

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: P567920

Luminaire Tested: **8SNX-62SL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567920
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: 8SNX-62SL-UNV-L940-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

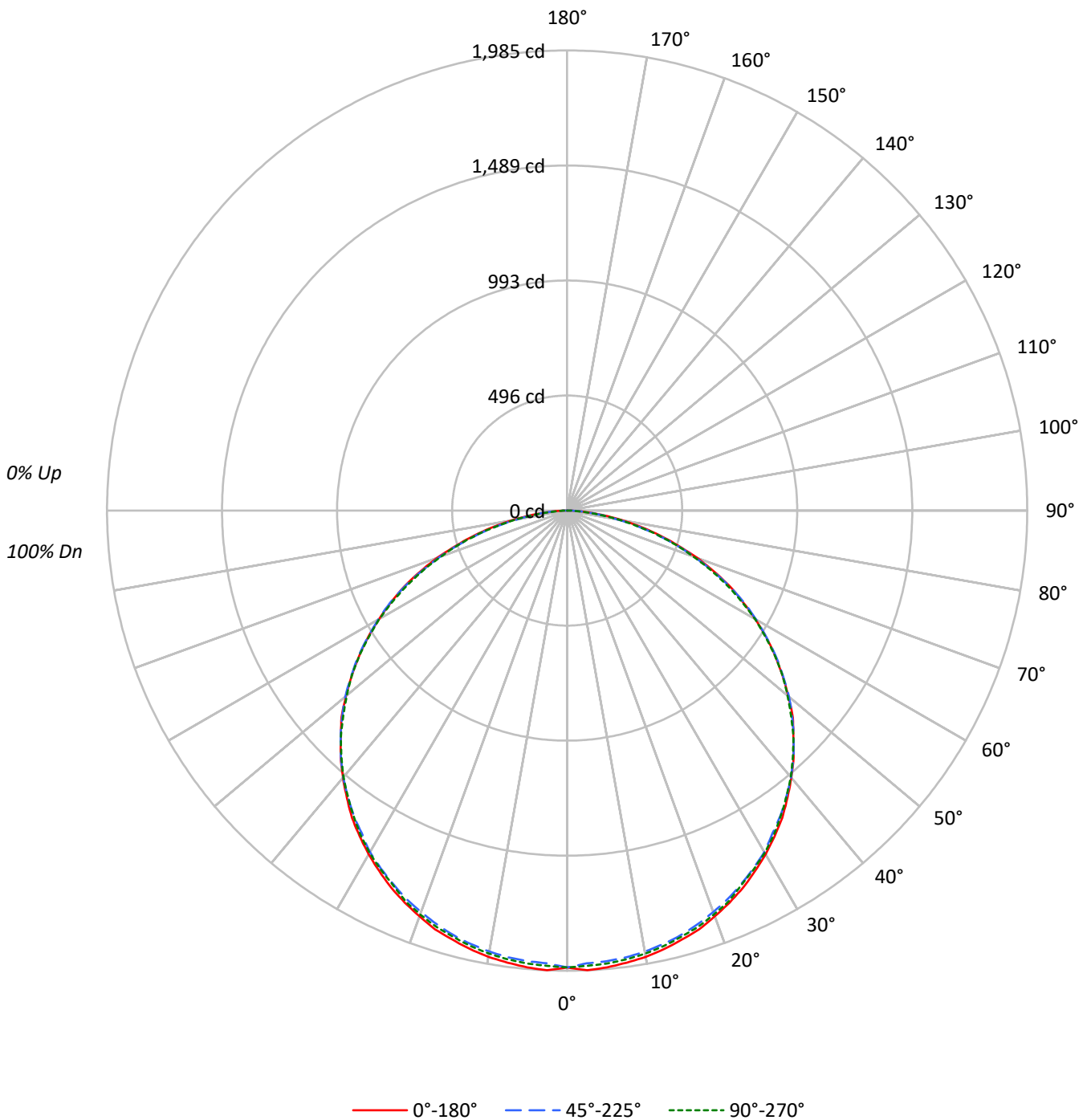
Lumens per Lamp: N/A
Luminaire Lumens: 5892.0 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 39
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°	10606	10606	10606
5°	10685	10541	10598
10°	10682	10556	10604
15°	10673	10565	10604
20°	10667	10556	10616
25°	10660	10555	10576
30°	10638	10572	10595
35°	10630	10548	10560
40°	10570	10557	10545
45°	10507	10520	10507
50°	10431	10460	10387
55°	10292	10326	10276
60°	10090	10129	10072
65°	9885	9817	9681
70°	9397	9202	9091
75°	8586	8291	8328
80°	7414	6865	7029
85°	5582	5360	4817



