

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: P565733

Luminaire Tested: **2SNX-40HL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-40HL-UNV-L850-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

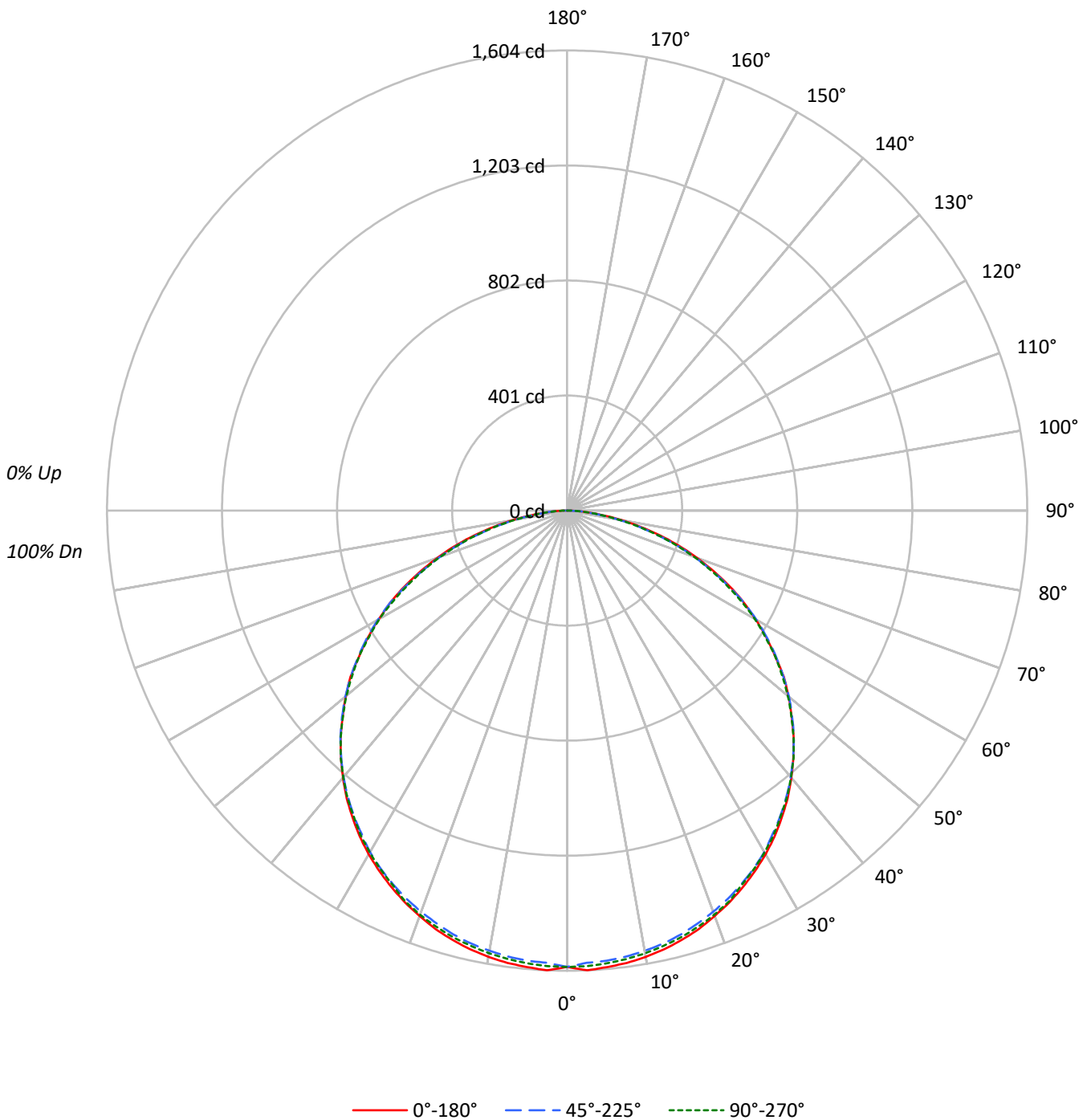
Lumens per Lamp: N/A
Luminaire Lumens: 4761.0 lumens
Efficiency: N/A
Efficacy: 172.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.55
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	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°	34240	34240	34240
5°	34516	34036	34239
10°	34532	34062	34252
15°	34518	34097	34293
20°	34449	34094	34339
25°	34407	34134	34198
30°	34384	34165	34200
35°	34299	34086	34139
40°	34162	34086	34105
45°	33977	34037	33977
50°	33746	33813	33632
55°	33220	33397	33220
60°	32662	32804	32516
65°	31852	31475	31134
70°	30332	29659	29571
75°	27989	26650	26758
80°	23952	22452	22861
85°	17784	17463	16302



