

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: P565976

Luminaire Tested: **4SNX-100HL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565976  
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-L840-CD  
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

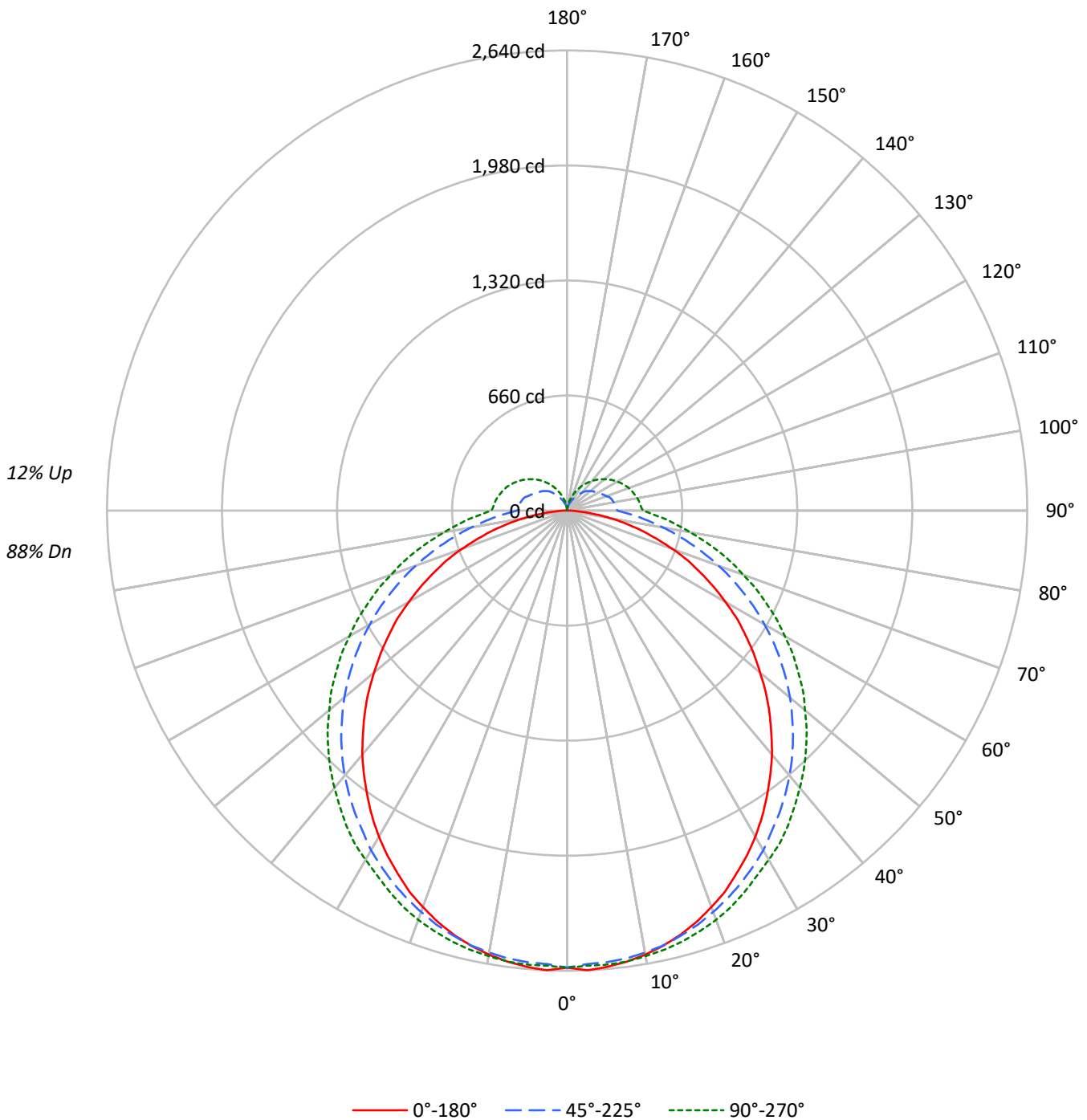
Lumens per Lamp: N/A  
Luminaire Lumens: 9439.0 lumens  
Efficiency: N/A  
Efficacy: 130.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

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°	28221	28221	28221
5°	28347	27502	27461
10°	28164	26958	26804
15°	27908	26373	26184
20°	27509	25734	25538
25°	27037	25090	24803
30°	26523	24445	24125
35°	25877	23723	23541
40°	25248	23063	22827
45°	24492	22332	22149
50°	23615	21553	21373
55°	22774	20644	20598
60°	21799	19659	19707
65°	20615	18533	18757
70°	19106	17266	17665
75°	16972	15805	16663
80°	13987	14358	15397
85°	9683	13062	14571



