

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: P567773

Luminaire Tested: **8SNX-40SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-40SL-UNV-L850-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

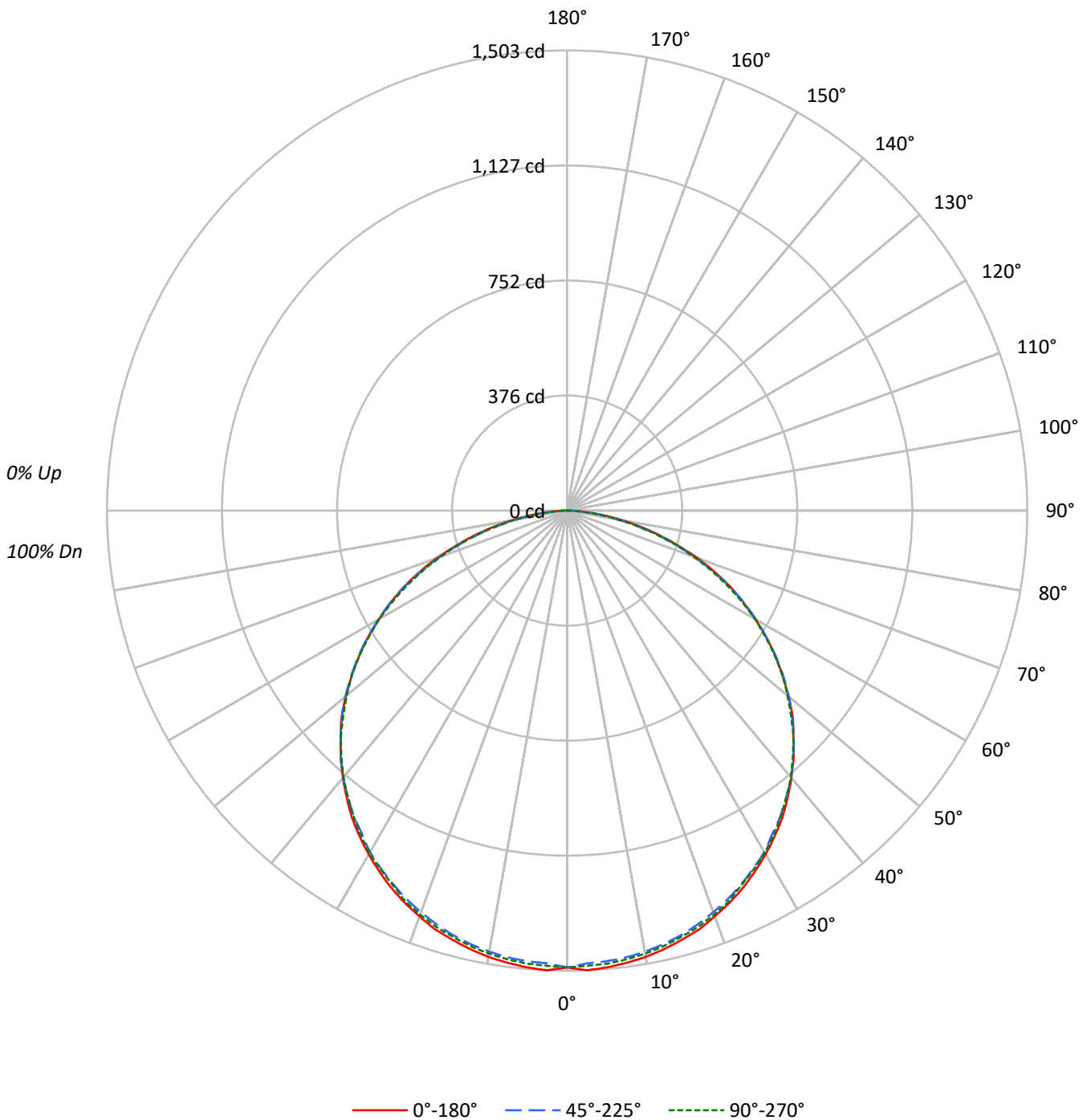
Lumens per Lamp: N/A
Luminaire Lumens: 4462.0 lumens
Efficiency: N/A
Efficacy: 184.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8031	8031	8031
5°	8091	7983	8026
10°	8089	7994	8031
15°	8083	8001	8031
20°	8078	7994	8039
25°	8073	7993	8009
30°	8057	8006	8023
35°	8050	7989	7997
40°	8005	7995	7986
45°	7957	7967	7957
50°	7899	7922	7865
55°	7795	7820	7782
60°	7641	7670	7627
65°	7486	7435	7331
70°	7117	6969	6884
75°	6502	6280	6307
80°	5616	5201	5325
85°	4224	4063	3643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.6	3.2
10°-20°	407.9	9.1
20°-30°	624.2	14.0
30°-40°	763.2	17.1
40°-50°	807.3	18.1
50°-60°	743.8	16.7
60°-70°	573.2	12.8
70°-80°	321.2	7.2
80°-90°	79.8	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1173.7	26.3
0°-40°	1936.8	43.4
0°-60°	3487.9	78.2
0°-90°	4462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4462.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1492	1492	1492	1492	1492	
5°	1498	1492	1478	1492	1486	142
15°	1451	1448	1436	1448	1441	410
25°	1360	1357	1346	1357	1349	627
35°	1225	1223	1216	1220	1217	766
45°	1045	1049	1047	1045	1045	808
55°	831	837	833	833	829	742
65°	588	588	584	569	576	578
75°	313	309	302	291	303	332
