

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: P567968

Luminaire Tested: **8SNX-66SL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567968  
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-66SL-UNV-L940-CD  
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

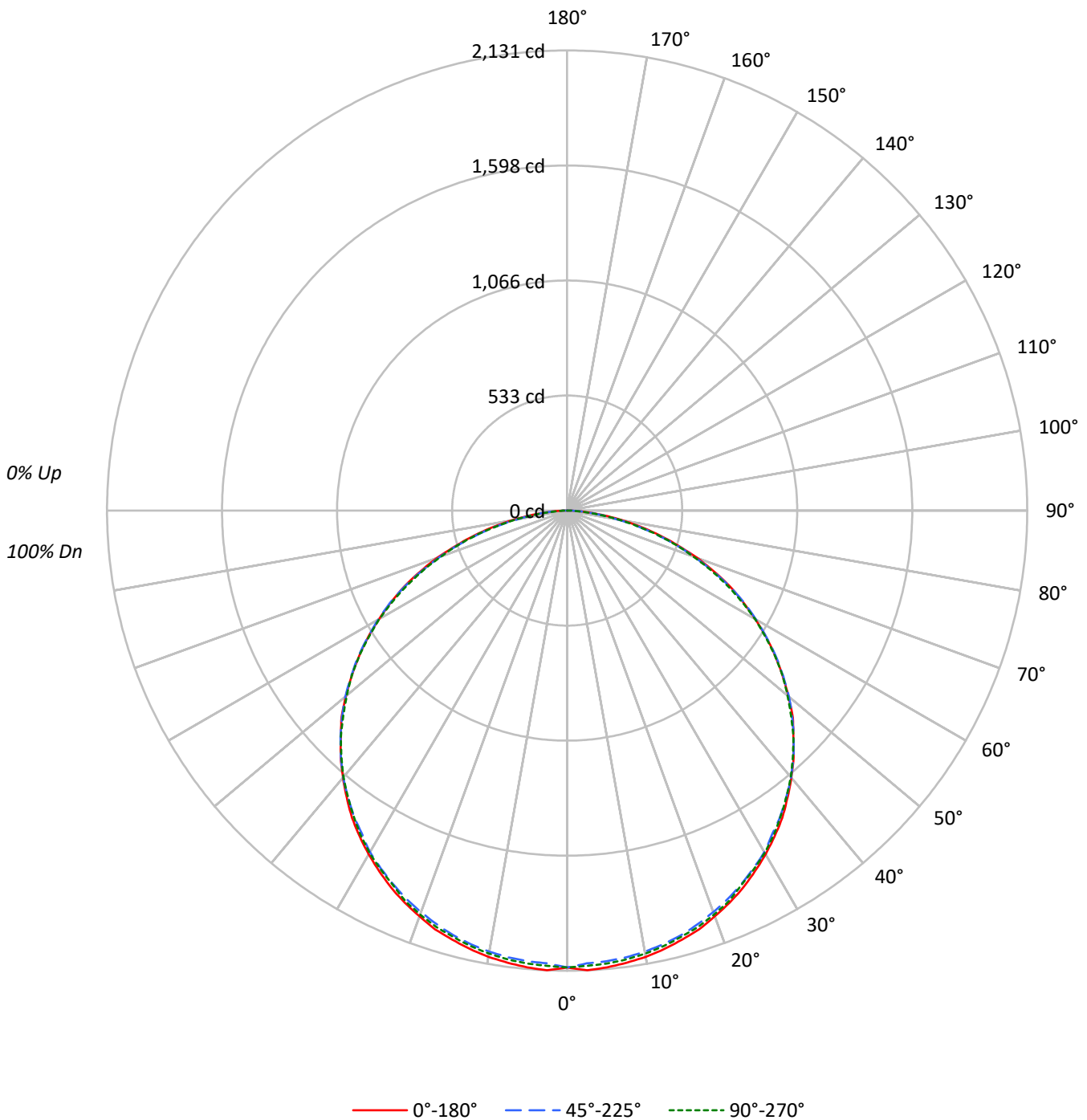
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6326.0 lumens  
Efficiency: N/A  
Efficacy: 149.9 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): 42.2  
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°	11387	11387	11387
5°	11471	11317	11379
10°	11469	11334	11386
15°	11460	11343	11385
20°	11453	11333	11399
25°	11446	11332	11355
30°	11422	11351	11374
35°	11413	11326	11338
40°	11349	11335	11322
45°	11281	11296	11281
50°	11199	11231	11151
55°	11051	11086	11033
60°	10834	10875	10813
65°	10613	10539	10394
70°	10090	9881	9761
75°	9218	8902	8942
80°	7962	7370	7547
85°	5990	5755	5169



