

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: P568202

Luminaire Tested: **8SNX-SL3-LN-UNV-CC83-CD-4000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-SL3-LN-UNV-CC83-CD-4000K-LOW
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, LOW LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

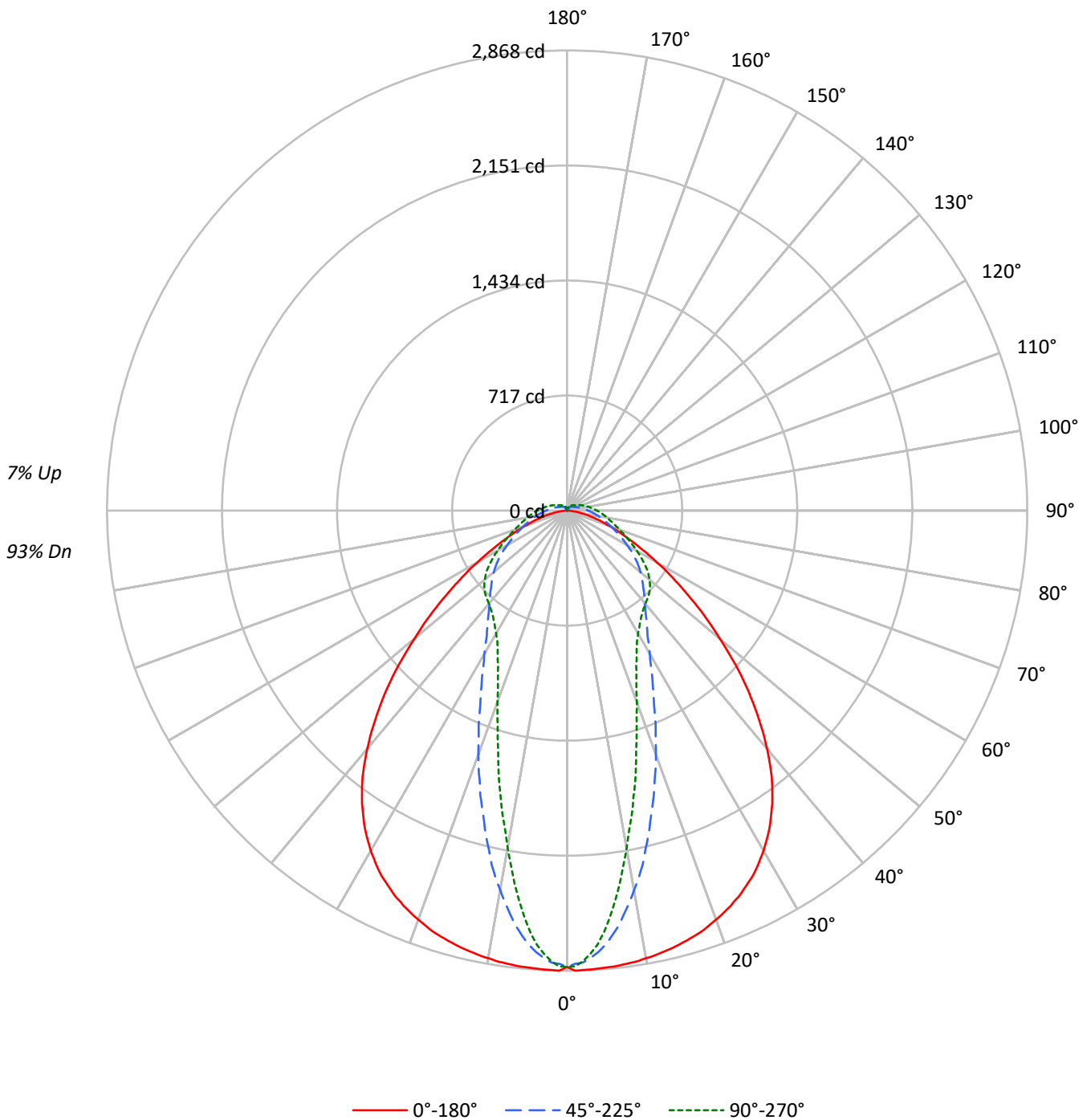
Lumens per Lamp: N/A
Luminaire Lumens: 4534.0 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32.274
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P568202

