

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: P567196

Luminaire Tested: **8SNX-102SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567196
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-L840-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

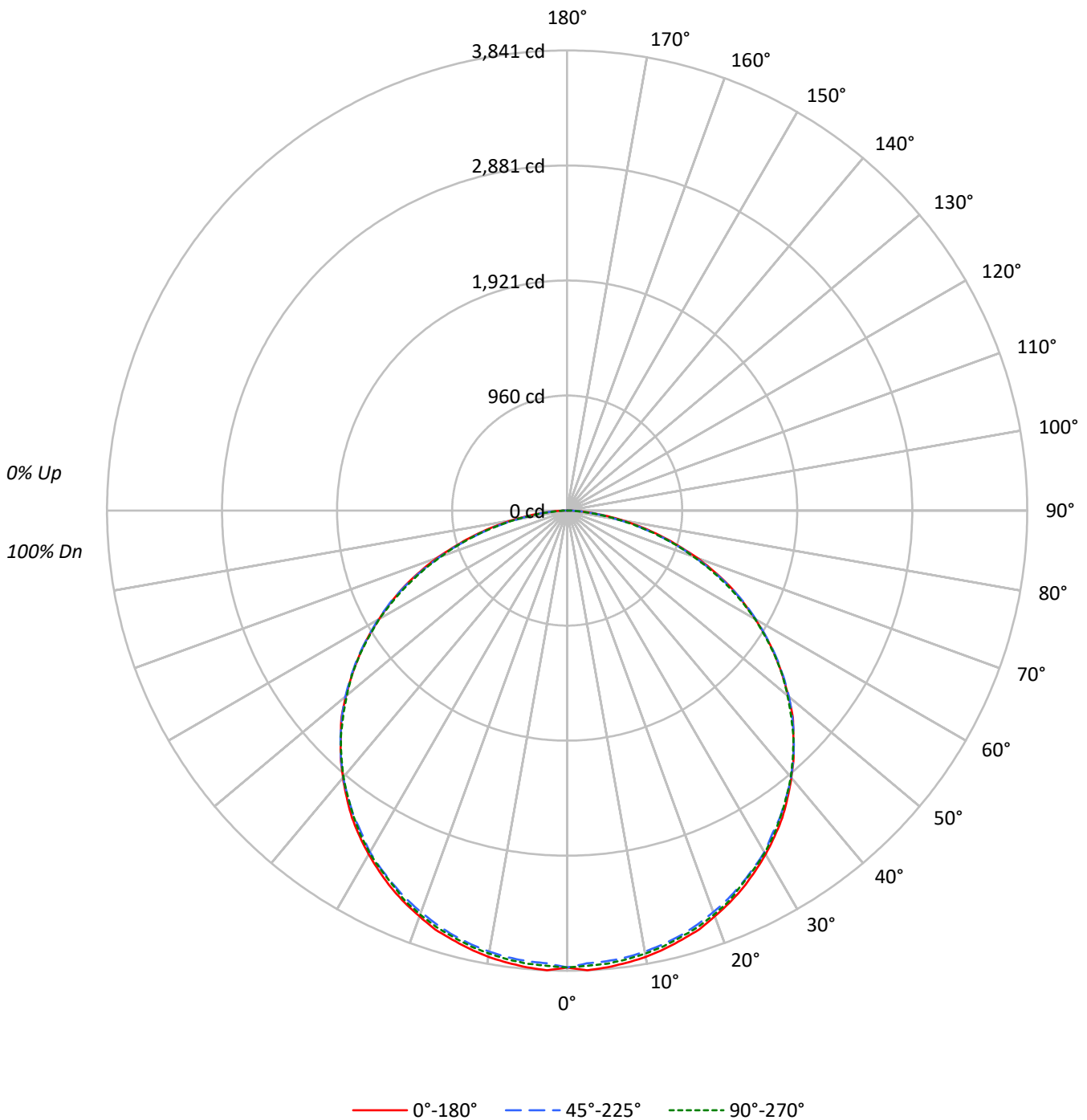
Lumens per Lamp: N/A
Luminaire Lumens: 11403.0 lumens
Efficiency: N/A
Efficacy: 162.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	20525	20525	20525
5°	20678	20400	20511
10°	20673	20430	20523
15°	20657	20447	20523
20°	20644	20428	20546
25°	20631	20427	20468
30°	20589	20461	20504
35°	20572	20415	20438
40°	20457	20433	20409
45°	20335	20361	20335
50°	20187	20245	20101
55°	19920	19984	19888
60°	19529	19602	19491
65°	19130	18999	18737
70°	18187	17810	17594
75°	16617	16047	16118
80°	14350	13287	13606
85°	10800	10380	9318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.8	3.2
10°-20°	1042.5	9.1
20°-30°	1595.1	14.0
30°-40°	1950.3	17.1
40°-50°	2063.1	18.1
50°-60°	1900.9	16.7
60°-70°	1464.8	12.8
70°-80°	820.7	7.2
80°-90°	204.0	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°	2999.4	26.3
0°-40°	4949.7	43.4
0°-60°	8913.6	78.2
0°-90°	11403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11403.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3814	3814	3814	3814	3814	
5°	3827	3814	3776	3814	3797	364
15°	3707	3700	3670	3700	3683	1047
25°	3474	3467	3440	3467	3447	1601
35°	3131	3124	3107	3118	3111	1956
45°	2672	2682	2675	2672	2672	2064
55°	2123	2140	2130	2130	2120	1896
65°	1502	1502	1492	1454	1471	1478
