

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: P568073

Luminaire Tested: **8SNX-90SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-90SL-FDL-UNV-L950-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

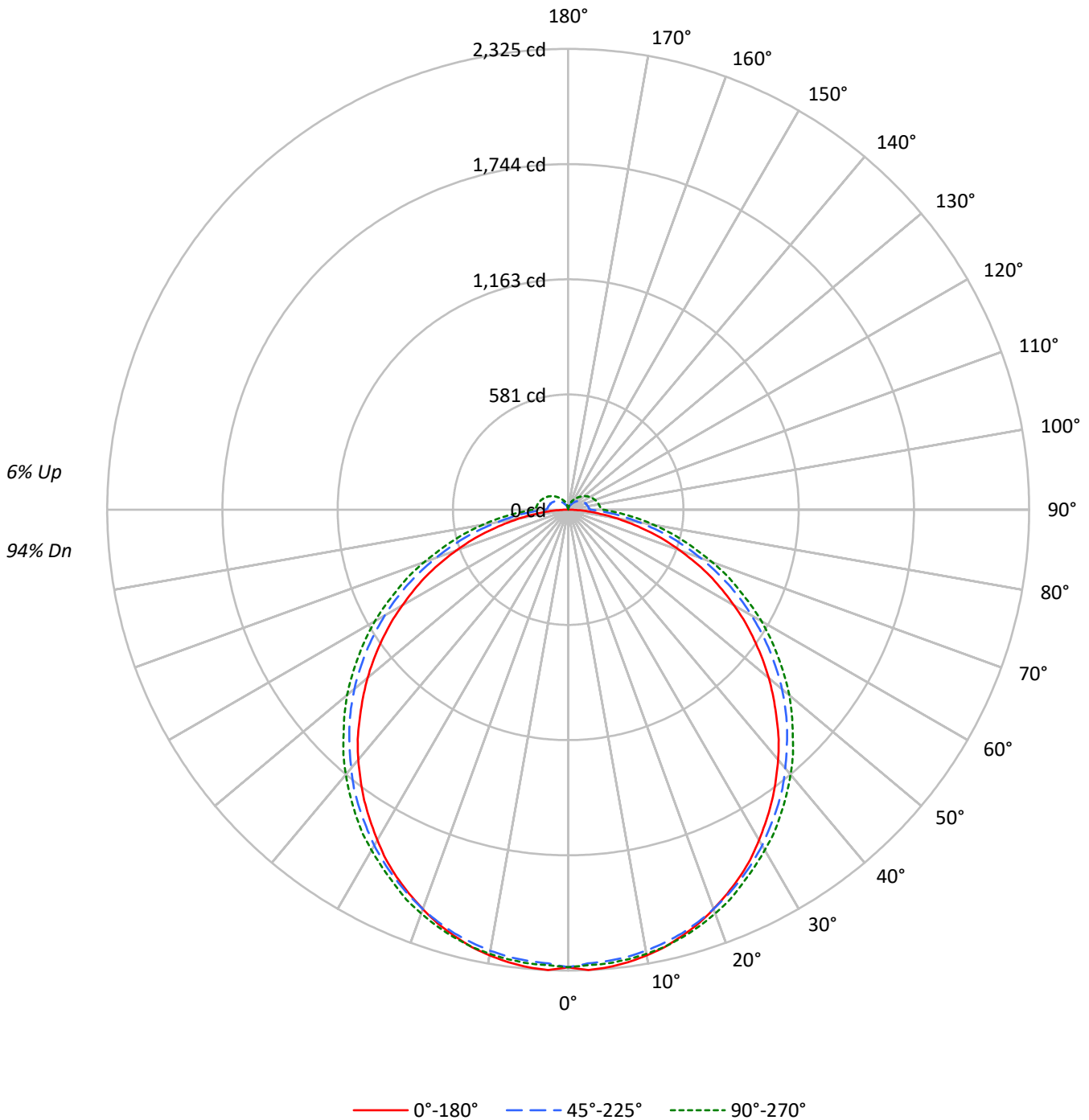
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7335.1 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12423	12423	12423
5°	12514	12221	12235
10°	12468	12092	12082
15°	12381	11944	11909
20°	12259	11762	11706
25°	12119	11563	11466
30°	11927	11360	11245
35°	11734	11121	11012
40°	11521	10857	10752
45°	11252	10596	10449
50°	10992	10297	10171
55°	10671	9929	9785
60°	10309	9506	9407
65°	9929	9002	8883
70°	9269	8366	8342
75°	8479	7619	7693
80°	7312	6625	6974
85°	5904	5774	6130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.9	3.0
10°-20°	628.1	8.6
20°-30°	951.9	13.0
30°-40°	1149.1	15.7
40°-50°	1200.0	16.4
50°-60°	1102.4	15.0
60°-70°	871.8	11.9
70°-80°	551.7	7.5
80°-90°	237.2	3.2
90°-100°	104.4	1.4
100°-110°	93.4	1.3
110°-120°	78.9	1.1
120°-130°	61.5	0.8
130°-140°	42.6	0.6
140°-150°	25.6	0.3
150°-160°	12.5	0.2
160°-170°	4.3	0.1
170°-180°	0.6	0.0
0°-30°	1799.0	24.5
0°-40°	2948.1	40.2
0°-60°	5250.5	71.6
0°-90°	6911.2	94.2
90°-120°	276.8	3.8
90°-150°	406.4	5.5
90°-180°	424.0	5.8
0°-180°	7335.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2308	2308	2308	2308	2308	
5°	2317	2311	2286	2306	2298	220
15°	2225	2225	2213	2237	2233	628
25°	2046	2055	2058	2085	2081	942
35°	1792	1813	1837	1865	1872	1121
45°	1486	1522	1561	1591	1602	1148
55°	1146	1192	1242	1282	1291	1025
65°	788	833	891	933	947	776
75°	416	465	533	578	600	441
85°	101	156	223	272	288	112
90°	6	56	114	160	177	9
95°	1	48	104	146	161	1
105°	1	44	97	136	151	1
115°	1	38	88	123	136	1
125°	3	34	74	106	118	2
135°	3	26	60	84	95	2
145°	3	20	42	64	70	2
155°	3	13	27	40	48	1
165°	4	9	14	20	27	1
175°	4	5	6	6	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2308.2	2308.2	2308.2	2308.2	2308.2
2.5°	2325.1	2317.3	2291.3	2309.5	2300.4
5°	2317.3	2310.8	2286.1	2305.6	2297.8
7.5°	2303.0	2297.8	2275.7	2296.5	2288.7
10°	2283.5	2279.6	2260.1	2280.9	2275.7
12.5°	2258.8	2257.5	2238.0	2261.4	2257.5
15°	2225.1	2225.1	2213.4	2236.7	2232.8
17.5°	2188.7	2190.0	2180.9	2205.6	2203.0
20°	2144.5	2151.0	2144.5	2170.5	2167.9