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.7	3.2
10°-20°	578.3	9.1
20°-30°	884.9	14.0
30°-40°	1082.0	17.1
40°-50°	1144.5	18.1
50°-60°	1054.5	16.7
60°-70°	812.6	12.8
70°-80°	455.3	7.2
80°-90°	113.1	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°	1663.9	26.3
0°-40°	2745.9	43.4
0°-60°	4944.9	78.2
0°-90°	6326.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6326.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2116	2116	2116	2116	2116	
5°	2123	2116	2095	2116	2106	202
15°	2057	2053	2036	2053	2043	581
25°	1927	1924	1908	1924	1912	888
35°	1737	1733	1724	1730	1726	1085
45°	1482	1488	1484	1482	1482	1145
55°	1178	1187	1182	1182	1176	1052
65°	833	833	828	807	816	820
75°	443	438	428	413	430	470
85°	97	91	93	93	84	120
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2115.7	2115.7	2115.7	2115.7	2115.7
2.5°	2130.9	2121.4	2098.6	2119.5	2110.0
5°	2123.3	2115.7	2094.8	2115.7	2106.2
7.5°	2111.9	2106.2	2087.2	2106.2	2096.7
10°	2098.6	2092.9	2073.9	2092.9	2083.4
12.5°	2079.6	2075.8	2056.7	2075.8	2066.3
15°	2056.7	2052.9	2035.8	2052.9	2043.4
17.5°	2033.9	2026.3	2009.2	2028.2	2020.6
20°	1999.7	1995.9	1978.7	1995.9	1990.2
22.5°	1965.4	1961.6	1946.4	1961.6	1957.8
25°	1927.4	1923.6	1908.3	1923.6	1912.1
27.5°	1883.6	1885.5	1868.4	1877.9	1872.2
30°	1837.9	1837.9	1826.5	1830.3	1830.3
32.5°	1788.5	1788.5	1771.3	1782.8	1780.9
35°	1737.1	1733.3	1723.8	1729.5	1725.7
37.5°	1676.2	1674.3	1668.6	1672.4	1668.6
40°	1615.3	1617.2	1613.4	1611.5	1611.5
42.5°	1552.5	1556.4	1550.6	1548.7	1546.8
45°	1482.1	1487.9	1484.1	1482.1	1482.1
47.5°	1417.5	1419.4	1413.7	1411.8	1406.0
50°	1337.5	1345.2	1341.4	1337.5	1331.8
52.5°	1257.6	1269.1	1261.4	1257.6	1257.6
55°	1177.7	1187.2	1181.5	1181.5	1175.8
57.5°	1094.0	1103.5	1095.9	1095.9	1088.3
60°	1006.5	1016.0	1010.3	1004.6	1004.6
62.5°	919.0	926.6	924.7	915.2	909.5
65°	833.4	833.4	827.6	806.7	816.2
67.5°	736.3	734.4	726.8	705.9	719.2
70°	641.2	641.2	627.9	603.1	620.3
72.5°	538.4	544.2	527.0	509.9	527.0
75°	443.3	437.6	428.1	412.9	430.0
77.5°	352.0	342.5	331.1	323.4	333.0
80°	256.9	251.1	237.8	237.8	243.5
82.5°	175.0	169.3	159.8	161.7	154.1
85°	97.0	91.3	93.2	93.2	83.7
87.5°	40.0	40.0	40.0	36.1	32.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)