

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: P567735

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-40SL-FDL-UNV-L935-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

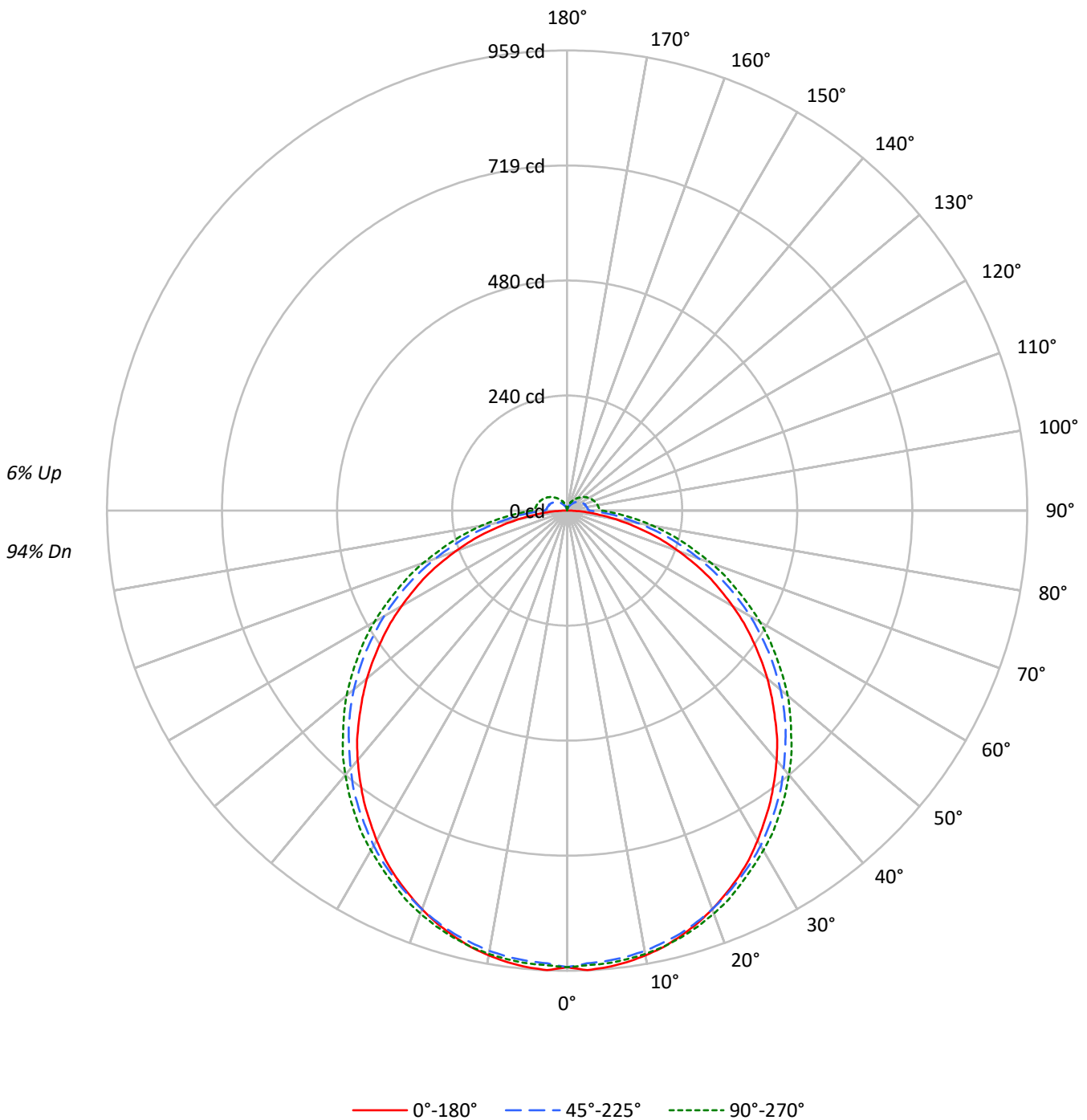
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3024.0 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5121	5121	5121
5°	5159	5038	5044
10°	5140	4985	4981
15°	5104	4924	4910
20°	5054	4849	4826
25°	4996	4767	4727
30°	4917	4683	4636
35°	4838	4585	4540
40°	4750	4476	4433
45°	4638	4368	4308
50°	4532	4246	4193
55°	4399	4093	4034
60°	4250	3919	3878
65°	4094	3711	3663
70°	3821	3449	3439
75°	3496	3142	3172
80°	3013	2732	2876
85°	2436	2380	2527



