

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: P567194

Luminaire Tested: **8SNX-102SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567194
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-L830-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

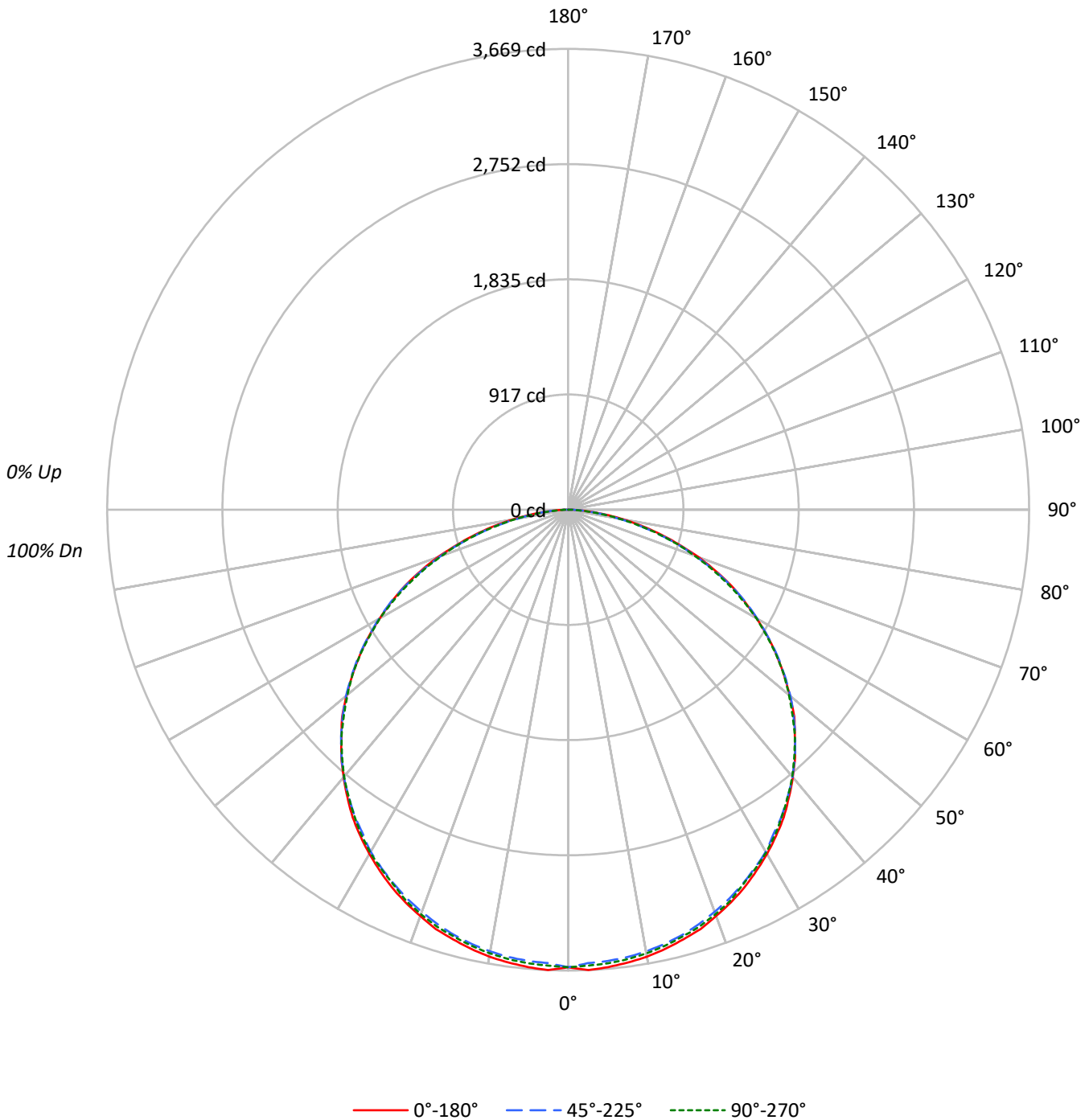
Lumens per Lamp: N/A
Luminaire Lumens: 10892.0 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	19605	19605	19605
5°	19751	19486	19592
10°	19747	19514	19603
15°	19731	19530	19603
20°	19719	19513	19625
25°	19706	19512	19551
30°	19666	19544	19585
35°	19651	19500	19522
40°	19540	19517	19494
45°	19423	19448	19423
50°	19283	19337	19200
55°	19027	19088	18996
60°	18654	18724	18618
65°	18273	18147	17897
70°	17372	17012	16804
75°	15872	15327	15396
80°	13705	12692	12996
85°	10319	9911	8898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.6	3.2
10°-20°	995.8	9.1
20°-30°	1523.6	14.0
30°-40°	1862.9	17.1
40°-50°	1970.6	18.1
50°-60°	1815.7	16.7
60°-70°	1399.1	12.8
70°-80°	783.9	7.2
80°-90°	194.8	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°	2864.9	26.3
0°-40°	4727.8	43.4
0°-60°	8514.1	78.2
0°-90°	10892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10892.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3643	3643	3643	3643	3643	
5°	3656	3643	3607	3643	3626	348
15°	3541	3535	3505	3535	3518	1001
25°	3318	3312	3286	3312	3292	1529
35°	2991	2984	2968	2978	2971	1869
45°	2552	2562	2555	2552	2552	1971
55°	2028	2044	2034	2034	2024	1811
65°	1435	1435	1425	1389	1405	1411
75°	763	754	737	711	740	809
