

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: P568103

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568103
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-L935-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

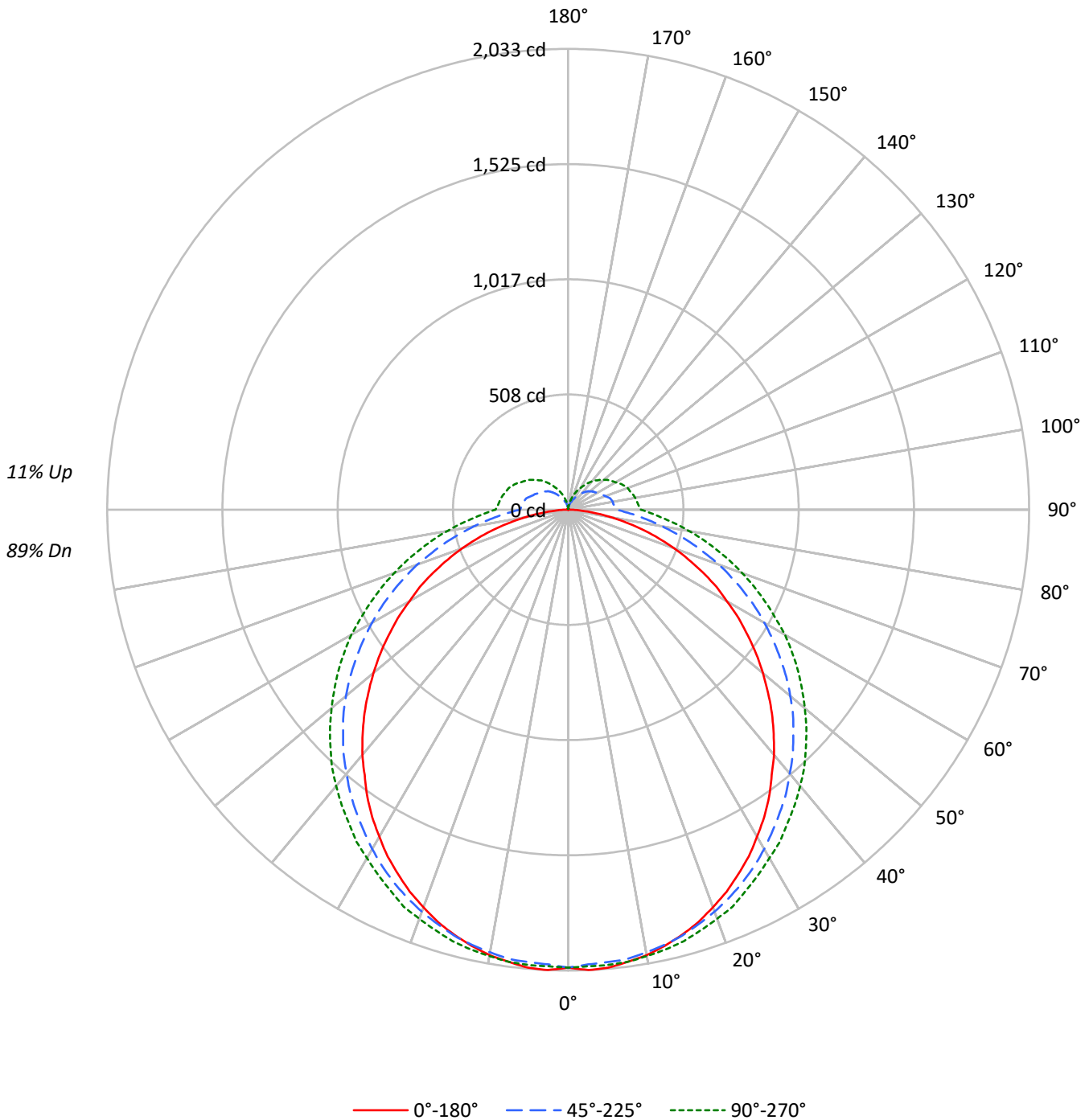
Lumens per Lamp: N/A
Luminaire Lumens: 7192.0 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 59.6
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P568103

CATALOG NUMBER: 8SNX-90SL-SLW-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P568103

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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°	10873	10873	10873
5°	10950	10600	10585
10°	10884	10392	10322
15°	10785	10179	10081
20°	10648	9932	9813
25°	10487	9691	9532
30°	10293	9426	9254
35°	10080	9150	8993
40°	9835	8878	8743
45°	9571	8602	8474
50°	9267	8310	8171
55°	8935	7958	7874
60°	8545	7582	7543
65°	8147	7158	7127
70°	7584	6692	6718
75°	6839	6098	6267
80°	5608	5495	5822
85°	4140	4985	5364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.9	2.7
10°-20°	551.5	7.7
20°-30°	838.6	11.7
30°-40°	1018.0	14.2
40°-50°	1075.8	15.0
50°-60°	1006.6	14.0
60°-70°	826.0	11.5
70°-80°	568.1	7.9
80°-90°	311.1	4.3
90°-100°	200.3	2.8
100°-110°	179.8	2.5
110°-120°	148.8	2.1
120°-130°	114.6	1.6
130°-140°	80.5	1.1
140°-150°	48.5	0.7
150°-160°	23.2	0.3
160°-170°	7.6	0.1
170°-180°	0.9	0.0
0°-30°	1582.1	22.0
0°-40°	2600.1	36.2
0°-60°	4682.5	65.1
0°-90°	6387.7	88.8
90°-120°	528.9	7.4
90°-150°	772.5	10.7
90°-180°	804.0	11.2
0°-180°	7192.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2020	2020	2020	2020	2020	
5°	2029	2024	2004	2020	2016	192
15°	1941	1949	1945	1970	1970	547
25°	1774	1795	1816	1854	1854	818
35°	1545	1583	1629	1674	1687	965
45°	1270	1329	1404	1466	1483	979
55°	966	1046	1141	1212	1237	865
65°	654	742	854	933	958	648
75°	342	433	558	646	675	360
85°	75	179	304	387	416	87
90°	0	100	212	292	321	5
95°	0	96	204	279	308	0
105°	0	79	192	262	287	3
115°	4	71	162	233	262	4
125°	4	58	138	200	225	4
135°	4	46	112	162	183	3
145°	4	33	79	125	138	3
155°	4	21	50	79	92	2
165°	4	12	25	38	46	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



