

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: P568096

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568096
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-L940-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

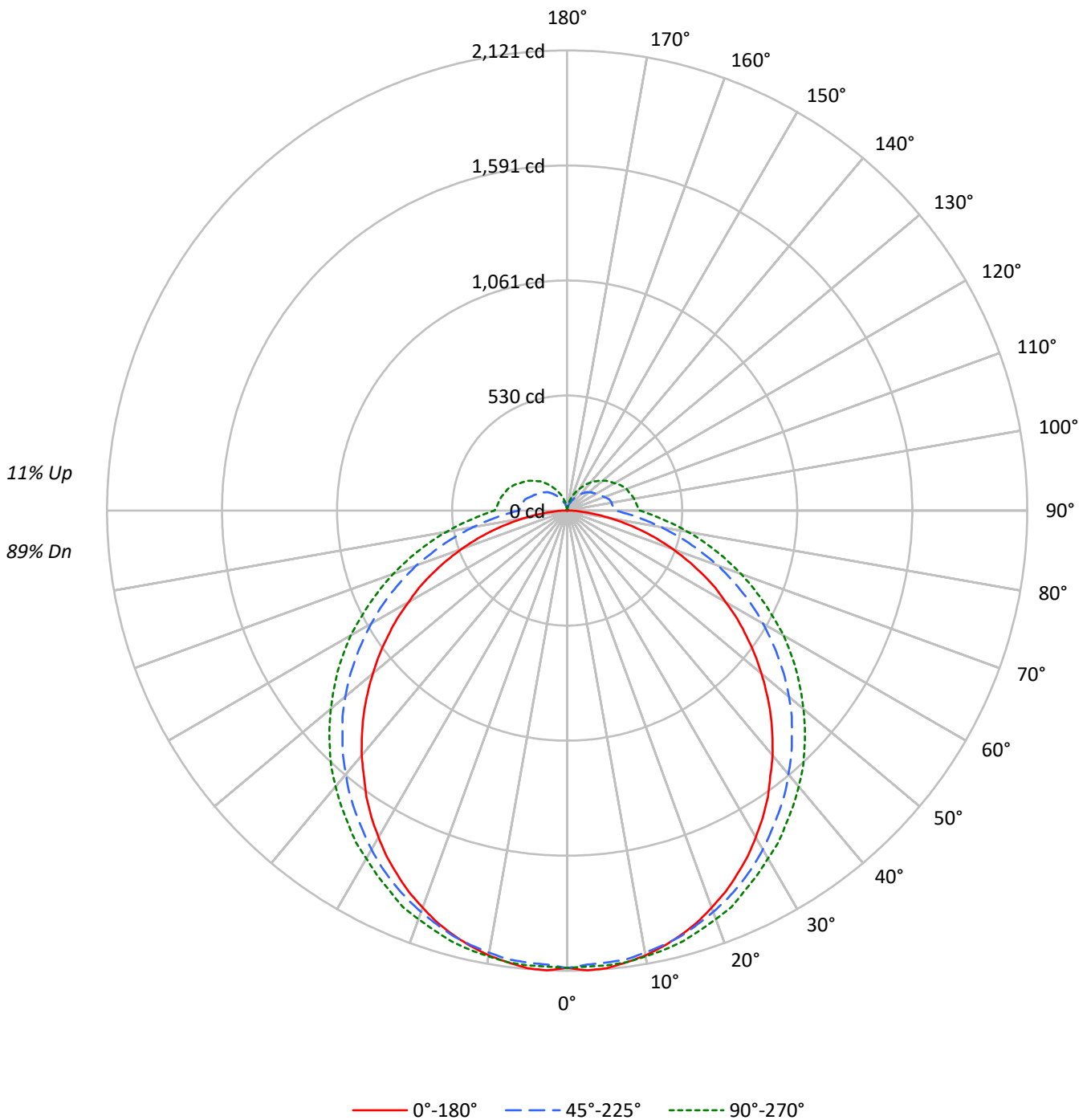
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7505.0 lumens
Efficiency: N/A
Efficacy: 125.9 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 (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	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°	11346	11346	11346
5°	11416	10835	10739
10°	11337	10415	10203
15°	11224	10007	9719
20°	11069	9582	9236
25°	10890	9175	8762
30°	10677	8754	8309
35°	10443	8331	7885
40°	10174	7917	7481
45°	9885	7502	7067
50°	9553	7075	6632
55°	9189	6596	6205
60°	8761	6096	5754
65°	8319	5556	5240
70°	7699	4978	4735
75°	6876	4304	4198
80°	5544	3621	3663
85°	3900	2988	3114



