

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: P565737

Luminaire Tested: **2SNX-40HL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565737
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-L950-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

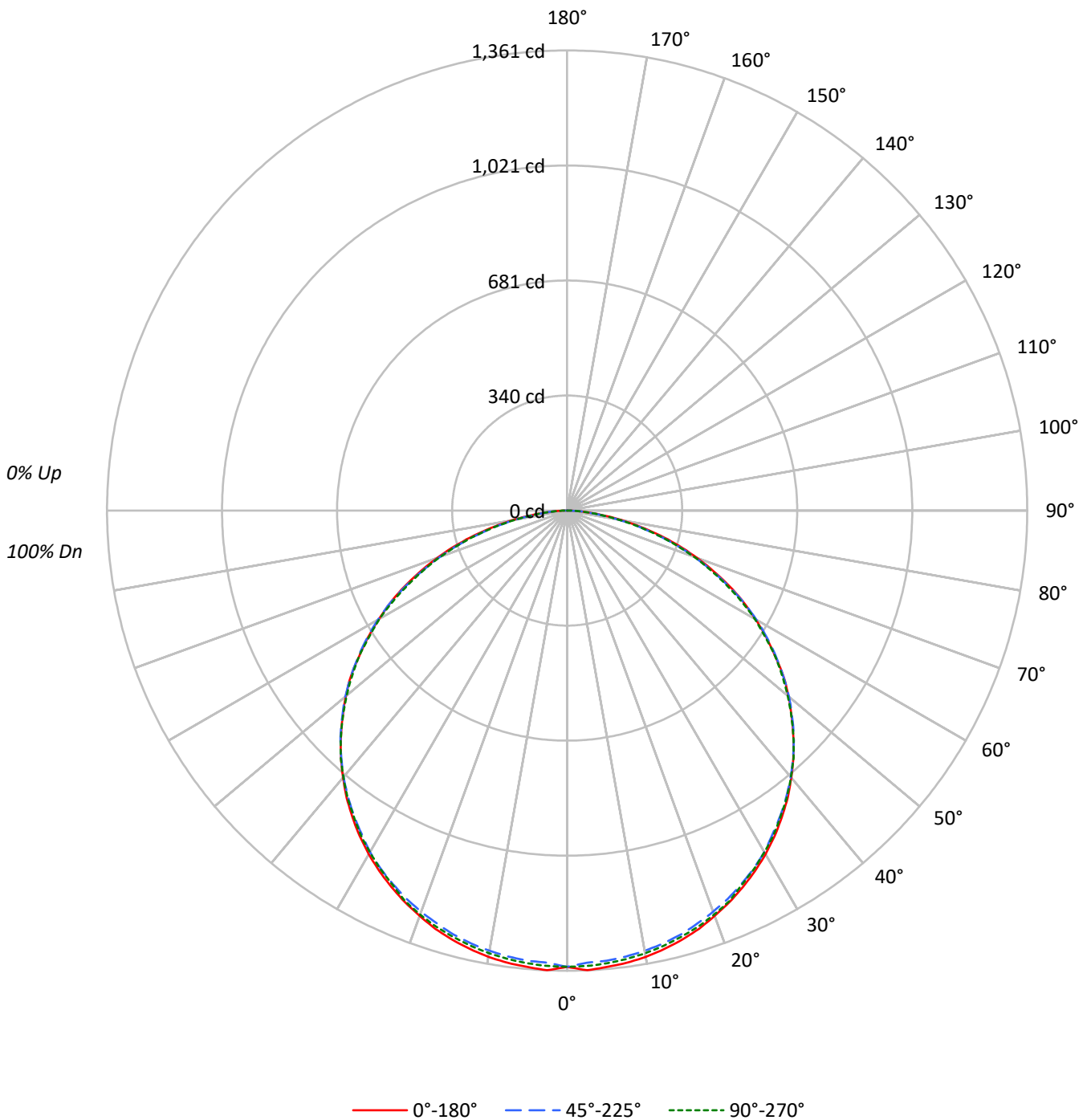
Lumens per Lamp: N/A
Luminaire Lumens: 4039.0 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.55
Input Voltage (V): NR
Input Current (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	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°	29048	29048	29048
5°	29282	28875	29048
10°	29297	28897	29058
15°	29283	28927	29092
20°	29223	28923	29132
25°	29188	28958	29012
30°	29169	28985	29012
35°	29098	28917	28961
40°	28979	28918	28932
45°	28822	28874	28822
50°	28628	28685	28531
55°	28183	28333	28183
60°	27706	27831	27586
65°	27023	26702	26412
70°	25731	25158	25089
75°	23747	22608	22699
80°	20319	19042	19402
85°	15092	14820	13832



