

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: P567183

Luminaire Tested: **8SNX-102SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567183
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-102SL-LW-UNV-L935-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

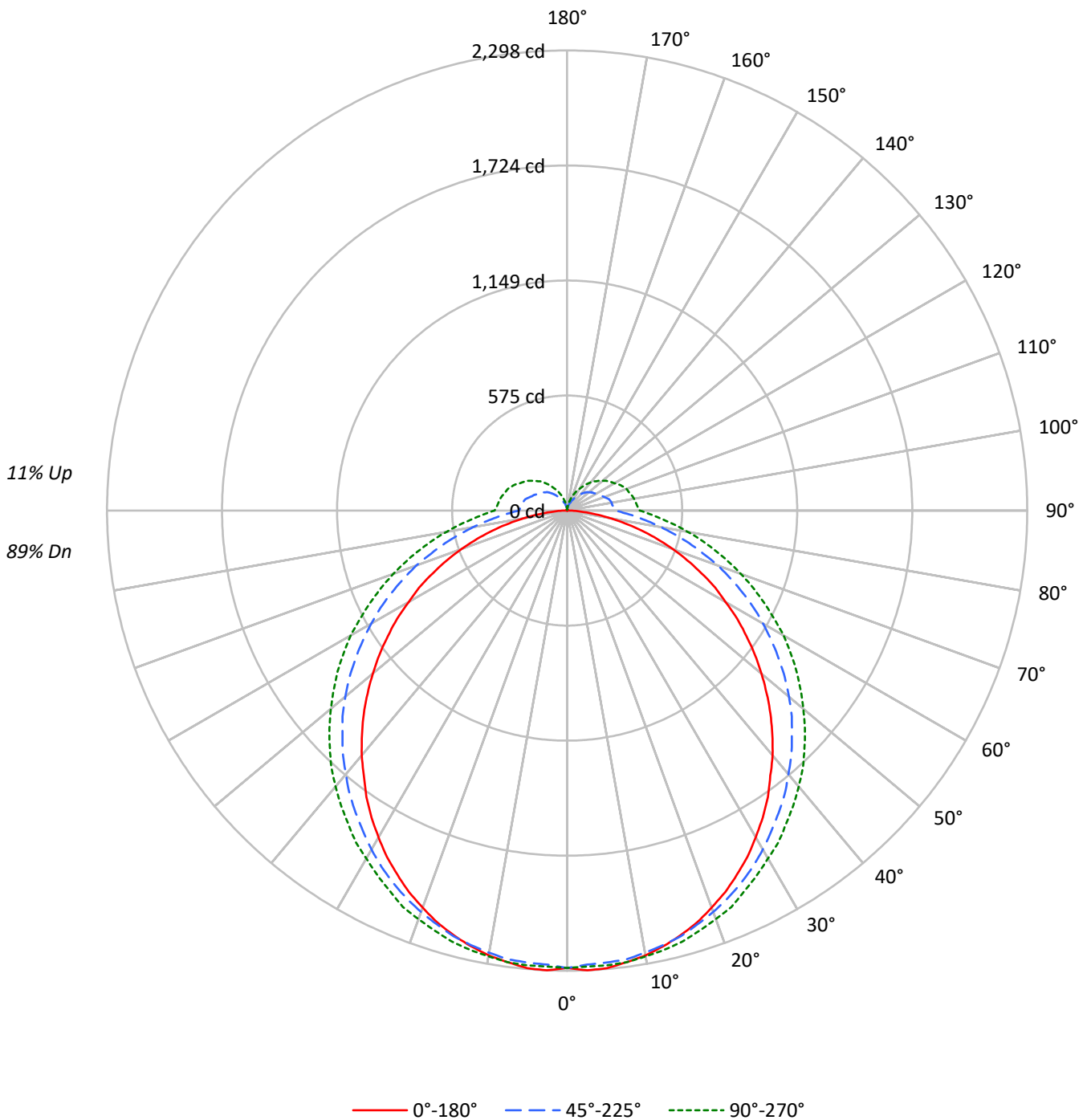
Lumens per Lamp: N/A
Luminaire Lumens: 8131.0 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 70
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	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°	12292	12292	12292
5°	12368	11739	11635
10°	12283	11283	11054
15°	12159	10841	10530
20°	11993	10381	10006
25°	11799	9940	9493
30°	11567	9484	9002
35°	11314	9025	8543
40°	11024	8577	8105
45°	10709	8128	7656
50°	10350	7665	7185
55°	9956	7146	6723
60°	9491	6604	6234
65°	9013	6019	5677
70°	8341	5394	5129
75°	7451	4662	4548
80°	6004	3923	3969
85°	4229	3238	3373



