

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: P568161

Luminaire Tested: **8SNX-96SL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568161
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-L950-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

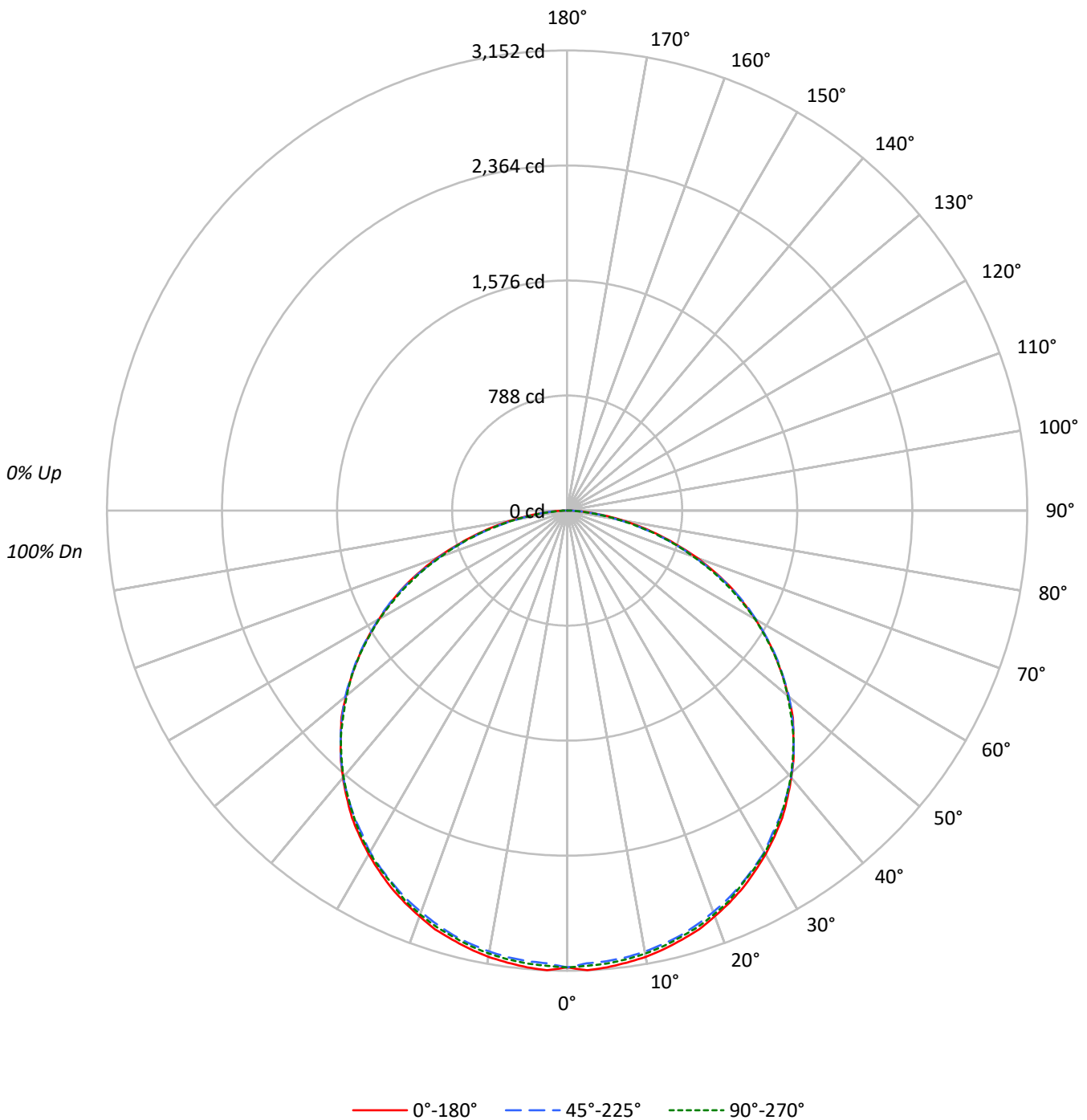
Lumens per Lamp: N/A
Luminaire Lumens: 9356.0 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	16841	16841	16841
5°	16966	16738	16829
10°	16962	16762	16839
15°	16949	16776	16839
20°	16939	16761	16858
25°	16927	16760	16794
30°	16893	16788	16823
35°	16879	16750	16768
40°	16784	16765	16745
45°	16685	16706	16685
50°	16563	16610	16493
55°	16344	16397	16317
60°	16023	16083	15993
65°	15696	15589	15373
70°	14922	14612	14434
75°	13633	13165	13225
80°	11774	10900	11164
85°	8861	8515	7645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.8	3.2
10°-20°	855.4	9.1
20°-30°	1308.7	14.0
30°-40°	1600.2	17.1
40°-50°	1692.7	18.1
50°-60°	1559.6	16.7
60°-70°	1201.8	12.8
70°-80°	673.4	7.2
80°-90°	167.4	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°	2460.9	26.3
0°-40°	4061.1	43.4
0°-60°	7313.5	78.2
0°-90°	9356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3129	3129	3129	3129	3129	
5°	3140	3129	3098	3129	3115	299
15°	3042	3036	3011	3036	3022	859
25°	2850	2845	2822	2845	2828	1314
35°	2569	2564	2549	2558	2552	1605
45°	2192	2200	2195	2192	2192	1693
55°	1742	1756	1748	1748	1739	1555
65°	1232	1232	1224	1193	1207	1212
75°	656	647	633	611	636	695
85°	144	135	138	138	124	177
