

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: P568092

Luminaire Tested: **8SNX-90SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568092
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-L840-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

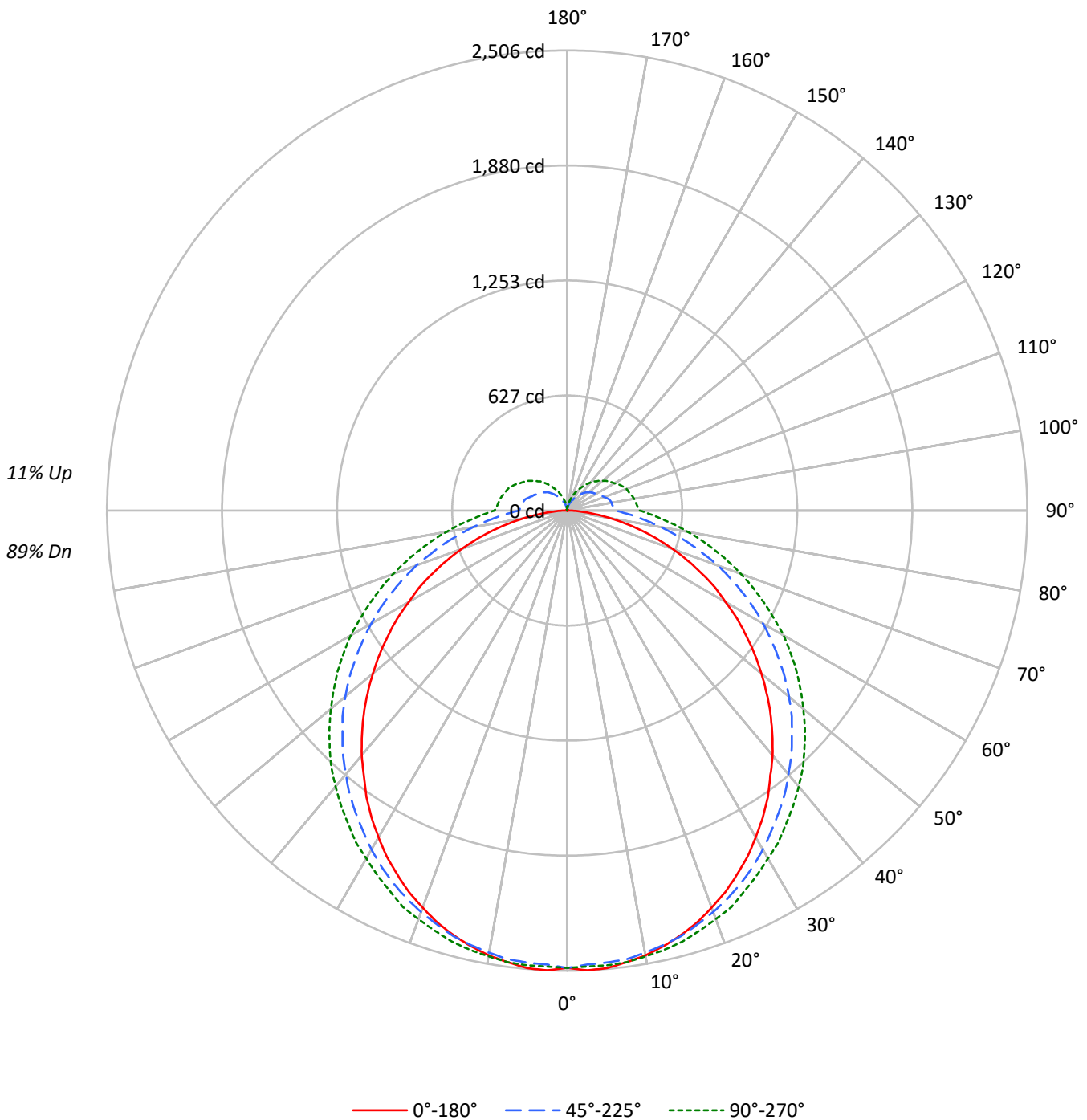
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8867.0 lumens
Efficiency: N/A
Efficacy: 148.8 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: 0.17')
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