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	3.0
10°-20°	259.0	8.6
20°-30°	392.4	13.0
30°-40°	473.8	15.7
40°-50°	494.7	16.4
50°-60°	454.5	15.0
60°-70°	359.4	11.9
70°-80°	227.5	7.5
80°-90°	97.8	3.2
90°-100°	43.0	1.4
100°-110°	38.5	1.3
110°-120°	32.5	1.1
120°-130°	25.4	0.8
130°-140°	17.6	0.6
140°-150°	10.5	0.3
150°-160°	5.1	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	741.7	24.5
0°-40°	1215.4	40.2
0°-60°	2164.6	71.6
0°-90°	2849.3	94.2
90°-120°	114.1	3.8
90°-150°	167.5	5.5
90°-180°	175.0	5.8
0°-180°	3024.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	952	952	952	952	952	
5°	955	953	942	950	947	91
15°	917	917	912	922	920	259
25°	843	847	848	860	858	388
35°	739	748	757	769	772	462
45°	613	628	644	656	660	473
55°	472	492	512	528	532	423
65°	325	343	367	384	390	320
75°	171	192	220	238	247	182
85°	42	64	92	112	119	46
90°	3	23	47	66	73	4
95°	0	20	43	60	66	0
105°	0	18	40	56	62	1
115°	0	16	36	51	56	1
125°	1	14	30	44	49	1
135°	1	11	25	35	39	1
145°	1	8	17	26	29	1
155°	1	5	11	17	20	1
165°	2	4	6	8	11	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	951.6	951.6	951.6	951.6	951.6
2.5°	958.6	955.3	944.6	952.1	948.4
5°	955.3	952.7	942.5	950.5	947.3
7.5°	949.5	947.3	938.2	946.8	943.6
10°	941.4	939.8	931.8	940.4	938.2
12.5°	931.2	930.7	922.7	932.3	930.7
15°	917.3	917.3	912.5	922.1	920.5
17.5°	902.3	902.9	899.1	909.3	908.2
20°	884.1	886.8	884.1	894.8	893.8
22.5°	864.3	868.1	867.0	877.7	878.2
25°	843.4	847.2	848.2	859.5	857.9
27.5°	820.4	826.3	828.4	838.6	838.1
30°	793.6	801.7	806.5	815.0	817.7
32.5°	766.3	775.9	781.8	793.6	796.8
35°	739.0	747.6	757.2	769.0	771.7
37.5°	709.0	718.7	731.5	742.7	746.0
40°	679.0	689.7	702.0	714.4	719.2
42.5°	648.0	659.2	672.6	687.1	691.9
45°	612.6	627.6	643.7	656.0	660.3
47.5°	578.9	595.5	612.6	626.0	630.8
50°	544.6	562.3	580.5	592.8	600.3
52.5°	508.7	528.0	546.2	561.7	566.6
55°	472.3	491.6	511.9	528.5	532.3
57.5°	437.0	455.7	476.1	491.6	499.1
60°	398.4	418.8	440.7	456.3	464.3
62.5°	360.9	380.7	404.3	420.9	427.3
65°	325.1	343.3	367.4	384.5	390.4
67.5°	285.4	306.3	329.3	349.2	356.6
70°	246.3	266.1	292.4	311.1	318.6
72.5°	209.9	229.2	255.4	274.2	281.1
75°	171.4	191.7	219.6	238.3	247.4
77.5°	134.4	156.9	183.7	204.0	214.2
80°	100.1	120.0	148.9	171.4	180.5
82.5°	68.0	89.4	119.4	140.3	150.5
85°	41.8	64.3	92.1	111.9	118.9
87.5°	19.8	41.2	66.9	86.2	94.8
90°	2.7	23.0	47.1	65.9	72.8
92.5°	0.5	19.8	43.4	61.0	67.5
95°	0.5	19.8	42.8	60.0	66.4
97.5°	0.5	19.3	42.3	59.4	65.3
100°	0.5	18.7	41.8	58.4	64.8
102.5°	0.5	18.7	40.7	57.3	63.2
105°	0.5	18.2	40.2	56.2	62.1
107.5°	0.5	17.7	39.1	55.2	61.0
110°	0.5	16.6	38.6	53.6	59.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	16.1	37.5	52.5	57.8
115°	0.5	15.5	36.4	50.9	56.2
117.5°	0.5	15.0	34.8	49.3	54.6
120°	1.1	15.0	33.7	47.7	52.5
122.5°	1.1	14.5	32.1	45.5	50.3
125°	1.1	13.9	30.5	43.9	48.7
127.5°	1.1	13.4	28.9	41.8	46.1
130°	1.1	12.3	27.8	39.6	43.9
132.5°	1.1	11.8	26.2	36.9	41.2
135°	1.1	10.7	24.6	34.8	39.1
137.5°	1.1	10.2	23.0	32.7	36.4
140°	1.1	9.6	20.9	30.5	34.3
142.5°	1.1	8.6	19.3	28.4	31.6
145°	1.1	8.0	17.1	26.2	28.9
147.5°	1.1	7.0	15.5	24.1	26.8
150°	1.1	6.4	13.9	22.0	24.6
152.5°	1.1	5.9	12.3	19.3	22.0
155°	1.1	5.4	11.2	16.6	19.8
157.5°	1.1	4.8	9.6	14.5	17.7
160°	1.6	4.3	8.6	12.3	15.0
162.5°	1.6	3.7	7.0	10.2	13.4
165°	1.6	3.7	5.9	8.0	11.2
167.5°	1.6	3.2	4.8	6.4	9.1
170°	1.6	2.7	4.3	4.8	7.0
172.5°	1.6	2.1	3.2	3.2	3.7
175°	1.6	2.1	2.7	2.7	1.6
177.5°	1.6	1.6	1.6	1.6	1.1
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)