

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: P567161

Luminaire Tested: **8SNX-102SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567161
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-102SL-FDL-UNV-L950-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

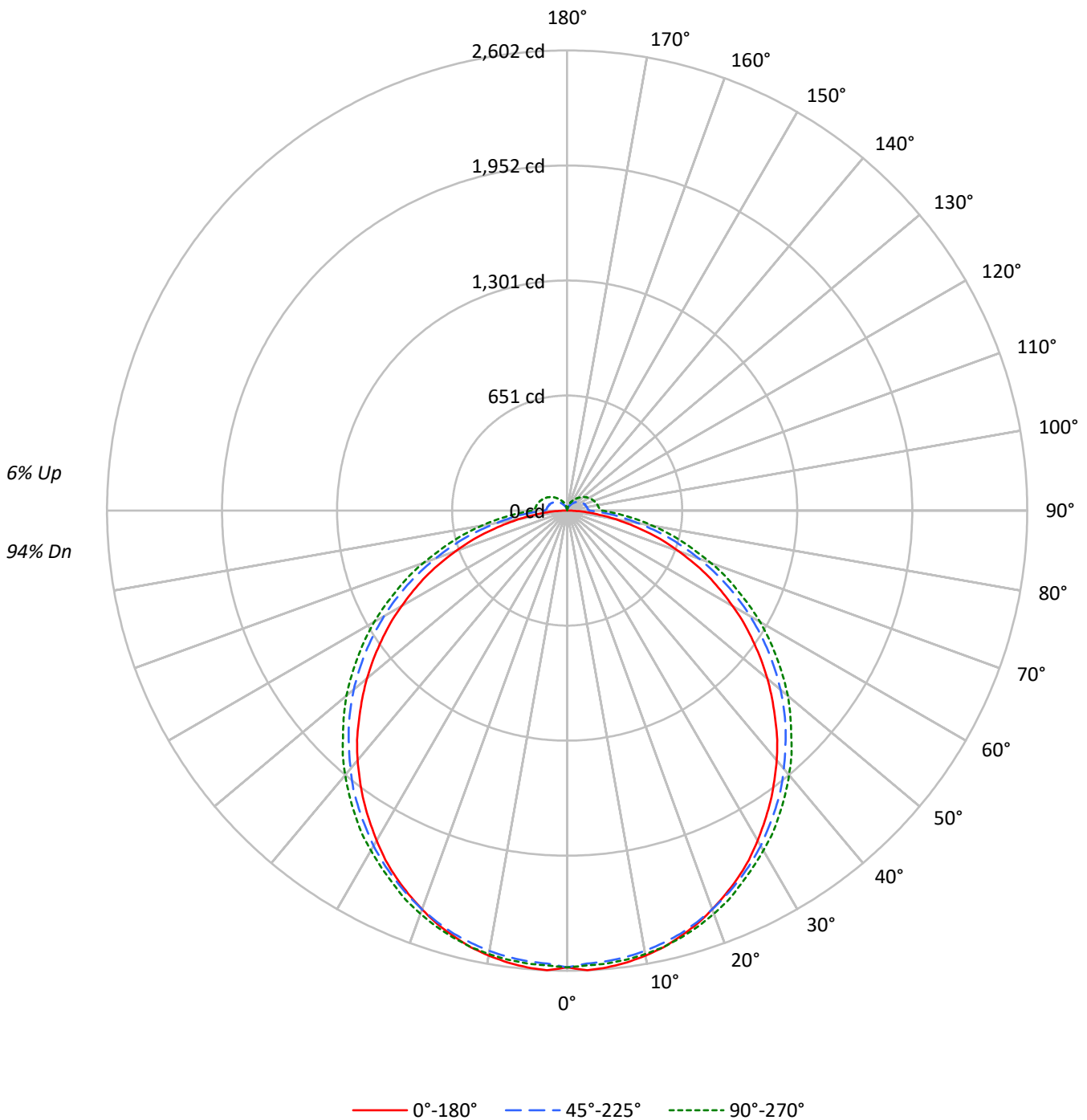
Lumens per Lamp: N/A
Luminaire Lumens: 8208.0 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 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	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°	13901	13901	13901
5°	14003	13675	13692
10°	13952	13532	13520
15°	13854	13365	13327
20°	13719	13162	13099
25°	13562	12939	12830
30°	13347	12712	12582
35°	13131	12445	12323
40°	12893	12149	12032
45°	12590	11857	11692
50°	12300	11523	11382
55°	11940	11110	10950
60°	11536	10637	10526
65°	11112	10073	9941
70°	10373	9362	9334
75°	9487	8525	8609
80°	8182	7414	7804
85°	6609	6462	6860



