

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: P567197

Luminaire Tested: **8SNX-102SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567197
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-102SL-UNV-L850-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

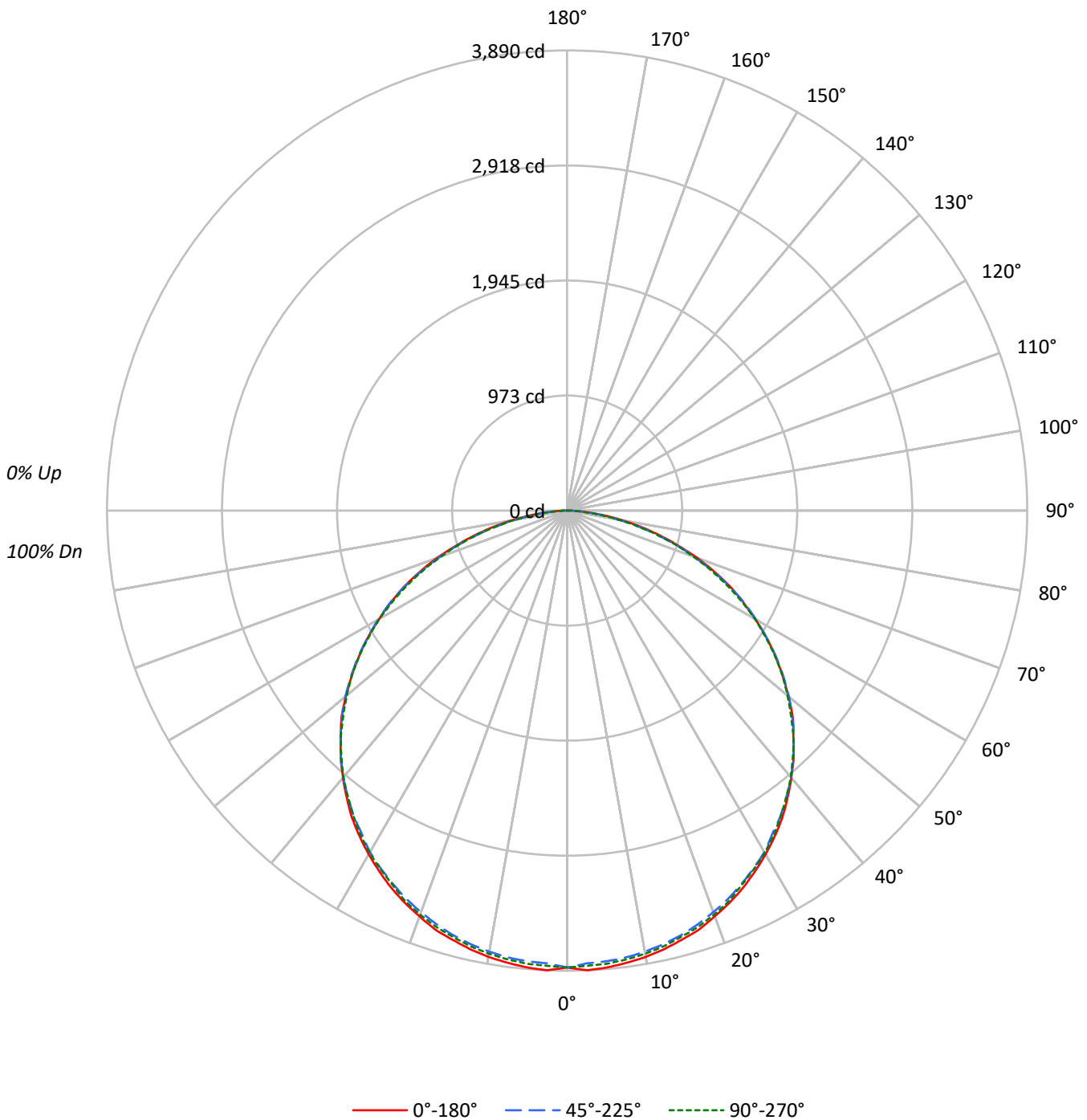
Lumens per Lamp: N/A
Luminaire Lumens: 11549.0 lumens
Efficiency: N/A
Efficacy: 165.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 70
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°	20788	20788	20788
5°	20942	20661	20774
10°	20938	20691	20786
15°	20922	20709	20786
20°	20909	20690	20809
25°	20895	20689	20730
30°	20852	20723	20766
35°	20836	20676	20699
40°	20719	20694	20670
45°	20595	20621	20595
50°	20446	20503	20359
55°	20175	20240	20142
60°	19779	19853	19741
65°	19375	19242	18976
70°	18420	18038	17819
75°	16829	16251	16324
80°	14533	13457	13780
85°	10936	10510	9436



