

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: P567160

Luminaire Tested: **8SNX-102SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567160
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-L940-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

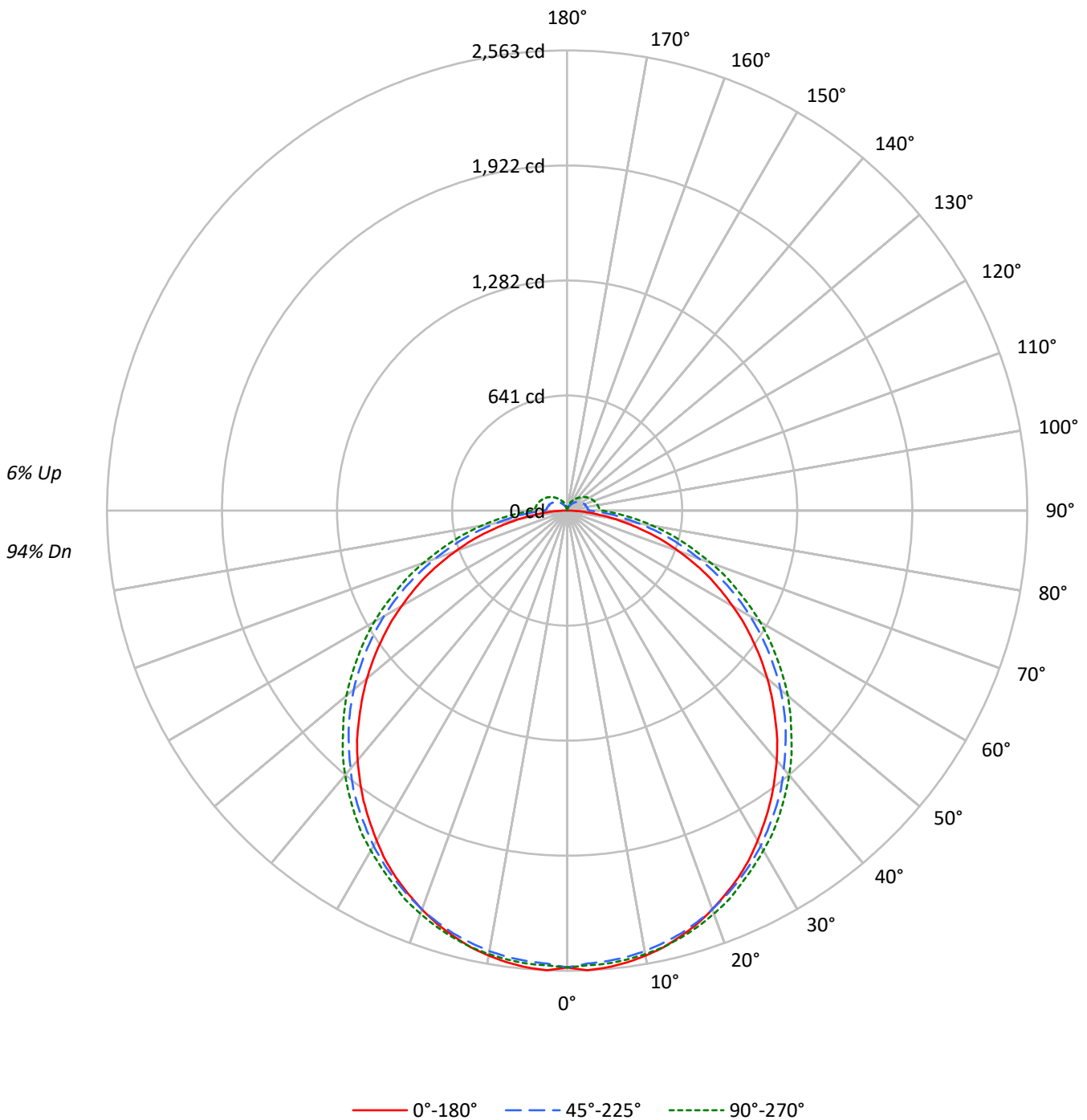
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8086.0 lumens
Efficiency: N/A
Efficacy: 115.5 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 (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°	13694	13694	13694
5°	13794	13472	13488
10°	13744	13330	13319
15°	13648	13166	13129
20°	13514	12966	12905
25°	13360	12747	12640
30°	13148	12523	12395
35°	12935	12259	12140
40°	12701	11968	11853
45°	12403	11681	11519
50°	12118	11352	11213
55°	11762	10945	10787
60°	11364	10479	10370
65°	10947	9923	9793
70°	10219	9223	9196
75°	9346	8399	8480
80°	8062	7304	7689
85°	6510	6366	6757



