

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: P568066

Luminaire Tested: **8SNX-90SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568066
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-L830-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

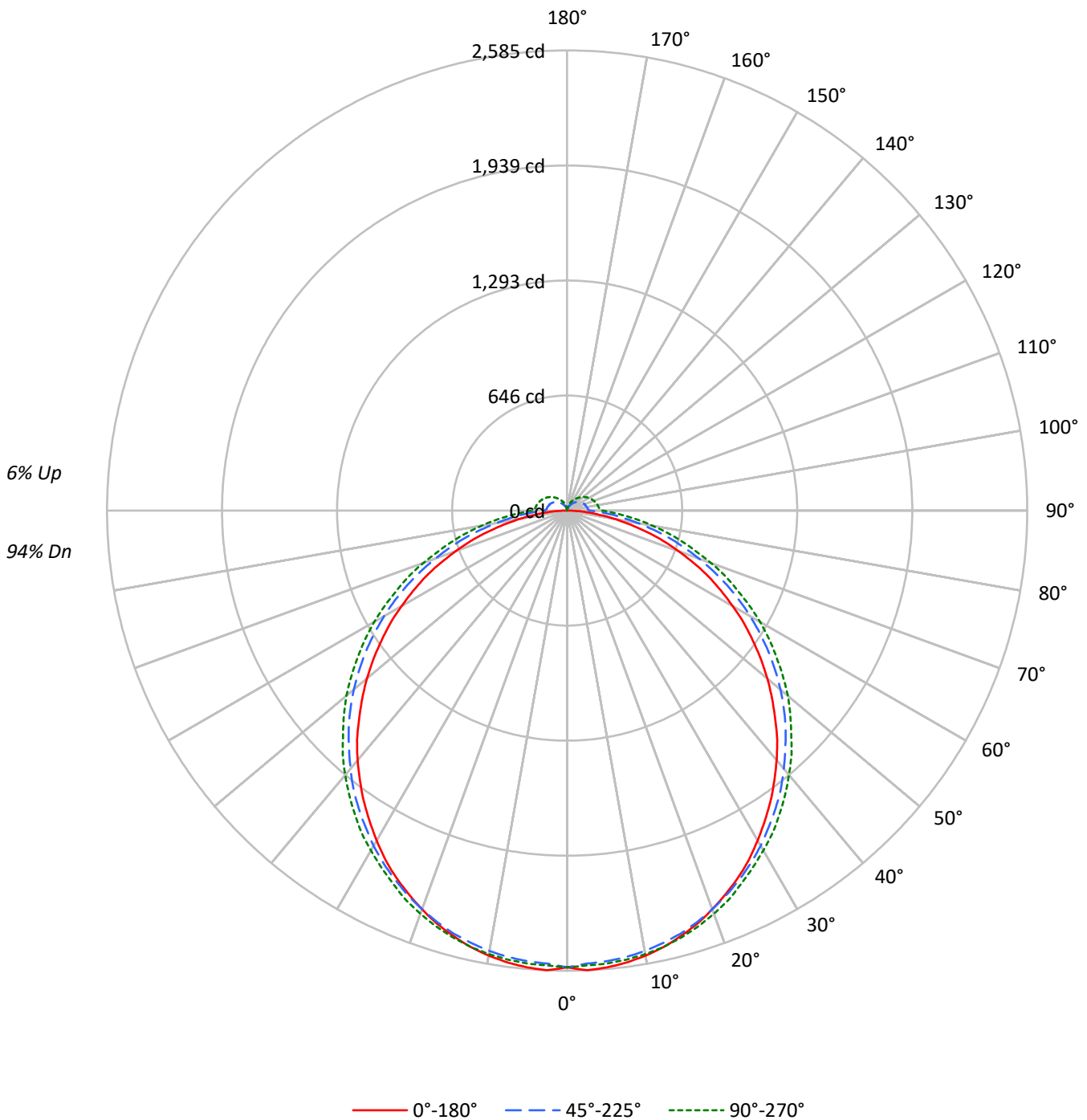
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8154.0 lumens
Efficiency: N/A
Efficacy: 136.8 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°	13810	13810	13810
5°	13911	13585	13602
10°	13860	13443	13431
15°	13763	13277	13239
20°	13628	13076	13014
25°	13472	12854	12746
30°	13259	12628	12500
35°	13045	12363	12242
40°	12807	12069	11953
45°	12508	11779	11615
50°	12220	11447	11307
55°	11862	11037	10878
60°	11460	10567	10457
65°	11039	10007	9875
70°	10304	9301	9274
75°	9426	8469	8552
80°	8128	7365	7753
85°	6562	6420	6815



