

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: P566660

Luminaire Tested: **4SNX-60SL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566660
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-60SL-UNV-L940-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

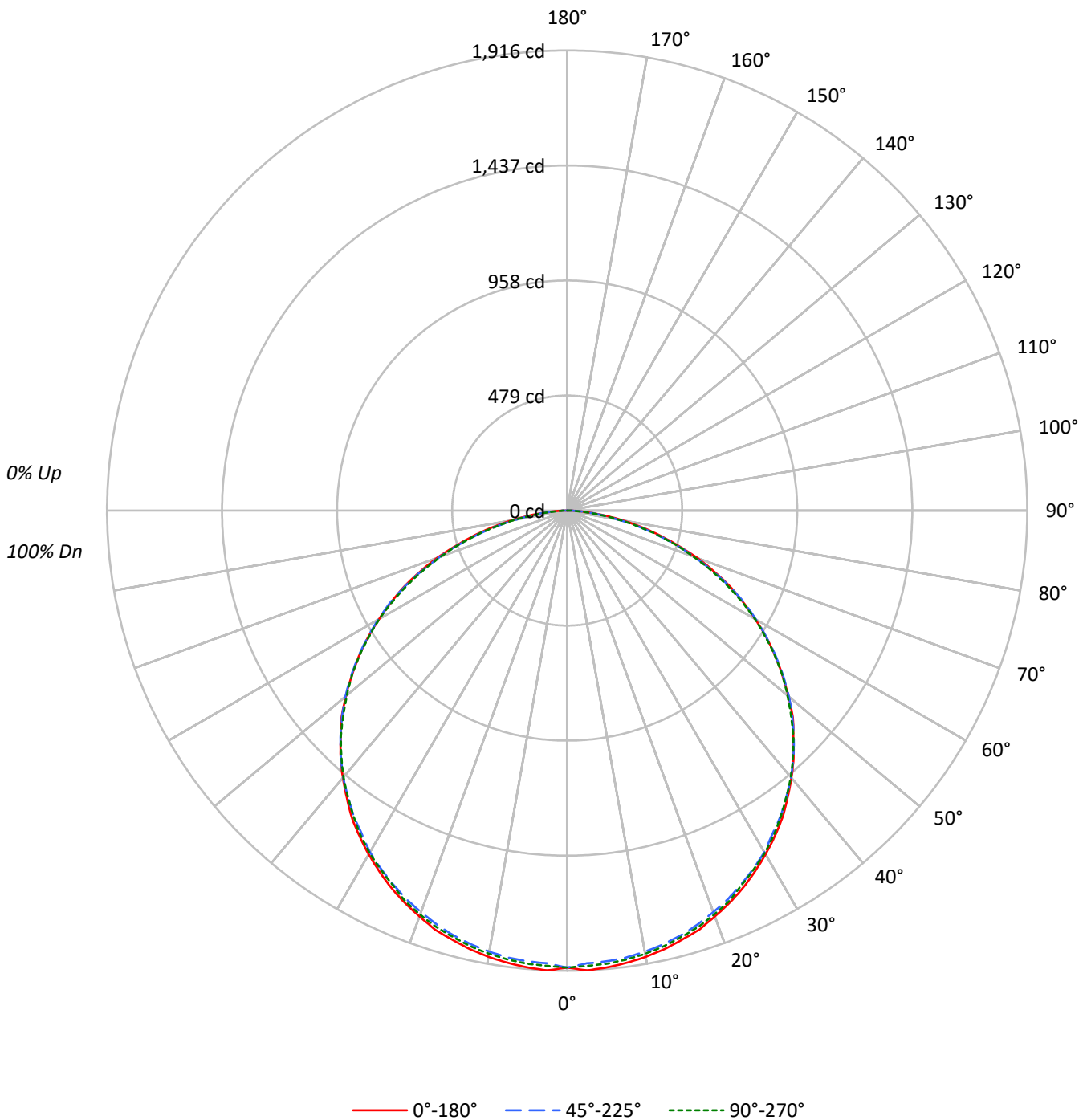
Lumens per Lamp: N/A
Luminaire Lumens: 5689.0 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 42
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20481	20481	20481
5°	20632	20356	20466
10°	20628	20384	20478
15°	20611	20402	20479
20°	20599	20384	20502
25°	20586	20383	20423
30°	20544	20416	20458
35°	20528	20370	20392
40°	20412	20388	20365
45°	20290	20316	20290
50°	20143	20200	20056
55°	19875	19941	19843
60°	19485	19560	19448
65°	19087	18957	18695
70°	18147	17769	17555
75°	16581	16012	16082
80°	14319	13259	13575
85°	10782	10349	9300



