

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: P566512

Luminaire Tested: **4SNX-48SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-48SL-UNV-L840-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

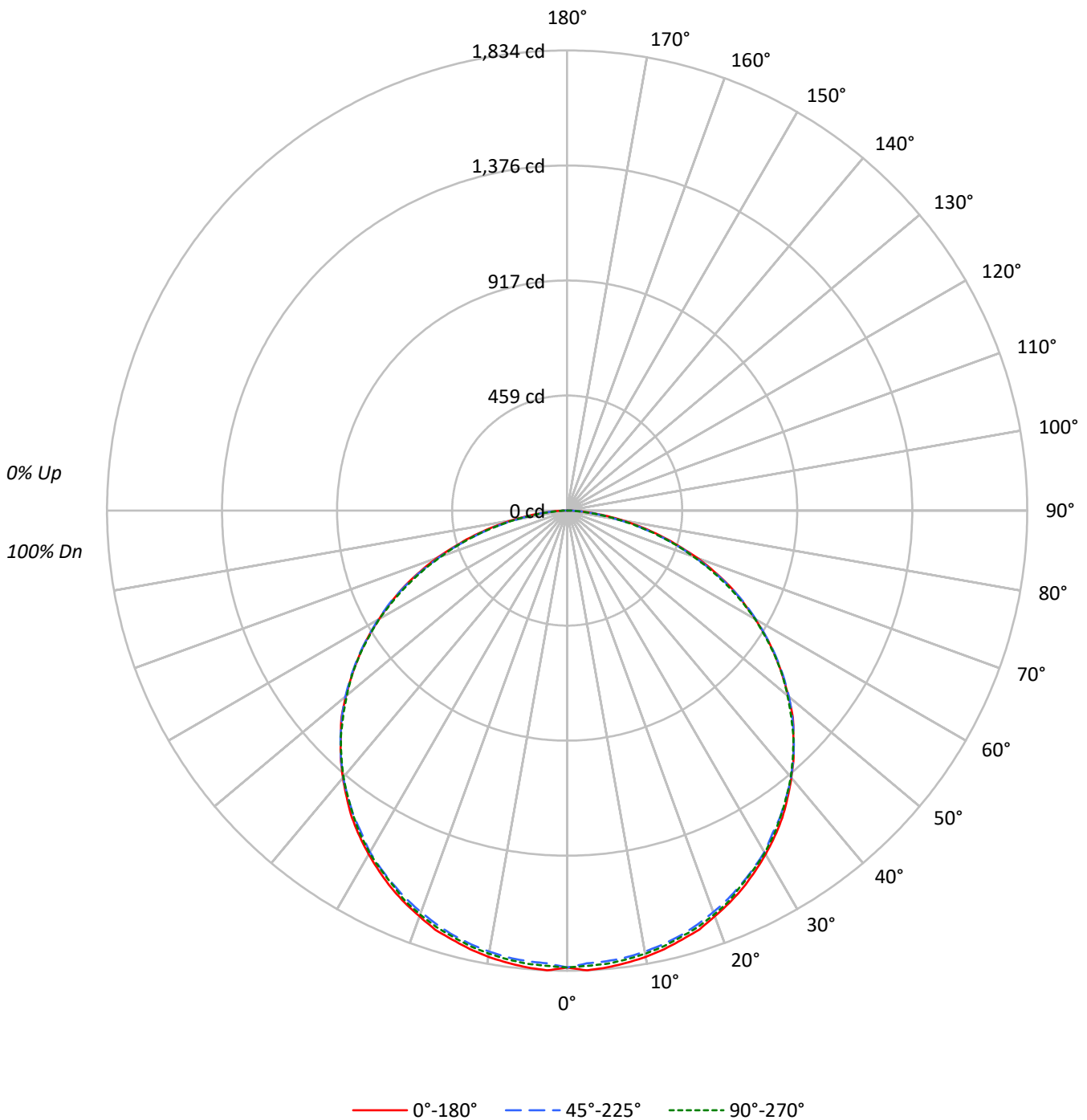
Lumens per Lamp: N/A
Luminaire Lumens: 5445.0 lumens
Efficiency: N/A
Efficacy: 169.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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°	19602	19602	19602
5°	19747	19483	19588
10°	19743	19510	19600
15°	19728	19527	19599
20°	19716	19510	19622
25°	19702	19509	19547
30°	19663	19541	19581
35°	19647	19496	19519
40°	19537	19513	19491
45°	19419	19445	19419
50°	19279	19333	19197
55°	19023	19085	18993
60°	18650	18721	18615
65°	18269	18145	17895
70°	17369	17007	16803
75°	15870	15325	15392
80°	13705	12689	12992
85°	10312	9905	8904



