

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: P567914

Luminaire Tested: **8SNX-62SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567914
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-L830-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

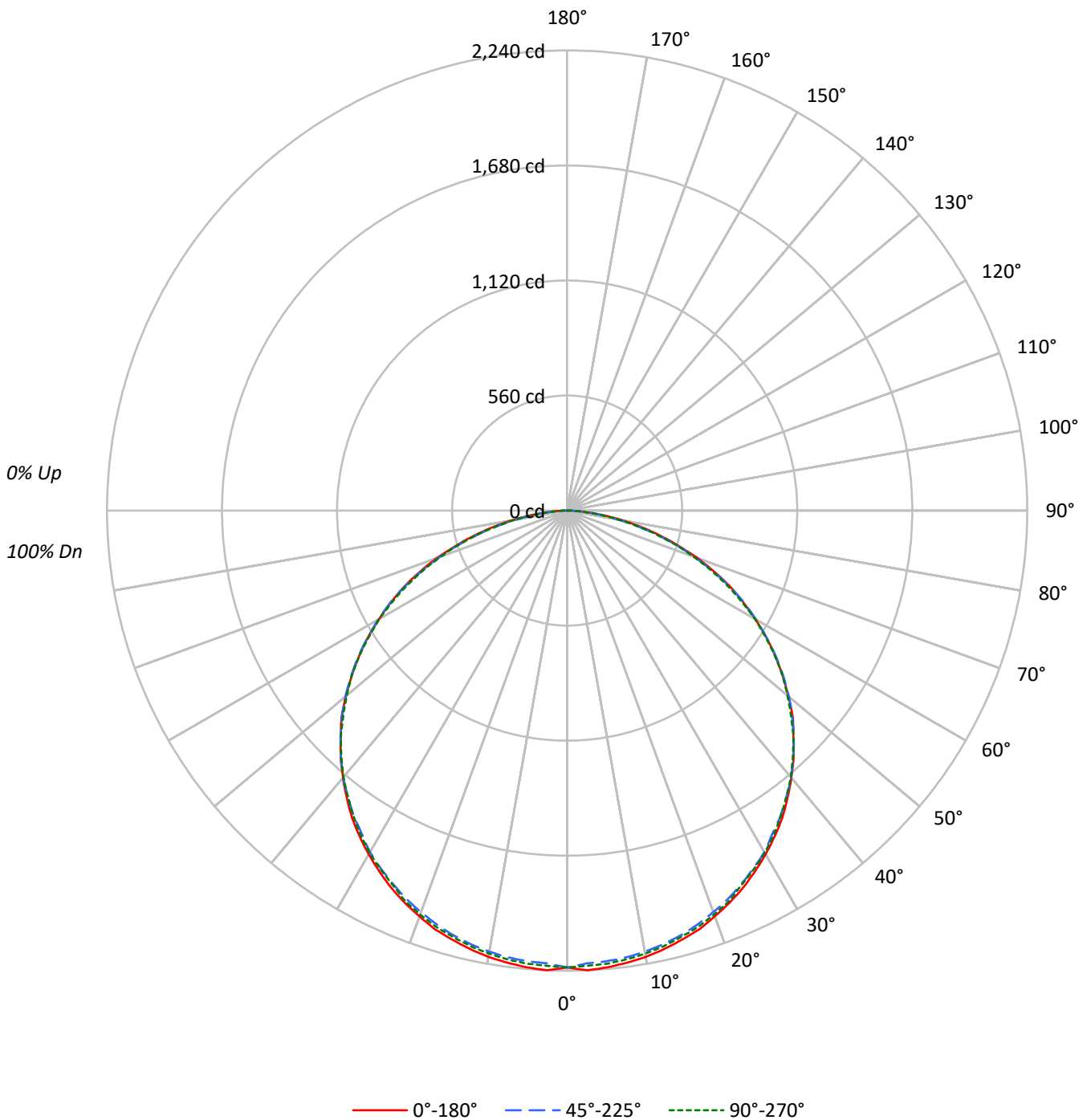
Lumens per Lamp: N/A
Luminaire Lumens: 6650.0 lumens
Efficiency: N/A
Efficacy: 170.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	38	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°	11970	11970	11970
5°	12059	11897	11962
10°	12056	11914	11969
15°	12047	11924	11969
20°	12039	11913	11982
25°	12032	11913	11937
30°	12007	11933	11957
35°	11998	11906	11919
40°	11930	11916	11902
45°	11859	11874	11859
50°	11773	11807	11723
55°	11616	11654	11598
60°	11388	11431	11367
65°	11156	11079	10926
70°	10606	10386	10260
75°	9690	9357	9399
80°	8368	7748	7934
85°	6299	6052	5434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	3.2
10°-20°	608.0	9.1
20°-30°	930.2	14.0
30°-40°	1137.4	17.1
40°-50°	1203.2	18.1
50°-60°	1108.5	16.7
60°-70°	854.2	12.8
70°-80°	478.6	7.2
80°-90°	119.0	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°	1749.2	26.3
0°-40°	2886.6	43.4
0°-60°	5198.3	78.2
0°-90°	6650.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6650.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2224	2224	2224	2224	2224	
5°	2232	2224	2202	2224	2214	212
15°	2162	2158	2140	2158	2148	611
25°	2026	2022	2006	2022	2010	934
35°	1826	1822	1812	1818	1814	1141
45°	1558	1564	1560	1558	1558	1204
55°	1238	1248	1242	1242	1236	1106
