

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: P567768

Luminaire Tested: **8SNX-40SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567768
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-SLW-UNV-L940-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

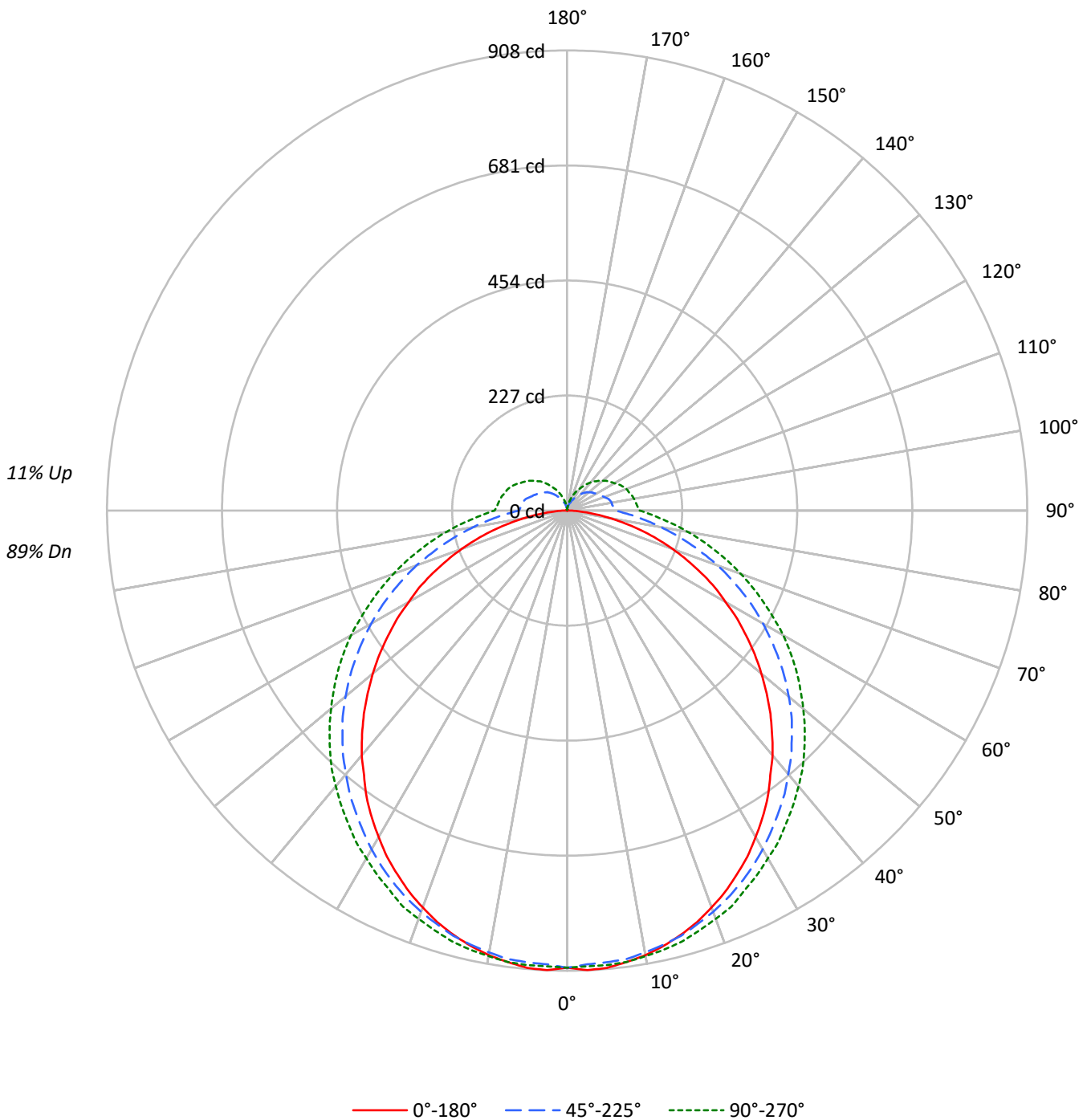
Lumens per Lamp: N/A
Luminaire Lumens: 3211.0 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	4855	4855	4855
5°	4889	4732	4726
10°	4859	4640	4609
15°	4815	4544	4501
20°	4754	4435	4381
25°	4682	4326	4256
30°	4595	4208	4132
35°	4501	4085	4015
40°	4391	3964	3904
45°	4273	3840	3783
50°	4138	3710	3648
55°	3990	3553	3515
60°	3815	3385	3368
65°	3638	3195	3182
70°	3386	2988	3000
75°	3053	2722	2798
80°	2503	2453	2600
85°	1849	2226	2395