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.9	3.2
10°-20°	538.7	9.1
20°-30°	824.2	14.0
30°-40°	1007.7	17.1
40°-50°	1066.0	18.1
50°-60°	982.2	16.7
60°-70°	756.8	12.8
70°-80°	424.1	7.2
80°-90°	105.4	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°	1549.8	26.3
0°-40°	2557.5	43.4
0°-60°	4605.7	78.2
0°-90°	5892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5892.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1971	1971	1971	1971	1971	
5°	1978	1971	1951	1971	1962	188
15°	1916	1912	1896	1912	1903	541
25°	1795	1792	1777	1792	1781	827
35°	1618	1614	1606	1611	1607	1011
45°	1380	1386	1382	1380	1380	1066
55°	1097	1106	1100	1100	1095	980
65°	776	776	771	751	760	763
75°	413	408	399	384	400	438
85°	90	85	87	87	78	112
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1970.6	1970.6	1970.6	1970.6	1970.6
2.5°	1984.8	1975.9	1954.6	1974.1	1965.3
5°	1977.7	1970.6	1951.1	1970.6	1961.7
7.5°	1967.0	1961.7	1944.0	1961.7	1952.9
10°	1954.6	1949.3	1931.6	1949.3	1940.4
12.5°	1936.9	1933.4	1915.6	1933.4	1924.5
15°	1915.6	1912.1	1896.1	1912.1	1903.2
17.5°	1894.4	1887.3	1871.3	1889.1	1882.0
20°	1862.5	1858.9	1843.0	1858.9	1853.6
22.5°	1830.6	1827.0	1812.9	1827.0	1823.5
25°	1795.1	1791.6	1777.4	1791.6	1781.0
27.5°	1754.4	1756.2	1740.2	1749.1	1743.7
30°	1711.8	1711.8	1701.2	1704.8	1704.8
32.5°	1665.8	1665.8	1649.8	1660.5	1658.7
35°	1617.9	1614.4	1605.5	1610.8	1607.3
37.5°	1561.2	1559.4	1554.1	1557.7	1554.1
40°	1504.5	1506.3	1502.7	1501.0	1501.0
42.5°	1446.0	1449.6	1444.3	1442.5	1440.7
45°	1380.5	1385.8	1382.2	1380.5	1380.5
47.5°	1320.2	1322.0	1316.7	1314.9	1309.6
50°	1245.8	1252.9	1249.3	1245.8	1240.5
52.5°	1171.4	1182.0	1174.9	1171.4	1171.4
55°	1096.9	1105.8	1100.5	1100.5	1095.2
57.5°	1019.0	1027.8	1020.7	1020.7	1013.6
60°	937.4	946.3	941.0	935.7	935.7
62.5°	855.9	863.0	861.2	852.4	847.1
65°	776.2	776.2	770.9	751.4	760.2
67.5°	685.8	684.0	676.9	657.4	669.9
70°	597.2	597.2	584.8	561.8	577.7
72.5°	501.5	506.8	490.9	474.9	490.9
75°	412.9	407.6	398.7	384.5	400.5
77.5°	327.8	319.0	308.3	301.3	310.1
80°	239.2	233.9	221.5	221.5	226.8
82.5°	163.0	157.7	148.9	150.6	143.5
85°	90.4	85.1	86.8	86.8	78.0
87.5°	37.2	37.2	37.2	33.7	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)