

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: P565828

Luminaire Tested: **2SNX-47HL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565828
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-47HL-UNV-L840-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

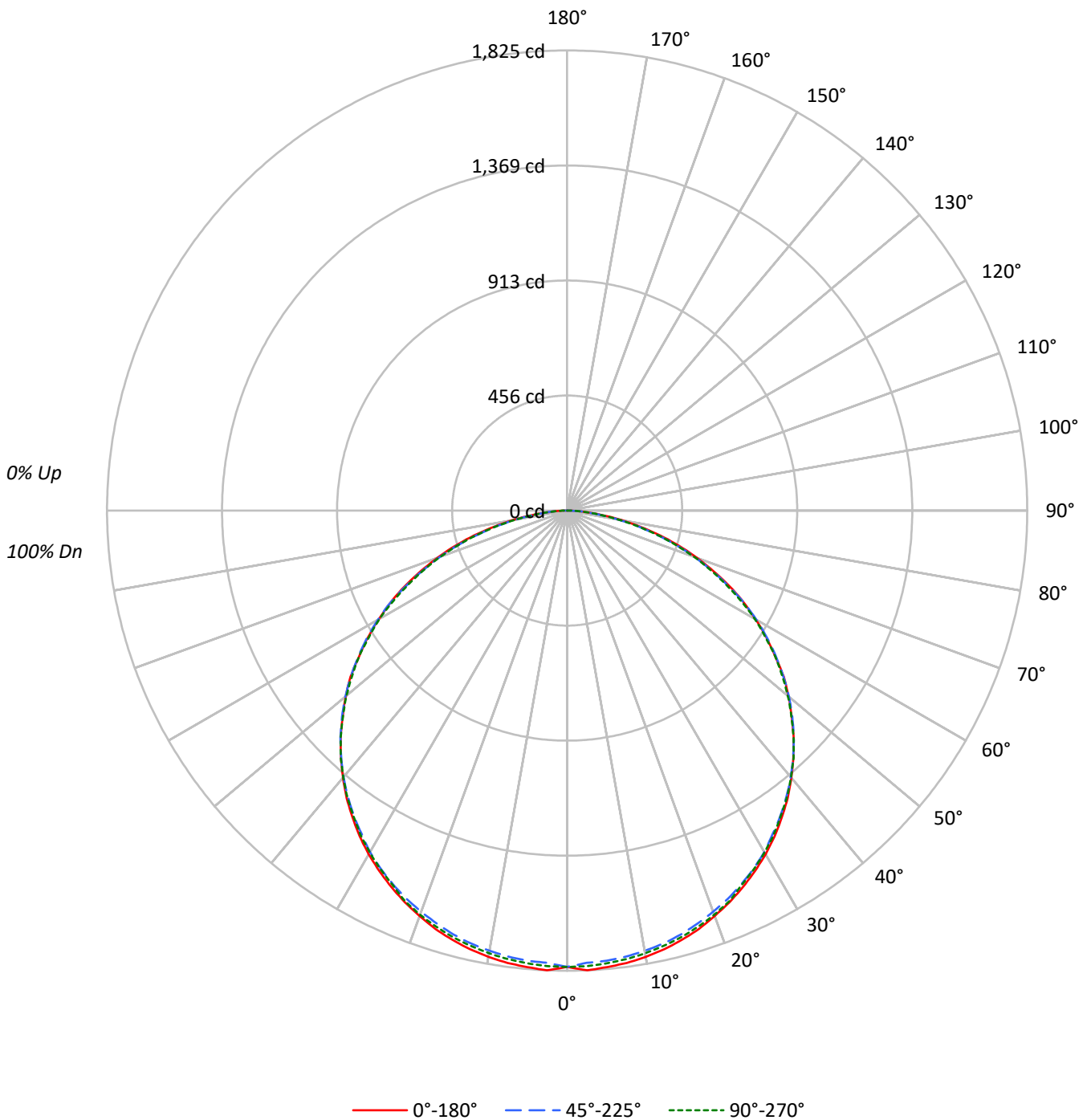
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5417.0 lumens
Efficiency: N/A
Efficacy: 160.7 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): 33.7
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°	38957	38957	38957
5°	39272	38725	38956
10°	39291	38755	38972
15°	39275	38795	39018
20°	39193	38790	39072
25°	39145	38837	38910
30°	39122	38873	38911
35°	39024	38782	38843
40°	38869	38782	38804
45°	38656	38726	38656
50°	38394	38472	38267
55°	37799	37998	37799
60°	37161	37325	36998
65°	36238	35810	35423
70°	34512	33744	33643
75°	31849	30318	30451
80°	27249	25539	26010
85°	20230	19859	18550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	3.2
10°-20°	494.8	9.1
20°-30°	757.5	14.0
30°-40°	926.7	17.1
40°-50°	980.1	18.1
50°-60°	903.1	16.7
60°-70°	695.1	12.8
70°-80°	390.5	7.2
80°-90°	97.4	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°	1424.1	26.3
0°-40°	2350.8	43.4
0°-60°	4234.0	78.2
0°-90°	5417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5417.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1810	1810	1810	1810	1810	
5°	1817	1812	1792	1808	1803	173
15°	1762	1758	1741	1756	1751	497
25°	1648	1646	1635	1646	1638	760
35°	1485	1483	1476	1483	1478	929
45°	1270	1274	1272	1269	1270	979
