

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: P566511

Luminaire Tested: **4SNX-48SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566511
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-L835-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

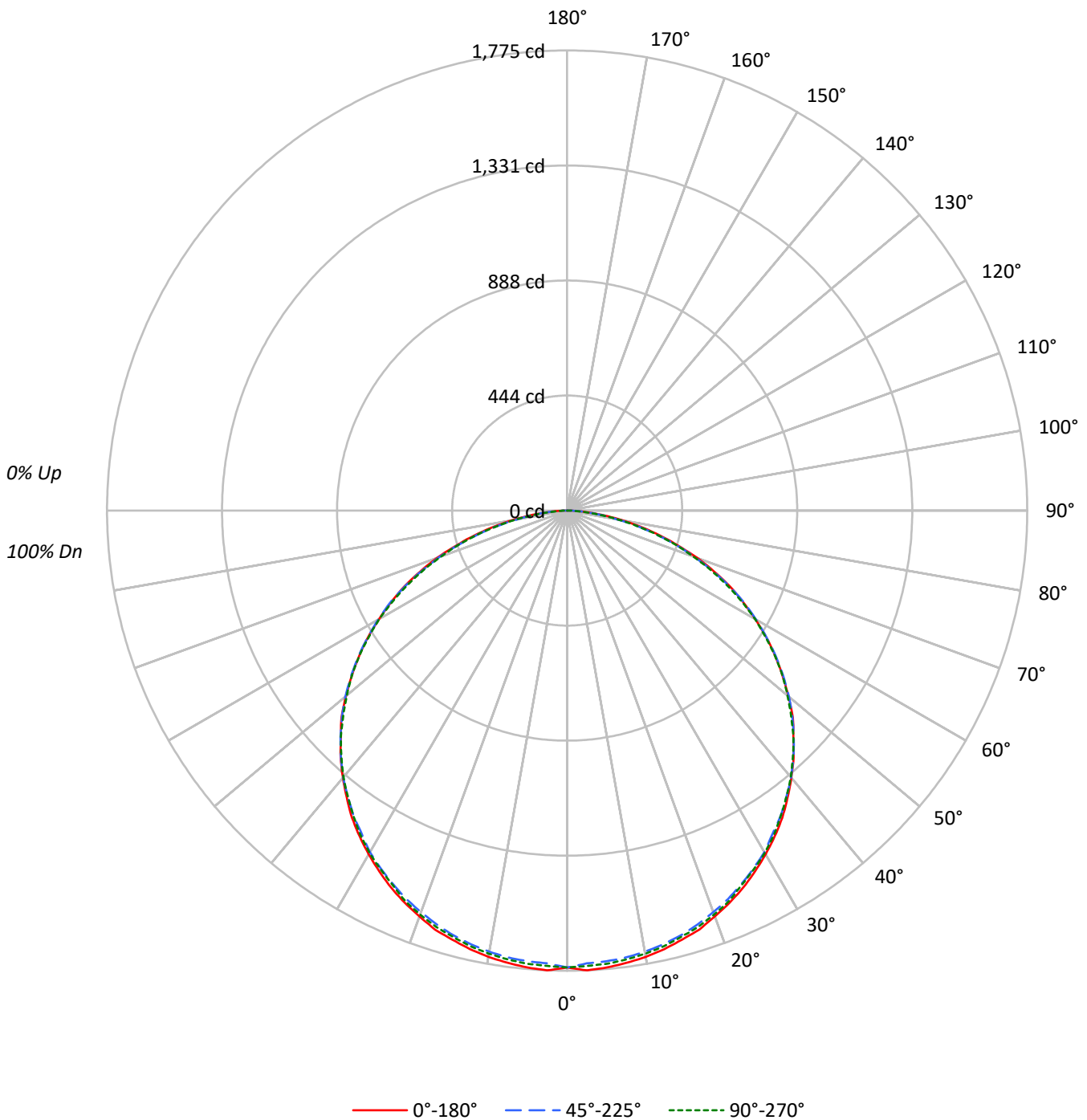
Lumens per Lamp: N/A
Luminaire Lumens: 5270.0 lumens
Efficiency: N/A
Efficacy: 164.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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°	18971	18971	18971
5°	19113	18856	18959
10°	19109	18884	18970
15°	19093	18900	18970
20°	19082	18882	18991
25°	19069	18882	18918
30°	19030	18912	18952
35°	19015	18869	18891
40°	18909	18886	18864
45°	18795	18820	18795
50°	18660	18712	18579
55°	18412	18472	18382
60°	18051	18118	18017
65°	17681	17561	17319
70°	16812	16463	16261
75°	15359	14830	14897
80°	13265	12280	12577
85°	9979	9596	8608



