

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: P567932

Luminaire Tested: **8SNX-66SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567932  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-66SL-LC-UNV-L840-CD  
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

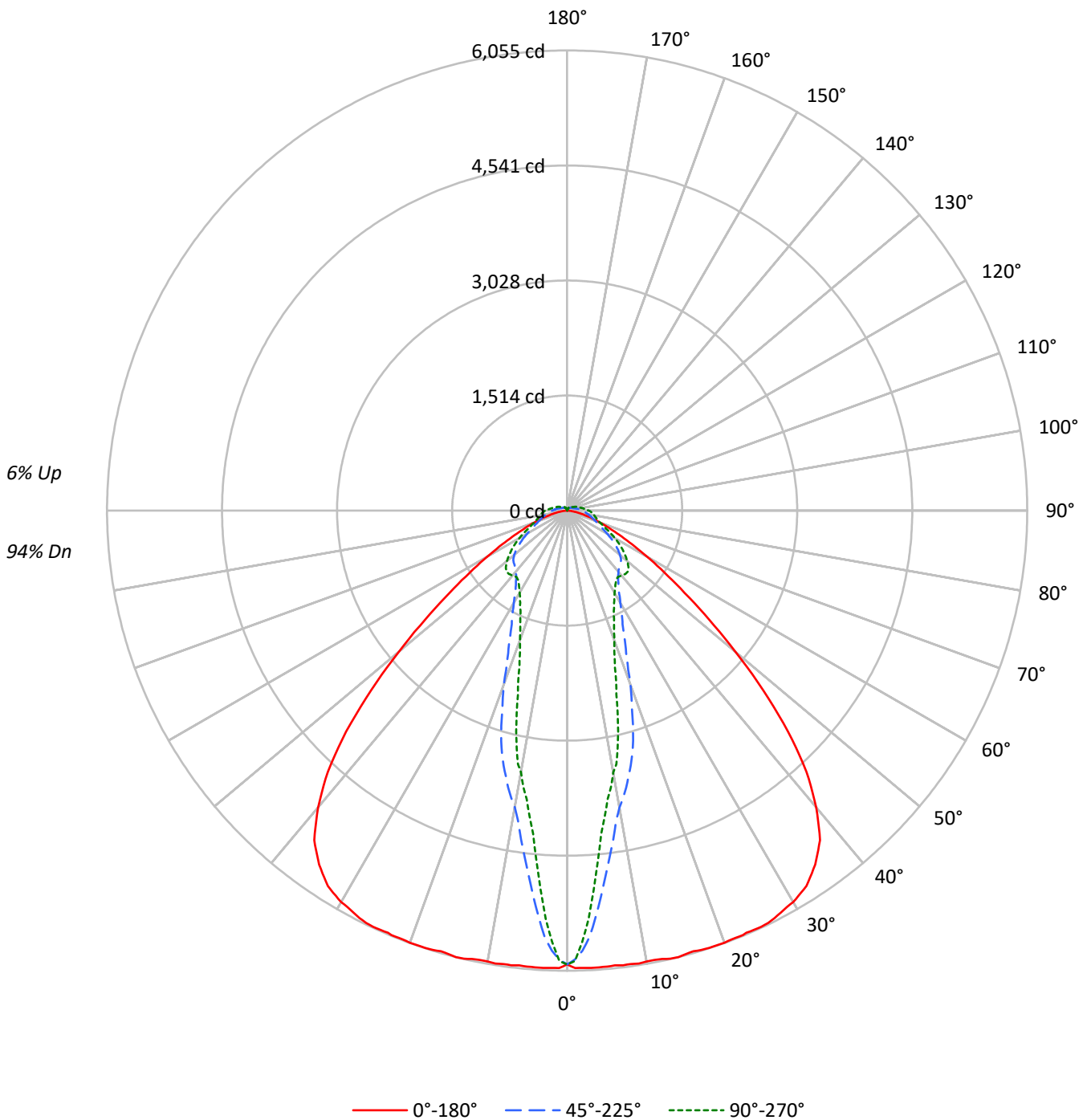
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7361.0 lumens  
Efficiency: N/A  
Efficacy: 174.4 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	32139	32139	32139
5°	32488	26430	23628
10°	32803	19975	17101
15°	33464	16346	11841
20°	34394	11841	8363
25°	35542	8491	6579
30°	36531	6791	5603
35°	36838	5751	5018
40°	35217	5233	5031
45°	30657	5062	5168
50°	23608	4819	4823
55°	17187	4220	4279
60°	12541	3527	3618
65°	9197	2987	2966
70°	6850	2643	2557
75°	4949	2453	2384
80°	3346	2303	2347
85°	1696	2203	2351