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.3	3.0
10°-20°	692.5	8.6
20°-30°	1049.4	13.0
30°-40°	1266.8	15.7
40°-50°	1322.9	16.4
50°-60°	1215.3	15.0
60°-70°	961.0	11.9
70°-80°	608.2	7.5
80°-90°	261.5	3.2
90°-100°	115.1	1.4
100°-110°	103.0	1.3
110°-120°	87.0	1.1
120°-130°	67.8	0.8
130°-140°	47.0	0.6
140°-150°	28.2	0.3
150°-160°	13.8	0.2
160°-170°	4.8	0.1
170°-180°	0.7	0.0
0°-30°	1983.2	24.5
0°-40°	3250.0	40.2
0°-60°	5788.1	71.6
0°-90°	7618.8	94.2
90°-120°	305.0	3.8
90°-150°	448.0	5.5
90°-180°	467.0	5.8
0°-180°	8086.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2544	2544	2544	2544	2544	
5°	2554	2547	2520	2542	2533	243
15°	2453	2453	2440	2466	2462	692
25°	2255	2265	2268	2298	2294	1039
35°	1976	1999	2025	2056	2063	1235
45°	1638	1678	1721	1754	1766	1265
55°	1263	1314	1369	1413	1423	1130
65°	869	918	982	1028	1044	856
75°	458	513	587	637	662	486
85°	112	172	246	299	318	123
90°	7	62	126	176	195	9
95°	1	53	115	160	178	1
105°	1	49	107	150	166	1
115°	1	42	97	136	150	2
125°	3	37	82	117	130	3
135°	3	29	66	93	104	2
145°	3	22	46	70	77	2
155°	3	14	30	44	53	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°	2544.5	2544.5	2544.5	2544.5	2544.5
2.5°	2563.1	2554.5	2525.9	2545.9	2535.9
5°	2554.5	2547.4	2520.2	2541.6	2533.1
7.5°	2538.8	2533.1	2508.7	2531.6	2523.0
10°	2517.3	2513.0	2491.5	2514.4	2508.7
12.5°	2490.1	2488.7	2467.2	2493.0	2488.7
15°	2452.9	2452.9	2440.0	2465.8	2461.5
17.5°	2412.8	2414.2	2404.2	2431.4	2428.5
20°	2364.1	2371.3	2364.1	2392.7	2389.9
22.5°	2311.1	2321.1	2318.3	2346.9	2348.3
25°	2255.3	2265.3	2268.2	2298.2	2293.9
27.5°	2193.7	2209.4	2215.2	2242.4	2240.9
30°	2122.1	2143.6	2156.5	2179.4	2186.5
32.5°	2049.1	2074.8	2090.6	2122.1	2130.7
35°	1976.0	1999.0	2024.7	2056.2	2063.4
37.5°	1895.9	1921.6	1956.0	1986.1	1994.7
40°	1815.7	1844.3	1877.2	1910.2	1923.1
42.5°	1732.6	1762.7	1798.5	1837.1	1850.0
45°	1638.1	1678.2	1721.2	1754.1	1765.6
47.5°	1547.9	1592.3	1638.1	1673.9	1686.8
50°	1456.3	1503.5	1552.2	1585.1	1605.2
52.5°	1360.3	1411.9	1460.6	1502.1	1515.0
55°	1262.9	1314.5	1368.9	1413.3	1423.3
57.5°	1168.4	1218.6	1273.0	1314.5	1334.5
60°	1065.3	1119.8	1178.5	1220.0	1241.5
62.5°	965.1	1018.1	1081.1	1125.5	1142.7
65°	869.2	917.9	982.3	1028.1	1043.9
67.5°	763.2	819.1	880.6	933.6	953.7
70°	658.7	711.7	781.8	831.9	852.0
72.5°	561.3	612.9	683.0	733.1	751.8
75°	458.2	512.6	587.1	637.2	661.5
77.5°	359.4	419.6	491.1	545.6	572.8
80°	267.8	320.7	398.1	458.2	482.6
82.5°	181.9	239.1	319.3	375.2	402.4
85°	111.7	171.8	246.3	299.3	317.9
87.5°	53.0	110.3	179.0	230.5	253.4
90°	7.2	61.6	126.0	176.1	194.7
92.5°	1.4	53.0	116.0	163.2	180.4
95°	1.4	53.0	114.6	160.4	177.6
97.5°	1.4	51.5	113.1	158.9	174.7
100°	1.4	50.1	111.7	156.1	173.3
102.5°	1.4	50.1	108.8	153.2	169.0
105°	1.4	48.7	107.4	150.4	166.1
107.5°	1.4	47.3	104.5	147.5	163.2
110°	1.4	44.4	103.1	143.2	158.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	43.0	100.2	140.3	154.6
115°	1.4	41.5	97.4	136.0	150.4
117.5°	1.4	40.1	93.1	131.7	146.1
120°	2.9	40.1	90.2	127.4	140.3
122.5°	2.9	38.7	85.9	121.7	134.6
125°	2.9	37.2	81.6	117.4	130.3
127.5°	2.9	35.8	77.3	111.7	123.1
130°	2.9	32.9	74.5	106.0	117.4
132.5°	2.9	31.5	70.2	98.8	110.3
135°	2.9	28.6	65.9	93.1	104.5
137.5°	2.9	27.2	61.6	87.3	97.4
140°	2.9	25.8	55.8	81.6	91.6
142.5°	2.9	22.9	51.5	75.9	84.5
145°	2.9	21.5	45.8	70.2	77.3
147.5°	2.9	18.6	41.5	64.4	71.6
150°	2.9	17.2	37.2	58.7	65.9
152.5°	2.9	15.8	32.9	51.5	58.7
155°	2.9	14.3	30.1	44.4	53.0
157.5°	2.9	12.9	25.8	38.7	47.3
160°	4.3	11.5	22.9	32.9	40.1
162.5°	4.3	10.0	18.6	27.2	35.8
165°	4.3	10.0	15.8	21.5	30.1
167.5°	4.3	8.6	12.9	17.2	24.3
170°	4.3	7.2	11.5	12.9	18.6
172.5°	4.3	5.7	8.6	8.6	10.0
175°	4.3	5.7	7.2	7.2	4.3
177.5°	4.3	4.3	4.3	4.3	2.9
180°	4.3	4.3	4.3	4.3	4.3

(END OF REPORT)