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.4	3.2
10°-20°	1055.8	9.1
20°-30°	1615.5	14.0
30°-40°	1975.3	17.1
40°-50°	2089.5	18.1
50°-60°	1925.2	16.7
60°-70°	1483.5	12.8
70°-80°	831.2	7.2
80°-90°	206.6	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°	3037.8	26.3
0°-40°	5013.0	43.4
0°-60°	9027.7	78.2
0°-90°	11549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11549.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3863	3863	3863	3863	3863	
5°	3876	3863	3824	3863	3845	368
15°	3755	3748	3717	3748	3731	1061
25°	3519	3512	3484	3512	3491	1622
35°	3171	3164	3147	3157	3150	1982
45°	2706	2716	2709	2706	2706	2090
55°	2150	2168	2157	2157	2147	1920
65°	1521	1521	1511	1473	1490	1496
75°	809	799	782	754	785	858
85°	177	167	170	170	153	219
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3862.6	3862.6	3862.6	3862.6	3862.6
2.5°	3890.3	3873.0	3831.3	3869.5	3852.1
5°	3876.4	3862.6	3824.3	3862.6	3845.2
7.5°	3855.6	3845.2	3810.5	3845.2	3827.8
10°	3831.3	3820.9	3786.1	3820.9	3803.5
12.5°	3796.6	3789.6	3754.9	3789.6	3772.2
15°	3754.9	3747.9	3716.7	3747.9	3730.6
17.5°	3713.2	3699.3	3668.0	3702.8	3688.9
20°	3650.7	3643.7	3612.5	3643.7	3633.3
22.5°	3588.1	3581.2	3553.4	3581.2	3574.3
25°	3518.7	3511.7	3483.9	3511.7	3490.9
27.5°	3438.8	3442.3	3411.0	3428.4	3417.9
30°	3355.4	3355.4	3334.6	3341.5	3341.5
32.5°	3265.1	3265.1	3233.8	3254.7	3251.2
35°	3171.3	3164.4	3147.0	3157.4	3150.5
37.5°	3060.2	3056.7	3046.3	3053.2	3046.3
40°	2949.0	2952.5	2945.5	2942.1	2942.1
42.5°	2834.4	2841.3	2830.9	2827.4	2824.0
45°	2705.9	2716.3	2709.3	2705.9	2705.9
47.5°	2587.8	2591.2	2580.8	2577.4	2566.9
50°	2441.9	2455.8	2448.8	2441.9	2431.5
52.5°	2296.0	2316.8	2302.9	2296.0	2296.0
55°	2150.1	2167.5	2157.1	2157.1	2146.6
57.5°	1997.3	2014.6	2000.7	2000.7	1986.9
60°	1837.5	1854.9	1844.4	1834.0	1834.0
62.5°	1677.7	1691.6	1688.1	1670.8	1660.3
65°	1521.4	1521.4	1511.0	1472.8	1490.1
67.5°	1344.3	1340.8	1326.9	1288.7	1313.0
70°	1170.6	1170.6	1146.3	1101.1	1132.4
72.5°	983.0	993.4	962.2	930.9	962.2
75°	809.3	798.9	781.5	753.8	785.0
77.5°	642.6	625.2	604.4	590.5	607.9
80°	468.9	458.5	434.2	434.2	444.6
82.5°	319.6	309.1	291.8	295.2	281.4
85°	177.1	166.7	170.2	170.2	152.8
87.5°	72.9	72.9	72.9	66.0	59.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)