

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: P565979

Luminaire Tested: **4SNX-100HL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565979  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-100HL-SLW-UNV-L935-CD  
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

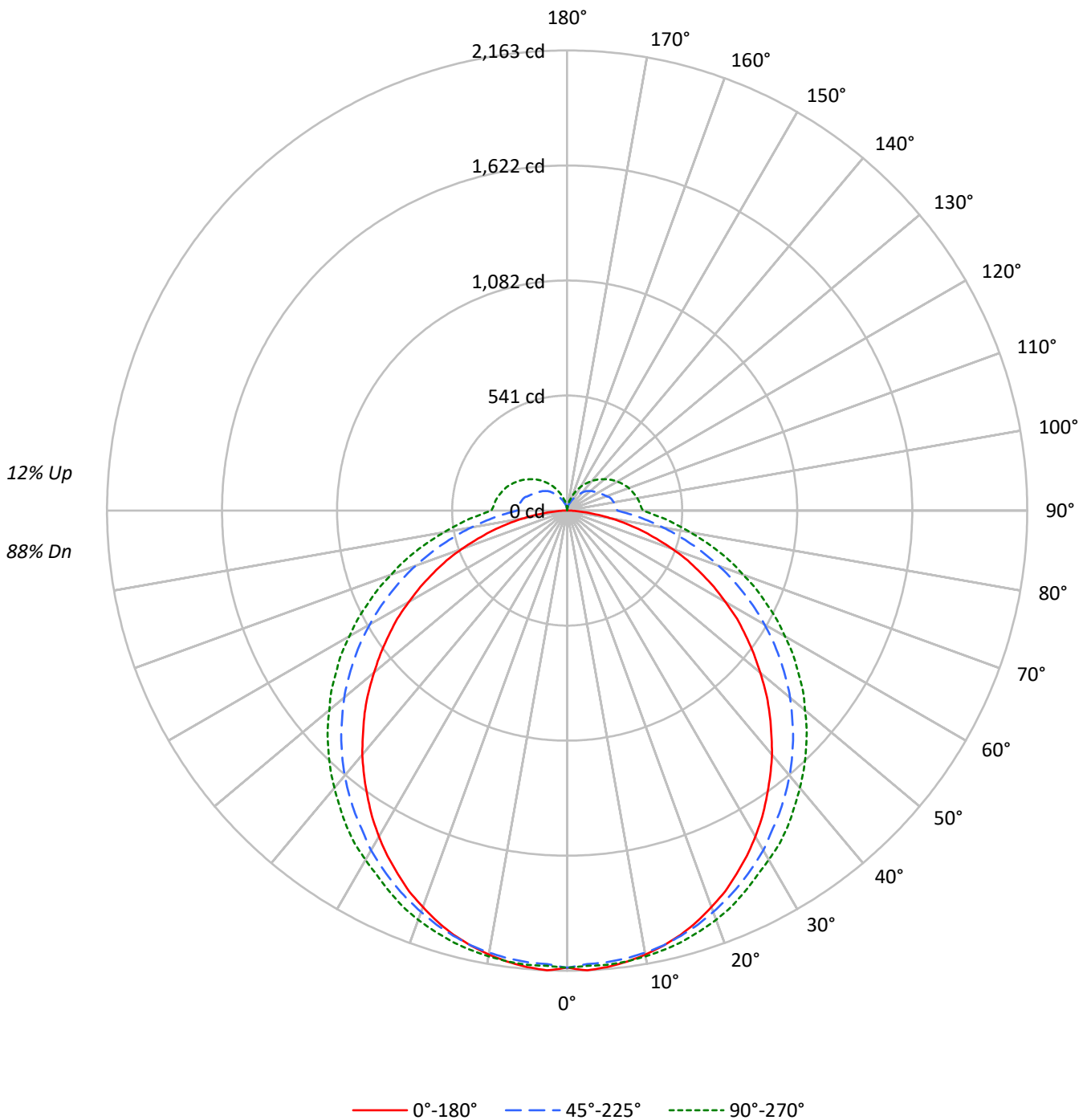
Lumens per Lamp: N/A  
Luminaire Lumens: 7735.0 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 72.5  
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

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

	0°	45°	90°
0°	23126	23126	23126
5°	23230	22537	22504
10°	23079	22092	21965
15°	22870	21612	21457
20°	22543	21088	20928
25°	22157	20561	20325
30°	21735	20032	19770
35°	21205	19441	19291
40°	20690	18900	18706
45°	20070	18301	18150
50°	19352	17663	17514
55°	18662	16917	16879
60°	17865	16109	16149
65°	16894	15188	15371
70°	15658	14149	14475
75°	13907	12953	13654
80°	11458	11765	12617
85°	7936	10705	11941