85°	68	64	66	66	59	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1492.3	1492.3	1492.3	1492.3	1492.3
2.5°	1503.0	1496.3	1480.2	1495.0	1488.3
5°	1497.7	1492.3	1477.6	1492.3	1485.6
7.5°	1489.6	1485.6	1472.2	1485.6	1478.9
10°	1480.2	1476.2	1462.8	1476.2	1469.5
12.5°	1466.8	1464.1	1450.7	1464.1	1457.4
15°	1450.7	1448.0	1435.9	1448.0	1441.3
17.5°	1434.6	1429.2	1417.2	1430.6	1425.2
20°	1410.5	1407.8	1395.7	1407.8	1403.7
22.5°	1386.3	1383.6	1372.9	1383.6	1380.9
25°	1359.5	1356.8	1346.0	1356.8	1348.7
27.5°	1328.6	1329.9	1317.9	1324.6	1320.5
30°	1296.4	1296.4	1288.3	1291.0	1291.0
32.5°	1261.5	1261.5	1249.4	1257.5	1256.1
35°	1225.3	1222.6	1215.9	1219.9	1217.2
37.5°	1182.3	1181.0	1176.9	1179.6	1176.9
40°	1139.4	1140.7	1138.0	1136.7	1136.7
42.5°	1095.1	1097.8	1093.7	1092.4	1091.1
45°	1045.4	1049.4	1046.8	1045.4	1045.4
47.5°	999.8	1001.1	997.1	995.8	991.7
50°	943.4	948.8	946.1	943.4	939.4
52.5°	887.1	895.1	889.8	887.1	887.1
55°	830.7	837.4	833.4	833.4	829.4
57.5°	771.7	778.4	773.0	773.0	767.6
60°	709.9	716.6	712.6	708.6	708.6
62.5°	648.2	653.6	652.2	645.5	641.5
65°	587.8	587.8	583.8	569.0	575.7
67.5°	519.4	518.0	512.6	497.9	507.3
70°	452.3	452.3	442.9	425.4	437.5
72.5°	379.8	383.8	371.7	359.7	371.7
75°	312.7	308.7	302.0	291.2	303.3
77.5°	248.3	241.6	233.5	228.1	234.9
80°	181.2	177.1	167.8	167.8	171.8
82.5°	123.5	119.4	112.7	114.1	108.7
85°	68.4	64.4	65.8	65.8	59.0
87.5°	28.2	28.2	28.2	25.5	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)