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.5	3.2
10°-20°	520.1	9.1
20°-30°	795.8	14.0
30°-40°	973.0	17.1
40°-50°	1029.3	18.1
50°-60°	948.4	16.7
60°-70°	730.8	12.8
70°-80°	409.5	7.2
80°-90°	101.8	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°	1496.4	26.3
0°-40°	2469.4	43.4
0°-60°	4447.0	78.2
0°-90°	5689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5689.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1903	1903	1903	1903	1903	
5°	1910	1903	1884	1903	1894	182
15°	1850	1846	1831	1846	1838	523
25°	1733	1730	1716	1730	1720	799
35°	1562	1559	1550	1555	1552	976
45°	1333	1338	1335	1333	1333	1030
55°	1059	1068	1063	1063	1057	946
65°	749	749	744	726	734	737
75°	399	394	385	371	387	423
85°	87	82	84	84	75	108
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1902.7	1902.7	1902.7	1902.7	1902.7
2.5°	1916.4	1907.8	1887.3	1906.1	1897.5
5°	1909.5	1902.7	1883.9	1902.7	1894.1
7.5°	1899.3	1894.1	1877.0	1894.1	1885.6
10°	1887.3	1882.1	1865.0	1882.1	1873.6
12.5°	1870.2	1866.7	1849.6	1866.7	1858.2
15°	1849.6	1846.2	1830.8	1846.2	1837.7
17.5°	1829.1	1822.3	1806.9	1824.0	1817.1
20°	1798.3	1794.9	1779.5	1794.9	1789.8
22.5°	1767.5	1764.1	1750.4	1764.1	1760.7
25°	1733.3	1729.9	1716.2	1729.9	1719.6
27.5°	1693.9	1695.6	1680.2	1688.8	1683.7
30°	1652.9	1652.9	1642.6	1646.0	1646.0
32.5°	1608.4	1608.4	1593.0	1603.2	1601.5
35°	1562.2	1558.8	1550.2	1555.3	1551.9
37.5°	1507.4	1505.7	1500.6	1504.0	1500.6
40°	1452.7	1454.4	1451.0	1449.3	1449.3
42.5°	1396.2	1399.6	1394.5	1392.8	1391.1
45°	1332.9	1338.0	1334.6	1332.9	1332.9
47.5°	1274.7	1276.4	1271.3	1269.6	1264.5
50°	1202.9	1209.7	1206.3	1202.9	1197.7
52.5°	1131.0	1141.3	1134.4	1131.0	1131.0
55°	1059.1	1067.7	1062.6	1062.6	1057.4
57.5°	983.9	992.4	985.6	985.6	978.7
60°	905.1	913.7	908.6	903.4	903.4
62.5°	826.4	833.3	831.6	823.0	817.9
65°	749.4	749.4	744.3	725.5	734.0
67.5°	662.2	660.5	653.6	634.8	646.8
70°	576.6	576.6	564.6	542.4	557.8
72.5°	484.2	489.4	474.0	458.6	474.0
75°	398.7	393.5	385.0	371.3	386.7
77.5°	316.5	308.0	297.7	290.9	299.4
80°	231.0	225.9	213.9	213.9	219.0
82.5°	157.4	152.3	143.7	145.4	138.6
85°	87.3	82.1	83.8	83.8	75.3
87.5°	35.9	35.9	35.9	32.5	29.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)