

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: P565734

Luminaire Tested: **2SNX-40HL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565734  
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-L930-CD  
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

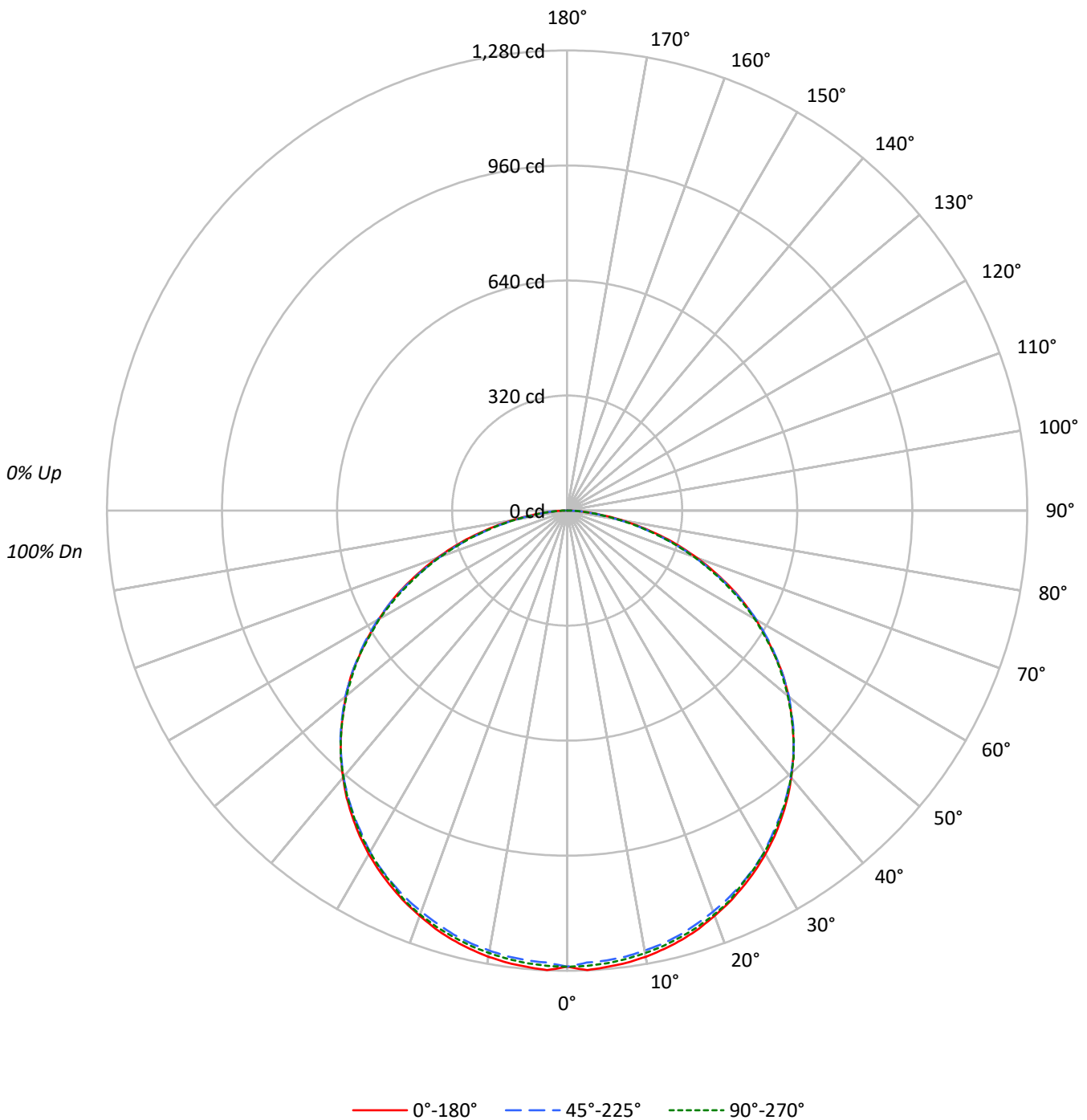
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3798.0 lumens  
Efficiency: N/A  
Efficacy: 137.9 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<sub>in</sub>): 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°	27315	27315	27315
5°	27536	27151	27313
10°	27548	27172	27325
15°	27536	27202	27355
20°	27480	27198	27395
25°	27447	27231	27281
30°	27429	27255	27282
35°	27361	27193	27235
40°	27251	27192	27206
45°	27102	27154	27102
50°	26920	26974	26830
55°	26502	26641	26502
60°	26053	26169	25937
65°	25408	25108	24833
70°	24195	23660	23591
75°	22333	21260	21352
80°	19104	17902	18237
85°	14203	13931	12992



