

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: P567762

Luminaire Tested: **8SNX-40SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567762
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-L830-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

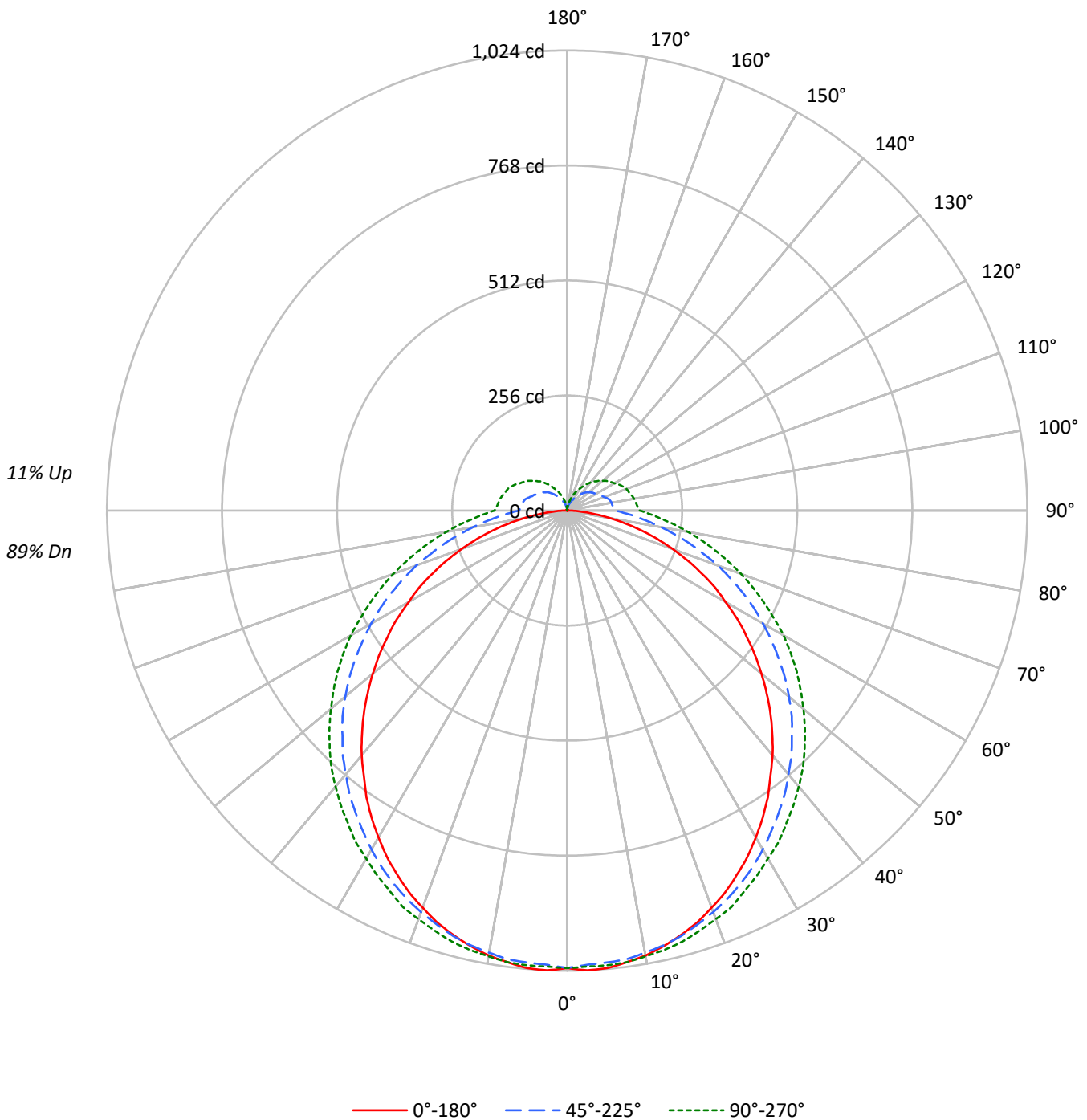
Lumens per Lamp: N/A
Luminaire Lumens: 3624.0 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 24.2
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	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	76	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°	5479	5479	5479
5°	5517	5341	5333
10°	5484	5237	5201
15°	5435	5129	5080
20°	5365	5005	4944
25°	5284	4883	4803
30°	5187	4750	4663
35°	5079	4611	4532
40°	4956	4474	4406
45°	4823	4334	4270
50°	4670	4187	4118
55°	4503	4010	3968
60°	4306	3820	3801
65°	4105	3607	3591
70°	3822	3372	3386
75°	3445	3073	3158
80°	2828	2769	2934
85°	2087	2511	2703