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.0	3.0
10°-20°	702.9	8.6
20°-30°	1065.2	13.0
30°-40°	1285.9	15.7
40°-50°	1342.8	16.4
50°-60°	1233.6	15.0
60°-70°	975.5	11.9
70°-80°	617.4	7.5
80°-90°	265.4	3.2
90°-100°	116.8	1.4
100°-110°	104.6	1.3
110°-120°	88.3	1.1
120°-130°	68.8	0.8
130°-140°	47.7	0.6
140°-150°	28.6	0.3
150°-160°	14.0	0.2
160°-170°	4.8	0.1
170°-180°	0.7	0.0
0°-30°	2013.1	24.5
0°-40°	3299.0	40.2
0°-60°	5875.4	71.6
0°-90°	7733.8	94.2
90°-120°	309.7	3.8
90°-150°	454.7	5.5
90°-180°	474.0	5.8
0°-180°	8208.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2583	2583	2583	2583	2583	
5°	2593	2586	2558	2580	2571	246
15°	2490	2490	2477	2503	2499	702
25°	2289	2300	2302	2333	2328	1054
35°	2006	2029	2055	2087	2094	1254
45°	1663	1704	1747	1781	1792	1284
55°	1282	1334	1390	1435	1445	1147
65°	882	932	997	1044	1060	869
75°	465	520	596	647	672	493
85°	113	174	250	304	323	125
90°	7	62	128	179	198	10
95°	2	54	116	163	180	1
105°	2	49	109	153	169	2
115°	2	42	99	138	153	2
125°	3	38	83	119	132	3
135°	3	29	67	94	106	2
145°	3	22	46	71	78	2
155°	3	14	30	45	54	1
165°	4	10	16	22	30	1
175°	4	6	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2582.9	2582.9	2582.9	2582.9	2582.9
2.5°	2601.8	2593.1	2564.0	2584.4	2574.2
5°	2593.1	2585.8	2558.2	2580.0	2571.3
7.5°	2577.1	2571.3	2546.6	2569.8	2561.1
10°	2555.3	2550.9	2529.1	2552.4	2546.6
12.5°	2527.7	2526.2	2504.4	2530.6	2526.2
15°	2489.9	2489.9	2476.8	2503.0	2498.6
17.5°	2449.2	2450.6	2440.5	2468.1	2465.2
20°	2399.8	2407.0	2399.8	2428.8	2425.9
22.5°	2346.0	2356.2	2353.2	2382.3	2383.8
25°	2289.3	2299.5	2302.4	2332.9	2328.5
27.5°	2226.8	2242.8	2248.6	2276.2	2274.8
30°	2154.1	2175.9	2189.0	2212.3	2219.5
32.5°	2080.0	2106.1	2122.1	2154.1	2162.8
35°	2005.9	2029.1	2055.3	2087.3	2094.5
37.5°	1924.5	1950.6	1985.5	2016.0	2024.8
40°	1843.1	1872.1	1905.6	1939.0	1952.1
42.5°	1758.8	1789.3	1825.6	1864.9	1877.9
45°	1662.8	1703.5	1747.1	1780.6	1792.2
47.5°	1571.3	1616.3	1662.8	1699.2	1712.2
50°	1478.2	1526.2	1575.6	1609.0	1629.4
52.5°	1380.8	1433.2	1482.6	1524.7	1537.8
55°	1282.0	1334.3	1389.6	1434.6	1444.8
57.5°	1186.1	1236.9	1292.2	1334.3	1354.7
60°	1081.4	1136.7	1196.2	1238.4	1260.2
62.5°	979.7	1033.5	1097.4	1142.5	1159.9
65°	882.3	931.7	997.1	1043.6	1059.6
67.5°	774.7	831.4	893.9	947.7	968.0
70°	668.6	722.4	793.6	844.5	864.8
72.5°	569.8	622.1	693.3	744.2	763.1
75°	465.1	520.4	595.9	646.8	671.5
77.5°	364.8	425.9	498.6	553.8	581.4
80°	271.8	325.6	404.1	465.1	489.8
82.5°	184.6	242.7	324.1	380.8	408.4
85°	113.4	174.4	250.0	303.8	322.7
87.5°	53.8	111.9	181.7	234.0	257.3
90°	7.3	62.5	127.9	178.8	197.7
92.5°	1.5	53.8	117.7	165.7	183.1
95°	1.5	53.8	116.3	162.8	180.2
97.5°	1.5	52.3	114.8	161.3	177.3
100°	1.5	50.9	113.4	158.4	175.9
102.5°	1.5	50.9	110.5	155.5	171.5
105°	1.5	49.4	109.0	152.6	168.6
107.5°	1.5	48.0	106.1	149.7	165.7
110°	1.5	45.1	104.7	145.4	161.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	43.6	101.7	142.4	157.0
115°	1.5	42.2	98.8	138.1	152.6
117.5°	1.5	40.7	94.5	133.7	148.3
120°	2.9	40.7	91.6	129.4	142.4
122.5°	2.9	39.2	87.2	123.5	136.6
125°	2.9	37.8	82.9	119.2	132.3
127.5°	2.9	36.3	78.5	113.4	125.0
130°	2.9	33.4	75.6	107.6	119.2
132.5°	2.9	32.0	71.2	100.3	111.9
135°	2.9	29.1	66.9	94.5	106.1
137.5°	2.9	27.6	62.5	88.7	98.8
140°	2.9	26.2	56.7	82.9	93.0
142.5°	2.9	23.3	52.3	77.0	85.8
145°	2.9	21.8	46.5	71.2	78.5
147.5°	2.9	18.9	42.2	65.4	72.7
150°	2.9	17.4	37.8	59.6	66.9
152.5°	2.9	16.0	33.4	52.3	59.6
155°	2.9	14.5	30.5	45.1	53.8
157.5°	2.9	13.1	26.2	39.2	48.0
160°	4.4	11.6	23.3	33.4	40.7
162.5°	4.4	10.2	18.9	27.6	36.3
165°	4.4	10.2	16.0	21.8	30.5
167.5°	4.4	8.7	13.1	17.4	24.7
170°	4.4	7.3	11.6	13.1	18.9
172.5°	4.4	5.8	8.7	8.7	10.2
175°	4.4	5.8	7.3	7.3	4.4
177.5°	4.4	4.4	4.4	4.4	2.9
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)