TEST NUMBER: P568092
CATALOG NUMBER: 8SNX-90SL-LW-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P568092

CATALOG NUMBER: 8SNX-90SL-LW-UNV-L840-CD

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°	13405	13405	13405
5°	13487	12801	12688
10°	13394	12304	12055
15°	13260	11823	11483
20°	13078	11321	10912
25°	12867	10839	10353
30°	12614	10342	9817
35°	12338	9842	9316
40°	12021	9354	8839
45°	11679	8864	8349
50°	11287	8358	7835
55°	10857	7793	7332
60°	10351	7202	6798
65°	9829	6564	6191
70°	9096	5882	5594
75°	8125	5085	4960
80°	6547	4279	4328
85°	4608	3531	3679



TEST NUMBER: P568092

CATALOG NUMBER: 8SNX-90SL-LW-UNV-L840-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.6	2.7
10°-20°	680.0	7.7
20°-30°	1034.0	11.7
30°-40°	1255.1	14.2
40°-50°	1326.3	15.0
50°-60°	1241.1	14.0
60°-70°	1018.3	11.5
70°-80°	700.4	7.9
80°-90°	383.6	4.3
90°-100°	247.0	2.8
100°-110°	221.6	2.5
110°-120°	183.4	2.1
120°-130°	141.3	1.6
130°-140°	99.3	1.1
140°-150°	59.8	0.7
150°-160°	28.6	0.3
160°-170°	9.4	0.1
170°-180°	1.1	0.0
0°-30°	1950.5	22.0
0°-40°	3205.7	36.2
0°-60°	5773.1	65.1
0°-90°	7875.4	88.8
90°-120°	652.1	7.4
90°-150°	952.4	10.7
90°-180°	992.0	11.2
0°-180°	8867.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2491	2491	2491	2491	2491	
5°	2501	2496	2470	2491	2486	237
15°	2393	2404	2398	2429	2429	675
25°	2188	2213	2239	2285	2285	1008
35°	1905	1952	2008	2064	2080	1190
45°	1566	1638	1731	1808	1828	1207
55°	1192	1289	1407	1494	1525	1066
65°	806	914	1053	1150	1181	798
75°	421	534	688	796	832	443
85°	92	221	375	478	514	107
90°	0	123	262	360	395	6
95°	0	118	252	344	380	0
105°	0	98	236	324	354	3
115°	5	87	200	288	324	5
125°	5	72	170	246	277	5
135°	5	56	139	200	226	4
145°	5	41	98	154	170	3
155°	5	26	62	98	113	2
165°	5	15	31	46	56	1
175°	5	5	10	10	5	0
180°	5	5	5	5	5	



