

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: P566607

Luminaire Tested: **4SNX-57SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566607
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-57SL-UNV-L835-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

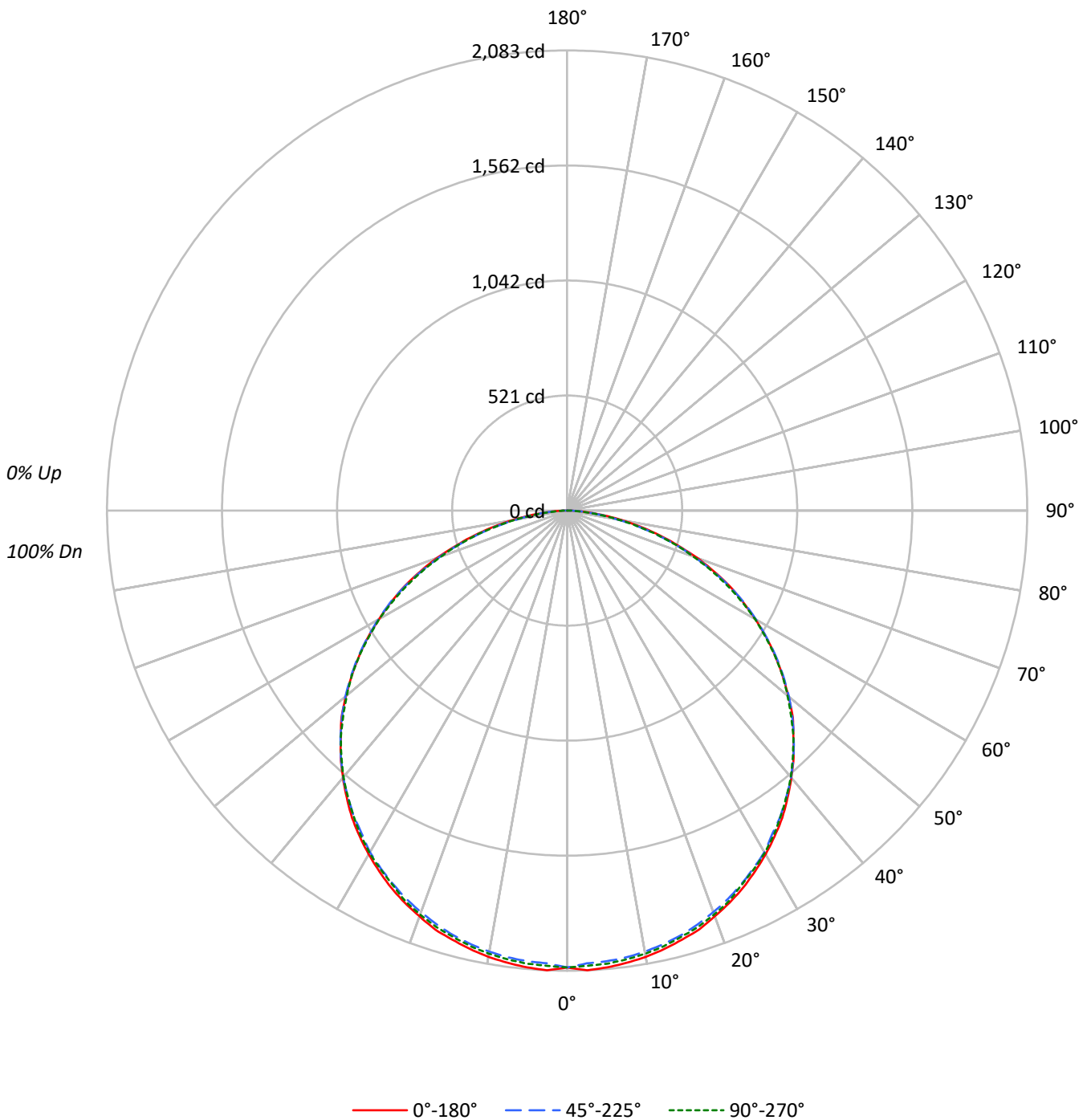
Lumens per Lamp: N/A
Luminaire Lumens: 6184.0 lumens
Efficiency: N/A
Efficacy: 155.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 39.7
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°	22262	22262	22262
5°	22428	22127	22246
10°	22423	22158	22260
15°	22405	22177	22261
20°	22392	22157	22285
25°	22377	22156	22200
30°	22331	22192	22238
35°	22314	22143	22166
40°	22188	22162	22136
45°	22056	22083	22056
50°	21895	21957	21801
55°	21606	21675	21570
60°	21181	21261	21140
65°	20748	20607	20322
70°	19726	19317	19081
75°	18024	17405	17480
80°	15565	14412	14759
85°	11720	11251	10102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.2	3.2
10°-20°	565.4	9.1
20°-30°	865.0	14.0
30°-40°	1057.7	17.1
40°-50°	1118.8	18.1
50°-60°	1030.9	16.7
60°-70°	794.3	12.8
70°-80°	445.1	7.2
80°-90°	110.6	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°	1626.6	26.3
0°-40°	2684.3	43.4
0°-60°	4833.9	78.2
0°-90°	6184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6184.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2068	2068	2068	2068	2068	
5°	2076	2068	2048	2068	2059	197
15°	2011	2007	1990	2007	1998	568
25°	1884	1880	1866	1880	1869	868
35°	1698	1694	1685	1691	1687	1061
45°	1449	1454	1451	1449	1449	1119
55°	1151	1161	1155	1155	1149	1028
