

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: P568160

Luminaire Tested: **8SNX-96SL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-96SL-UNV-L940-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

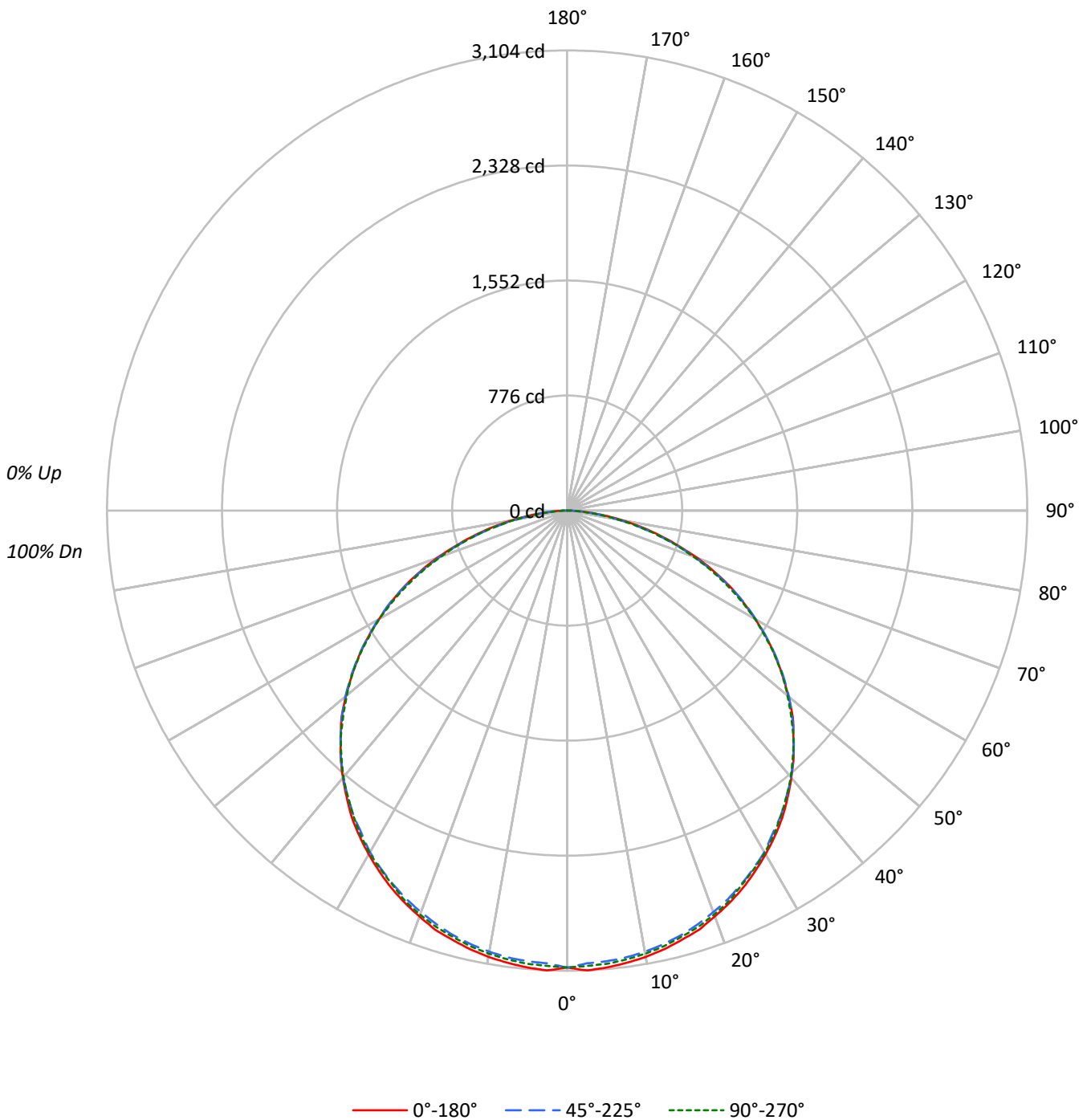
Lumens per Lamp: N/A
Luminaire Lumens: 9216.0 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16589	16589	16589
5°	16712	16487	16577
10°	16708	16511	16587
15°	16695	16525	16587
20°	16685	16510	16605
25°	16674	16510	16542
30°	16640	16537	16571
35°	16627	16500	16518
40°	16533	16514	16494
45°	16435	16455	16435
50°	16315	16361	16246
55°	16100	16151	16073
60°	15783	15842	15753
65°	15461	15354	15143
70°	14699	14394	14219
75°	13429	12969	13026
80°	11598	10739	10996
85°	8732	8386	7534