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	2.7
10°-20°	246.2	7.7
20°-30°	374.4	11.7
30°-40°	454.5	14.2
40°-50°	480.3	15.0
50°-60°	449.4	14.0
60°-70°	368.8	11.5
70°-80°	253.6	7.9
80°-90°	138.9	4.3
90°-100°	89.5	2.8
100°-110°	80.3	2.5
110°-120°	66.4	2.1
120°-130°	51.2	1.6
130°-140°	35.9	1.1
140°-150°	21.7	0.7
150°-160°	10.4	0.3
160°-170°	3.4	0.1
170°-180°	0.4	0.0
0°-30°	706.4	22.0
0°-40°	1160.9	36.2
0°-60°	2090.6	65.1
0°-90°	2851.9	88.8
90°-120°	236.1	7.4
90°-150°	344.9	10.7
90°-180°	359.0	11.2
0°-180°	3211.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	902	902	902	902	902	
5°	906	904	894	902	900	86
15°	867	870	868	880	880	244
25°	792	802	811	828	828	365
35°	690	707	727	748	753	431
45°	567	593	627	655	662	437
55°	432	467	510	541	552	386
65°	292	331	381	417	428	289
75°	152	193	249	288	301	161
85°	34	80	136	173	186	39
90°	0	45	95	130	143	2
95°	0	43	91	125	138	0
105°	0	35	86	117	128	1
115°	2	32	72	104	117	2
125°	2	26	61	89	100	2
135°	2	20	50	72	82	1
145°	2	15	35	56	61	1
155°	2	9	22	35	41	1
165°	2	6	11	17	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°	902.0	902.0	902.0	902.0	902.0
2.5°	907.6	905.7	896.4	903.8	900.1
5°	905.7	903.8	894.5	902.0	900.1
7.5°	898.3	898.3	892.7	900.1	898.3
10°	890.8	890.8	885.2	894.5	892.7
12.5°	879.7	881.5	877.8	889.0	887.1
15°	866.6	870.4	868.5	879.7	879.7
17.5°	851.8	855.5	855.5	868.5	868.5
20°	833.2	838.7	842.5	857.3	857.3
22.5°	814.6	822.0	827.6	840.6	846.2
25°	792.3	801.6	810.8	827.6	827.6
27.5°	769.9	781.1	792.3	809.0	810.8
30°	743.9	756.9	771.8	788.5	792.3
32.5°	717.9	734.6	749.5	769.9	775.5
35°	690.0	706.7	727.2	747.6	753.2
37.5°	658.4	678.8	704.8	727.2	732.7
40°	630.5	652.8	678.8	704.8	710.4
42.5°	598.8	623.0	654.6	678.8	688.1
45°	567.2	593.3	626.7	654.6	662.1
47.5°	533.7	563.5	600.7	626.7	636.0
50°	500.3	531.9	570.9	600.7	608.1
52.5°	466.8	500.3	541.2	570.9	580.2
55°	431.5	466.8	509.6	541.2	552.3
57.5°	398.0	433.3	478.0	511.4	522.6
60°	360.8	401.7	446.3	479.8	492.8
62.5°	329.2	366.4	414.7	448.2	459.4
65°	292.0	331.0	381.2	416.6	427.7
67.5°	256.6	297.6	347.8	385.0	396.1
70°	221.3	262.2	316.2	351.5	364.5
72.5°	186.0	228.7	280.8	319.9	332.9
75°	152.5	193.4	249.2	288.3	301.3
77.5°	117.2	161.8	217.6	256.6	271.5
80°	85.5	132.0	187.8	226.9	241.8
82.5°	57.7	104.1	159.9	199.0	213.9
85°	33.5	80.0	135.8	173.0	186.0
87.5°	16.7	61.4	113.4	150.6	163.7
90°	0.0	44.6	94.8	130.2	143.2
92.5°	0.0	42.8	93.0	126.5	139.5
95°	0.0	42.8	91.1	124.6	137.6
97.5°	0.0	40.9	89.3	124.6	135.8
100°	0.0	39.1	89.3	122.7	133.9
102.5°	0.0	37.2	87.4	120.9	132.0
105°	0.0	35.3	85.5	117.2	128.3
107.5°	1.9	35.3	81.8	115.3	126.5
110°	1.9	33.5	78.1	113.4	124.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	31.6	74.4	109.7	120.9
115°	1.9	31.6	72.5	104.1	117.2
117.5°	1.9	29.8	68.8	100.4	113.4
120°	1.9	29.8	67.0	96.7	107.9
122.5°	1.9	27.9	63.2	93.0	104.1
125°	1.9	26.0	61.4	89.3	100.4
127.5°	1.9	24.2	59.5	85.5	96.7
130°	1.9	22.3	55.8	81.8	91.1
132.5°	1.9	22.3	53.9	76.2	87.4
135°	1.9	20.5	50.2	72.5	81.8
137.5°	1.9	18.6	46.5	68.8	78.1
140°	1.9	16.7	42.8	65.1	72.5
142.5°	1.9	16.7	39.1	59.5	67.0
145°	1.9	14.9	35.3	55.8	61.4
147.5°	1.9	13.0	31.6	50.2	55.8
150°	1.9	13.0	27.9	44.6	50.2
152.5°	1.9	11.2	24.2	40.9	46.5
155°	1.9	9.3	22.3	35.3	40.9
157.5°	1.9	9.3	18.6	29.8	35.3
160°	1.9	7.4	16.7	24.2	29.8
162.5°	1.9	7.4	14.9	20.5	26.0
165°	1.9	5.6	11.2	16.7	20.5
167.5°	1.9	5.6	9.3	13.0	16.7
170°	1.9	3.7	7.4	9.3	13.0
172.5°	1.9	3.7	5.6	5.6	5.6
175°	1.9	1.9	3.7	3.7	1.9
177.5°	1.9	1.9	1.9	1.9	1.9
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)