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.9	2.7
10°-20°	623.6	7.7
20°-30°	948.1	11.7
30°-40°	1150.9	14.2
40°-50°	1216.2	15.0
50°-60°	1138.1	14.0
60°-70°	933.8	11.5
70°-80°	642.3	7.9
80°-90°	351.7	4.3
90°-100°	226.5	2.8
100°-110°	203.2	2.5
110°-120°	168.2	2.1
120°-130°	129.5	1.6
130°-140°	91.0	1.1
140°-150°	54.9	0.7
150°-160°	26.3	0.3
160°-170°	8.6	0.1
170°-180°	1.0	0.0
0°-30°	1788.6	22.0
0°-40°	2939.6	36.2
0°-60°	5293.9	65.1
0°-90°	7221.7	88.8
90°-120°	598.0	7.4
90°-150°	873.4	10.7
90°-180°	909.0	11.2
0°-180°	8131.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2284	2284	2284	2284	2284	
5°	2293	2289	2265	2284	2279	217
15°	2194	2204	2199	2228	2228	619
25°	2006	2030	2053	2096	2096	924
35°	1747	1790	1841	1893	1907	1091
45°	1436	1502	1587	1658	1676	1107
55°	1093	1182	1290	1370	1399	978
65°	739	838	965	1055	1083	732
75°	386	490	631	730	763	407
85°	85	202	344	438	471	98
90°	0	113	240	330	363	6
95°	0	108	231	316	348	0
105°	0	90	217	297	325	3
115°	5	80	184	264	297	5
125°	5	66	155	226	254	4
135°	5	52	127	184	207	4
145°	5	38	90	141	155	3
155°	5	24	56	90	104	2
165°	5	14	28	42	52	1
175°	5	5	9	9	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2284.0	2284.0	2284.0	2284.0	2284.0
2.5°	2298.1	2293.4	2269.9	2288.7	2279.3
5°	2293.4	2288.7	2265.2	2284.0	2279.3
7.5°	2274.6	2274.6	2260.5	2279.3	2274.6
10°	2255.8	2255.8	2241.6	2265.2	2260.5
12.5°	2227.5	2232.2	2222.8	2251.1	2246.3
15°	2194.5	2204.0	2199.2	2227.5	2227.5
17.5°	2156.9	2166.3	2166.3	2199.2	2199.2
20°	2109.8	2123.9	2133.3	2171.0	2171.0
22.5°	2062.7	2081.5	2095.6	2128.6	2142.7
25°	2006.2	2029.7	2053.3	2095.6	2095.6
27.5°	1949.7	1977.9	2006.2	2048.6	2053.3
30°	1883.7	1916.7	1954.4	1996.7	2006.2
32.5°	1817.8	1860.2	1897.9	1949.7	1963.8
35°	1747.2	1789.5	1841.3	1893.1	1907.3
37.5°	1667.1	1718.9	1784.8	1841.3	1855.5
40°	1596.5	1653.0	1718.9	1784.8	1799.0
42.5°	1516.4	1577.6	1657.7	1718.9	1742.4
45°	1436.3	1502.3	1587.0	1657.7	1676.5
47.5°	1351.6	1426.9	1521.1	1587.0	1610.6
50°	1266.8	1346.9	1445.8	1521.1	1539.9
52.5°	1182.0	1266.8	1370.4	1445.8	1469.3
55°	1092.6	1182.0	1290.4	1370.4	1398.7
57.5°	1007.8	1097.3	1210.3	1295.1	1323.3
60°	913.6	1017.2	1130.2	1215.0	1248.0
62.5°	833.5	927.7	1050.2	1134.9	1163.2
65°	739.4	838.3	965.4	1054.9	1083.1
67.5°	649.9	753.5	880.6	974.8	1003.1
70°	560.4	664.0	800.6	890.1	923.0
72.5°	470.9	579.2	711.1	810.0	843.0
75°	386.2	489.8	631.0	729.9	762.9
77.5°	296.7	409.7	551.0	649.9	687.6
80°	216.6	334.4	475.6	574.5	612.2
82.5°	146.0	263.7	405.0	503.9	541.6
85°	84.8	202.5	343.8	438.0	470.9
87.5°	42.4	155.4	287.3	381.5	414.4
90°	0.0	113.0	240.2	329.7	362.6
92.5°	0.0	108.3	235.5	320.2	353.2
95°	0.0	108.3	230.8	315.5	348.5
97.5°	0.0	103.6	226.0	315.5	343.8
100°	0.0	98.9	226.0	310.8	339.1
102.5°	0.0	94.2	221.3	306.1	334.4
105°	0.0	89.5	216.6	296.7	324.9
107.5°	4.7	89.5	207.2	292.0	320.2
110°	4.7	84.8	197.8	287.3	315.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.7	80.1	188.4	277.8	306.1
115°	4.7	80.1	183.7	263.7	296.7
117.5°	4.7	75.3	174.2	254.3	287.3
120°	4.7	75.3	169.5	244.9	273.1
122.5°	4.7	70.6	160.1	235.5	263.7
125°	4.7	65.9	155.4	226.0	254.3
127.5°	4.7	61.2	150.7	216.6	244.9
130°	4.7	56.5	141.3	207.2	230.8
132.5°	4.7	56.5	136.6	193.1	221.3
135°	4.7	51.8	127.2	183.7	207.2
137.5°	4.7	47.1	117.7	174.2	197.8
140°	4.7	42.4	108.3	164.8	183.7
142.5°	4.7	42.4	98.9	150.7	169.5
145°	4.7	37.7	89.5	141.3	155.4
147.5°	4.7	33.0	80.1	127.2	141.3
150°	4.7	33.0	70.6	113.0	127.2
152.5°	4.7	28.3	61.2	103.6	117.7
155°	4.7	23.5	56.5	89.5	103.6
157.5°	4.7	23.5	47.1	75.3	89.5
160°	4.7	18.8	42.4	61.2	75.3
162.5°	4.7	18.8	37.7	51.8	65.9
165°	4.7	14.1	28.3	42.4	51.8
167.5°	4.7	14.1	23.5	33.0	42.4
170°	4.7	9.4	18.8	23.5	33.0
172.5°	4.7	9.4	14.1	14.1	14.1
175°	4.7	4.7	9.4	9.4	4.7
177.5°	4.7	4.7	4.7	4.7	4.7
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)