65°	815	815	809	789	798	801
75°	433	428	418	404	420	460
85°	95	89	91	91	82	117
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2068.2	2068.2	2068.2	2068.2	2068.2
2.5°	2083.1	2073.8	2051.5	2072.0	2062.7
5°	2075.7	2068.2	2047.8	2068.2	2058.9
7.5°	2064.5	2058.9	2040.3	2058.9	2049.6
10°	2051.5	2045.9	2027.3	2045.9	2036.6
12.5°	2032.9	2029.2	2010.6	2029.2	2019.9
15°	2010.6	2006.9	1990.1	2006.9	1997.6
17.5°	1988.3	1980.8	1964.1	1982.7	1975.2
20°	1954.8	1951.1	1934.3	1951.1	1945.5
22.5°	1921.3	1917.6	1902.7	1917.6	1913.9
25°	1884.1	1880.4	1865.5	1880.4	1869.2
27.5°	1841.3	1843.2	1826.4	1835.7	1830.2
30°	1796.7	1796.7	1785.5	1789.2	1789.2
32.5°	1748.3	1748.3	1731.6	1742.7	1740.9
35°	1698.1	1694.4	1685.1	1690.7	1686.9
37.5°	1638.6	1636.7	1631.2	1634.9	1631.2
40°	1579.1	1580.9	1577.2	1575.4	1575.4
42.5°	1517.7	1521.4	1515.8	1514.0	1512.1
45°	1448.9	1454.5	1450.7	1448.9	1448.9
47.5°	1385.6	1387.5	1381.9	1380.1	1374.5
50°	1307.5	1315.0	1311.2	1307.5	1301.9
52.5°	1229.4	1240.6	1233.1	1229.4	1229.4
55°	1151.3	1160.6	1155.0	1155.0	1149.4
57.5°	1069.5	1078.8	1071.3	1071.3	1063.9
60°	983.9	993.2	987.6	982.0	982.0
62.5°	898.3	905.8	903.9	894.6	889.0
65°	814.6	814.6	809.1	788.6	797.9
67.5°	719.8	717.9	710.5	690.0	703.1
70°	626.8	626.8	613.8	589.6	606.3
72.5°	526.4	531.9	515.2	498.5	515.2
75°	433.4	427.8	418.5	403.6	420.3
77.5°	344.1	334.8	323.6	316.2	325.5
80°	251.1	245.5	232.5	232.5	238.1
82.5°	171.1	165.5	156.2	158.1	150.7
85°	94.9	89.3	91.1	91.1	81.8
87.5°	39.1	39.1	39.1	35.3	31.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)