

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: P565732

Luminaire Tested: **2SNX-40HL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565732
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-L840-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

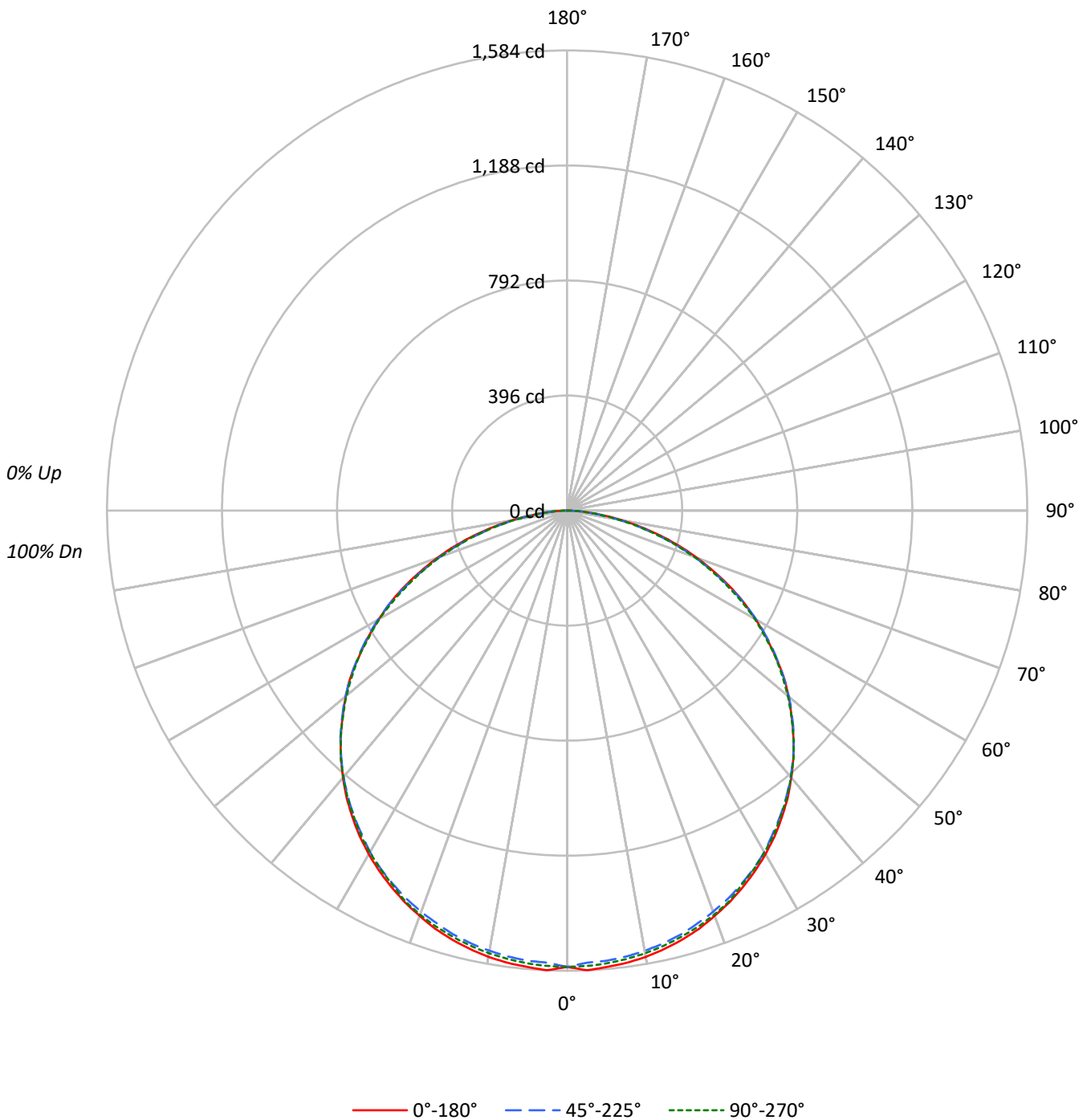
Lumens per Lamp: N/A
Luminaire Lumens: 4701.0 lumens
Efficiency: N/A
Efficacy: 170.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.55
Input Voltage (V): NR
Input Current (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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33807	33807	33807
5°	34081	33608	33809
10°	34097	33632	33822
15°	34082	33667	33861
20°	34014	33663	33908
25°	33972	33704	33768
30°	33949	33735	33767
35°	33868	33658	33710
40°	33732	33656	33675
45°	33547	33608	33547
50°	33321	33388	33210
55°	32800	32976	32800
60°	32249	32391	32107
65°	31450	31078	30742
70°	29955	29281	29199
75°	27640	26309	26425
80°	23642	22167	22576
85°	17562	17241	16080