22.5°	2096.5	2105.6	2103.0	2128.9	2130.2
25°	2045.8	2054.9	2057.5	2084.8	2080.9
27.5°	1990.0	2004.2	2009.4	2034.1	2032.8
30°	1925.0	1944.5	1956.2	1977.0	1983.5
32.5°	1858.8	1882.1	1896.4	1925.0	1932.8
35°	1792.5	1813.3	1836.7	1865.3	1871.7
37.5°	1719.8	1743.2	1774.3	1801.6	1809.4
40°	1647.0	1673.0	1702.9	1732.8	1744.5
42.5°	1571.7	1599.0	1631.4	1666.5	1678.2
45°	1486.0	1522.3	1561.3	1591.2	1601.6
47.5°	1404.1	1444.4	1486.0	1518.4	1530.1
50°	1321.0	1363.9	1408.0	1437.9	1456.1
52.5°	1234.0	1280.7	1324.9	1362.6	1374.3
55°	1145.7	1192.4	1241.8	1282.0	1291.1
57.5°	1059.9	1105.4	1154.7	1192.4	1210.6
60°	966.4	1015.8	1069.0	1106.7	1126.2
62.5°	875.5	923.5	980.7	1021.0	1036.5
65°	788.4	832.6	891.1	932.6	946.9
67.5°	692.3	743.0	798.8	846.9	865.1
70°	597.5	645.6	709.2	754.7	772.9
72.5°	509.2	555.9	619.6	665.0	681.9
75°	415.7	465.0	532.6	578.0	600.1
77.5°	326.0	380.6	445.5	494.9	519.6
80°	242.9	291.0	361.1	415.7	437.7
82.5°	165.0	216.9	289.7	340.3	365.0
85°	101.3	155.9	223.4	271.5	288.4
87.5°	48.1	100.0	162.4	209.1	229.9
90°	6.5	55.9	114.3	159.8	176.7
92.5°	1.3	48.1	105.2	148.1	163.7
95°	1.3	48.1	103.9	145.5	161.1
97.5°	1.3	46.8	102.6	144.2	158.5
100°	1.3	45.5	101.3	141.6	157.2
102.5°	1.3	45.5	98.7	139.0	153.3
105°	1.3	44.2	97.4	136.4	150.7
107.5°	1.3	42.9	94.8	133.8	148.1
110°	1.3	40.3	93.5	129.9	144.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	39.0	90.9	127.3	140.3
115°	1.3	37.7	88.3	123.4	136.4
117.5°	1.3	36.4	84.4	119.5	132.5
120°	2.6	36.4	81.8	115.6	127.3
122.5°	2.6	35.1	77.9	110.4	122.1
125°	2.6	33.8	74.0	106.5	118.2
127.5°	2.6	32.5	70.1	101.3	111.7
130°	2.6	29.9	67.5	96.1	106.5
132.5°	2.6	28.6	63.6	89.6	100.0
135°	2.6	26.0	59.8	84.4	94.8
137.5°	2.6	24.7	55.9	79.2	88.3
140°	2.6	23.4	50.7	74.0	83.1
142.5°	2.6	20.8	46.8	68.8	76.6
145°	2.6	19.5	41.6	63.6	70.1
147.5°	2.6	16.9	37.7	58.5	64.9
150°	2.6	15.6	33.8	53.3	59.8
152.5°	2.6	14.3	29.9	46.8	53.3
155°	2.6	13.0	27.3	40.3	48.1
157.5°	2.6	11.7	23.4	35.1	42.9
160°	3.9	10.4	20.8	29.9	36.4
162.5°	3.9	9.1	16.9	24.7	32.5
165°	3.9	9.1	14.3	19.5	27.3
167.5°	3.9	7.8	11.7	15.6	22.1
170°	3.9	6.5	10.4	11.7	16.9
172.5°	3.9	5.2	7.8	7.8	9.1
175°	3.9	5.2	6.5	6.5	3.9
177.5°	3.9	3.9	3.9	3.9	2.6
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)