

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: P568151

Luminaire Tested: **8SNX-96SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568151
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-96SL-SLW-UNV-L935-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

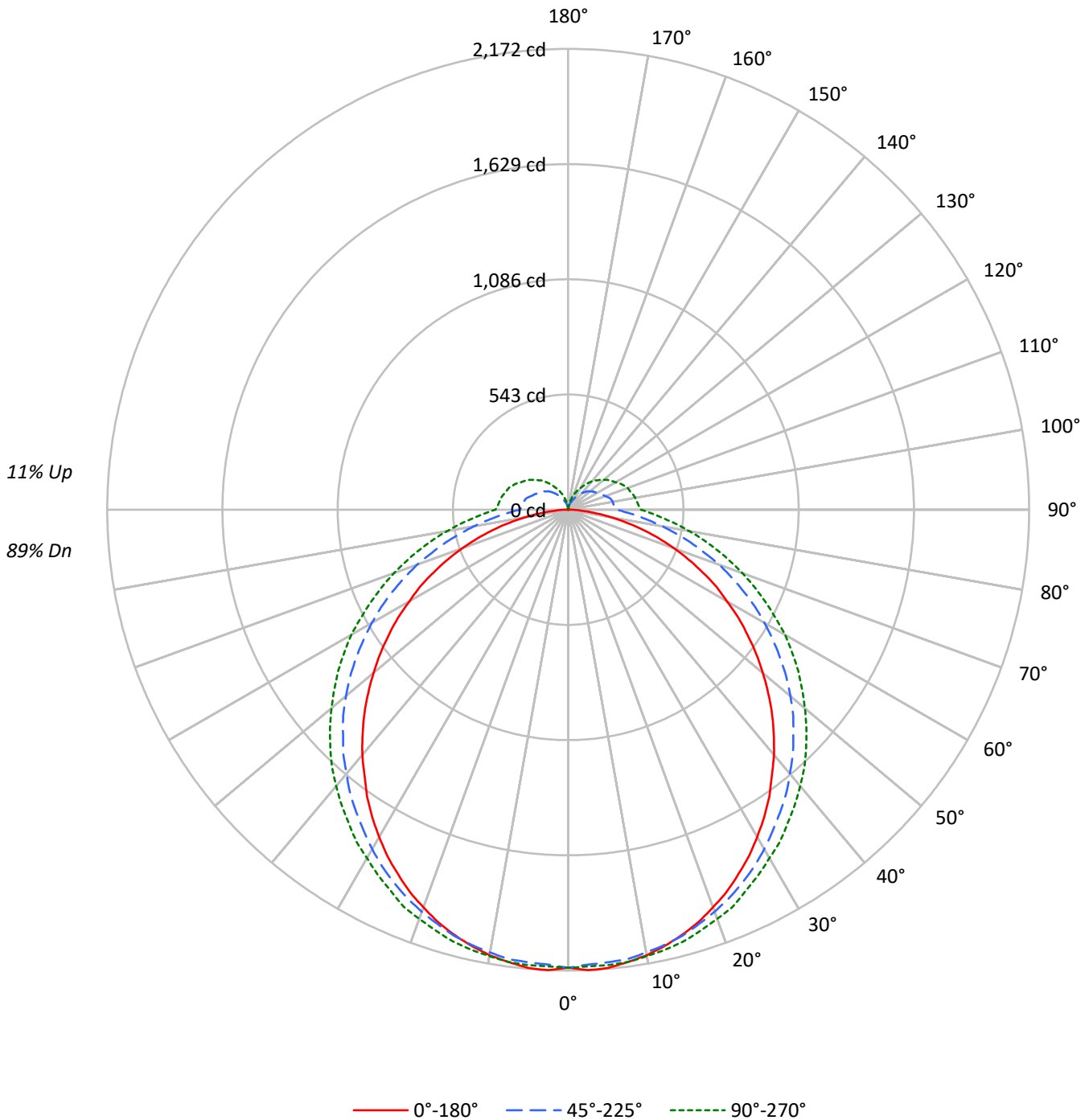
Lumens per Lamp: N/A
Luminaire Lumens: 7686.1 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 64.2
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°	11620	11620	11620
5°	11701	11328	11312
10°	11632	11106	11032
15°	11526	10878	10774
20°	11379	10614	10487
25°	11207	10357	10187
30°	11000	10073	9890
35°	10772	9778	9611
40°	10511	9488	9344
45°	10228	9193	9056
50°	9904	8880	8733
55°	9549	8504	8415
60°	9132	8103	8062
65°	8707	7650	7616
70°	8104	7152	7180
75°	7307	6516	6698
80°	5995	5872	6222
85°	4422	5327	5734



