

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: P568138

Luminaire Tested: **8SNX-96SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568138
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-LW-UNV-L830-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

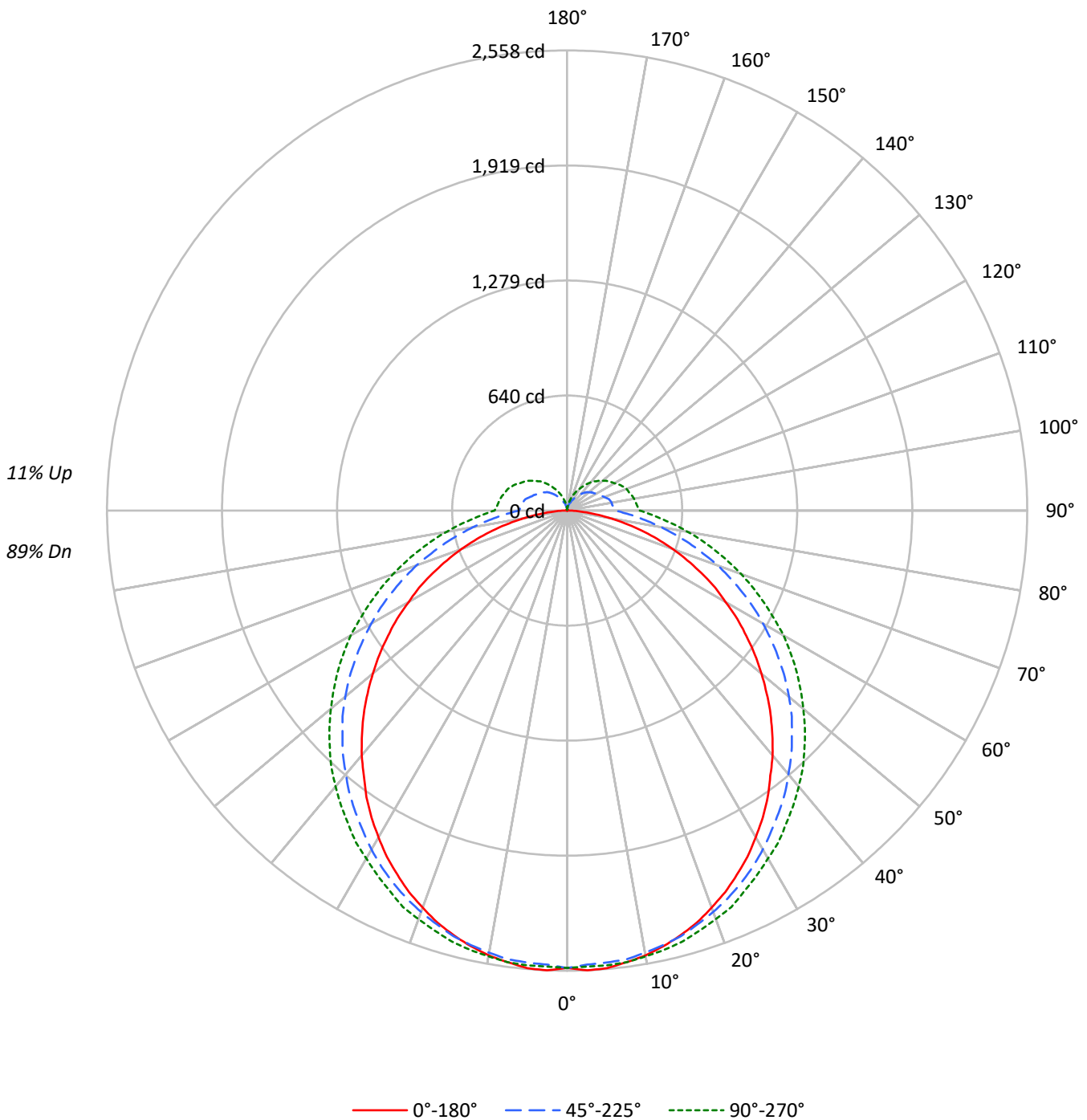
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9051.0 lumens
Efficiency: N/A
Efficacy: 141.0 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): 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	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	77	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°	13683	13683	13683
5°	13767	13067	12952
10°	13672	12560	12305
15°	13535	12068	11721
20°	13349	11556	11138
25°	13134	11064	10568
30°	12876	10557	10021
35°	12594	10047	9510
40°	12271	9548	9022
45°	11921	9048	8522
50°	11521	8532	7998
55°	11082	7955	7483
60°	10566	7352	6940
65°	10033	6700	6319
70°	9285	6004	5710
75°	8295	5190	5063
80°	6683	4368	4418
85°	4708	3604	3755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.5	2.7
10°-20°	694.1	7.7
20°-30°	1055.4	11.7
30°-40°	1281.2	14.2
40°-50°	1353.8	15.0
50°-60°	1266.9	14.0
60°-70°	1039.5	11.5
70°-80°	715.0	7.9
80°-90°	391.5	4.3
90°-100°	252.1	2.8
100°-110°	226.2	2.5
110°-120°	187.3	2.1
120°-130°	144.2	1.6
130°-140°	101.3	1.1
140°-150°	61.0	0.7
150°-160°	29.2	0.3
160°-170°	9.6	0.1
170°-180°	1.1	0.0
0°-30°	1991.0	22.0
0°-40°	3272.2	36.2
0°-60°	5892.9	65.1
0°-90°	8038.8	88.8
90°-120°	665.6	7.4
90°-150°	972.2	10.7
90°-180°	1012.0	11.2
0°-180°	9051.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2542	2542	2542	2542	2542	
5°	2553	2548	2522	2542	2537	242
15°	2443	2453	2448	2480	2480	689
25°	2233	2259	2286	2333	2333	1029
35°	1945	1992	2050	2107	2123	1215
45°	1599	1672	1767	1845	1866	1232
55°	1216	1316	1436	1526	1557	1088
65°	823	933	1075	1174	1206	815
75°	430	545	702	812	849	453
85°	94	225	383	488	524	109
90°	0	126	267	367	404	6
95°	0	121	257	351	388	0
105°	0	100	241	330	362	3
115°	5	89	204	294	330	5
125°	5	73	173	252	283	5
135°	5	58	142	204	231	4
145°	5	42	100	157	173	3
155°	5	26	63	100	115	2
165°	5	16	32	47	58	1
175°	5	5	10	10	5	0
180°	5	5	5	5	5	