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.9	2.6
10°-20°	716.0	7.6
20°-30°	1089.2	11.5
30°-40°	1324.4	14.0
40°-50°	1401.1	14.8
50°-60°	1313.4	13.9
60°-70°	1080.5	11.4
70°-80°	747.6	7.9
80°-90°	415.7	4.4
90°-100°	273.9	2.9
100°-110°	245.6	2.6
110°-120°	203.3	2.2
120°-130°	157.1	1.7
130°-140°	111.2	1.2
140°-150°	67.1	0.7
150°-160°	32.2	0.3
160°-170°	10.5	0.1
170°-180°	1.3	0.0
0°-30°	2054.1	21.8
0°-40°	3378.4	35.8
0°-60°	6092.9	64.6
0°-90°	8336.7	88.3
90°-120°	722.7	7.7
90°-150°	1058.2	11.2
90°-180°	1102.0	11.7
0°-180°	9439.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2622	2622	2622	2622	2622	
5°	2628	2623	2601	2622	2615	249
15°	2518	2526	2525	2559	2559	710
25°	2298	2331	2358	2410	2412	1059
35°	1998	2051	2121	2189	2208	1250
45°	1642	1728	1833	1915	1938	1266
55°	1250	1361	1492	1586	1618	1119
65°	845	967	1117	1227	1261	838
75°	440	567	734	850	897	466
85°	97	241	407	520	566	112
90°	2	136	288	396	435	6
95°	2	129	280	383	420	1
105°	2	112	262	360	393	2
115°	3	97	221	320	356	3
125°	3	82	189	273	307	3
135°	3	65	158	225	252	2
145°	3	47	110	170	191	2
155°	5	32	68	108	126	2
165°	5	21	37	50	65	1
175°	5	8	11	11	6	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2621.8	2621.8	2621.8	2621.8	2621.8
2.5°	2639.6	2631.5	2604.0	2621.8	2613.7
5°	2628.3	2623.4	2600.8	2621.8	2615.3
7.5°	2610.5	2608.9	2591.1	2615.3	2608.9
10°	2586.2	2589.5	2574.9	2600.8	2595.9
12.5°	2555.5	2560.4	2553.9	2583.0	2579.8
15°	2518.3	2526.4	2524.8	2558.7	2558.7
17.5°	2473.1	2484.4	2490.9	2529.7	2529.7
20°	2419.7	2437.5	2450.5	2492.5	2498.9
22.5°	2366.4	2387.4	2406.8	2450.5	2460.1
25°	2298.5	2330.8	2358.3	2410.0	2411.7
27.5°	2232.2	2267.8	2305.0	2355.1	2359.9
30°	2159.5	2204.8	2250.0	2298.5	2313.1
32.5°	2081.9	2132.0	2182.1	2246.8	2266.2
35°	1997.9	2051.2	2120.7	2188.6	2208.0
37.5°	1913.8	1973.6	2054.4	2123.9	2141.7
40°	1828.1	1894.4	1984.9	2056.1	2077.1
42.5°	1732.8	1813.6	1910.6	1986.5	2010.8
45°	1642.3	1727.9	1833.0	1915.4	1938.1
47.5°	1546.9	1637.4	1750.6	1837.8	1863.7
50°	1445.1	1548.5	1669.7	1757.0	1781.3
52.5°	1349.7	1454.8	1582.4	1673.0	1706.9
55°	1249.5	1361.0	1491.9	1585.7	1618.0
57.5°	1155.7	1262.4	1403.0	1496.8	1537.2
60°	1049.0	1167.0	1307.7	1409.5	1441.8
62.5°	948.8	1068.4	1213.9	1319.0	1356.2
65°	845.4	966.6	1116.9	1226.8	1260.8
67.5°	748.4	868.0	1021.6	1129.9	1173.5
70°	641.7	767.8	924.6	1036.1	1073.3
72.5°	536.6	667.6	827.6	947.2	989.2
75°	439.7	567.4	733.8	850.2	897.1
77.5°	345.9	475.2	643.3	762.9	803.3
80°	252.2	387.9	559.3	677.3	716.1
82.5°	166.5	308.7	478.5	596.4	638.5
85°	97.0	240.8	407.3	520.5	565.7
87.5°	42.0	182.7	341.1	452.6	489.8
90°	1.6	135.8	287.7	396.0	434.8
92.5°	1.6	132.5	281.3	387.9	425.1
95°	1.6	129.3	279.6	383.1	420.3
97.5°	1.6	127.7	276.4	379.9	415.4
100°	1.6	122.8	271.6	373.4	408.9
102.5°	1.6	116.4	266.7	366.9	400.9
105°	1.6	111.5	261.9	360.5	392.8
107.5°	1.6	106.7	253.8	352.4	384.7
110°	1.6	101.8	240.8	344.3	376.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	100.2	231.1	333.0	366.9
115°	3.2	97.0	221.4	320.0	355.6
117.5°	3.2	95.4	213.4	307.1	344.3
120°	3.2	90.5	205.3	295.8	331.4
122.5°	3.2	85.7	197.2	284.5	320.0
125°	3.2	82.4	189.1	273.2	307.1
127.5°	3.2	77.6	182.7	261.9	292.6
130°	3.2	74.4	174.6	248.9	279.6
132.5°	3.2	69.5	166.5	236.0	265.1
135°	3.2	64.7	158.4	224.7	252.2
137.5°	3.2	58.2	148.7	211.7	237.6
140°	3.2	53.3	135.8	198.8	223.1
142.5°	3.2	50.1	122.8	184.3	206.9
145°	3.2	46.9	109.9	169.7	190.7
147.5°	3.2	43.6	98.6	155.2	174.6
150°	3.2	38.8	87.3	142.2	158.4
152.5°	4.8	35.6	77.6	126.1	142.2
155°	4.8	32.3	67.9	108.3	126.1
157.5°	4.8	29.1	58.2	90.5	109.9
160°	4.8	25.9	50.1	74.4	93.8
162.5°	4.8	24.2	43.6	61.4	79.2
165°	4.8	21.0	37.2	50.1	64.7
167.5°	4.8	16.2	30.7	38.8	53.3
170°	4.8	12.9	24.2	27.5	40.4
172.5°	4.8	9.7	17.8	19.4	21.0
175°	4.8	8.1	11.3	11.3	6.5
177.5°	4.8	6.5	6.5	6.5	3.2
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)