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.9	3.2
10°-20°	434.9	9.1
20°-30°	665.8	14.0
30°-40°	814.5	17.1
40°-50°	861.4	18.1
50°-60°	793.7	16.7
60°-70°	610.9	12.8
70°-80°	343.2	7.2
80°-90°	85.6	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°	1251.6	26.3
0°-40°	2066.1	43.4
0°-60°	3721.3	78.2
0°-90°	4761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4761.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1590	1590	1590	1590	1590	
5°	1597	1592	1575	1589	1584	152
15°	1549	1545	1530	1543	1539	437
25°	1448	1447	1437	1447	1440	668
35°	1305	1303	1297	1303	1299	817
45°	1116	1119	1118	1115	1116	861
55°	885	893	890	887	885	793
65°	625	627	618	609	611	617
75°	336	331	320	316	322	354
85°	72	71	71	69	66	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1590.5	1590.5	1590.5	1590.5	1590.5
2.5°	1603.9	1595.2	1577.7	1593.2	1589.1
5°	1597.2	1592.5	1575.0	1589.1	1584.4
7.5°	1590.5	1585.1	1568.3	1583.8	1577.0
10°	1579.7	1575.0	1558.2	1573.0	1566.9
12.5°	1565.6	1561.5	1546.1	1560.2	1554.1
15°	1548.8	1544.7	1529.9	1543.4	1538.7
17.5°	1528.6	1523.9	1509.7	1523.9	1520.5
20°	1503.7	1501.0	1488.2	1501.0	1498.9
22.5°	1478.1	1474.7	1464.6	1474.0	1474.7
25°	1448.5	1447.1	1437.0	1447.1	1439.7
27.5°	1417.5	1417.5	1407.4	1414.1	1409.4
30°	1383.2	1382.5	1374.4	1377.8	1375.8
32.5°	1346.2	1345.5	1334.7	1343.5	1340.1
35°	1305.1	1303.1	1297.0	1303.1	1299.0
37.5°	1262.7	1260.7	1256.0	1259.3	1258.7
40°	1215.6	1215.6	1212.9	1215.6	1213.6
42.5°	1167.1	1169.1	1165.8	1168.5	1168.5
45°	1116.0	1119.3	1118.0	1115.3	1116.0
47.5°	1061.4	1067.5	1064.1	1063.5	1060.1
50°	1007.6	1013.0	1009.6	1006.3	1004.2
52.5°	951.7	954.4	950.4	949.0	944.3
55°	885.1	893.2	889.8	887.1	885.1
57.5°	823.8	829.9	827.2	821.8	818.5
60°	758.6	763.3	761.9	755.9	755.2
62.5°	694.6	696.0	694.6	683.8	684.5
65°	625.3	626.6	617.9	609.1	611.2
67.5°	552.6	556.6	544.5	531.7	540.5
70°	481.9	480.6	471.2	457.0	469.8
72.5°	409.2	407.9	397.1	387.0	395.8
75°	336.5	331.2	320.4	315.7	321.7
77.5°	261.2	255.1	250.4	247.0	249.7
80°	193.2	185.1	181.1	178.4	184.4
82.5°	128.6	122.5	120.5	122.5	121.2
85°	72.0	70.7	70.7	68.7	66.0
87.5°	29.6	31.0	31.6	31.0	29.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)