TEST NUMBER: P568092

CATALOG NUMBER: 8SNX-90SL-LW-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2490.8	2490.8	2490.8	2490.8	2490.8
2.5°	2506.2	2501.0	2475.4	2495.9	2485.6
5°	2501.0	2495.9	2470.2	2490.8	2485.6
7.5°	2480.5	2480.5	2465.1	2485.6	2480.5
10°	2459.9	2459.9	2444.5	2470.2	2465.1
12.5°	2429.1	2434.3	2424.0	2454.8	2449.7
15°	2393.2	2403.5	2398.3	2429.1	2429.1
17.5°	2352.1	2362.4	2362.4	2398.3	2398.3
20°	2300.7	2316.2	2326.4	2367.5	2367.5
22.5°	2249.4	2269.9	2285.3	2321.3	2336.7
25°	2187.8	2213.4	2239.1	2285.3	2285.3
27.5°	2126.1	2156.9	2187.8	2234.0	2239.1
30°	2054.2	2090.2	2131.3	2177.5	2187.8
32.5°	1982.3	2028.6	2069.6	2126.1	2141.5
35°	1905.3	1951.5	2008.0	2064.5	2079.9
37.5°	1818.0	1874.5	1946.4	2008.0	2023.4
40°	1741.0	1802.6	1874.5	1946.4	1961.8
42.5°	1653.7	1720.4	1807.7	1874.5	1900.2
45°	1566.4	1638.3	1730.7	1807.7	1828.3
47.5°	1473.9	1556.1	1658.8	1730.7	1756.4
50°	1381.5	1468.8	1576.6	1658.8	1679.3
52.5°	1289.0	1381.5	1494.5	1576.6	1602.3
55°	1191.5	1289.0	1407.2	1494.5	1525.3
57.5°	1099.0	1196.6	1319.8	1412.3	1443.1
60°	996.3	1109.3	1232.5	1325.0	1360.9
62.5°	909.0	1011.7	1145.2	1237.7	1268.5
65°	806.3	914.1	1052.8	1150.4	1181.2
67.5°	708.7	821.7	960.4	1063.1	1093.9
70°	611.1	724.1	873.1	970.6	1006.6
72.5°	513.6	631.7	775.5	883.3	919.3
75°	421.1	534.1	688.2	796.0	832.0
77.5°	323.5	446.8	600.9	708.7	749.8
80°	236.2	364.6	518.7	626.5	667.6
82.5°	159.2	287.6	441.7	549.5	590.6
85°	92.4	220.8	374.9	477.6	513.6
87.5°	46.2	169.5	313.3	416.0	451.9
90°	0.0	123.3	261.9	359.5	395.4
92.5°	0.0	118.1	256.8	349.2	385.2
95°	0.0	118.1	251.6	344.1	380.0
97.5°	0.0	113.0	246.5	344.1	374.9
100°	0.0	107.8	246.5	338.9	369.8
102.5°	0.0	102.7	241.4	333.8	364.6
105°	0.0	97.6	236.2	323.5	354.4
107.5°	5.1	97.6	226.0	318.4	349.2
110°	5.1	92.4	215.7	313.3	344.1



TEST NUMBER: P568092

CATALOG NUMBER: 8SNX-90SL-LW-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.1	87.3	205.4	303.0	333.8
115°	5.1	87.3	200.3	287.6	323.5
117.5°	5.1	82.2	190.0	277.3	313.3
120°	5.1	82.2	184.9	267.1	297.9
122.5°	5.1	77.0	174.6	256.8	287.6
125°	5.1	71.9	169.5	246.5	277.3
127.5°	5.1	66.8	164.3	236.2	267.1
130°	5.1	61.6	154.1	226.0	251.6
132.5°	5.1	61.6	148.9	210.6	241.4
135°	5.1	56.5	138.7	200.3	226.0
137.5°	5.1	51.4	128.4	190.0	215.7
140°	5.1	46.2	118.1	179.7	200.3
142.5°	5.1	46.2	107.8	164.3	184.9
145°	5.1	41.1	97.6	154.1	169.5
147.5°	5.1	35.9	87.3	138.7	154.1
150°	5.1	35.9	77.0	123.3	138.7
152.5°	5.1	30.8	66.8	113.0	128.4
155°	5.1	25.7	61.6	97.6	113.0
157.5°	5.1	25.7	51.4	82.2	97.6
160°	5.1	20.5	46.2	66.8	82.2
162.5°	5.1	20.5	41.1	56.5	71.9
165°	5.1	15.4	30.8	46.2	56.5
167.5°	5.1	15.4	25.7	35.9	46.2
170°	5.1	10.3	20.5	25.7	35.9
172.5°	5.1	10.3	15.4	15.4	15.4
175°	5.1	5.1	10.3	10.3	5.1
177.5°	5.1	5.1	5.1	5.1	5.1
180°	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)