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.8	3.2
10°-20°	497.8	9.1
20°-30°	761.7	14.0
30°-40°	931.3	17.1
40°-50°	985.1	18.1
50°-60°	907.7	16.7
60°-70°	699.4	12.8
70°-80°	391.9	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°	1432.2	26.3
0°-40°	2363.5	43.4
0°-60°	4256.3	78.2
0°-90°	5445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5445.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1821	1821	1821	1821	1821	
5°	1828	1821	1803	1821	1813	174
15°	1770	1767	1752	1767	1759	500
25°	1659	1656	1643	1656	1646	765
35°	1495	1492	1484	1489	1485	934
45°	1276	1281	1277	1276	1276	985
55°	1014	1022	1017	1017	1012	905
65°	717	717	712	694	703	706
75°	382	377	368	355	370	405
85°	84	79	80	80	72	103
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1821.1	1821.1	1821.1	1821.1	1821.1
2.5°	1834.2	1826.0	1806.3	1824.4	1816.2
5°	1827.6	1821.1	1803.1	1821.1	1812.9
7.5°	1817.8	1812.9	1796.5	1812.9	1804.7
10°	1806.3	1801.4	1785.0	1801.4	1793.2
12.5°	1790.0	1786.7	1770.3	1786.7	1778.5
15°	1770.3	1767.0	1752.3	1767.0	1758.8
17.5°	1750.7	1744.1	1729.4	1745.7	1739.2
20°	1721.2	1717.9	1703.2	1717.9	1713.0
22.5°	1691.7	1688.4	1675.3	1688.4	1685.2
25°	1658.9	1655.7	1642.6	1655.7	1645.8
27.5°	1621.3	1622.9	1608.2	1616.4	1611.5
30°	1582.0	1582.0	1572.2	1575.4	1575.4
32.5°	1539.4	1539.4	1524.7	1534.5	1532.8
35°	1495.2	1491.9	1483.7	1488.6	1485.4
37.5°	1442.8	1441.1	1436.2	1439.5	1436.2
40°	1390.4	1392.0	1388.7	1387.1	1387.1
42.5°	1336.3	1339.6	1334.7	1333.1	1331.4
45°	1275.7	1280.6	1277.4	1275.7	1275.7
47.5°	1220.1	1221.7	1216.8	1215.1	1210.2
50°	1151.3	1157.8	1154.5	1151.3	1146.4
52.5°	1082.5	1092.3	1085.8	1082.5	1082.5
55°	1013.7	1021.9	1017.0	1017.0	1012.1
57.5°	941.7	949.8	943.3	943.3	936.7
60°	866.3	874.5	869.6	864.7	864.7
62.5°	791.0	797.5	795.9	787.7	782.8
65°	717.3	717.3	712.4	694.4	702.6
67.5°	633.8	632.1	625.6	607.6	619.0
70°	551.9	551.9	540.4	519.1	533.9
72.5°	463.5	468.4	453.6	438.9	453.6
75°	381.6	376.7	368.5	355.4	370.1
77.5°	303.0	294.8	285.0	278.4	286.6
80°	221.1	216.2	204.7	204.7	209.6
82.5°	150.7	145.8	137.6	139.2	132.7
85°	83.5	78.6	80.2	80.2	72.1
87.5°	34.4	34.4	34.4	31.1	27.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)