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CATALOG NUMBER: 8SNX-96SL-LW-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2542.4	2542.4	2542.4	2542.4	2542.4
2.5°	2558.2	2552.9	2526.7	2547.7	2537.2
5°	2552.9	2547.7	2521.5	2542.4	2537.2
7.5°	2532.0	2532.0	2516.2	2537.2	2532.0
10°	2511.0	2511.0	2495.3	2521.5	2516.2
12.5°	2479.5	2484.8	2474.3	2505.8	2500.5
15°	2442.8	2453.3	2448.1	2479.5	2479.5
17.5°	2400.9	2411.4	2411.4	2448.1	2448.1
20°	2348.5	2364.2	2374.7	2416.6	2416.6
22.5°	2296.1	2317.0	2332.8	2369.5	2385.2
25°	2233.2	2259.4	2285.6	2332.8	2332.8
27.5°	2170.3	2201.7	2233.2	2280.3	2285.6
30°	2096.9	2133.6	2175.5	2222.7	2233.2
32.5°	2023.5	2070.7	2112.6	2170.3	2186.0
35°	1944.8	1992.0	2049.7	2107.3	2123.1
37.5°	1855.7	1913.4	1986.8	2049.7	2065.4
40°	1777.1	1840.0	1913.4	1986.8	2002.5
42.5°	1688.0	1756.1	1845.2	1913.4	1939.6
45°	1598.9	1672.2	1766.6	1845.2	1866.2
47.5°	1504.5	1588.4	1693.2	1766.6	1792.8
50°	1410.1	1499.3	1609.3	1693.2	1714.2
52.5°	1315.8	1410.1	1525.5	1609.3	1635.6
55°	1216.2	1315.8	1436.4	1525.5	1556.9
57.5°	1121.8	1221.4	1347.2	1441.6	1473.0
60°	1017.0	1132.3	1258.1	1352.5	1389.2
62.5°	927.9	1032.7	1169.0	1263.4	1294.8
65°	823.0	933.1	1074.6	1174.2	1205.7
67.5°	723.4	838.7	980.3	1085.1	1116.6
70°	623.8	739.1	891.2	990.8	1027.5
72.5°	524.2	644.8	791.6	901.7	938.3
75°	429.9	545.2	702.4	812.5	849.2
77.5°	330.3	456.1	613.3	723.4	765.4
80°	241.1	372.2	529.5	639.5	681.5
82.5°	162.5	293.6	450.8	560.9	602.8
85°	94.4	225.4	382.7	487.5	524.2
87.5°	47.2	173.0	319.8	424.6	461.3
90°	0.0	125.8	267.4	367.0	403.6
92.5°	0.0	120.6	262.1	356.5	393.2
95°	0.0	120.6	256.9	351.2	387.9
97.5°	0.0	115.3	251.6	351.2	382.7
100°	0.0	110.1	251.6	346.0	377.4
102.5°	0.0	104.8	246.4	340.7	372.2
105°	0.0	99.6	241.1	330.3	361.7
107.5°	5.2	99.6	230.7	325.0	356.5
110°	5.2	94.4	220.2	319.8	351.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.2	89.1	209.7	309.3	340.7
115°	5.2	89.1	204.4	293.6	330.3
117.5°	5.2	83.9	194.0	283.1	319.8
120°	5.2	83.9	188.7	272.6	304.0
122.5°	5.2	78.6	178.2	262.1	293.6
125°	5.2	73.4	173.0	251.6	283.1
127.5°	5.2	68.1	167.7	241.1	272.6
130°	5.2	62.9	157.3	230.7	256.9
132.5°	5.2	62.9	152.0	214.9	246.4
135°	5.2	57.7	141.5	204.4	230.7
137.5°	5.2	52.4	131.1	194.0	220.2
140°	5.2	47.2	120.6	183.5	204.4
142.5°	5.2	47.2	110.1	167.7	188.7
145°	5.2	41.9	99.6	157.3	173.0
147.5°	5.2	36.7	89.1	141.5	157.3
150°	5.2	36.7	78.6	125.8	141.5
152.5°	5.2	31.5	68.1	115.3	131.1
155°	5.2	26.2	62.9	99.6	115.3
157.5°	5.2	26.2	52.4	83.9	99.6
160°	5.2	21.0	47.2	68.1	83.9
162.5°	5.2	21.0	41.9	57.7	73.4
165°	5.2	15.7	31.5	47.2	57.7
167.5°	5.2	15.7	26.2	36.7	47.2
170°	5.2	10.5	21.0	26.2	36.7
172.5°	5.2	10.5	15.7	15.7	15.7
175°	5.2	5.2	10.5	10.5	5.2
177.5°	5.2	5.2	5.2	5.2	5.2
180°	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)