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	2.7
10°-20°	277.9	7.7
20°-30°	422.6	11.7
30°-40°	513.0	14.2
40°-50°	542.1	15.0
50°-60°	507.2	14.0
60°-70°	416.2	11.5
70°-80°	286.3	7.9
80°-90°	156.8	4.3
90°-100°	100.9	2.8
100°-110°	90.6	2.5
110°-120°	75.0	2.1
120°-130°	57.7	1.6
130°-140°	40.6	1.1
140°-150°	24.5	0.7
150°-160°	11.7	0.3
160°-170°	3.8	0.1
170°-180°	0.5	0.0
0°-30°	797.2	22.0
0°-40°	1310.2	36.2
0°-60°	2359.5	65.1
0°-90°	3218.7	88.8
90°-120°	266.5	7.4
90°-150°	389.3	10.7
90°-180°	405.0	11.2
0°-180°	3624.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1022	1020	1010	1018	1016	97
15°	978	982	980	993	993	276
25°	894	905	915	934	934	412
35°	779	798	821	844	850	486
45°	640	670	707	739	747	493
55°	487	527	575	611	623	436
65°	330	374	430	470	483	326
75°	172	218	281	325	340	181
85°	38	90	153	195	210	44
90°	0	50	107	147	162	3
95°	0	48	103	141	155	0
105°	0	40	97	132	145	1
115°	2	36	82	118	132	2
125°	2	29	69	101	113	2
135°	2	23	57	82	92	2
145°	2	17	40	63	69	1
155°	2	10	25	40	46	1
165°	2	6	13	19	23	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°	1018.0	1018.0	1018.0	1018.0	1018.0
2.5°	1024.3	1022.2	1011.7	1020.1	1015.9
5°	1022.2	1020.1	1009.6	1018.0	1015.9
7.5°	1013.8	1013.8	1007.5	1015.9	1013.8
10°	1005.4	1005.4	999.1	1009.6	1007.5
12.5°	992.8	994.9	990.7	1003.3	1001.2
15°	978.1	982.3	980.2	992.8	992.8
17.5°	961.3	965.5	965.5	980.2	980.2
20°	940.3	946.6	950.8	967.6	967.6
22.5°	919.3	927.7	934.0	948.7	955.0
25°	894.2	904.6	915.1	934.0	934.0
27.5°	869.0	881.6	894.2	913.0	915.1
30°	839.6	854.3	871.1	890.0	894.2
32.5°	810.2	829.1	845.9	869.0	875.3
35°	778.7	797.6	820.7	843.8	850.1
37.5°	743.0	766.1	795.5	820.7	827.0
40°	711.5	736.7	766.1	795.5	801.8
42.5°	675.9	703.1	738.8	766.1	776.6
45°	640.2	669.6	707.3	738.8	747.2
47.5°	602.4	636.0	678.0	707.3	717.8
50°	564.6	600.3	644.4	678.0	686.4
52.5°	526.8	564.6	610.8	644.4	654.9
55°	487.0	526.8	575.1	610.8	623.4
57.5°	449.2	489.1	539.4	577.2	589.8
60°	407.2	453.4	503.7	541.5	556.2
62.5°	371.5	413.5	468.1	505.8	518.4
65°	329.5	373.6	430.3	470.2	482.8
67.5°	289.7	335.8	392.5	434.5	447.1
70°	249.8	296.0	356.8	396.7	411.4
72.5°	209.9	258.2	316.9	361.0	375.7
75°	172.1	218.3	281.3	325.3	340.0
77.5°	132.2	182.6	245.6	289.7	306.4
80°	96.6	149.0	212.0	256.1	272.9
82.5°	65.1	117.5	180.5	224.6	241.4
85°	37.8	90.3	153.2	195.2	209.9
87.5°	18.9	69.3	128.0	170.0	184.7
90°	0.0	50.4	107.0	146.9	161.6
92.5°	0.0	48.3	104.9	142.7	157.4
95°	0.0	48.3	102.8	140.6	155.3
97.5°	0.0	46.2	100.7	140.6	153.2
100°	0.0	44.1	100.7	138.5	151.1
102.5°	0.0	42.0	98.7	136.4	149.0
105°	0.0	39.9	96.6	132.2	144.8
107.5°	2.1	39.9	92.4	130.1	142.7
110°	2.1	37.8	88.2	128.0	140.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	35.7	84.0	123.8	136.4
115°	2.1	35.7	81.9	117.5	132.2
117.5°	2.1	33.6	77.7	113.3	128.0
120°	2.1	33.6	75.6	109.1	121.7
122.5°	2.1	31.5	71.4	104.9	117.5
125°	2.1	29.4	69.3	100.7	113.3
127.5°	2.1	27.3	67.2	96.6	109.1
130°	2.1	25.2	63.0	92.4	102.8
132.5°	2.1	25.2	60.9	86.1	98.7
135°	2.1	23.1	56.7	81.9	92.4
137.5°	2.1	21.0	52.5	77.7	88.2
140°	2.1	18.9	48.3	73.5	81.9
142.5°	2.1	18.9	44.1	67.2	75.6
145°	2.1	16.8	39.9	63.0	69.3
147.5°	2.1	14.7	35.7	56.7	63.0
150°	2.1	14.7	31.5	50.4	56.7
152.5°	2.1	12.6	27.3	46.2	52.5
155°	2.1	10.5	25.2	39.9	46.2
157.5°	2.1	10.5	21.0	33.6	39.9
160°	2.1	8.4	18.9	27.3	33.6
162.5°	2.1	8.4	16.8	23.1	29.4
165°	2.1	6.3	12.6	18.9	23.1
167.5°	2.1	6.3	10.5	14.7	18.9
170°	2.1	4.2	8.4	10.5	14.7
172.5°	2.1	4.2	6.3	6.3	6.3
175°	2.1	2.1	4.2	4.2	2.1
177.5°	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)