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.3	3.0
10°-20°	698.3	8.6
20°-30°	1058.2	13.0
30°-40°	1277.5	15.7
40°-50°	1334.0	16.4
50°-60°	1225.5	15.0
60°-70°	969.1	11.9
70°-80°	613.3	7.5
80°-90°	263.7	3.2
90°-100°	116.0	1.4
100°-110°	103.8	1.3
110°-120°	87.7	1.1
120°-130°	68.4	0.8
130°-140°	47.3	0.6
140°-150°	28.4	0.3
150°-160°	13.9	0.2
160°-170°	4.8	0.1
170°-180°	0.7	0.0
0°-30°	1999.8	24.5
0°-40°	3277.3	40.2
0°-60°	5836.8	71.6
0°-90°	7682.9	94.2
90°-120°	307.6	3.8
90°-150°	451.7	5.5
90°-180°	471.0	5.8
0°-180°	8154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2566	2566	2566	2566	2566	
5°	2576	2569	2541	2563	2554	245
15°	2474	2474	2460	2486	2482	698
25°	2274	2284	2287	2318	2313	1047
35°	1993	2016	2042	2074	2081	1246
45°	1652	1692	1736	1769	1780	1276
55°	1274	1326	1380	1425	1435	1139
65°	876	926	991	1037	1053	863
75°	462	517	592	643	667	490
85°	113	173	248	302	321	124
90°	7	62	127	178	196	9
95°	1	53	116	162	179	1
105°	1	49	108	152	168	1
115°	1	42	98	137	152	2
125°	3	38	82	118	131	3
135°	3	29	66	94	105	2
145°	3	22	46	71	78	2
155°	3	14	30	45	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°	2565.9	2565.9	2565.9	2565.9	2565.9
2.5°	2584.7	2576.0	2547.1	2567.4	2557.2
5°	2576.0	2568.8	2541.4	2563.0	2554.4
7.5°	2560.1	2554.4	2529.8	2552.9	2544.3
10°	2538.5	2534.1	2512.5	2535.6	2529.8
12.5°	2511.0	2509.6	2487.9	2513.9	2509.6
15°	2473.5	2473.5	2460.5	2486.5	2482.2
17.5°	2433.1	2434.5	2424.4	2451.8	2448.9
20°	2384.0	2391.2	2384.0	2412.9	2410.0
22.5°	2330.5	2340.7	2337.8	2366.6	2368.1
25°	2274.2	2284.3	2287.2	2317.5	2313.2
27.5°	2212.1	2228.0	2233.8	2261.2	2259.8
30°	2139.9	2161.6	2174.6	2197.7	2204.9
32.5°	2066.3	2092.3	2108.2	2139.9	2148.6
35°	1992.7	2015.8	2041.8	2073.5	2080.7
37.5°	1911.8	1937.8	1972.4	2002.8	2011.4
40°	1830.9	1859.8	1893.0	1926.2	1939.2
42.5°	1747.2	1777.5	1813.6	1852.6	1865.6
45°	1651.9	1692.3	1735.6	1768.8	1780.4
47.5°	1560.9	1605.7	1651.9	1688.0	1701.0
50°	1468.5	1516.2	1565.2	1598.5	1618.7
52.5°	1371.8	1423.7	1472.8	1514.7	1527.7
55°	1273.6	1325.6	1380.4	1425.2	1435.3
57.5°	1178.3	1228.8	1283.7	1325.6	1345.8
60°	1074.3	1129.2	1188.4	1230.3	1251.9
62.5°	973.2	1026.7	1090.2	1134.9	1152.3
65°	876.5	925.6	990.6	1036.8	1052.6
67.5°	769.6	825.9	888.0	941.5	961.7
70°	664.2	717.6	788.4	838.9	859.2
72.5°	566.0	618.0	688.8	739.3	758.1
75°	462.1	516.9	592.0	642.6	667.1
77.5°	362.4	423.1	495.3	550.1	577.6
80°	270.0	323.4	401.4	462.1	486.6
82.5°	183.4	241.1	322.0	378.3	405.8
85°	112.6	173.3	248.4	301.8	320.6
87.5°	53.4	111.2	180.5	232.5	255.6
90°	7.2	62.1	127.1	177.6	196.4
92.5°	1.4	53.4	117.0	164.6	181.9
95°	1.4	53.4	115.5	161.7	179.1
97.5°	1.4	52.0	114.1	160.3	176.2
100°	1.4	50.5	112.6	157.4	174.7
102.5°	1.4	50.5	109.7	154.5	170.4
105°	1.4	49.1	108.3	151.6	167.5
107.5°	1.4	47.7	105.4	148.7	164.6
110°	1.4	44.8	104.0	144.4	160.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	43.3	101.1	141.5	155.9
115°	1.4	41.9	98.2	137.2	151.6
117.5°	1.4	40.4	93.9	132.8	147.3
120°	2.9	40.4	91.0	128.5	141.5
122.5°	2.9	39.0	86.6	122.7	135.7
125°	2.9	37.5	82.3	118.4	131.4
127.5°	2.9	36.1	78.0	112.6	124.2
130°	2.9	33.2	75.1	106.9	118.4
132.5°	2.9	31.8	70.8	99.6	111.2
135°	2.9	28.9	66.4	93.9	105.4
137.5°	2.9	27.4	62.1	88.1	98.2
140°	2.9	26.0	56.3	82.3	92.4
142.5°	2.9	23.1	52.0	76.5	85.2
145°	2.9	21.7	46.2	70.8	78.0
147.5°	2.9	18.8	41.9	65.0	72.2
150°	2.9	17.3	37.5	59.2	66.4
152.5°	2.9	15.9	33.2	52.0	59.2
155°	2.9	14.4	30.3	44.8	53.4
157.5°	2.9	13.0	26.0	39.0	47.7
160°	4.3	11.6	23.1	33.2	40.4
162.5°	4.3	10.1	18.8	27.4	36.1
165°	4.3	10.1	15.9	21.7	30.3
167.5°	4.3	8.7	13.0	17.3	24.5
170°	4.3	7.2	11.6	13.0	18.8
172.5°	4.3	5.8	8.7	8.7	10.1
175°	4.3	5.8	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)