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.1	3.2
10°-20°	369.0	9.1
20°-30°	564.8	14.0
30°-40°	690.9	17.1
40°-50°	730.8	18.1
50°-60°	673.4	16.7
60°-70°	518.3	12.8
70°-80°	291.2	7.2
80°-90°	72.6	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°	1061.8	26.3
0°-40°	1752.8	43.4
0°-60°	3156.9	78.2
0°-90°	4039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4039.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1349	1349	1349	1349	1349	
5°	1355	1351	1336	1348	1344	129
15°	1314	1310	1298	1309	1305	371
25°	1229	1228	1219	1228	1221	567
35°	1107	1106	1100	1106	1102	693
45°	947	950	948	946	947	730
55°	751	758	755	753	751	672
65°	530	532	524	517	518	523
75°	286	281	272	268	273	301
85°	61	60	60	58	56	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1349.3	1349.3	1349.3	1349.3	1349.3
2.5°	1360.7	1353.3	1338.4	1351.6	1348.2
5°	1355.0	1351.0	1336.2	1348.2	1344.2
7.5°	1349.3	1344.7	1330.4	1343.6	1337.9
10°	1340.2	1336.2	1321.9	1334.4	1329.3
12.5°	1328.2	1324.7	1311.6	1323.6	1318.5
15°	1313.9	1310.5	1297.9	1309.3	1305.3
17.5°	1296.8	1292.8	1280.8	1292.8	1289.9
20°	1275.6	1273.3	1262.5	1273.3	1271.6
22.5°	1253.9	1251.1	1242.5	1250.5	1251.1
25°	1228.8	1227.7	1219.1	1227.7	1221.4
27.5°	1202.5	1202.5	1194.0	1199.7	1195.7
30°	1173.4	1172.9	1166.0	1168.9	1167.1
32.5°	1142.0	1141.4	1132.3	1139.7	1136.9
35°	1107.2	1105.5	1100.3	1105.5	1102.0
37.5°	1071.2	1069.5	1065.5	1068.4	1067.8
40°	1031.2	1031.2	1029.0	1031.2	1029.5
42.5°	990.1	991.8	989.0	991.3	991.3
45°	946.7	949.6	948.4	946.2	946.7
47.5°	900.5	905.6	902.8	902.2	899.3
50°	854.8	859.4	856.5	853.7	851.9
52.5°	807.4	809.7	806.3	805.1	801.1
55°	750.9	757.7	754.9	752.6	750.9
57.5°	698.9	704.1	701.8	697.2	694.3
60°	643.5	647.5	646.4	641.2	640.7
62.5°	589.3	590.4	589.3	580.1	580.7
65°	530.5	531.6	524.2	516.8	518.5
67.5°	468.8	472.2	461.9	451.1	458.5
70°	408.8	407.7	399.7	387.7	398.6
72.5°	347.2	346.0	336.9	328.3	335.8
75°	285.5	280.9	271.8	267.8	272.9
77.5°	221.6	216.4	212.4	209.6	211.8
80°	163.9	157.0	153.6	151.3	156.5
82.5°	109.1	103.9	102.2	103.9	102.8
85°	61.1	60.0	60.0	58.2	56.0
87.5°	25.1	26.3	26.8	26.3	25.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)