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3129.1	3129.1	3129.1	3129.1	3129.1
2.5°	3151.6	3137.5	3103.8	3134.7	3120.7
5°	3140.4	3129.1	3098.2	3129.1	3115.0
7.5°	3123.5	3115.0	3086.9	3115.0	3101.0
10°	3103.8	3095.3	3067.2	3095.3	3081.3
12.5°	3075.6	3070.0	3041.9	3070.0	3055.9
15°	3041.9	3036.2	3010.9	3036.2	3022.2
17.5°	3008.1	2996.9	2971.5	2999.7	2988.4
20°	2957.5	2951.8	2926.5	2951.8	2943.4
22.5°	2906.8	2901.2	2878.7	2901.2	2895.5
25°	2850.5	2844.9	2822.4	2844.9	2828.0
27.5°	2785.8	2788.6	2763.3	2777.4	2768.9
30°	2718.3	2718.3	2701.4	2707.0	2707.0
32.5°	2645.1	2645.1	2619.8	2636.7	2633.9
35°	2569.1	2563.5	2549.4	2557.9	2552.2
37.5°	2479.1	2476.3	2467.8	2473.5	2467.8
40°	2389.0	2391.9	2386.2	2383.4	2383.4
42.5°	2296.2	2301.8	2293.4	2290.6	2287.7
45°	2192.1	2200.5	2194.9	2192.1	2192.1
47.5°	2096.4	2099.2	2090.8	2087.9	2079.5
50°	1978.2	1989.5	1983.8	1978.2	1969.8
52.5°	1860.0	1876.9	1865.6	1860.0	1860.0
55°	1741.8	1755.9	1747.5	1747.5	1739.0
57.5°	1618.0	1632.1	1620.8	1620.8	1609.6
60°	1488.6	1502.6	1494.2	1485.8	1485.8
62.5°	1359.1	1370.4	1367.6	1353.5	1345.1
65°	1232.5	1232.5	1224.1	1193.1	1207.2
67.5°	1089.0	1086.2	1074.9	1044.0	1063.7
70°	948.3	948.3	928.6	892.0	917.3
72.5°	796.3	804.8	779.5	754.1	779.5
75°	655.6	647.2	633.1	610.6	636.0
77.5°	520.6	506.5	489.6	478.4	492.4
80°	379.9	371.4	351.7	351.7	360.2
82.5°	258.9	250.4	236.4	239.2	227.9
85°	143.5	135.1	137.9	137.9	123.8
87.5°	59.1	59.1	59.1	53.5	47.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)