7
77.5°	265.1	366.1	492.4	580.7	614.4
80°	193.6	298.8	425.0	513.4	547.1
82.5°	130.5	235.7	361.9	450.3	484.0
85°	75.7	181.0	307.2	391.4	420.8
87.5°	37.9	138.9	256.7	340.9	370.3
90°	0.0	101.0	214.6	294.6	324.0
92.5°	0.0	96.8	210.4	286.2	315.6
95°	0.0	96.8	206.2	282.0	311.4
97.5°	0.0	92.6	202.0	282.0	307.2
100°	0.0	88.4	202.0	277.7	303.0
102.5°	0.0	84.2	197.8	273.5	298.8
105°	0.0	80.0	193.6	265.1	290.4
107.5°	4.2	80.0	185.2	260.9	286.2
110°	4.2	75.7	176.7	256.7	282.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.2	71.5	168.3	248.3	273.5
115°	4.2	71.5	164.1	235.7	265.1
117.5°	4.2	67.3	155.7	227.2	256.7
120°	4.2	67.3	151.5	218.8	244.1
122.5°	4.2	63.1	143.1	210.4	235.7
125°	4.2	58.9	138.9	202.0	227.2
127.5°	4.2	54.7	134.7	193.6	218.8
130°	4.2	50.5	126.2	185.2	206.2
132.5°	4.2	50.5	122.0	172.5	197.8
135°	4.2	46.3	113.6	164.1	185.2
137.5°	4.2	42.1	105.2	155.7	176.7
140°	4.2	37.9	96.8	147.3	164.1
142.5°	4.2	37.9	88.4	134.7	151.5
145°	4.2	33.7	80.0	126.2	138.9
147.5°	4.2	29.5	71.5	113.6	126.2
150°	4.2	29.5	63.1	101.0	113.6
152.5°	4.2	25.2	54.7	92.6	105.2
155°	4.2	21.0	50.5	80.0	92.6
157.5°	4.2	21.0	42.1	67.3	80.0
160°	4.2	16.8	37.9	54.7	67.3
162.5°	4.2	16.8	33.7	46.3	58.9
165°	4.2	12.6	25.2	37.9	46.3
167.5°	4.2	12.6	21.0	29.5	37.9
170°	4.2	8.4	16.8	21.0	29.5
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)