

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: P568147

Luminaire Tested: **8SNX-96SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568147  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-96SL-SLW-UNV-L835-CD  
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

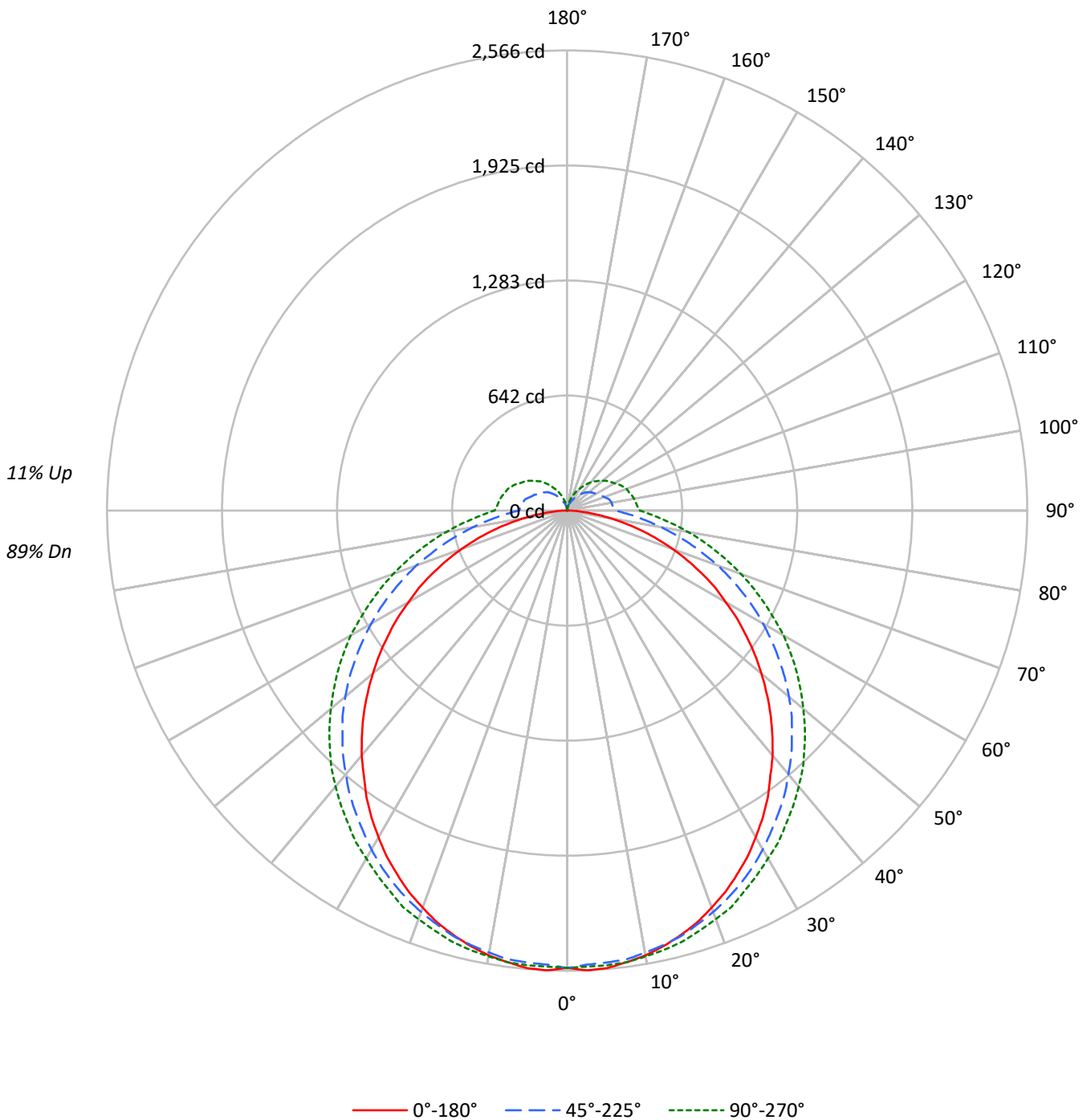
Lumens per Lamp: N/A  
Luminaire Lumens: 9079.1 lumens  
Efficiency: N/A  
Efficacy: 141.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 64.2  
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

TEST NUMBER: P568147

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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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

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

	0°	45°	90°
0°	13726	13726	13726
5°	13822	13381	13362
10°	13740	13119	13031
15°	13615	12849	12726
20°	13442	12538	12387
25°	13238	12234	12033
30°	12994	11898	11682
35°	12725	11550	11353
40°	12416	11208	11038
45°	12082	10859	10697
50°	11699	10490	10316
55°	11279	10046	9940
60°	10786	9571	9523
65°	10285	9037	8996
70°	9573	8447	8481
75°	8632	7697	7912
80°	7081	6937	7349
85°	5228	6293	6772



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.2	2.7
10°-20°	696.3	7.7
20°-30°	1058.7	11.7
30°-40°	1285.1	14.2
40°-50°	1358.0	15.0
50°-60°	1270.8	14.0
60°-70°	1042.7	11.5
70°-80°	717.2	7.9
80°-90°	392.7	4.3
90°-100°	252.9	2.8
100°-110°	227.0	2.5
110°-120°	187.9	2.1
120°-130°	144.7	1.6
130°-140°	101.6	1.1
140°-150°	61.2	0.7
150°-160°	29.3	0.3
160°-170°	9.6	0.1
170°-180°	1.1	0.0
0°-30°	1997.2	22.0
0°-40°	3282.3	36.2
0°-60°	5911.1	65.1
0°-90°	8063.7	88.8
90°-120°	667.7	7.4
90°-150°	975.3	10.7
90°-180°	1015.0	11.2
0°-180°	9079.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2550	2550	2550	2550	2550	
5°	2561	2556	2529	2550	2545	243
15°	2450	2461	2456	2487	2487	691
25°	2240	2266	2293	2340	2340	1032
35°	1951	1998	2056	2114	2130	1219
45°	1604	1677	1772	1851	1872	1236
55°	1220	1320	1441	1530	1562	1092
65°	826	936	1078	1178	1209	818
75°	431	547	705	815	852	454
85°	95	226	384	489	526	109
90°	0	126	268	368	405	6
95°	0	121	258	352	389	0
105°	0	100	242	331	363	3
115°	5	89	205	294	331	5
125°	5	74	174	252	284	5
135°	5	58	142	205	231	4
145°	5	42	100	158	174	3
155°	5	26	63	100	116	2
165°	5	16	32	47	58	2
175°	5	5	10	10	5	1
180°	5	5	5	5	5	