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.4	3.2
10°-20°	346.9	9.1
20°-30°	531.1	14.0
30°-40°	649.7	17.1
40°-50°	687.2	18.1
50°-60°	633.2	16.7
60°-70°	487.3	12.8
70°-80°	273.8	7.2
80°-90°	68.3	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°	998.5	26.3
0°-40°	1648.2	43.4
0°-60°	2968.6	78.2
0°-90°	3798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3798.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1269	1269	1269	1269	1269	
5°	1274	1270	1256	1268	1264	121
15°	1236	1232	1220	1231	1227	349
25°	1156	1154	1146	1154	1148	533
35°	1041	1040	1035	1040	1036	652
45°	890	893	892	890	890	686
55°	706	712	710	708	706	632
65°	499	500	493	486	488	492
75°	268	264	256	252	257	283
85°	58	56	56	55	53	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1268.8	1268.8	1268.8	1268.8	1268.8
2.5°	1279.5	1272.5	1258.6	1270.9	1267.7
5°	1274.2	1270.4	1256.4	1267.7	1263.9
7.5°	1268.8	1264.5	1251.1	1263.4	1258.0
10°	1260.2	1256.4	1243.0	1254.8	1250.0
12.5°	1248.9	1245.7	1233.3	1244.6	1239.8
15°	1235.5	1232.3	1220.5	1231.2	1227.4
17.5°	1219.4	1215.6	1204.3	1215.6	1212.9
20°	1199.5	1197.4	1187.2	1197.4	1195.8
22.5°	1179.1	1176.4	1168.4	1175.9	1176.4
25°	1155.5	1154.4	1146.4	1154.4	1148.5
27.5°	1130.8	1130.8	1122.7	1128.1	1124.3
30°	1103.4	1102.9	1096.4	1099.1	1097.5
32.5°	1073.9	1073.3	1064.7	1071.7	1069.0
35°	1041.1	1039.5	1034.7	1039.5	1036.3
37.5°	1007.3	1005.7	1001.9	1004.6	1004.1
40°	969.7	969.7	967.6	969.7	968.1
42.5°	931.0	932.7	930.0	932.1	932.1
45°	890.2	892.9	891.9	889.7	890.2
47.5°	846.7	851.6	848.9	848.4	845.7
50°	803.8	808.1	805.4	802.7	801.1
52.5°	759.2	761.4	758.2	757.1	753.3
55°	706.1	712.5	709.8	707.7	706.1
57.5°	657.2	662.0	659.9	655.6	652.9
60°	605.1	608.9	607.8	603.0	602.4
62.5°	554.1	555.2	554.1	545.5	546.1
65°	498.8	499.9	492.9	485.9	487.5
67.5°	440.8	444.0	434.4	424.2	431.2
70°	384.4	383.4	375.9	364.6	374.8
72.5°	326.5	325.4	316.8	308.7	315.7
75°	268.5	264.2	255.6	251.8	256.7
77.5°	208.3	203.5	199.7	197.1	199.2
80°	154.1	147.7	144.4	142.3	147.1
82.5°	102.6	97.7	96.1	97.7	96.6
85°	57.5	56.4	56.4	54.8	52.6
87.5°	23.6	24.7	25.2	24.7	23.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)