

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: P567761

Luminaire Tested: **8SNX-40SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567761
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-L950-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

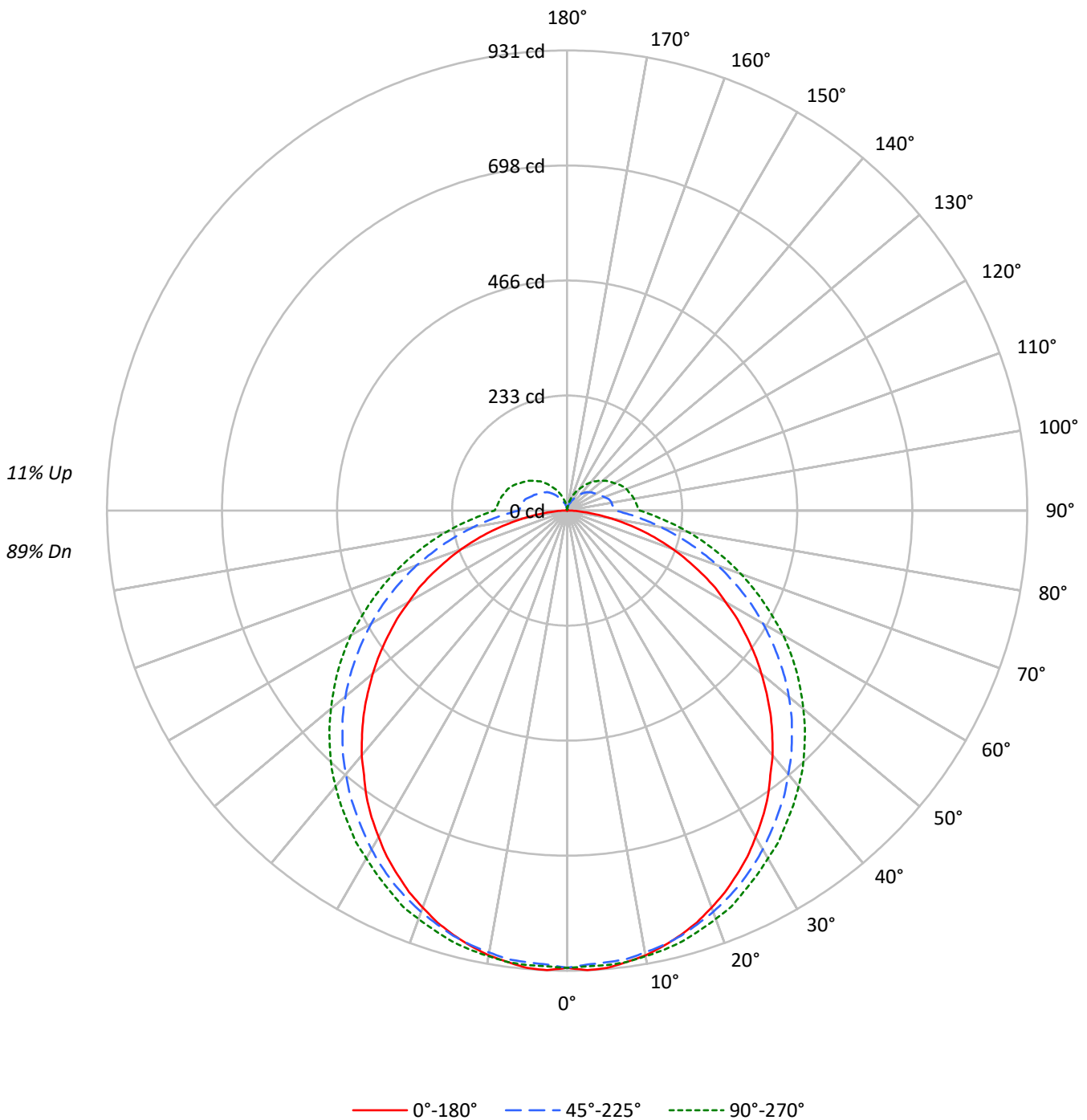
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3293.0 lumens
Efficiency: N/A
Efficacy: 136.1 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 (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	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°	4978	4978	4978
5°	5009	4754	4712
10°	4975	4569	4477
15°	4925	4391	4265
20°	4857	4204	4052
25°	4778	4026	3845
30°	4685	3841	3646
35°	4582	3655	3460
40°	4465	3474	3283
45°	4337	3292	3101
50°	4191	3104	2910
55°	4032	2894	2723
60°	3844	2675	2525
65°	3650	2438	2299
70°	3379	2184	2077
75°	3018	1889	1842
80°	2431	1589	1607
85°	1711	1311	1366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	2.7
10°-20°	252.5	7.7
20°-30°	384.0	11.7
30°-40°	466.1	14.2
40°-50°	492.5	15.0
50°-60°	460.9	14.0
60°-70°	378.2	11.5
70°-80°	260.1	7.9
80°-90°	142.4	4.3
90°-100°	91.7	2.8
100°-110°	82.3	2.5
110°-120°	68.1	2.1
120°-130°	52.5	1.6
130°-140°	36.9	1.1
140°-150°	22.2	0.7
150°-160°	10.6	0.3
160°-170°	3.5	0.1
170°-180°	0.4	0.0
0°-30°	724.4	22.0
0°-40°	1190.5	36.2
0°-60°	2144.0	65.1
0°-90°	2924.7	88.8
90°-120°	242.2	7.4
90°-150°	353.7	10.7
90°-180°	368.0	11.2
0°-180°	3293.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	925	925	925	925	925	
5°	929	927	917	925	923	88
15°	889	893	891	902	902	251
25°	812	822	832	849	849	374
35°	708	725	746	767	772	442
45°	582	608	643	671	679	448
55°	442	479	523	555	566	396
65°	299	340	391	427	439	297
75°	156	198	256	296	309	165
85°	34	82	139	177	191	40
90°	0	46	97	134	147	2
95°	0	44	94	128	141	0
105°	0	36	88	120	132	1
115°	2	32	74	107	120	2
125°	2	27	63	92	103	2
135°	2	21	52	74	84	1
145°	2	15	36	57	63	1
155°	2	10	23	36	42	1
165°	2	6	11	17	21	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°	925.0	925.0	925.0	925.0	925.0
2.5°	930.7	928.8	919.3	926.9	923.1
5°	928.8	926.9	917.4	925.0	923.1
7.5°	921.2	921.2	915.5	923.1	921.2
10°	913.6	913.6	907.8	917.4	915.5
12.5°	902.1	904.0	900.2	911.7	909.8
