

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: P567962

Luminaire Tested: **8SNX-66SL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567962  
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-L830-CD  
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

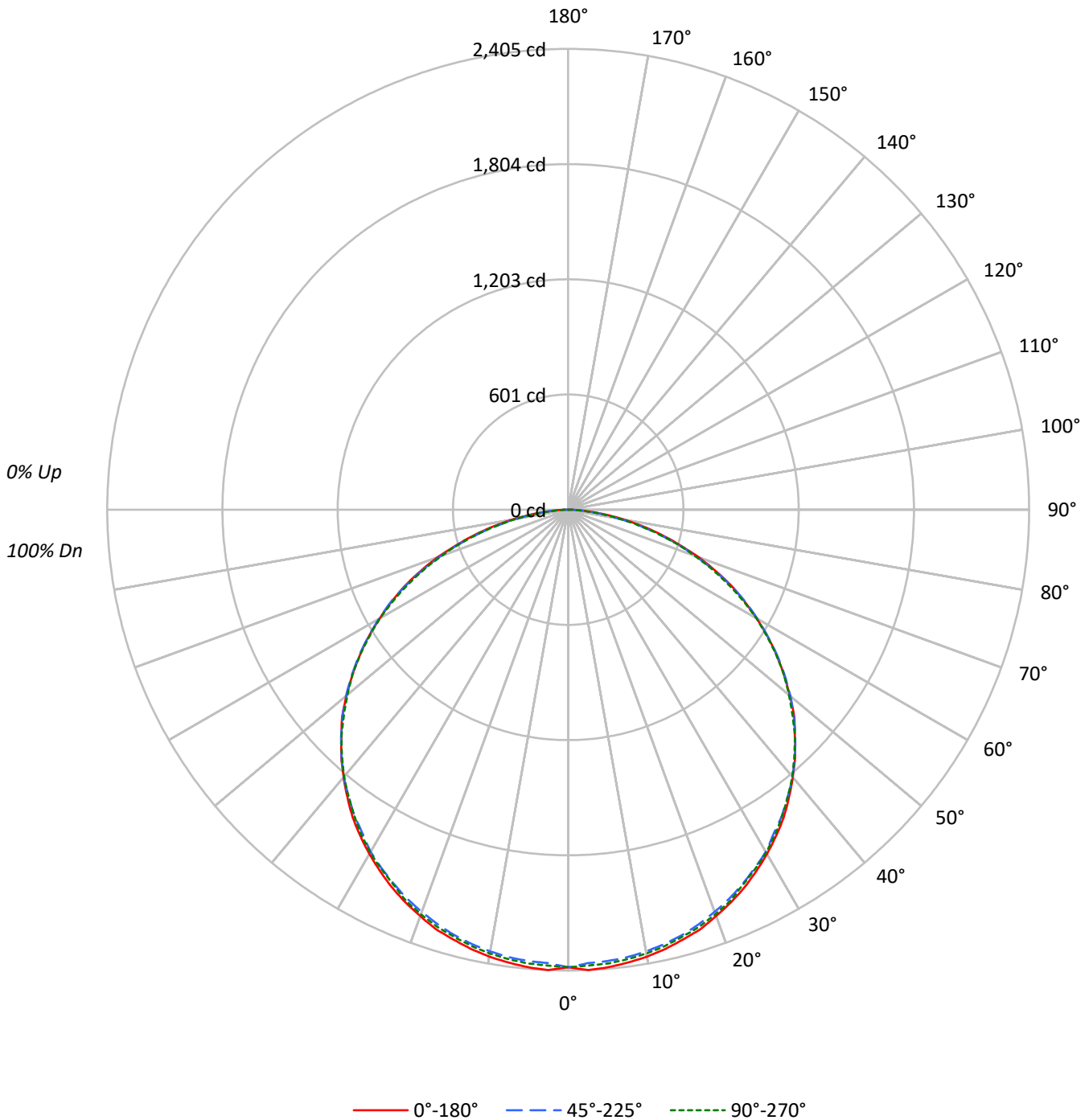
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7140.0 lumens  
Efficiency: N/A  
Efficacy: 169.2 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 (A<sub>in</sub>): 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	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°	12852	12852	12852
5°	12948	12773	12843
10°	12944	12792	12851
15°	12934	12803	12851
20°	12927	12791	12865
25°	12918	12791	12816
30°	12891	12812	12838
35°	12881	12783	12797
40°	12809	12794	12779
45°	12733	12749	12733
50°	12640	12676	12586
55°	12473	12513	12452
60°	12228	12274	12205
65°	11978	11896	11733
70°	11388	11152	11017
75°	10405	10048	10091
80°	8985	8319	8520
85°	6762	6496	5835



