

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: P565736

Luminaire Tested: **2SNX-40HL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565736
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-L940-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

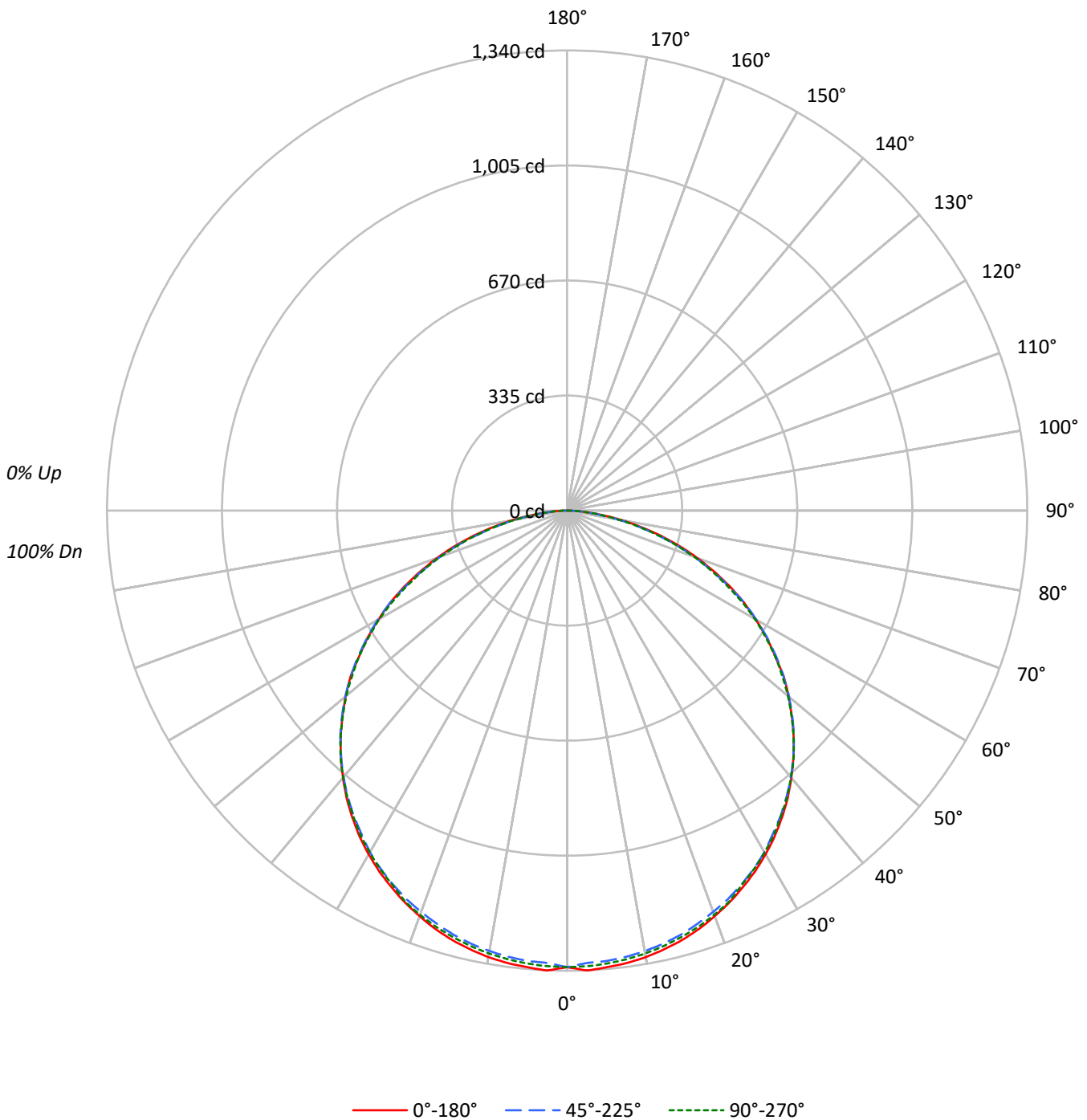
Lumens per Lamp: N/A
Luminaire Lumens: 3979.0 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P565736