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	469.6	6.4
10°-20°	1019.8	13.9
20°-30°	1167.3	15.9
30°-40°	1169.4	15.9
40°-50°	1107.0	15.0
50°-60°	849.0	11.5
60°-70°	547.2	7.4
70°-80°	349.0	4.7
80°-90°	231.7	3.1
90°-100°	155.8	2.1
100°-110°	102.7	1.4
110°-120°	71.4	1.0
120°-130°	49.8	0.7
130°-140°	34.6	0.5
140°-150°	21.2	0.3
150°-160°	10.7	0.1
160°-170°	4.1	0.1
170°-180°	0.8	0.0
0°-30°	2656.7	36.1
0°-40°	3826.1	52.0
0°-60°	5782.1	78.5
0°-90°	6910.0	93.9
90°-120°	329.8	4.5
90°-150°	435.4	5.9
90°-180°	451.0	6.1
0°-180°	7361.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5972	5972	5972	5972	5972	
5°	6024	5692	5100	4757	4629	575
15°	6040	4350	3316	2724	2505	1713
25°	6043	3078	1754	1524	1452	2786
35°	5689	1713	1173	1136	1120	3530
45°	4112	1083	988	1094	1132	3126
55°	1886	773	762	856	890	1734
65°	754	487	479	547	566	776
75°	256	264	332	381	400	282
85°	34	121	234	306	328	47
90°	0	83	196	272	283	2
95°	0	60	162	223	234	0
105°	0	45	106	151	162	3
115°	4	38	79	109	117	4
125°	4	34	68	79	83	3
135°	4	26	53	64	68	3
145°	4	19	38	49	53	2
155°	4	11	23	34	38	2
165°	8	8	15	19	23	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5971.6	5971.6	5971.6	5971.6	5971.6
1°	6020.6	5986.7	5907.5	5930.1	5926.3
2°	6020.6	5949.0	5794.3	5749.0	5681.1
3°	6024.4	5884.8	5620.8	5473.7	5379.3
4°	6024.4	5790.5	5364.3	5119.1	4998.3
5°	6024.4	5692.4	5100.2	4756.9	4628.7
6°	6016.9	5575.5	4832.4	4470.2	4277.8
7°	6028.2	5447.2	4590.9	4202.4	4051.5
8°	6024.4	5296.4	4368.4	3998.7	3832.7
9°	6035.7	5149.2	4126.9	3806.3	3681.8
10°	6024.4	5013.4	3968.5	3625.2	3497.0
11°	6024.4	4881.4	3855.3	3508.3	3398.9
12°	6032.0	4730.5	3730.8	3342.3	3191.4
13°	6050.8	4575.8	3587.5	3161.2	2983.9
14°	6054.6	4458.9	3455.5	2931.1	2746.3
15°	6039.5	4349.5	3315.9	2723.6	2504.8
16°	6032.0	4236.3	3149.9	2527.5	2331.3
17°	6047.0	4104.3	2961.3	2327.5	2146.5
18°	6050.8	3983.6	2761.3	2176.6	2018.2
19°	6050.8	3889.3	2599.1	2037.1	1901.3
20°	6050.8	3798.7	2433.2	1931.4	1814.5
21°	6043.3	3685.6	2244.5	1822.0	1724.0
22.5°	6047.0	3474.3	2029.5	1693.8	1614.6
23°	6035.7	3421.5	1976.7	1659.8	1576.8
24°	6039.5	3270.6	1863.5	1591.9	1512.7
25°	6043.3	3078.2	1754.1	1524.0	1452.3
26°	6035.7	2923.6	1663.6	1459.9	1410.9
27°	6016.9	2799.1	1599.5	1407.1	1361.8