TEST NUMBER: P568147

CATALOG NUMBER: 8SNX-96SL-SLW-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2550.3	2550.3	2550.3	2550.3	2550.3
2.5°	2566.1	2560.8	2534.5	2555.6	2545.1
5°	2560.8	2555.6	2529.3	2550.3	2545.1
7.5°	2539.8	2539.8	2524.0	2545.1	2539.8
10°	2518.8	2518.8	2503.0	2529.3	2524.0
12.5°	2487.2	2492.5	2482.0	2513.5	2508.2
15°	2450.4	2460.9	2455.7	2487.2	2487.2
17.5°	2408.3	2418.9	2418.9	2455.7	2455.7
20°	2355.8	2371.5	2382.0	2424.1	2424.1
22.5°	2303.2	2324.2	2340.0	2376.8	2392.6
25°	2240.1	2266.4	2292.7	2340.0	2340.0
27.5°	2177.0	2208.5	2240.1	2287.4	2292.7
30°	2103.4	2140.2	2182.2	2229.6	2240.1
32.5°	2029.7	2077.1	2119.1	2177.0	2192.7
35°	1950.9	1998.2	2056.0	2113.9	2129.6
37.5°	1861.5	1919.3	1992.9	2056.0	2071.8
40°	1782.6	1845.7	1919.3	1992.9	2008.7
42.5°	1693.2	1761.6	1850.9	1919.3	1945.6
45°	1603.8	1677.4	1772.1	1850.9	1872.0
47.5°	1509.2	1593.3	1698.5	1772.1	1798.4
50°	1414.5	1503.9	1614.3	1698.5	1719.5
52.5°	1319.9	1414.5	1530.2	1614.3	1640.6
55°	1219.9	1319.9	1440.8	1530.2	1561.7
57.5°	1125.3	1225.2	1351.4	1446.1	1477.6
60°	1020.1	1135.8	1262.0	1356.7	1393.5
62.5°	930.7	1035.9	1172.6	1267.3	1298.8
65°	825.6	936.0	1078.0	1177.9	1209.4
67.5°	725.7	841.3	983.3	1088.5	1120.0
70°	625.7	741.4	893.9	993.8	1030.6
72.5°	525.8	646.8	794.0	904.4	941.2
75°	431.2	546.9	704.6	815.0	851.9
77.5°	331.3	457.5	615.2	725.7	767.7
80°	241.9	373.3	531.1	641.5	683.6
82.5°	163.0	294.5	452.2	562.6	604.7
85°	94.7	226.1	383.9	489.0	525.8
87.5°	47.3	173.5	320.8	425.9	462.7
90°	0.0	126.2	268.2	368.1	404.9
92.5°	0.0	120.9	262.9	357.6	394.4
95°	0.0	120.9	257.7	352.3	389.1
97.5°	0.0	115.7	252.4	352.3	383.9
100°	0.0	110.4	252.4	347.1	378.6
102.5°	0.0	105.2	247.1	341.8	373.3
105°	0.0	99.9	241.9	331.3	362.8
107.5°	5.3	99.9	231.4	326.0	357.6
110°	5.3	94.7	220.9	320.8	352.3



TEST NUMBER: P568147

CATALOG NUMBER: 8SNX-96SL-SLW-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.3	89.4	210.3	310.2	341.8
115°	5.3	89.4	205.1	294.5	331.3
117.5°	5.3	84.1	194.6	284.0	320.8
120°	5.3	84.1	189.3	273.4	305.0
122.5°	5.3	78.9	178.8	262.9	294.5
125°	5.3	73.6	173.5	252.4	284.0
127.5°	5.3	68.4	168.3	241.9	273.4
130°	5.3	63.1	157.8	231.4	257.7
132.5°	5.3	63.1	152.5	215.6	247.1
135°	5.3	57.8	142.0	205.1	231.4
137.5°	5.3	52.6	131.5	194.6	220.9
140°	5.3	47.3	120.9	184.0	205.1
142.5°	5.3	47.3	110.4	168.3	189.3
145°	5.3	42.1	99.9	157.8	173.5
147.5°	5.3	36.8	89.4	142.0	157.8
150°	5.3	36.8	78.9	126.2	142.0
152.5°	5.3	31.6	68.4	115.7	131.5
155°	5.3	26.3	63.1	99.9	115.7
157.5°	5.3	26.3	52.6	84.1	99.9
160°	5.3	21.0	47.3	68.4	84.1
162.5°	5.3	21.0	42.1	57.8	73.6
165°	5.3	15.8	31.6	47.3	57.8
167.5°	5.3	15.8	26.3	36.8	47.3
170°	5.3	10.5	21.0	26.3	36.8
172.5°	5.3	10.5	15.8	15.8	15.8
175°	5.3	5.3	10.5	10.5	5.3
177.5°	5.3	5.3	5.3	5.3	5.3
180°	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)