CATALOG NUMBER: 2SNX-40HL-UNV-L940-CD

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°	28615	28615	28615
5°	28847	28445	28616
10°	28859	28466	28628
15°	28849	28496	28659
20°	28790	28492	28699
25°	28756	28528	28580
30°	28736	28555	28582
35°	28664	28488	28533
40°	28549	28488	28502
45°	28396	28448	28396
50°	28203	28260	28109
55°	27763	27913	27763
60°	27297	27418	27177
65°	26621	26305	26020
70°	25354	24787	24711
75°	23398	22275	22366
80°	20009	18757	19104
85°	14870	14598	13610



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	3.2
10°-20°	363.5	9.1
20°-30°	556.4	14.0
30°-40°	680.7	17.1
40°-50°	720.0	18.1
50°-60°	663.4	16.7
60°-70°	510.6	12.8
70°-80°	286.9	7.2
80°-90°	71.6	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°	1046.1	26.3
0°-40°	1726.7	43.4
0°-60°	3110.0	78.2
0°-90°	3979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1329	1329	1329	1329	1329	
5°	1335	1331	1316	1328	1324	127
15°	1294	1291	1279	1290	1286	365
25°	1211	1209	1201	1209	1203	558
35°	1091	1089	1084	1089	1086	683
45°	933	936	934	932	933	719
55°	740	746	744	741	740	662
65°	523	524	516	509	511	516
75°	281	277	268	264	269	296
85°	60	59	59	57	55	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1329.2	1329.2	1329.2	1329.2	1329.2
2.5°	1340.5	1333.2	1318.6	1331.5	1328.1
5°	1334.9	1330.9	1316.3	1328.1	1324.2
7.5°	1329.2	1324.7	1310.7	1323.6	1318.0
10°	1320.2	1316.3	1302.2	1314.6	1309.6
12.5°	1308.4	1305.1	1292.1	1303.9	1298.9
15°	1294.4	1291.0	1278.6	1289.9	1285.9
17.5°	1277.5	1273.6	1261.7	1273.6	1270.7
20°	1256.7	1254.4	1243.7	1254.4	1252.7
22.5°	1235.3	1232.5	1224.1	1231.9	1232.5
25°	1210.6	1209.4	1201.0	1209.4	1203.2
27.5°	1184.7	1184.7	1176.2	1181.9	1177.9
30°	1156.0	1155.4	1148.7	1151.5	1149.8
32.5°	1125.1	1124.5	1115.5	1122.8	1120.0
35°	1090.7	1089.0	1084.0	1089.0	1085.7
37.5°	1055.3	1053.6	1049.7	1052.5	1051.9
40°	1015.9	1015.9	1013.7	1015.9	1014.2
42.5°	975.4	977.1	974.3	976.5	976.5
45°	932.7	935.5	934.4	932.1	932.7
47.5°	887.1	892.2	889.4	888.8	886.0
50°	842.1	846.6	843.8	841.0	839.3
52.5°	795.4	797.7	794.3	793.2	789.2
55°	739.7	746.5	743.7	741.4	739.7
57.5°	688.5	693.6	691.3	686.8	684.0
60°	634.0	637.9	636.8	631.7	631.2
62.5°	580.5	581.7	580.5	571.5	572.1
65°	522.6	523.7	516.4	509.1	510.8
67.5°	461.8	465.2	455.1	444.4	451.7
70°	402.8	401.6	393.8	382.0	392.6
72.5°	342.0	340.9	331.9	323.5	330.8
75°	281.3	276.8	267.8	263.8	268.9
77.5°	218.3	213.2	209.3	206.4	208.7
80°	161.4	154.7	151.3	149.1	154.1
82.5°	107.4	102.4	100.7	102.4	101.3
85°	60.2	59.1	59.1	57.4	55.1
87.5°	24.8	25.9	26.4	25.9	24.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)