65°	876	876	870	848	858	862
75°	466	460	450	434	452	494
85°	102	96	98	98	88	126
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2224.1	2224.1	2224.1	2224.1	2224.1
2.5°	2240.1	2230.1	2206.1	2228.1	2218.1
5°	2232.1	2224.1	2202.1	2224.1	2214.1
7.5°	2220.1	2214.1	2194.1	2214.1	2204.1
10°	2206.1	2200.1	2180.1	2200.1	2190.1
12.5°	2186.1	2182.1	2162.1	2182.1	2172.1
15°	2162.1	2158.1	2140.1	2158.1	2148.1
17.5°	2138.1	2130.1	2112.1	2132.1	2124.1
20°	2102.1	2098.1	2080.1	2098.1	2092.1
22.5°	2066.1	2062.1	2046.1	2062.1	2058.1
25°	2026.1	2022.1	2006.1	2022.1	2010.1
27.5°	1980.1	1982.1	1964.1	1974.1	1968.1
30°	1932.1	1932.1	1920.1	1924.1	1924.1
32.5°	1880.1	1880.1	1862.1	1874.1	1872.1
35°	1826.1	1822.1	1812.1	1818.1	1814.1
37.5°	1762.1	1760.1	1754.1	1758.1	1754.1
40°	1698.1	1700.1	1696.1	1694.1	1694.1
42.5°	1632.1	1636.1	1630.1	1628.1	1626.1
45°	1558.1	1564.1	1560.1	1558.1	1558.1
47.5°	1490.1	1492.1	1486.1	1484.1	1478.1
50°	1406.1	1414.1	1410.1	1406.1	1400.1
52.5°	1322.1	1334.1	1326.1	1322.1	1322.1
55°	1238.0	1248.0	1242.0	1242.0	1236.0
57.5°	1150.0	1160.0	1152.0	1152.0	1144.0
60°	1058.0	1068.0	1062.0	1056.0	1056.0
62.5°	966.0	974.0	972.0	962.0	956.0
65°	876.0	876.0	870.0	848.0	858.0
67.5°	774.0	772.0	764.0	742.0	756.0
70°	674.0	674.0	660.0	634.0	652.0
72.5°	566.0	572.0	554.0	536.0	554.0
75°	466.0	460.0	450.0	434.0	452.0
77.5°	370.0	360.0	348.0	340.0	350.0
80°	270.0	264.0	250.0	250.0	256.0
82.5°	184.0	178.0	168.0	170.0	162.0
85°	102.0	96.0	98.0	98.0	88.0
87.5°	42.0	42.0	42.0	38.0	34.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)