

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: P565727

Luminaire Tested: **2SNX-40HL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565727  
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: 2SNX-40HL-SLW-UNV-L935-CD  
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

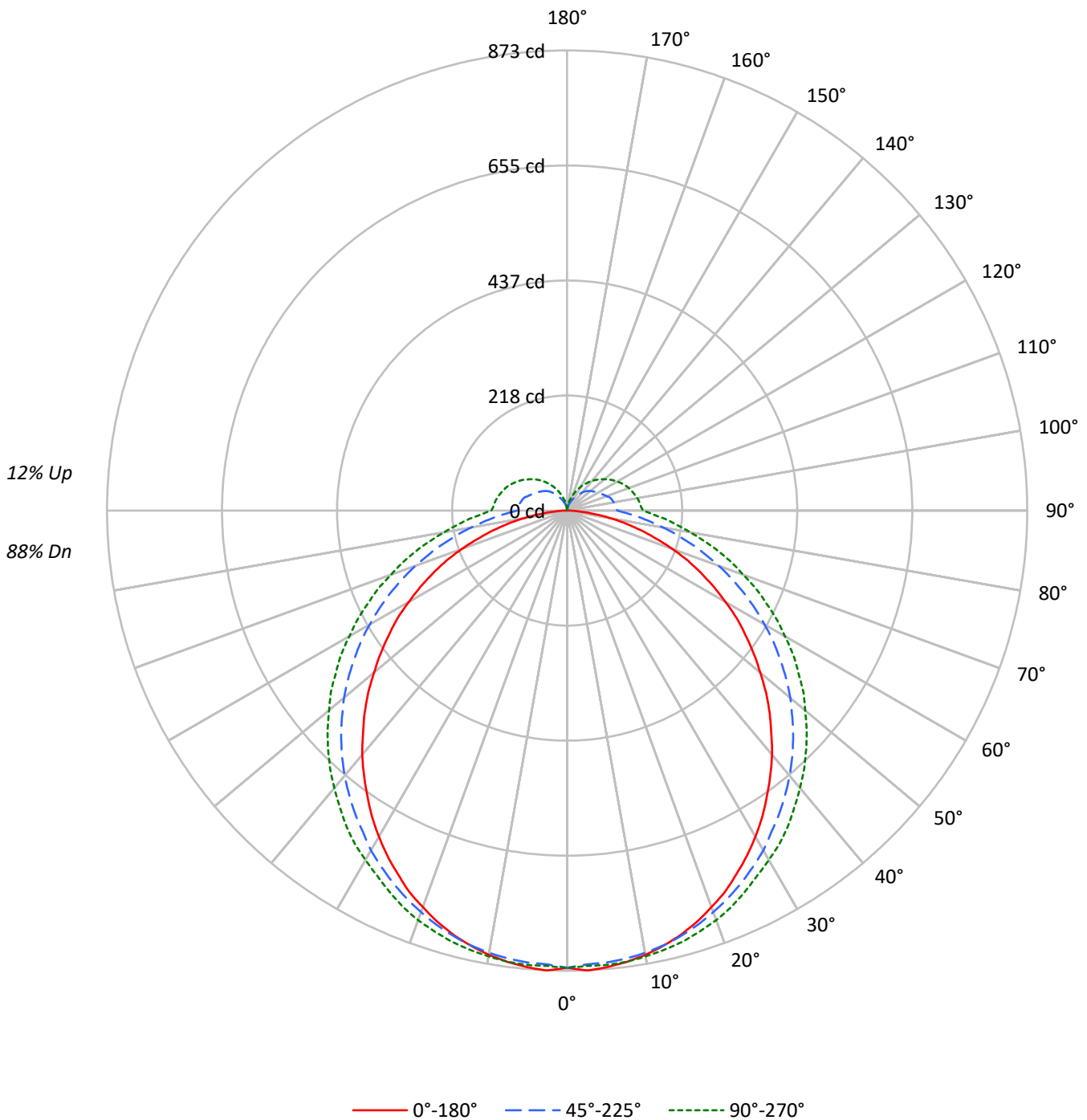
Lumens per Lamp: N/A  
Luminaire Lumens: 3123.0 lumens  
Efficiency: N/A  
Efficacy: 113.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 27.55  
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°	18673	18673	18673
5°	18724	18175	18171
10°	18570	17794	17737
15°	18366	17388	17327
20°	18068	16946	16899
25°	17721	16502	16412
30°	17346	16056	15964
35°	16881	15563	15577
40°	16427	15107	15104
45°	15885	14607	14656
50°	15258	14074	14144
55°	14648	13452	13629
60°	13942	12783	13039
65°	13083	12016	12411
70°	11995	11158	11689
75°	10479	10171	11026
80°	8370	9182	10188
85°	5378	8285	9644