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.2	2.7
10°-20°	575.6	7.7
20°-30°	875.1	11.7
30°-40°	1062.3	14.2
40°-50°	1122.6	15.0
50°-60°	1050.5	14.0
60°-70°	861.9	11.5
70°-80°	592.8	7.9
80°-90°	324.6	4.3
90°-100°	209.1	2.8
100°-110°	187.6	2.5
110°-120°	155.3	2.1
120°-130°	119.6	1.6
130°-140°	84.0	1.1
140°-150°	50.6	0.7
150°-160°	24.2	0.3
160°-170°	8.0	0.1
170°-180°	0.9	0.0
0°-30°	1650.9	22.0
0°-40°	2713.3	36.2
0°-60°	4886.3	65.1
0°-90°	6665.7	88.8
90°-120°	551.9	7.4
90°-150°	806.1	10.7
90°-180°	839.0	11.2
0°-180°	7505.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2108	2108	2108	2108	2108	
5°	2117	2112	2091	2108	2104	201
15°	2026	2034	2030	2056	2056	571
25°	1852	1873	1895	1934	1934	853
35°	1613	1652	1700	1747	1760	1007
45°	1326	1387	1465	1530	1547	1022
55°	1008	1091	1191	1265	1291	902
65°	682	774	891	974	1000	676
75°	356	452	582	674	704	375
85°	78	187	317	404	435	90
90°	0	104	222	304	335	5
95°	0	100	213	291	322	0
105°	0	83	200	274	300	3
115°	4	74	170	243	274	4
125°	4	61	143	209	235	4
135°	4	48	117	170	191	3
145°	4	35	83	130	143	3
155°	4	22	52	83	96	2
165°	4	13	26	39	48	1
175°	4	4	9	9	4	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 8SNX-90SL-LW-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2108.2	2108.2	2108.2	2108.2	2108.2
2.5°	2121.2	2116.9	2095.1	2112.5	2103.8
5°	2116.9	2112.5	2090.8	2108.2	2103.8
7.5°	2099.5	2099.5	2086.4	2103.8	2099.5
10°	2082.1	2082.1	2069.1	2090.8	2086.4
12.5°	2056.0	2060.4	2051.7	2077.7	2073.4
15°	2025.6	2034.3	2029.9	2056.0	2056.0
17.5°	1990.8	1999.5	1999.5	2029.9	2029.9
20°	1947.3	1960.4	1969.1	2003.9	2003.9
22.5°	1903.9	1921.3	1934.3	1964.7	1977.8
25°	1851.7	1873.4	1895.2	1934.3	1934.3
27.5°	1799.6	1825.6	1851.7	1890.8	1895.2
30°	1738.7	1769.1	1803.9	1843.0	1851.7
32.5°	1677.8	1717.0	1751.7	1799.6	1812.6
35°	1612.6	1651.8	1699.6	1747.4	1760.4
37.5°	1538.7	1586.6	1647.4	1699.6	1712.6
40°	1473.5	1525.7	1586.6	1647.4	1660.5
42.5°	1399.7	1456.2	1530.1	1586.6	1608.3
45°	1325.8	1386.6	1464.9	1530.1	1547.4
47.5°	1247.5	1317.1	1404.0	1464.9	1486.6
50°	1169.3	1243.2	1334.5	1404.0	1421.4
52.5°	1091.0	1169.3	1264.9	1334.5	1356.2
55°	1008.4	1091.0	1191.0	1264.9	1291.0
57.5°	930.2	1012.8	1117.1	1195.4	1221.4
60°	843.3	938.9	1043.2	1121.5	1151.9
62.5°	769.4	856.3	969.3	1047.6	1073.6
65°	682.4	773.7	891.1	973.7	999.8
67.5°	599.9	695.5	812.8	899.8	925.9
70°	517.3	612.9	738.9	821.5	852.0
72.5°	434.7	534.6	656.4	747.6	778.1
75°	356.4	452.1	582.5	673.7	704.2
77.5°	273.8	378.2	508.6	599.9	634.6
80°	200.0	308.6	439.0	530.3	565.1
82.5°	134.7	243.4	373.8	465.1	499.9
85°	78.2	186.9	317.3	404.2	434.7
87.5°	39.1	143.4	265.2	352.1	382.5
90°	0.0	104.3	221.7	304.3	334.7
92.5°	0.0	100.0	217.3	295.6	326.0
95°	0.0	100.0	213.0	291.2	321.7
97.5°	0.0	95.6	208.6	291.2	317.3
100°	0.0	91.3	208.6	286.9	313.0
102.5°	0.0	86.9	204.3	282.5	308.6
105°	0.0	82.6	200.0	273.8	299.9
107.5°	4.3	82.6	191.3	269.5	295.6
110°	4.3	78.2	182.6	265.2	291.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.3	73.9	173.9	256.5	282.5
115°	4.3	73.9	169.5	243.4	273.8
117.5°	4.3	69.5	160.8	234.7	265.2
120°	4.3	69.5	156.5	226.0	252.1
122.5°	4.3	65.2	147.8	217.3	243.4
125°	4.3	60.9	143.4	208.6	234.7
127.5°	4.3	56.5	139.1	200.0	226.0
130°	4.3	52.2	130.4	191.3	213.0
132.5°	4.3	52.2	126.1	178.2	204.3
135°	4.3	47.8	117.4	169.5	191.3
137.5°	4.3	43.5	108.7	160.8	182.6
140°	4.3	39.1	100.0	152.1	169.5
142.5°	4.3	39.1	91.3	139.1	156.5
145°	4.3	34.8	82.6	130.4	143.4
147.5°	4.3	30.4	73.9	117.4	130.4
150°	4.3	30.4	65.2	104.3	117.4
152.5°	4.3	26.1	56.5	95.6	108.7
155°	4.3	21.7	52.2	82.6	95.6
157.5°	4.3	21.7	43.5	69.5	82.6
160°	4.3	17.4	39.1	56.5	69.5
162.5°	4.3	17.4	34.8	47.8	60.9
165°	4.3	13.0	26.1	39.1	47.8
167.5°	4.3	13.0	21.7	30.4	39.1
170°	4.3	8.7	17.4	21.7	30.4
172.5°	4.3	8.7	13.0	13.0	13.0
175°	4.3	4.3	8.7	8.7	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)