

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: P567759

Luminaire Tested: **8SNX-40SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567759
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-40SL-LW-UNV-L935-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

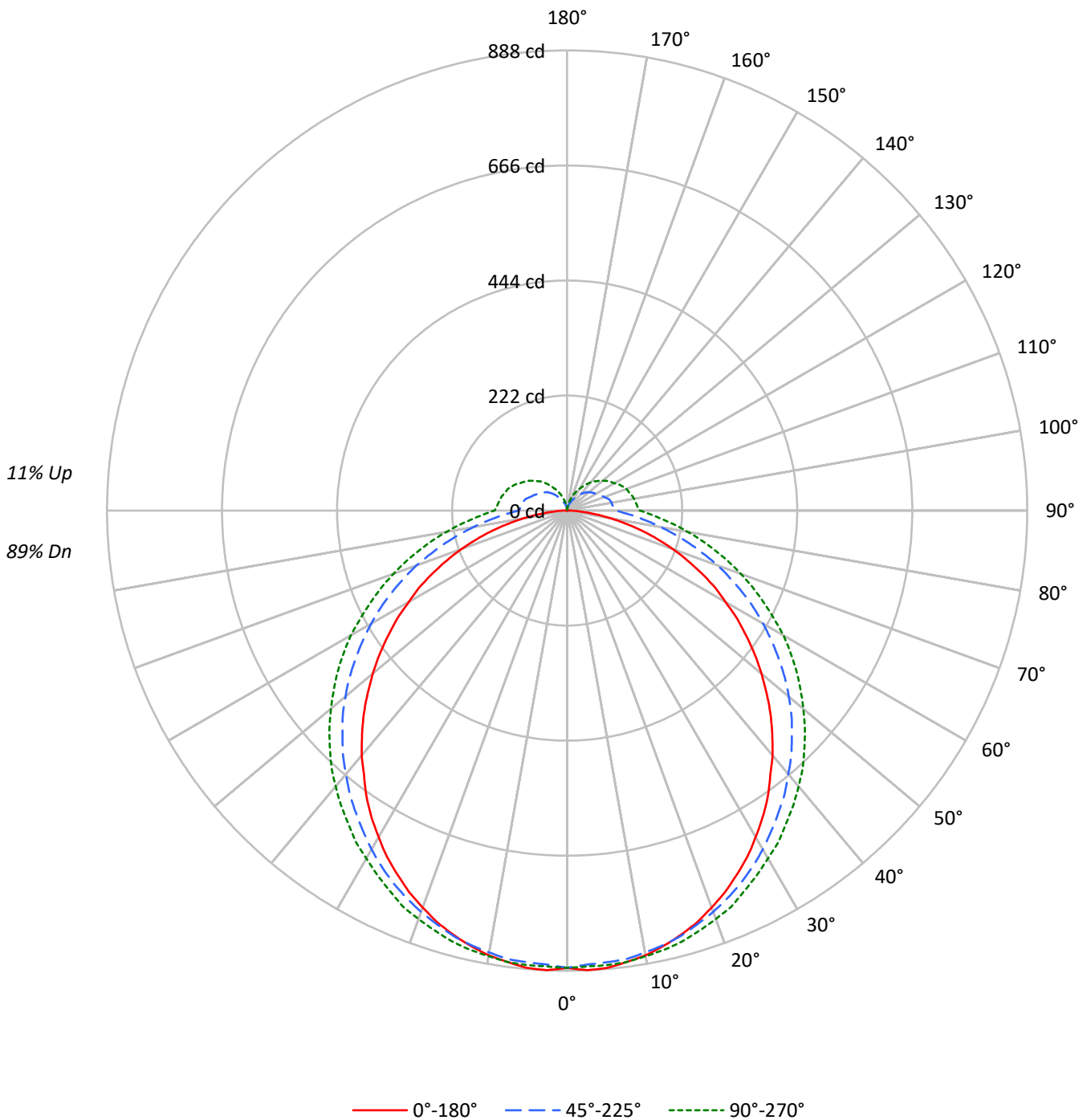
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3141.0 lumens
Efficiency: N/A
Efficacy: 129.8 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): 24.2
Input Voltage (V): NR
Input Current (A_{in}): 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	77	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°	4749	4749	4749
5°	4778	4534	4495
10°	4745	4359	4270
15°	4697	4188	4068
20°	4633	4010	3866
25°	4558	3840	3667
30°	4469	3664	3478
35°	4370	3487	3300
40°	4258	3313	3131
45°	4137	3140	2957
50°	3998	2961	2776
55°	3846	2761	2597
60°	3666	2551	2408
65°	3482	2325	2193
70°	3222	2084	1982
75°	2879	1801	1757
80°	2320	1515	1533
85°	1631	1251	1303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	2.7
10°-20°	240.9	7.7
20°-30°	366.3	11.7
30°-40°	444.6	14.2
40°-50°	469.8	15.0
50°-60°	439.6	14.0
60°-70°	360.7	11.5
70°-80°	248.1	7.9
80°-90°	135.9	4.3
90°-100°	87.5	2.8
100°-110°	78.5	2.5
110°-120°	65.0	2.1
120°-130°	50.0	1.6
130°-140°	35.2	1.1
140°-150°	21.2	0.7
150°-160°	10.1	0.3
160°-170°	3.3	0.1
170°-180°	0.4	0.0
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0°-30°	691.0	22.0
0°-40°	1135.6	36.2
0°-60°	2045.0	65.1
0°-90°	2789.8	88.8
90°-120°	231.0	7.4
90°-150°	337.4	10.7
90°-180°	351.0	11.2
0°-180°	3141.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	882	882	882	882	882	
5°	886	884	875	882	880	84
15°	848	851	850	860	860	239
25°	775	784	793	810	810	357
35°	675	691	711	731	737	422
45°	555	580	613	640	648	428
55°	422	457	498	529	540	378
65°	286	324	373	408	418	283
75°	149	189	244	282	295	157
85°	33	78	133	169	182	38
90°	0	44	93	127	140	2
95°	0	42	89	122	135	0
105°	0	35	84	115	126	1
115°	2	31	71	102	115	2
125°	2	26	60	87	98	2
135°	2	20	49	71	80	1
145°	2	15	35	55	60	1
155°	2	9	22	35	40	1
165°	2	6	11	16	20	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	882.3	882.3	882.3	882.3	882.3
2.5°	887.8	886.0	876.9	884.1	880.5
5°	886.0	884.1	875.0	882.3	880.5
7.5°	878.7	878.7	873.2	880.5	878.7
10°	871.4	871.4	865.9	875.0	873.2