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.5	3.2
10°-20°	652.8	9.1
20°-30°	998.8	14.0
30°-40°	1221.2	17.1
40°-50°	1291.8	18.1
50°-60°	1190.2	16.7
60°-70°	917.2	12.8
70°-80°	513.9	7.2
80°-90°	127.7	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°	1878.1	26.3
0°-40°	3099.2	43.4
0°-60°	5581.2	78.2
0°-90°	7140.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7140.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2388	2388	2388	2388	2388	
5°	2397	2388	2364	2388	2377	228
15°	2321	2317	2298	2317	2306	656
25°	2175	2171	2154	2171	2158	1003
35°	1961	1956	1946	1952	1948	1225
45°	1673	1679	1675	1673	1673	1292
55°	1329	1340	1334	1334	1327	1187
65°	941	941	934	910	921	925
75°	500	494	483	466	485	531
85°	110	103	105	105	94	135
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2388.0	2388.0	2388.0	2388.0	2388.0
2.5°	2405.1	2394.4	2368.6	2392.3	2381.5
5°	2396.6	2388.0	2364.3	2388.0	2377.2
7.5°	2383.7	2377.2	2355.8	2377.2	2366.5
10°	2368.6	2362.2	2340.7	2362.2	2351.5
12.5°	2347.2	2342.9	2321.4	2342.9	2332.1
15°	2321.4	2317.1	2297.8	2317.1	2306.4
17.5°	2295.6	2287.0	2267.7	2289.2	2280.6
20°	2257.0	2252.7	2233.4	2252.7	2246.2
22.5°	2218.3	2214.0	2196.8	2214.0	2209.7
25°	2175.4	2171.1	2153.9	2171.1	2158.2
27.5°	2126.0	2128.1	2108.8	2119.5	2113.1
30°	2074.4	2074.4	2061.6	2065.8	2065.8
32.5°	2018.6	2018.6	1999.3	2012.2	2010.0
35°	1960.6	1956.3	1945.6	1952.0	1947.7
37.5°	1891.9	1889.8	1883.3	1887.6	1883.3
40°	1823.2	1825.3	1821.0	1818.9	1818.9
42.5°	1752.3	1756.6	1750.2	1748.0	1745.9
45°	1672.9	1679.3	1675.0	1672.9	1672.9
47.5°	1599.9	1602.0	1595.6	1593.4	1587.0
50°	1509.7	1518.2	1514.0	1509.7	1503.2
52.5°	1419.5	1432.4	1423.8	1419.5	1419.5
55°	1329.3	1340.0	1333.6	1333.6	1327.1
57.5°	1234.8	1245.5	1236.9	1236.9	1228.3
60°	1136.0	1146.7	1140.3	1133.9	1133.9
62.5°	1037.2	1045.8	1043.7	1032.9	1026.5
65°	940.6	940.6	934.1	910.5	921.3
67.5°	831.1	828.9	820.3	796.7	811.7
70°	723.7	723.7	708.7	680.7	700.1
72.5°	607.7	614.2	594.8	575.5	594.8
75°	500.4	493.9	483.2	466.0	485.3
77.5°	397.3	386.5	373.7	365.1	375.8
80°	289.9	283.5	268.4	268.4	274.9
82.5°	197.6	191.1	180.4	182.5	173.9
85°	109.5	103.1	105.2	105.2	94.5
87.5°	45.1	45.1	45.1	40.8	36.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)