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.1	2.7
10°-20°	589.4	7.7
20°-30°	896.3	11.7
30°-40°	1088.0	14.2
40°-50°	1149.7	15.0
50°-60°	1075.8	14.0
60°-70°	882.7	11.5
70°-80°	607.1	7.9
80°-90°	332.5	4.3
90°-100°	214.1	2.8
100°-110°	192.1	2.5
110°-120°	159.0	2.1
120°-130°	122.5	1.6
130°-140°	86.0	1.1
140°-150°	51.9	0.7
150°-160°	24.8	0.3
160°-170°	8.2	0.1
170°-180°	1.0	0.0
0°-30°	1690.8	22.0
0°-40°	2778.7	36.2
0°-60°	5004.2	65.1
0°-90°	6826.5	88.8
90°-120°	565.3	7.4
90°-150°	825.6	10.7
90°-180°	860.0	11.2
0°-180°	7686.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2159	2159	2159	2159	2159	
5°	2168	2164	2141	2159	2155	206
15°	2074	2083	2079	2106	2106	585
25°	1896	1919	1941	1981	1981	874
35°	1652	1692	1741	1790	1803	1032
45°	1358	1420	1500	1567	1585	1046
55°	1033	1117	1220	1295	1322	924
65°	699	792	913	997	1024	692
75°	365	463	596	690	721	384
85°	80	191	325	414	445	93
90°	0	107	227	312	343	5
95°	0	102	218	298	329	0
105°	0	85	205	280	307	3
115°	4	76	174	249	280	4
125°	4	62	147	214	240	4
135°	4	49	120	174	196	3
145°	4	36	85	134	147	3
155°	4	22	53	85	98	2
165°	4	13	27	40	49	1
175°	4	4	9	9	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2159.0	2159.0	2159.0	2159.0	2159.0
2.5°	2172.4	2167.9	2145.7	2163.5	2154.6
5°	2167.9	2163.5	2141.2	2159.0	2154.6
7.5°	2150.1	2150.1	2136.8	2154.6	2150.1
10°	2132.3	2132.3	2119.0	2141.2	2136.8
12.5°	2105.6	2110.0	2101.1	2127.9	2123.4
15°	2074.4	2083.3	2078.9	2105.6	2105.6
17.5°	2038.8	2047.7	2047.7	2078.9	2078.9
20°	1994.3	2007.7	2016.6	2052.2	2052.2
22.5°	1949.8	1967.6	1981.0	2012.1	2025.5
25°	1896.4	1918.6	1940.9	1981.0	1981.0
27.5°	1843.0	1869.7	1896.4	1936.4	1940.9
30°	1780.6	1811.8	1847.4	1887.5	1896.4
32.5°	1718.3	1758.4	1794.0	1843.0	1856.3
35°	1651.5	1691.6	1740.6	1789.5	1802.9
37.5°	1575.9	1624.8	1687.1	1740.6	1753.9
40°	1509.1	1562.5	1624.8	1687.1	1700.5
42.5°	1433.4	1491.3	1567.0	1624.8	1647.1
45°	1357.7	1420.1	1500.2	1567.0	1584.8
47.5°	1277.6	1348.8	1437.9	1500.2	1522.4
50°	1197.5	1273.2	1366.6	1437.9	1455.7
52.5°	1117.3	1197.5	1295.4	1366.6	1388.9
55°	1032.8	1117.3	1219.7	1295.4	1322.1
57.5°	952.6	1037.2	1144.1	1224.2	1250.9
60°	863.6	961.5	1068.4	1148.5	1179.7
62.5°	787.9	877.0	992.7	1072.8	1099.5
65°	698.9	792.4	912.6	997.2	1023.9
67.5°	614.3	712.3	832.4	921.5	948.2
70°	529.7	627.7	756.8	841.3	872.5
72.5°	445.2	547.5	672.2	765.7	796.8
75°	365.0	463.0	596.5	690.0	721.2
77.5°	280.4	387.3	520.8	614.3	649.9
80°	204.8	316.1	449.6	543.1	578.7
82.5°	138.0	249.3	382.8	476.3	511.9
85°	80.1	191.4	325.0	414.0	445.2
87.5°	40.1	146.9	271.5	360.6	391.7
90°	0.0	106.8	227.0	311.6	342.8
92.5°	0.0	102.4	222.6	302.7	333.9
95°	0.0	102.4	218.1	298.3	329.4
97.5°	0.0	97.9	213.7	298.3	325.0
100°	0.0	93.5	213.7	293.8	320.5
102.5°	0.0	89.0	209.2	289.4	316.1
105°	0.0	84.6	204.8	280.4	307.2
107.5°	4.5	84.6	195.9	276.0	302.7
110°	4.5	80.1	187.0	271.5	298.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.5	75.7	178.1	262.6	289.4
115°	4.5	75.7	173.6	249.3	280.4
117.5°	4.5	71.2	164.7	240.4	271.5
120°	4.5	71.2	160.3	231.5	258.2
122.5°	4.5	66.8	151.4	222.6	249.3
125°	4.5	62.3	146.9	213.7	240.4
127.5°	4.5	57.9	142.5	204.8	231.5
130°	4.5	53.4	133.5	195.9	218.1
132.5°	4.5	53.4	129.1	182.5	209.2
135°	4.5	49.0	120.2	173.6	195.9
137.5°	4.5	44.5	111.3	164.7	187.0
140°	4.5	40.1	102.4	155.8	173.6
142.5°	4.5	40.1	93.5	142.5	160.3
145°	4.5	35.6	84.6	133.5	146.9
147.5°	4.5	31.2	75.7	120.2	133.5
150°	4.5	31.2	66.8	106.8	120.2
152.5°	4.5	26.7	57.9	97.9	111.3
155°	4.5	22.3	53.4	84.6	97.9
157.5°	4.5	22.3	44.5	71.2	84.6
160°	4.5	17.8	40.1	57.9	71.2
162.5°	4.5	17.8	35.6	49.0	62.3
165°	4.5	13.4	26.7	40.1	49.0
167.5°	4.5	13.4	22.3	31.2	40.1
170°	4.5	8.9	17.8	22.3	31.2
172.5°	4.5	8.9	13.4	13.4	13.4
175°	4.5	4.5	8.9	8.9	4.5
177.5°	4.5	4.5	4.5	4.5	4.5
180°	4.5	4.5	4.5	4.5	4.5

(END OF REPORT)