28°	5990.5	2633.1	1531.6	1361.8	1320.3
29°	5964.1	2444.5	1463.7	1312.8	1282.6
30°	5949.0	2293.6	1399.5	1275.0	1248.6
32.5°	5858.4	1995.6	1267.5	1199.6	1177.0
35°	5688.7	1712.6	1173.2	1135.5	1120.4
37.5°	5466.1	1493.8	1101.5	1094.0	1097.7
40°	5100.2	1320.3	1048.7	1082.7	1116.6
42.5°	4662.6	1184.5	1011.0	1094.0	1131.7
45°	4111.8	1082.7	988.4	1094.0	1131.7
47.5°	3500.7	999.7	961.9	1056.3	1094.0
50°	2889.6	924.2	909.1	999.7	1033.6
52.5°	2350.2	852.5	841.2	928.0	961.9
55°	1886.2	773.3	762.0	856.3	890.3
57.5°	1512.7	697.9	686.6	773.3	807.3
60°	1207.1	622.4	603.6	690.3	724.3
62.5°	961.9	550.8	539.4	614.9	645.1
65°	754.5	486.6	479.1	547.0	565.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	596.0	426.3	430.0	486.6	509.3
70°	460.2	369.7	392.3	445.1	460.2
72.5°	347.1	313.1	362.1	407.4	426.3
75°	256.5	264.1	332.0	381.0	399.9
77.5°	177.3	218.8	305.6	358.4	377.2
80°	120.7	177.3	279.2	339.5	362.1
82.5°	71.7	147.1	256.5	320.6	347.1
85°	34.0	120.7	233.9	305.6	328.2
87.5°	11.3	98.1	211.3	290.5	309.3
90°	0.0	83.0	196.2	271.6	282.9
92.5°	0.0	71.7	177.3	249.0	256.5
95°	0.0	60.4	162.2	222.6	233.9
97.5°	0.0	56.6	150.9	199.9	215.0
100°	0.0	52.8	135.8	181.1	196.2
102.5°	0.0	45.3	120.7	162.2	177.3
105°	0.0	45.3	105.6	150.9	162.2
107.5°	3.8	41.5	98.1	135.8	150.9
110°	3.8	41.5	86.8	128.3	139.6
112.5°	3.8	41.5	83.0	116.9	132.0
115°	3.8	37.7	79.2	109.4	116.9
117.5°	3.8	37.7	75.4	98.1	105.6
120°	3.8	34.0	71.7	90.5	94.3
122.5°	3.8	34.0	67.9	83.0	86.8
125°	3.8	34.0	67.9	79.2	83.0
127.5°	3.8	30.2	64.1	75.4	75.4
130°	3.8	30.2	60.4	71.7	71.7
132.5°	3.8	26.4	56.6	67.9	71.7
135°	3.8	26.4	52.8	64.1	67.9
137.5°	3.8	22.6	49.0	60.4	64.1
140°	3.8	22.6	45.3	56.6	60.4
142.5°	3.8	18.9	41.5	52.8	56.6
145°	3.8	18.9	37.7	49.0	52.8
147.5°	3.8	18.9	34.0	45.3	49.0
150°	3.8	15.1	30.2	41.5	45.3
152.5°	3.8	15.1	26.4	37.7	41.5
155°	3.8	11.3	22.6	34.0	37.7
157.5°	3.8	11.3	22.6	30.2	34.0
160°	7.5	11.3	18.9	26.4	30.2
162.5°	3.8	7.5	18.9	22.6	26.4
165°	7.5	7.5	15.1	18.9	22.6
167.5°	7.5	7.5	11.3	15.1	18.9
170°	7.5	7.5	11.3	11.3	15.1
172.5°	7.5	7.5	7.5	11.3	7.5
175°	7.5	7.5	7.5	7.5	3.8
177.5°	7.5	7.5	7.5	7.5	3.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	7.5	7.5	7.5	7.5	7.5

(END OF REPORT)