12.5°	860.5	862.3	858.7	869.6	867.8
15°	847.7	851.4	849.6	860.5	860.5
17.5°	833.2	836.8	836.8	849.6	849.6
20°	815.0	820.5	824.1	838.7	838.7
22.5°	796.8	804.1	809.5	822.3	827.7
25°	775.0	784.1	793.2	809.5	809.5
27.5°	753.2	764.1	775.0	791.4	793.2
30°	727.7	740.4	755.0	771.3	775.0
32.5°	702.2	718.6	733.1	753.2	758.6
35°	674.9	691.3	711.3	731.3	736.8
37.5°	644.0	664.0	689.5	711.3	716.8
40°	616.7	638.5	664.0	689.5	694.9
42.5°	585.8	609.4	640.4	664.0	673.1
45°	554.9	580.3	613.1	640.4	647.6
47.5°	522.1	551.2	587.6	613.1	622.2
50°	489.4	520.3	558.5	587.6	594.9
52.5°	456.6	489.4	529.4	558.5	567.6
55°	422.1	456.6	498.5	529.4	540.3
57.5°	389.3	423.9	467.5	500.3	511.2
60°	352.9	392.9	436.6	469.4	482.1
62.5°	322.0	358.4	405.7	438.4	449.3
65°	285.6	323.8	372.9	407.5	418.4
67.5°	251.1	291.1	340.2	376.6	387.5
70°	216.5	256.5	309.3	343.8	356.6
72.5°	181.9	223.8	274.7	312.9	325.6
75°	149.2	189.2	243.8	282.0	294.7
77.5°	114.6	158.3	212.8	251.1	265.6
80°	83.7	129.2	183.7	221.9	236.5
82.5°	56.4	101.9	156.5	194.7	209.2
85°	32.7	78.2	132.8	169.2	181.9
87.5°	16.4	60.0	111.0	147.4	160.1
90°	0.0	43.7	92.8	127.3	140.1
92.5°	0.0	41.8	91.0	123.7	136.4
95°	0.0	41.8	89.1	121.9	134.6
97.5°	0.0	40.0	87.3	121.9	132.8
100°	0.0	38.2	87.3	120.1	131.0
102.5°	0.0	36.4	85.5	118.2	129.2
105°	0.0	34.6	83.7	114.6	125.5
107.5°	1.8	34.6	80.0	112.8	123.7
110°	1.8	32.7	76.4	111.0	121.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	30.9	72.8	107.3	118.2
115°	1.8	30.9	70.9	101.9	114.6
117.5°	1.8	29.1	67.3	98.2	111.0
120°	1.8	29.1	65.5	94.6	105.5
122.5°	1.8	27.3	61.9	91.0	101.9
125°	1.8	25.5	60.0	87.3	98.2
127.5°	1.8	23.6	58.2	83.7	94.6
130°	1.8	21.8	54.6	80.0	89.1
132.5°	1.8	21.8	52.8	74.6	85.5
135°	1.8	20.0	49.1	70.9	80.0
137.5°	1.8	18.2	45.5	67.3	76.4
140°	1.8	16.4	41.8	63.7	70.9
142.5°	1.8	16.4	38.2	58.2	65.5
145°	1.8	14.6	34.6	54.6	60.0
147.5°	1.8	12.7	30.9	49.1	54.6
150°	1.8	12.7	27.3	43.7	49.1
152.5°	1.8	10.9	23.6	40.0	45.5
155°	1.8	9.1	21.8	34.6	40.0
157.5°	1.8	9.1	18.2	29.1	34.6
160°	1.8	7.3	16.4	23.6	29.1
162.5°	1.8	7.3	14.6	20.0	25.5
165°	1.8	5.5	10.9	16.4	20.0
167.5°	1.8	5.5	9.1	12.7	16.4
170°	1.8	3.6	7.3	9.1	12.7
172.5°	1.8	3.6	5.5	5.5	5.5
175°	1.8	1.8	3.6	3.6	1.8
177.5°	1.8	1.8	1.8	1.8	1.8
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)