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.4	2.6
10°-20°	236.9	7.6
20°-30°	360.4	11.5
30°-40°	438.2	14.0
40°-50°	463.6	14.8
50°-60°	434.5	13.9
60°-70°	357.5	11.4
70°-80°	247.3	7.9
80°-90°	137.5	4.4
90°-100°	90.6	2.9
100°-110°	81.2	2.6
110°-120°	67.3	2.2
120°-130°	52.0	1.7
130°-140°	36.8	1.2
140°-150°	22.2	0.7
150°-160°	10.7	0.3
160°-170°	3.5	0.1
170°-180°	0.4	0.0
0°-30°	679.6	21.8
0°-40°	1117.8	35.8
0°-60°	2015.9	64.6
0°-90°	2758.3	88.3
90°-120°	239.1	7.7
90°-150°	350.1	11.2
90°-180°	365.0	11.7
0°-180°	3123.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	867	867	867	867	867	
5°	870	868	860	867	865	83
15°	833	836	835	847	847	235
25°	760	771	780	797	798	351
35°	661	679	702	724	730	414
45°	543	572	606	634	641	419
55°	413	450	494	525	535	370
65°	280	320	370	406	417	277
75°	146	188	243	281	297	154
85°	32	80	135	172	187	37
90°	0	45	95	131	144	2
95°	0	43	92	127	139	0
105°	0	37	87	119	130	1
115°	1	32	73	106	118	1
125°	1	27	63	90	102	1
135°	1	21	52	74	83	1
145°	1	16	36	56	63	1
155°	2	11	22	36	42	1
165°	2	7	12	17	21	0
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	867.4	867.4	867.4	867.4	867.4
2.5°	873.3	870.7	861.6	867.4	864.8
5°	869.6	868.0	860.5	867.4	865.3
7.5°	863.7	863.2	857.3	865.3	863.2
10°	855.7	856.8	851.9	860.5	858.9
12.5°	845.5	847.1	845.0	854.6	853.5
15°	833.2	835.9	835.4	846.6	846.6
17.5°	818.2	822.0	824.1	837.0	837.0
20°	800.6	806.5	810.8	824.7	826.8
22.5°	782.9	789.9	796.3	810.8	814.0
25°	760.5	771.2	780.3	797.4	797.9
27.5°	738.6	750.3	762.6	779.2	780.8
30°	714.5	729.5	744.4	760.5	765.3
32.5°	688.8	705.4	722.0	743.4	749.8
35°	661.0	678.7	701.7	724.1	730.5
37.5°	633.2	653.0	679.7	702.7	708.6
40°	604.9	626.8	656.7	680.3	687.2
42.5°	573.3	600.0	632.1	657.3	665.3
45°	543.4	571.7	606.5	633.7	641.2
47.5°	511.8	541.8	579.2	608.1	616.6
50°	478.1	512.3	552.5	581.3	589.4
52.5°	446.6	481.3	523.6	553.5	564.8
55°	413.4	450.3	493.6	524.6	535.3
57.5°	382.4	417.7	464.2	495.2	508.6
60°	347.1	386.1	432.7	466.3	477.0
62.5°	313.9	353.5	401.6	436.4	448.7
65°	279.7	319.8	369.5	405.9	417.1
67.5°	247.6	287.2	338.0	373.8	388.3
70°	212.3	254.0	305.9	342.8	355.1
72.5°	177.6	220.9	273.8	313.4	327.3
75°	145.5	187.7	242.8	281.3	296.8
77.5°	114.4	157.2	212.9	252.4	265.8
80°	83.4	128.4	185.0	224.1	236.9
82.5°	55.1	102.1	158.3	197.3	211.2
85°	32.1	79.7	134.8	172.2	187.2
87.5°	13.9	60.4	112.8	149.7	162.0
90°	0.5	44.9	95.2	131.0	143.9
92.5°	0.5	43.9	93.1	128.4	140.7
95°	0.5	42.8	92.5	126.7	139.0
97.5°	0.5	42.2	91.5	125.7	137.4
100°	0.5	40.6	89.8	123.5	135.3
102.5°	0.5	38.5	88.2	121.4	132.6
105°	0.5	36.9	86.6	119.3	130.0
107.5°	0.5	35.3	84.0	116.6	127.3
110°	0.5	33.7	79.7	113.9	124.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	33.2	76.5	110.2	121.4
115°	1.1	32.1	73.3	105.9	117.7
117.5°	1.1	31.6	70.6	101.6	113.9
120°	1.1	29.9	67.9	97.9	109.6
122.5°	1.1	28.3	65.2	94.1	105.9
125°	1.1	27.3	62.6	90.4	101.6
127.5°	1.1	25.7	60.4	86.6	96.8
130°	1.1	24.6	57.8	82.4	92.5
132.5°	1.1	23.0	55.1	78.1	87.7
135°	1.1	21.4	52.4	74.3	83.4
137.5°	1.1	19.3	49.2	70.1	78.6
140°	1.1	17.6	44.9	65.8	73.8
142.5°	1.1	16.6	40.6	61.0	68.5
145°	1.1	15.5	36.4	56.2	63.1
147.5°	1.1	14.4	32.6	51.3	57.8
150°	1.1	12.8	28.9	47.1	52.4
152.5°	1.6	11.8	25.7	41.7	47.1
155°	1.6	10.7	22.5	35.8	41.7
157.5°	1.6	9.6	19.3	29.9	36.4
160°	1.6	8.6	16.6	24.6	31.0
162.5°	1.6	8.0	14.4	20.3	26.2
165°	1.6	7.0	12.3	16.6	21.4
167.5°	1.6	5.3	10.2	12.8	17.6
170°	1.6	4.3	8.0	9.1	13.4
172.5°	1.6	3.2	5.9	6.4	7.0
175°	1.6	2.7	3.7	3.7	2.1
177.5°	1.6	2.1	2.1	2.1	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)