15°	888.8	892.6	890.7	902.1	902.1
17.5°	873.5	877.3	877.3	890.7	890.7
20°	854.4	860.2	864.0	879.2	879.2
22.5°	835.4	843.0	848.7	862.1	867.8
25°	812.5	822.0	831.6	848.7	848.7
27.5°	789.6	801.0	812.5	829.6	831.6
30°	762.9	776.2	791.5	808.7	812.5
32.5°	736.2	753.4	768.6	789.6	795.3
35°	707.6	724.8	745.7	766.7	772.4
37.5°	675.2	696.1	722.8	745.7	751.5
40°	646.6	669.4	696.1	722.8	728.6
42.5°	614.1	638.9	671.3	696.1	705.7
45°	581.7	608.4	642.7	671.3	679.0
47.5°	547.4	577.9	616.0	642.7	652.3
50°	513.0	545.5	585.5	616.0	623.7
52.5°	478.7	513.0	555.0	585.5	595.1
55°	442.5	478.7	522.6	555.0	566.5
57.5°	408.1	444.4	490.2	524.5	535.9
60°	370.0	412.0	457.7	492.1	505.4
62.5°	337.6	375.7	425.3	459.6	471.1
65°	299.4	339.5	391.0	427.2	438.7
67.5°	263.2	305.2	356.7	394.8	406.2
70°	227.0	268.9	324.2	360.5	373.8
72.5°	190.7	234.6	288.0	328.0	341.4
75°	156.4	198.4	255.6	295.6	309.0
77.5°	120.2	165.9	223.1	263.2	278.5
80°	87.7	135.4	192.6	232.7	247.9
82.5°	59.1	106.8	164.0	204.1	219.3
85°	34.3	82.0	139.2	177.4	190.7
87.5°	17.2	62.9	116.3	154.5	167.8
90°	0.0	45.8	97.3	133.5	146.9
92.5°	0.0	43.9	95.4	129.7	143.0
95°	0.0	43.9	93.5	127.8	141.1
97.5°	0.0	42.0	91.5	127.8	139.2
100°	0.0	40.1	91.5	125.9	137.3
102.5°	0.0	38.1	89.6	124.0	135.4
105°	0.0	36.2	87.7	120.2	131.6
107.5°	1.9	36.2	83.9	118.2	129.7
110°	1.9	34.3	80.1	116.3	127.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	32.4	76.3	112.5	124.0
115°	1.9	32.4	74.4	106.8	120.2
117.5°	1.9	30.5	70.6	103.0	116.3
120°	1.9	30.5	68.7	99.2	110.6
122.5°	1.9	28.6	64.8	95.4	106.8
125°	1.9	26.7	62.9	91.5	103.0
127.5°	1.9	24.8	61.0	87.7	99.2
130°	1.9	22.9	57.2	83.9	93.5
132.5°	1.9	22.9	55.3	78.2	89.6
135°	1.9	21.0	51.5	74.4	83.9
137.5°	1.9	19.1	47.7	70.6	80.1
140°	1.9	17.2	43.9	66.8	74.4
142.5°	1.9	17.2	40.1	61.0	68.7
145°	1.9	15.3	36.2	57.2	62.9
147.5°	1.9	13.4	32.4	51.5	57.2
150°	1.9	13.4	28.6	45.8	51.5
152.5°	1.9	11.4	24.8	42.0	47.7
155°	1.9	9.5	22.9	36.2	42.0
157.5°	1.9	9.5	19.1	30.5	36.2
160°	1.9	7.6	17.2	24.8	30.5
162.5°	1.9	7.6	15.3	21.0	26.7
165°	1.9	5.7	11.4	17.2	21.0
167.5°	1.9	5.7	9.5	13.4	17.2
170°	1.9	3.8	7.6	9.5	13.4
172.5°	1.9	3.8	5.7	5.7	5.7
175°	1.9	1.9	3.8	3.8	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)