

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: P567195

Luminaire Tested: **8SNX-102SL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567195  
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-L835-CD  
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

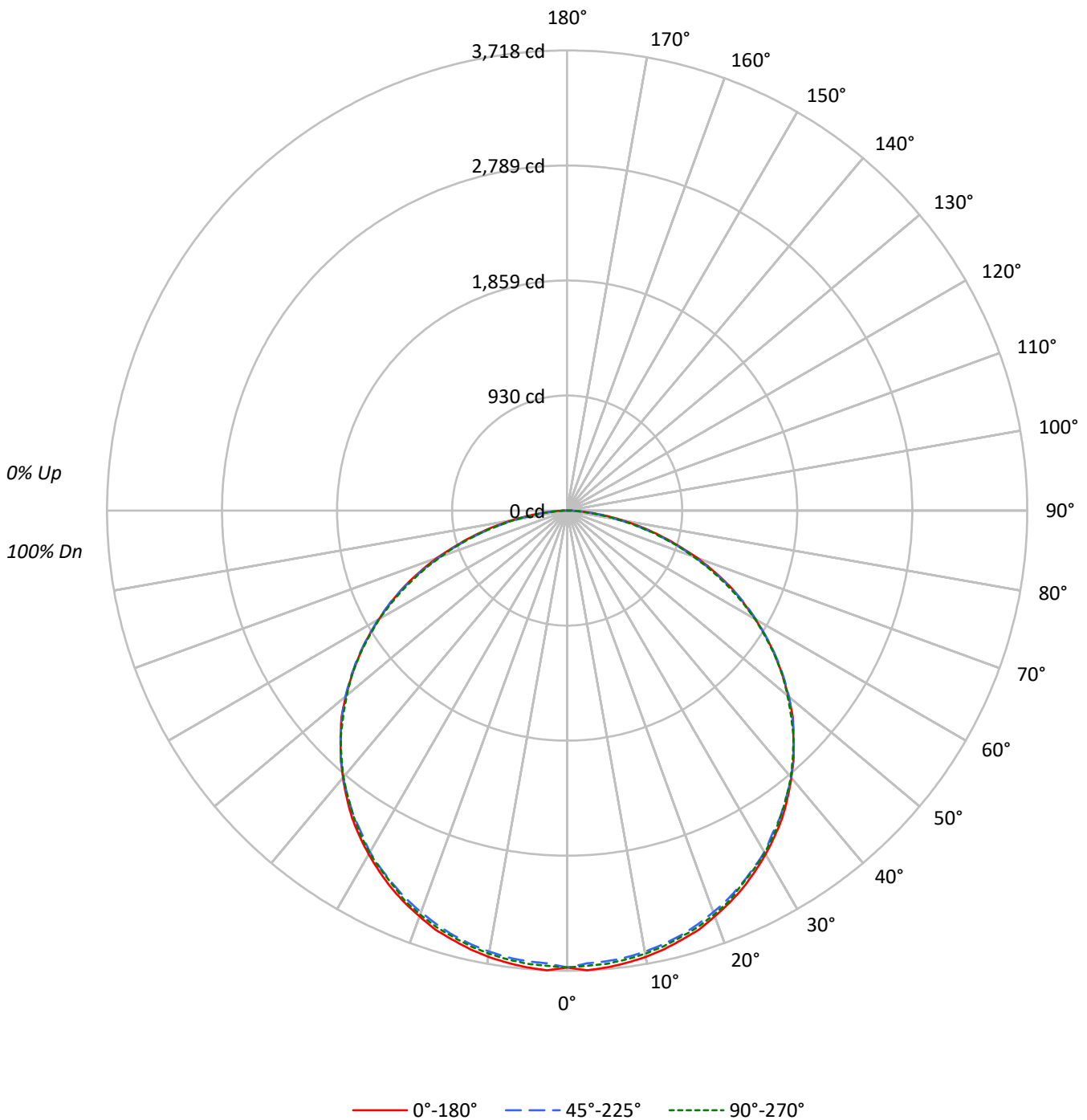
Lumens per Lamp: N/A  
Luminaire Lumens: 11038.0 lumens  
Efficiency: N/A  
Efficacy: 157.7 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	19869	19869	19869
5°	20016	19747	19855
10°	20012	19776	19866
15°	19996	19792	19866
20°	19983	19774	19888
25°	19971	19773	19813
30°	19930	19806	19847
35°	19914	19762	19783
40°	19802	19779	19755
45°	19683	19709	19683
50°	19541	19597	19458
55°	19282	19344	19251
60°	18904	18975	18868
65°	18518	18390	18137
70°	17605	17239	17031
75°	16084	15533	15602
80°	13891	12862	13169
85°	10454	10047	9022