TEST NUMBER: P568103

CATALOG NUMBER: 8SNX-90SL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2020.2	2020.2	2020.2	2020.2	2020.2
2.5°	2032.7	2028.6	2007.8	2024.4	2016.1
5°	2028.6	2024.4	2003.6	2020.2	2016.1
7.5°	2011.9	2011.9	1999.4	2016.1	2011.9
10°	1995.3	1995.3	1982.8	2003.6	1999.4
12.5°	1970.3	1974.4	1966.1	1991.1	1986.9
15°	1941.1	1949.4	1945.3	1970.3	1970.3
17.5°	1907.8	1916.1	1916.1	1945.3	1945.3
20°	1866.1	1878.6	1887.0	1920.3	1920.3
22.5°	1824.5	1841.1	1853.6	1882.8	1895.3
25°	1774.5	1795.3	1816.1	1853.6	1853.6
27.5°	1724.5	1749.5	1774.5	1812.0	1816.1
30°	1666.2	1695.3	1728.7	1766.2	1774.5
32.5°	1607.9	1645.4	1678.7	1724.5	1737.0
35°	1545.4	1582.9	1628.7	1674.5	1687.0
37.5°	1474.6	1520.4	1578.7	1628.7	1641.2
40°	1412.1	1462.1	1520.4	1578.7	1591.2
42.5°	1341.3	1395.4	1466.2	1520.4	1541.2
45°	1270.5	1328.8	1403.8	1466.2	1482.9
47.5°	1195.5	1262.1	1345.4	1403.8	1424.6
50°	1120.5	1191.3	1278.8	1345.4	1362.1
52.5°	1045.5	1120.5	1212.1	1278.8	1299.6
55°	966.4	1045.5	1141.3	1212.1	1237.1
57.5°	891.4	970.6	1070.5	1145.5	1170.5
60°	808.1	899.7	999.7	1074.7	1103.8
62.5°	737.3	820.6	928.9	1003.9	1028.9
65°	654.0	741.5	853.9	933.1	958.1
67.5°	574.8	666.5	778.9	862.3	887.2
70°	495.7	587.3	708.1	787.3	816.4
72.5°	416.5	512.4	629.0	716.5	745.6
75°	341.6	433.2	558.2	645.6	674.8
77.5°	262.4	362.4	487.4	574.8	608.2
80°	191.6	295.7	420.7	508.2	541.5
82.5°	129.1	233.3	358.2	445.7	479.0
85°	75.0	179.1	304.1	387.4	416.5
87.5°	37.5	137.5	254.1	337.4	366.6
90°	0.0	100.0	212.4	291.6	320.7
92.5°	0.0	95.8	208.3	283.3	312.4
95°	0.0	95.8	204.1	279.1	308.2
97.5°	0.0	91.6	199.9	279.1	304.1
100°	0.0	87.5	199.9	274.9	299.9
102.5°	0.0	83.3	195.8	270.8	295.7
105°	0.0	79.1	191.6	262.4	287.4
107.5°	4.2	79.1	183.3	258.3	283.3
110°	4.2	75.0	174.9	254.1	279.1



TEST NUMBER: P568103

CATALOG NUMBER: 8SNX-90SL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.2	70.8	166.6	245.8	270.8
115°	4.2	70.8	162.5	233.3	262.4
117.5°	4.2	66.6	154.1	224.9	254.1
120°	4.2	66.6	150.0	216.6	241.6
122.5°	4.2	62.5	141.6	208.3	233.3
125°	4.2	58.3	137.5	199.9	224.9
127.5°	4.2	54.2	133.3	191.6	216.6
130°	4.2	50.0	125.0	183.3	204.1
132.5°	4.2	50.0	120.8	170.8	195.8
135°	4.2	45.8	112.5	162.5	183.3
137.5°	4.2	41.7	104.1	154.1	174.9
140°	4.2	37.5	95.8	145.8	162.5
142.5°	4.2	37.5	87.5	133.3	150.0
145°	4.2	33.3	79.1	125.0	137.5
147.5°	4.2	29.2	70.8	112.5	125.0
150°	4.2	29.2	62.5	100.0	112.5
152.5°	4.2	25.0	54.2	91.6	104.1
155°	4.2	20.8	50.0	79.1	91.6
157.5°	4.2	20.8	41.7	66.6	79.1
160°	4.2	16.7	37.5	54.2	66.6
162.5°	4.2	16.7	33.3	45.8	58.3
165°	4.2	12.5	25.0	37.5	45.8
167.5°	4.2	12.5	20.8	29.2	37.5
170°	4.2	8.3	16.7	20.8	29.2
172.5°	4.2	8.3	12.5	12.5	12.5
175°	4.2	4.2	8.3	8.3	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)