75°	799	789	772	744	775	847
85°	175	165	168	168	151	216
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3813.7	3813.7	3813.7	3813.7	3813.7
2.5°	3841.2	3824.0	3782.9	3820.6	3803.4
5°	3827.4	3813.7	3776.0	3813.7	3796.6
7.5°	3806.9	3796.6	3762.3	3796.6	3779.4
10°	3782.9	3772.6	3738.3	3772.6	3755.4
12.5°	3748.6	3741.7	3707.4	3741.7	3724.6
15°	3707.4	3700.5	3669.7	3700.5	3683.4
17.5°	3666.3	3652.5	3621.7	3656.0	3642.2
20°	3604.5	3597.7	3566.8	3597.7	3587.4
22.5°	3542.8	3535.9	3508.5	3535.9	3529.1
25°	3474.2	3467.3	3439.9	3467.3	3446.8
27.5°	3395.3	3398.7	3367.9	3385.0	3374.7
30°	3313.0	3313.0	3292.4	3299.3	3299.3
32.5°	3223.8	3223.8	3193.0	3213.5	3210.1
35°	3131.2	3124.4	3107.2	3117.5	3110.7
37.5°	3021.5	3018.1	3007.8	3014.6	3007.8
40°	2911.7	2915.2	2908.3	2904.9	2904.9
42.5°	2798.6	2805.4	2795.1	2791.7	2788.3
45°	2671.7	2682.0	2675.1	2671.7	2671.7
47.5°	2555.1	2558.5	2548.2	2544.8	2534.5
50°	2411.0	2424.7	2417.9	2411.0	2400.7
52.5°	2267.0	2287.5	2273.8	2267.0	2267.0
55°	2122.9	2140.1	2129.8	2129.8	2119.5
57.5°	1972.0	1989.2	1975.5	1975.5	1961.7
60°	1814.3	1831.4	1821.1	1810.8	1810.8
62.5°	1656.5	1670.2	1666.8	1649.6	1639.4
65°	1502.2	1502.2	1491.9	1454.2	1471.3
67.5°	1327.3	1323.8	1310.1	1272.4	1296.4
70°	1155.8	1155.8	1131.8	1087.2	1118.1
72.5°	970.6	980.9	950.0	919.1	950.0
75°	799.1	788.8	771.7	744.2	775.1
77.5°	634.5	617.3	596.8	583.0	600.2
80°	463.0	452.7	428.7	428.7	439.0
82.5°	315.5	305.2	288.1	291.5	277.8
85°	174.9	164.6	168.1	168.1	150.9
87.5°	72.0	72.0	72.0	65.2	58.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)