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.2	3.2
10°-20°	481.8	9.1
20°-30°	737.2	14.0
30°-40°	901.3	17.1
40°-50°	953.5	18.1
50°-60°	878.5	16.7
60°-70°	676.9	12.8
70°-80°	379.3	7.2
80°-90°	94.3	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°	1386.2	26.3
0°-40°	2287.5	43.4
0°-60°	4119.5	78.2
0°-90°	5270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5270.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1762	1762	1762	1762	1762	
5°	1769	1762	1745	1762	1755	168
15°	1713	1710	1696	1710	1702	484
25°	1606	1602	1590	1602	1593	740
35°	1447	1444	1436	1441	1438	904
45°	1235	1240	1236	1235	1235	954
55°	981	989	984	984	980	876
65°	694	694	690	672	680	683
75°	369	365	357	344	358	392
85°	81	76	78	78	70	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1762.5	1762.5	1762.5	1762.5	1762.5
2.5°	1775.2	1767.3	1748.3	1765.7	1757.8
5°	1768.9	1762.5	1745.1	1762.5	1754.6
7.5°	1759.4	1754.6	1738.8	1754.6	1746.7
10°	1748.3	1743.5	1727.7	1743.5	1735.6
12.5°	1732.4	1729.3	1713.4	1729.3	1721.3
15°	1713.4	1710.2	1696.0	1710.2	1702.3
17.5°	1694.4	1688.1	1673.8	1689.6	1683.3
20°	1665.9	1662.7	1648.4	1662.7	1657.9
22.5°	1637.3	1634.2	1621.5	1634.2	1631.0
25°	1605.6	1602.5	1589.8	1602.5	1592.9
27.5°	1569.2	1570.8	1556.5	1564.4	1559.7
30°	1531.1	1531.1	1521.6	1524.8	1524.8
32.5°	1489.9	1489.9	1475.7	1485.2	1483.6
35°	1447.1	1444.0	1436.0	1440.8	1437.6
37.5°	1396.4	1394.8	1390.1	1393.2	1390.1
40°	1345.7	1347.3	1344.1	1342.5	1342.5
42.5°	1293.4	1296.6	1291.8	1290.2	1288.6
45°	1234.7	1239.5	1236.3	1234.7	1234.7
47.5°	1180.8	1182.4	1177.7	1176.1	1171.3
50°	1114.3	1120.6	1117.4	1114.3	1109.5
52.5°	1047.7	1057.2	1050.9	1047.7	1047.7
55°	981.1	989.1	984.3	984.3	979.5
57.5°	911.4	919.3	913.0	913.0	906.6
60°	838.5	846.4	841.6	836.9	836.9
62.5°	765.6	771.9	770.3	762.4	757.6
65°	694.2	694.2	689.5	672.1	680.0
67.5°	613.4	611.8	605.5	588.0	599.1
70°	534.2	534.2	523.1	502.5	516.7
72.5°	448.6	453.3	439.1	424.8	439.1
75°	369.3	364.6	356.6	344.0	358.2
77.5°	293.2	285.3	275.8	269.5	277.4
80°	214.0	209.2	198.1	198.1	202.9
82.5°	145.8	141.1	133.1	134.7	128.4
85°	80.8	76.1	77.7	77.7	69.7
87.5°	33.3	33.3	33.3	30.1	26.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)