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.2	3.2
10°-20°	1009.1	9.1
20°-30°	1544.0	14.0
30°-40°	1887.9	17.1
40°-50°	1997.0	18.1
50°-60°	1840.0	16.7
60°-70°	1417.9	12.8
70°-80°	794.4	7.2
80°-90°	197.5	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°	2903.3	26.3
0°-40°	4791.2	43.4
0°-60°	8628.2	78.2
0°-90°	11038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11038.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3692	3692	3692	3692	3692	
5°	3705	3692	3655	3692	3675	352
15°	3589	3582	3552	3582	3566	1014
25°	3363	3356	3330	3356	3336	1550
35°	3031	3024	3008	3018	3011	1894
45°	2586	2596	2590	2586	2586	1998
55°	2055	2072	2062	2062	2052	1835
65°	1454	1454	1444	1408	1424	1430
75°	774	764	747	720	750	820
85°	169	159	163	163	146	209
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3691.7	3691.7	3691.7	3691.7	3691.7
2.5°	3718.2	3701.6	3661.8	3698.3	3681.7
5°	3704.9	3691.7	3655.1	3691.7	3675.1
7.5°	3685.0	3675.1	3641.9	3675.1	3658.5
10°	3661.8	3651.8	3618.6	3651.8	3635.2
12.5°	3628.6	3621.9	3588.7	3621.9	3605.3
15°	3588.7	3582.1	3552.2	3582.1	3565.5
17.5°	3548.9	3535.6	3505.7	3538.9	3525.7
20°	3489.1	3482.5	3452.6	3482.5	3472.5
22.5°	3429.4	3422.7	3396.2	3422.7	3416.1
25°	3363.0	3356.3	3329.8	3356.3	3336.4
27.5°	3286.6	3290.0	3260.1	3276.7	3266.7
30°	3207.0	3207.0	3187.0	3193.7	3193.7
32.5°	3120.6	3120.6	3090.8	3110.7	3107.4
35°	3031.0	3024.4	3007.8	3017.7	3011.1
37.5°	2924.8	2921.5	2911.5	2918.1	2911.5
40°	2818.5	2821.9	2815.2	2811.9	2811.9
42.5°	2709.0	2715.6	2705.7	2702.3	2699.0
45°	2586.1	2596.1	2589.5	2586.1	2586.1
47.5°	2473.3	2476.6	2466.6	2463.3	2453.4
50°	2333.8	2347.1	2340.5	2333.8	2323.9
52.5°	2194.4	2214.3	2201.0	2194.4	2194.4
55°	2055.0	2071.6	2061.6	2061.6	2051.7
57.5°	1908.9	1925.5	1912.2	1912.2	1898.9
60°	1756.2	1772.8	1762.8	1752.9	1752.9
62.5°	1603.5	1616.8	1613.4	1596.8	1586.9
65°	1454.1	1454.1	1444.1	1407.6	1424.2
67.5°	1284.8	1281.5	1268.2	1231.7	1254.9
70°	1118.8	1118.8	1095.5	1052.4	1082.3
72.5°	939.5	949.5	919.6	889.7	919.6
75°	773.5	763.6	747.0	720.4	750.3
77.5°	614.2	597.6	577.7	564.4	581.0
80°	448.2	438.2	415.0	415.0	424.9
82.5°	305.4	295.5	278.9	282.2	268.9
85°	169.3	159.4	162.7	162.7	146.1
87.5°	69.7	69.7	69.7	63.1	56.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)