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.0	2.6
10°-20°	586.7	7.6
20°-30°	892.6	11.5
30°-40°	1085.3	14.0
40°-50°	1148.2	14.8
50°-60°	1076.3	13.9
60°-70°	885.4	11.4
70°-80°	612.6	7.9
80°-90°	340.7	4.4
90°-100°	224.4	2.9
100°-110°	201.3	2.6
110°-120°	166.6	2.2
120°-130°	128.8	1.7
130°-140°	91.2	1.2
140°-150°	55.0	0.7
150°-160°	26.4	0.3
160°-170°	8.6	0.1
170°-180°	1.1	0.0
0°-30°	1683.3	21.8
0°-40°	2768.5	35.8
0°-60°	4993.0	64.6
0°-90°	6831.7	88.3
90°-120°	592.3	7.7
90°-150°	867.2	11.2
90°-180°	903.0	11.7
0°-180°	7735.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2148	2148	2148	2148	2148	
5°	2154	2150	2131	2148	2143	204
15°	2064	2070	2069	2097	2097	582
25°	1884	1910	1933	1975	1976	868
35°	1637	1681	1738	1794	1809	1025
45°	1346	1416	1502	1570	1588	1037
55°	1024	1115	1223	1299	1326	917
65°	693	792	915	1005	1033	687
75°	360	465	601	697	735	382
85°	80	197	334	426	464	91
90°	1	111	236	324	356	5
95°	1	106	229	314	344	1
105°	1	91	215	295	322	1
115°	3	80	182	262	291	2
125°	3	68	155	224	252	2
135°	3	53	130	184	207	2
145°	3	38	90	139	156	2
155°	4	26	56	89	103	2
165°	4	17	30	41	53	1
175°	4	7	9	9	5	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 4SNX-100HL-SLW-UNV-L935-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2148.5	2148.5	2148.5	2148.5	2148.5
2.5°	2163.1	2156.4	2133.9	2148.5	2141.9
5°	2153.8	2149.8	2131.3	2148.5	2143.2
7.5°	2139.2	2137.9	2123.3	2143.2	2137.9
10°	2119.3	2122.0	2110.1	2131.3	2127.3
12.5°	2094.2	2098.1	2092.9	2116.7	2114.0
15°	2063.7	2070.3	2069.0	2096.8	2096.8
17.5°	2026.6	2035.9	2041.2	2073.0	2073.0
20°	1982.9	1997.5	2008.1	2042.5	2047.8
22.5°	1939.2	1956.4	1972.3	2008.1	2016.0
25°	1883.6	1910.1	1932.6	1975.0	1976.3
27.5°	1829.3	1858.4	1888.9	1929.9	1933.9
30°	1769.7	1806.7	1843.8	1883.6	1895.5
32.5°	1706.1	1747.1	1788.2	1841.2	1857.1
35°	1637.2	1680.9	1737.9	1793.5	1809.4
37.5°	1568.3	1617.3	1683.6	1740.5	1755.1
40°	1498.1	1552.4	1626.6	1684.9	1702.1
42.5°	1420.0	1486.2	1565.7	1627.9	1647.8
45°	1345.8	1416.0	1502.1	1569.6	1588.2
47.5°	1267.6	1341.8	1434.5	1506.1	1527.3
50°	1184.2	1269.0	1368.3	1439.8	1459.7
52.5°	1106.0	1192.1	1296.8	1370.9	1398.8
55°	1023.9	1115.3	1222.6	1299.4	1325.9
57.5°	947.1	1034.5	1149.7	1226.6	1259.7
60°	859.7	956.4	1071.6	1155.0	1181.5
62.5°	777.5	875.6	994.8	1080.9	1111.3
65°	692.8	792.1	915.3	1005.4	1033.2
67.5°	613.3	711.3	837.1	925.9	961.7
70°	525.9	629.2	757.7	849.1	879.5
72.5°	439.8	547.1	678.2	776.2	810.6
75°	360.3	464.9	601.4	696.7	735.1
77.5°	283.5	389.4	527.2	625.2	658.3
80°	206.6	317.9	458.3	555.0	586.8
82.5°	136.4	253.0	392.1	488.8	523.2
85°	79.5	197.4	333.8	426.5	463.6
87.5°	34.4	149.7	279.5	370.9	401.4
90°	1.3	111.3	235.8	324.5	356.3
92.5°	1.3	108.6	230.5	317.9	348.4
95°	1.3	106.0	229.2	313.9	344.4
97.5°	1.3	104.6	226.5	311.3	340.4
100°	1.3	100.7	222.5	306.0	335.1
102.5°	1.3	95.4	218.6	300.7	328.5
105°	1.3	91.4	214.6	295.4	321.9
107.5°	1.3	87.4	208.0	288.8	315.3
110°	1.3	83.4	197.4	282.1	308.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	82.1	189.4	272.9	300.7
115°	2.6	79.5	181.5	262.3	291.4
117.5°	2.6	78.2	174.8	251.7	282.1
120°	2.6	74.2	168.2	242.4	271.5
122.5°	2.6	70.2	161.6	233.1	262.3
125°	2.6	67.6	155.0	223.9	251.7
127.5°	2.6	63.6	149.7	214.6	239.8
130°	2.6	60.9	143.1	204.0	229.2
132.5°	2.6	57.0	136.4	193.4	217.2
135°	2.6	53.0	129.8	184.1	206.6
137.5°	2.6	47.7	121.9	173.5	194.7
140°	2.6	43.7	111.3	162.9	182.8
142.5°	2.6	41.1	100.7	151.0	169.5
145°	2.6	38.4	90.1	139.1	156.3
147.5°	2.6	35.8	80.8	127.2	143.1
150°	2.6	31.8	71.5	116.6	129.8
152.5°	4.0	29.1	63.6	103.3	116.6
155°	4.0	26.5	55.6	88.7	103.3
157.5°	4.0	23.8	47.7	74.2	90.1
160°	4.0	21.2	41.1	60.9	76.8
162.5°	4.0	19.9	35.8	50.3	64.9
165°	4.0	17.2	30.5	41.1	53.0
167.5°	4.0	13.2	25.2	31.8	43.7
170°	4.0	10.6	19.9	22.5	33.1
172.5°	4.0	7.9	14.6	15.9	17.2
175°	4.0	6.6	9.3	9.3	5.3
177.5°	4.0	5.3	5.3	5.3	2.6
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)