

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: P568139

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568139  
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-LW-UNV-L835-CD  
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

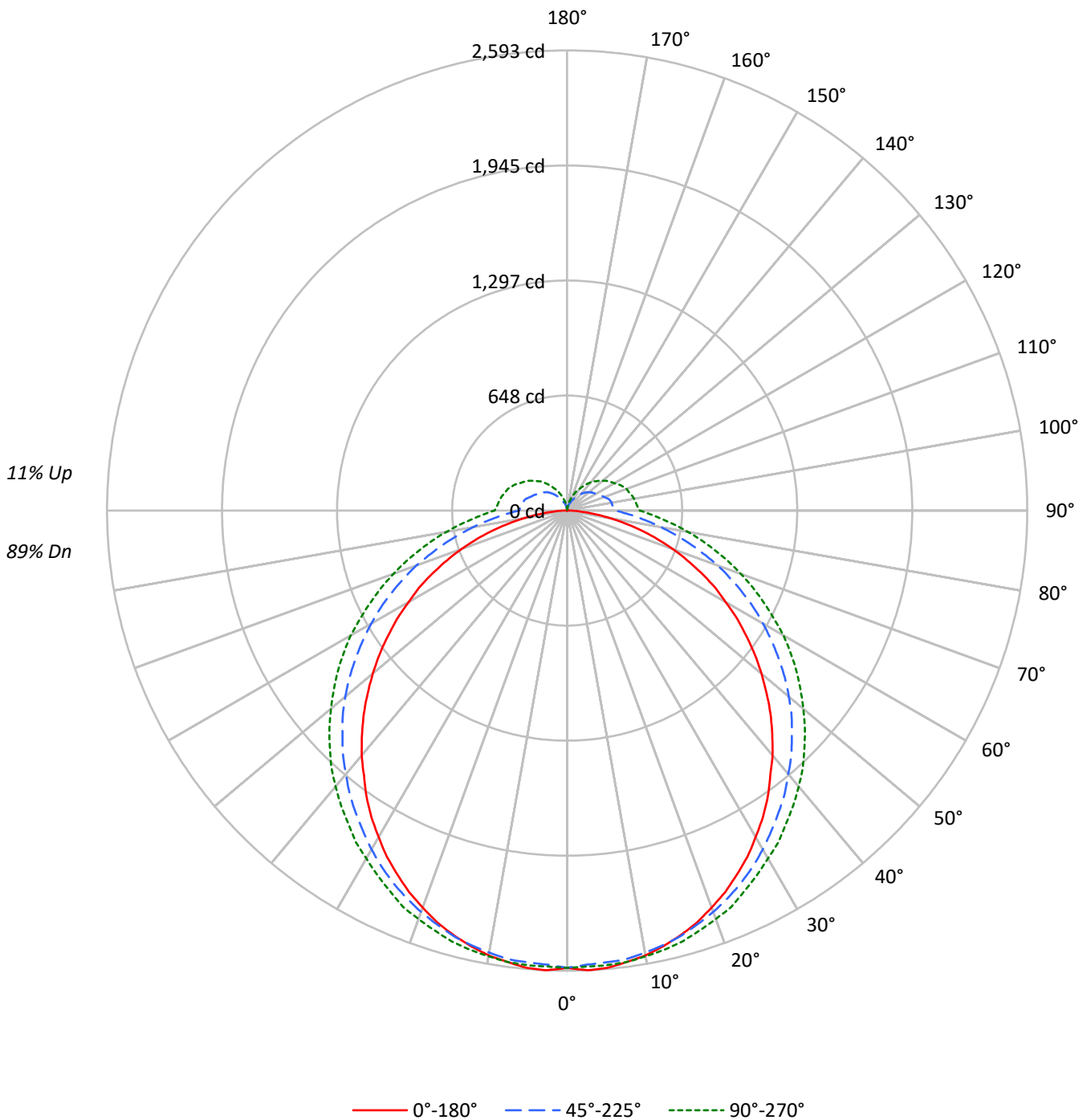
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9173.0 lumens  
Efficiency: N/A  
Efficacy: 142.9 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: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 64.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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°	13868	13868	13868
5°	13952	13243	13126
10°	13856	12729	12471
15°	13718	12231	11880
20°	13529	11712	11288
25°	13311	11214	10710
30°	13050	10699	10156
35°	12764	10182	9638
40°	12436	9677	9144
45°	12082	9169	8637
50°	11676	8647	8106
55°	11232	8062	7584
60°	10708	7451	7033
65°	10168	6790	6404
70°	9410	6085	5787
75°	8406	5260	5131
80°	6774	4427	4478
85°	4768	3652	3806