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.0	3.2
10°-20°	429.4	9.1
20°-30°	657.4	14.0
30°-40°	804.2	17.1
40°-50°	850.6	18.1
50°-60°	783.7	16.7
60°-70°	603.2	12.8
70°-80°	338.9	7.2
80°-90°	84.5	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°	1235.9	26.3
0°-40°	2040.1	43.4
0°-60°	3674.4	78.2
0°-90°	4701.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4701.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1570	1570	1570	1570	1570	
5°	1577	1572	1555	1569	1564	150
15°	1529	1525	1511	1524	1519	432
25°	1430	1429	1419	1429	1422	660
35°	1289	1287	1281	1287	1283	806
45°	1102	1105	1104	1101	1102	850
55°	874	882	879	876	874	783
65°	617	619	610	602	604	609
75°	332	327	316	312	318	350
85°	71	70	70	68	65	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1570.4	1570.4	1570.4	1570.4	1570.4
2.5°	1583.7	1575.1	1557.8	1573.1	1569.1
5°	1577.1	1572.4	1555.2	1569.1	1564.5
7.5°	1570.4	1565.1	1548.5	1563.8	1557.2
10°	1559.8	1555.2	1538.5	1553.2	1547.2
12.5°	1545.9	1541.9	1526.6	1540.5	1534.6
15°	1529.2	1525.3	1510.6	1523.9	1519.3
17.5°	1509.3	1504.6	1490.7	1504.6	1501.3
20°	1484.7	1482.1	1469.4	1482.1	1480.1
22.5°	1459.5	1456.1	1446.2	1455.5	1456.1
25°	1430.2	1428.9	1418.9	1428.9	1421.6
27.5°	1399.6	1399.6	1389.7	1396.3	1391.7
30°	1365.7	1365.1	1357.1	1360.4	1358.4
32.5°	1329.2	1328.5	1317.9	1326.5	1323.2
35°	1288.7	1286.7	1280.7	1286.7	1282.7
37.5°	1246.8	1244.8	1240.1	1243.5	1242.8
40°	1200.3	1200.3	1197.6	1200.3	1198.3
42.5°	1152.4	1154.4	1151.1	1153.7	1153.7
45°	1101.9	1105.2	1103.9	1101.2	1101.9
47.5°	1048.1	1054.1	1050.7	1050.1	1046.7
50°	994.9	1000.2	996.9	993.6	991.6
52.5°	939.7	942.4	938.4	937.1	932.4
55°	873.9	881.9	878.6	875.9	873.9
57.5°	813.5	819.4	816.8	811.5	808.2
60°	749.0	753.7	752.3	746.3	745.7
62.5°	685.9	687.2	685.9	675.2	675.9
65°	617.4	618.7	610.1	601.5	603.5
67.5°	545.6	549.6	537.7	525.0	533.7
70°	475.9	474.5	465.2	451.3	463.9
72.5°	404.1	402.7	392.1	382.1	390.8
75°	332.3	327.0	316.3	311.7	317.7
77.5°	257.9	251.9	247.2	243.9	246.6
80°	190.7	182.8	178.8	176.1	182.1
82.5°	126.9	121.0	119.0	121.0	119.6
85°	71.1	69.8	69.8	67.8	65.1
87.5°	29.2	30.6	31.2	30.6	29.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)