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-4000K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P568202

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-4000K-LOW

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	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15308	15308	15308
5°	15416	14087	13464
10°	15422	12092	10446
15°	15444	9875	7829
20°	15425	7875	5859
25°	15316	6177	4650
30°	15029	5004	3966
35°	14434	4239	3608
40°	13389	3747	3415
45°	11941	3432	3309
50°	10154	3162	3127
55°	8379	2869	2856
60°	6739	2527	2505
65°	5272	2222	2179
70°	4138	1969	1928
75°	3255	1773	1756
80°	2370	1627	1633
85°	1421	1522	1566



TEST NUMBER: P568202

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-4000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.9	5.6
10°-20°	590.4	13.0
20°-30°	700.8	15.5
30°-40°	705.1	15.6
40°-50°	655.4	14.5
50°-60°	539.7	11.9
60°-70°	380.3	8.4
70°-80°	248.5	5.5
80°-90°	158.6	3.5
90°-100°	104.0	2.3
100°-110°	70.6	1.6
110°-120°	48.4	1.1
120°-130°	33.5	0.7
130°-140°	22.5	0.5
140°-150°	13.9	0.3
150°-160°	7.2	0.2
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1543.1	34.0
0°-40°	2248.2	49.6
0°-60°	3443.4	75.9
0°-90°	4230.8	93.3
90°-120°	223.1	4.9
90°-150°	293.0	6.5
90°-180°	303.0	6.7
0°-180°	4534.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2844	2844	2844	2844	2844	
5°	2859	2821	2718	2666	2638	272
15°	2787	2490	2003	1751	1656	787
25°	2604	1925	1276	1072	1026	1198
35°	2229	1302	865	810	806	1386
45°	1602	858	670	706	725	1230
55°	920	563	518	575	594	831
65°	432	340	356	402	416	439
75°	169	176	240	283	295	182
85°	28	81	162	209	219	36
90°	0	55	131	178	185	2
95°	0	40	109	150	157	0
105°	0	28	74	105	114	0
115°	2	24	52	76	81	2
125°	2	19	43	55	59	2
135°	2	17	33	43	45	2
145°	2	12	24	33	36	2
155°	2	10	17	24	26	1
165°	2	5	10	12	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



TEST NUMBER: P568202

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2844.3	2844.3	2844.3	2844.3	2844.3
1°	2868.1	2856.2	2825.3	2846.7	2841.9
2°	2865.7	2853.8	2818.2	2827.7	2811.0
3°	2863.3	2846.7	2792.0	2789.7	2765.9
4°	2860.9	2834.8	2758.8	2730.3	2711.2
5°	2858.6	2820.6	2718.4	2666.1	2637.6
6°	2856.2	2803.9	2666.1	2587.7	2547.3
7°	2851.4	2777.8	2611.4	2504.5	2452.2
8°	2846.7	2754.0	2542.5	2414.2	2350.1
9°	2841.9	2723.1	2473.6	2316.8	2240.8
10°	2832.4	2692.2	2402.3	2217.0	2136.2
11°	2827.7	2656.6	2333.4	2121.9	2026.9
12°	2818.2	2618.6	2259.8	2022.1	1939.0
13°	2808.7	2578.2	2169.5	1936.6	1836.8
14°	2799.2	2535.4	2091.1	1841.6	1748.9
15°	2787.3	2490.3	2003.1	1751.3	1656.2
16°	2775.4	2438.0	1924.7	1658.6	1558.8
17°	2763.5	2388.1	1851.1	1573.0	1482.8
18°	2749.3	2338.2	1765.5	1489.9	1402.0
19°	2730.3	2281.2	1696.6	1413.8	1333.0
20°	2713.6	2228.9	1618.2	1342.6	1271.3
21°	2694.6	2164.7	1539.8	1276.0	1204.7
22.5°	2666.1	2074.4	1440.0	1192.9	1126.3
23°	2651.8	2048.3	1399.6	1162.0	1104.9
24°	2632.8	1979.4	1333.0	1114.4	1057.4
25°	2604.3	1924.7	1276.0	1071.7	1026.5
26°	2578.2	1858.2	1219.0	1033.6	988.5
27°	2552.0	1794.0	1169.1	993.3	955.2
28°	2518.8	1727.5	1114.4	960.0	926.7
29°	2483.1	1665.7	1069.3	931.5	905.3
30°	2447.5	1596.8	1031.3	905.3	883.9
32.5°	2347.7	1444.7	933.8	855.4	841.2
35°	2228.9	1302.2	864.9	810.3	805.5
37.5°	2095.8	1171.5	803.2	774.6	779.4
40°	1939.0	1052.7	750.9	748.5	758.0
42.5°	1772.6	950.5	710.5	727.1	741.4
45°	1601.6	857.8	670.1	705.7	724.7
47.5°	1423.3	777.0	634.4	679.6	701.0
50°	1242.8	698.6	596.4	648.7	670.1
52.5°	1081.2	629.7	558.4	613.1	636.8
55°	919.6	563.2	518.0	575.0	594.1
57.5°	779.4	501.4	475.2	532.3	546.5
60°	648.7	442.0	432.5	484.7	501.4
62.5°	529.9	389.7	392.1	442.0	458.6
65°	432.5	339.8	356.4	401.6	415.8