85°	167	157	160	160	144	206
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3642.8	3642.8	3642.8	3642.8	3642.8
2.5°	3669.0	3652.6	3613.3	3649.4	3633.0
5°	3655.9	3642.8	3606.8	3642.8	3626.4
7.5°	3636.3	3626.4	3593.7	3626.4	3610.1
10°	3613.3	3603.5	3570.8	3603.5	3587.1
12.5°	3580.6	3574.0	3541.3	3574.0	3557.6
15°	3541.3	3534.7	3505.2	3534.7	3518.3
17.5°	3502.0	3488.9	3459.4	3492.1	3479.0
20°	3443.0	3436.4	3407.0	3436.4	3426.6
22.5°	3384.0	3377.5	3351.3	3377.5	3370.9
25°	3318.5	3312.0	3285.7	3312.0	3292.3
27.5°	3243.2	3246.4	3217.0	3233.3	3223.5
30°	3164.5	3164.5	3144.9	3151.4	3151.4
32.5°	3079.4	3079.4	3049.9	3069.5	3066.3
35°	2990.9	2984.4	2968.0	2977.8	2971.3
37.5°	2886.1	2882.8	2873.0	2879.5	2873.0
40°	2781.3	2784.5	2778.0	2774.7	2774.7
42.5°	2673.1	2679.7	2669.9	2666.6	2663.3
45°	2551.9	2561.8	2555.2	2551.9	2551.9
47.5°	2440.6	2443.8	2434.0	2430.7	2420.9
50°	2303.0	2316.1	2309.5	2303.0	2293.1
52.5°	2165.4	2185.0	2171.9	2165.4	2165.4
55°	2027.8	2044.2	2034.3	2034.3	2024.5
57.5°	1883.7	1900.0	1886.9	1886.9	1873.8
60°	1733.0	1749.3	1739.5	1729.7	1729.7
62.5°	1582.3	1595.4	1592.1	1575.7	1565.9
65°	1434.9	1434.9	1425.0	1389.0	1405.4
67.5°	1267.8	1264.5	1251.4	1215.4	1238.3
70°	1104.0	1104.0	1081.1	1038.5	1067.9
72.5°	927.1	936.9	907.4	877.9	907.4
75°	763.3	753.5	737.1	710.9	740.4
77.5°	606.0	589.7	570.0	556.9	573.3
80°	442.2	432.4	409.5	409.5	419.3
82.5°	301.4	291.6	275.2	278.5	265.3
85°	167.1	157.2	160.5	160.5	144.1
87.5°	68.8	68.8	68.8	62.2	55.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)