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.7	2.7
10°-20°	703.5	7.7
20°-30°	1069.6	11.7
30°-40°	1298.4	14.2
40°-50°	1372.1	15.0
50°-60°	1283.9	14.0
60°-70°	1053.5	11.5
70°-80°	724.6	7.9
80°-90°	396.8	4.3
90°-100°	255.5	2.8
100°-110°	229.3	2.5
110°-120°	189.8	2.1
120°-130°	146.1	1.6
130°-140°	102.7	1.1
140°-150°	61.9	0.7
150°-160°	29.6	0.3
160°-170°	9.7	0.1
170°-180°	1.2	0.0
0°-30°	2017.9	22.0
0°-40°	3316.3	36.2
0°-60°	5972.3	65.1
0°-90°	8147.2	88.8
90°-120°	674.6	7.4
90°-150°	985.3	10.7
90°-180°	1026.0	11.2
0°-180°	9173.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2577	2577	2577	2577	2577	
5°	2587	2582	2556	2577	2571	245
15°	2476	2486	2481	2513	2513	698
25°	2263	2290	2316	2364	2364	1043
35°	1971	2019	2077	2136	2152	1231
45°	1620	1695	1790	1870	1891	1249
55°	1233	1334	1456	1546	1578	1103
65°	834	946	1089	1190	1222	826
75°	436	552	712	824	861	459
85°	96	228	388	494	531	111
90°	0	128	271	372	409	7
95°	0	122	260	356	393	0
105°	0	101	244	335	367	3
115°	5	90	207	298	335	5
125°	5	74	175	255	287	5
135°	5	58	143	207	234	4
145°	5	42	101	159	175	3
155°	5	27	64	101	117	2
165°	5	16	32	48	58	2
175°	5	5	11	11	5	1
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2576.7	2576.7	2576.7	2576.7	2576.7
2.5°	2592.7	2587.3	2560.8	2582.0	2571.4
5°	2587.3	2582.0	2555.5	2576.7	2571.4
7.5°	2566.1	2566.1	2550.2	2571.4	2566.1
10°	2544.8	2544.8	2528.9	2555.5	2550.2
12.5°	2513.0	2518.3	2507.7	2539.5	2534.2
15°	2475.8	2486.4	2481.1	2513.0	2513.0
17.5°	2433.3	2443.9	2443.9	2481.1	2481.1
20°	2380.1	2396.1	2406.7	2449.2	2449.2
22.5°	2327.0	2348.3	2364.2	2401.4	2417.3
25°	2263.3	2289.8	2316.4	2364.2	2364.2
27.5°	2199.5	2231.4	2263.3	2311.1	2316.4
30°	2125.1	2162.3	2204.8	2252.6	2263.3
32.5°	2050.7	2098.6	2141.1	2199.5	2215.4
35°	1971.1	2018.9	2077.3	2135.8	2151.7
37.5°	1880.7	1939.2	2013.6	2077.3	2093.3
40°	1801.0	1864.8	1939.2	2013.6	2029.5
42.5°	1710.7	1779.8	1870.1	1939.2	1965.7
45°	1620.4	1694.8	1790.4	1870.1	1891.4
47.5°	1524.8	1609.8	1716.0	1790.4	1817.0
50°	1429.1	1519.5	1631.0	1716.0	1737.3
52.5°	1333.5	1429.1	1546.0	1631.0	1657.6
55°	1232.6	1333.5	1455.7	1546.0	1577.9
57.5°	1136.9	1237.9	1365.4	1461.0	1492.9
60°	1030.7	1147.6	1275.1	1370.7	1407.9
62.5°	940.4	1046.6	1184.8	1280.4	1312.3
65°	834.1	945.7	1089.1	1190.1	1221.9
67.5°	733.2	850.1	993.5	1099.8	1131.6
70°	632.2	749.1	903.2	1004.1	1041.3
72.5°	531.3	653.5	802.2	913.8	951.0
75°	435.7	552.5	711.9	823.5	860.7
77.5°	334.7	462.2	621.6	733.2	775.7
80°	244.4	377.2	536.6	648.2	690.7
82.5°	164.7	297.5	456.9	568.5	611.0
85°	95.6	228.5	387.8	494.1	531.3
87.5°	47.8	175.3	324.1	430.3	467.5
90°	0.0	127.5	271.0	371.9	409.1
92.5°	0.0	122.2	265.6	361.3	398.5
95°	0.0	122.2	260.3	356.0	393.1
97.5°	0.0	116.9	255.0	356.0	387.8
100°	0.0	111.6	255.0	350.6	382.5
102.5°	0.0	106.3	249.7	345.3	377.2
105°	0.0	100.9	244.4	334.7	366.6
107.5°	5.3	100.9	233.8	329.4	361.3
110°	5.3	95.6	223.1	324.1	356.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.3	90.3	212.5	313.5	345.3
115°	5.3	90.3	207.2	297.5	334.7
117.5°	5.3	85.0	196.6	286.9	324.1
120°	5.3	85.0	191.3	276.3	308.1
122.5°	5.3	79.7	180.6	265.6	297.5
125°	5.3	74.4	175.3	255.0	286.9
127.5°	5.3	69.1	170.0	244.4	276.3
130°	5.3	63.8	159.4	233.8	260.3
132.5°	5.3	63.8	154.1	217.8	249.7
135°	5.3	58.4	143.4	207.2	233.8
137.5°	5.3	53.1	132.8	196.6	223.1
140°	5.3	47.8	122.2	185.9	207.2
142.5°	5.3	47.8	111.6	170.0	191.3
145°	5.3	42.5	100.9	159.4	175.3
147.5°	5.3	37.2	90.3	143.4	159.4
150°	5.3	37.2	79.7	127.5	143.4
152.5°	5.3	31.9	69.1	116.9	132.8
155°	5.3	26.6	63.8	100.9	116.9
157.5°	5.3	26.6	53.1	85.0	100.9
160°	5.3	21.3	47.8	69.1	85.0
162.5°	5.3	21.3	42.5	58.4	74.4
165°	5.3	15.9	31.9	47.8	58.4
167.5°	5.3	15.9	26.6	37.2	47.8
170°	5.3	10.6	21.3	26.6	37.2
172.5°	5.3	10.6	15.9	15.9	15.9
175°	5.3	5.3	10.6	10.6	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)