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.4	3.2
10°-20°	842.6	9.1
20°-30°	1289.2	14.0
30°-40°	1576.2	17.1
40°-50°	1667.4	18.1
50°-60°	1536.3	16.7
60°-70°	1183.8	12.8
70°-80°	663.3	7.2
80°-90°	164.9	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2424.1	26.3
0°-40°	4000.3	43.4
0°-60°	7204.0	78.2
0°-90°	9216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9216.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3082	3082	3082	3082	3082	
5°	3093	3082	3052	3082	3068	294
15°	2996	2991	2966	2991	2977	847
25°	2808	2802	2780	2802	2786	1294
35°	2531	2525	2511	2520	2514	1581
45°	2159	2168	2162	2159	2159	1668
55°	1716	1730	1721	1721	1713	1532
65°	1214	1214	1206	1175	1189	1194
75°	646	638	624	602	626	685
85°	141	133	136	136	122	175
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3082.3	3082.3	3082.3	3082.3	3082.3
2.5°	3104.5	3090.6	3057.3	3087.8	3074.0
5°	3093.4	3082.3	3051.8	3082.3	3068.4
7.5°	3076.7	3068.4	3040.7	3068.4	3054.6
10°	3057.3	3049.0	3021.3	3049.0	3035.2
12.5°	3029.6	3024.1	2996.4	3024.1	3010.2
15°	2996.4	2990.8	2965.9	2990.8	2977.0
17.5°	2963.1	2952.0	2927.1	2954.8	2943.7
20°	2913.2	2907.7	2882.7	2907.7	2899.3
22.5°	2863.3	2857.8	2835.6	2857.8	2852.2
25°	2807.9	2802.3	2780.2	2802.3	2785.7
27.5°	2744.1	2746.9	2721.9	2735.8	2727.5
30°	2677.6	2677.6	2661.0	2666.5	2666.5
32.5°	2605.5	2605.5	2580.6	2597.2	2594.4
35°	2530.7	2525.1	2511.3	2519.6	2514.1
37.5°	2442.0	2439.2	2430.9	2436.4	2430.9
40°	2353.3	2356.1	2350.5	2347.7	2347.7
42.5°	2261.8	2267.4	2259.0	2256.3	2253.5
45°	2159.3	2167.6	2162.0	2159.3	2159.3
47.5°	2065.0	2067.8	2059.5	2056.7	2048.4
50°	1948.6	1959.7	1954.1	1948.6	1940.3
52.5°	1832.2	1848.8	1837.7	1832.2	1832.2
55°	1715.8	1729.6	1721.3	1721.3	1713.0
57.5°	1593.8	1607.7	1596.6	1596.6	1585.5
60°	1466.3	1480.2	1471.8	1463.5	1463.5
62.5°	1338.8	1349.9	1347.1	1333.3	1324.9
65°	1214.1	1214.1	1205.7	1175.3	1189.1
67.5°	1072.7	1069.9	1058.8	1028.4	1047.8
70°	934.1	934.1	914.7	878.7	903.6
72.5°	784.4	792.7	767.8	742.9	767.8
75°	645.8	637.5	623.7	601.5	626.4
77.5°	512.8	498.9	482.3	471.2	485.1
80°	374.2	365.9	346.5	346.5	354.8
82.5°	255.0	246.7	232.8	235.6	224.5
85°	141.4	133.0	135.8	135.8	122.0
87.5°	58.2	58.2	58.2	52.7	47.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)