55°	1007	1016	1012	1009	1007	902
65°	711	713	703	693	695	702
75°	383	377	364	359	366	403
85°	82	80	80	78	75	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1809.6	1809.6	1809.6	1809.6	1809.6
2.5°	1825.0	1815.0	1795.1	1812.7	1808.1
5°	1817.3	1811.9	1792.0	1808.1	1802.7
7.5°	1809.6	1803.5	1784.4	1802.0	1794.3
10°	1797.4	1792.0	1772.9	1789.7	1782.8
12.5°	1781.3	1776.7	1759.1	1775.2	1768.3
15°	1762.2	1757.6	1740.7	1756.0	1750.7
17.5°	1739.2	1733.8	1717.7	1733.8	1730.0
20°	1710.8	1707.8	1693.2	1707.8	1705.5
22.5°	1681.7	1677.9	1666.4	1677.1	1677.9
25°	1648.0	1646.5	1635.0	1646.5	1638.1
27.5°	1612.8	1612.8	1601.3	1609.0	1603.6
30°	1573.8	1573.0	1563.8	1567.6	1565.3
32.5°	1531.6	1530.9	1518.6	1528.6	1524.7
35°	1484.9	1482.6	1475.7	1482.6	1478.0
37.5°	1436.7	1434.4	1429.0	1432.9	1432.1
40°	1383.1	1383.1	1380.0	1383.1	1380.8
42.5°	1327.9	1330.2	1326.4	1329.5	1329.5
45°	1269.7	1273.6	1272.0	1269.0	1269.7
47.5°	1207.7	1214.6	1210.8	1210.0	1206.2
50°	1146.4	1152.6	1148.7	1144.9	1142.6
52.5°	1082.9	1085.9	1081.3	1079.8	1074.4
55°	1007.1	1016.2	1012.4	1009.4	1007.1
57.5°	937.4	944.3	941.2	935.1	931.2
60°	863.1	868.4	866.9	860.0	859.3
62.5°	790.3	791.9	790.3	778.1	778.8
65°	711.4	713.0	703.0	693.1	695.4
67.5°	628.7	633.3	619.5	605.0	615.0
70°	548.3	546.8	536.1	520.0	534.5
72.5°	465.6	464.1	451.8	440.3	450.3
75°	382.9	376.8	364.5	359.2	366.1
77.5°	297.1	290.2	284.9	281.1	284.1
80°	219.8	210.6	206.0	202.9	209.8
82.5°	146.3	139.4	137.1	139.4	137.8
85°	81.9	80.4	80.4	78.1	75.1
87.5°	33.7	35.2	36.0	35.2	33.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)