TEST NUMBER: P568202

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-4000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	351.7	292.3	320.8	368.3	380.2
70°	278.0	249.5	292.3	335.0	346.9
72.5°	221.0	211.5	263.8	308.9	318.4
75°	168.7	175.8	240.0	282.8	294.6
77.5°	121.2	147.3	216.2	261.4	270.9
80°	85.5	121.2	197.2	242.4	251.9
82.5°	54.7	99.8	178.2	225.7	235.2
85°	28.5	80.8	161.6	209.1	218.6
87.5°	11.9	66.5	144.9	192.5	202.0
90°	0.0	54.7	130.7	178.2	185.3
92.5°	0.0	47.5	118.8	164.0	171.1
95°	0.0	40.4	109.3	149.7	156.8
97.5°	0.0	38.0	97.4	137.8	144.9
100°	0.0	33.3	87.9	125.9	135.4
102.5°	0.0	30.9	80.8	114.1	123.6
105°	0.0	28.5	73.7	104.6	114.1
107.5°	0.0	26.1	68.9	97.4	104.6
110°	0.0	26.1	61.8	90.3	97.4
112.5°	2.4	23.8	57.0	80.8	87.9
115°	2.4	23.8	52.3	76.0	80.8
117.5°	2.4	23.8	49.9	68.9	73.7
120°	2.4	21.4	47.5	64.2	68.9
122.5°	2.4	21.4	45.1	59.4	61.8
125°	2.4	19.0	42.8	54.7	59.4
127.5°	2.4	19.0	40.4	52.3	54.7
130°	2.4	19.0	38.0	47.5	52.3
132.5°	2.4	16.6	35.6	45.1	47.5
135°	2.4	16.6	33.3	42.8	45.1
137.5°	2.4	14.3	30.9	40.4	42.8
140°	2.4	14.3	28.5	38.0	40.4
142.5°	2.4	11.9	26.1	35.6	38.0
145°	2.4	11.9	23.8	33.3	35.6
147.5°	2.4	11.9	21.4	30.9	33.3
150°	2.4	9.5	19.0	28.5	30.9
152.5°	2.4	9.5	16.6	26.1	28.5
155°	2.4	9.5	16.6	23.8	26.1
157.5°	2.4	7.1	14.3	19.0	23.8
160°	2.4	7.1	11.9	16.6	21.4
162.5°	2.4	7.1	11.9	14.3	16.6
165°	2.4	4.8	9.5	11.9	14.3
167.5°	2.4	4.8	7.1	9.5	11.9
170°	2.4	4.8	7.1	7.1	9.5
172.5°	2.4	4.8	4.8	4.8	4.8
175°	4.8	4.8	4.8	4.8	2.4
177.5°	4.8	4.8	4.8	2.4	2.4



TEST NUMBER: P568202

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-4000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)