

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: P567752

Luminaire Tested: **8SNX-40SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-40SL-LN-UNV-L940-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

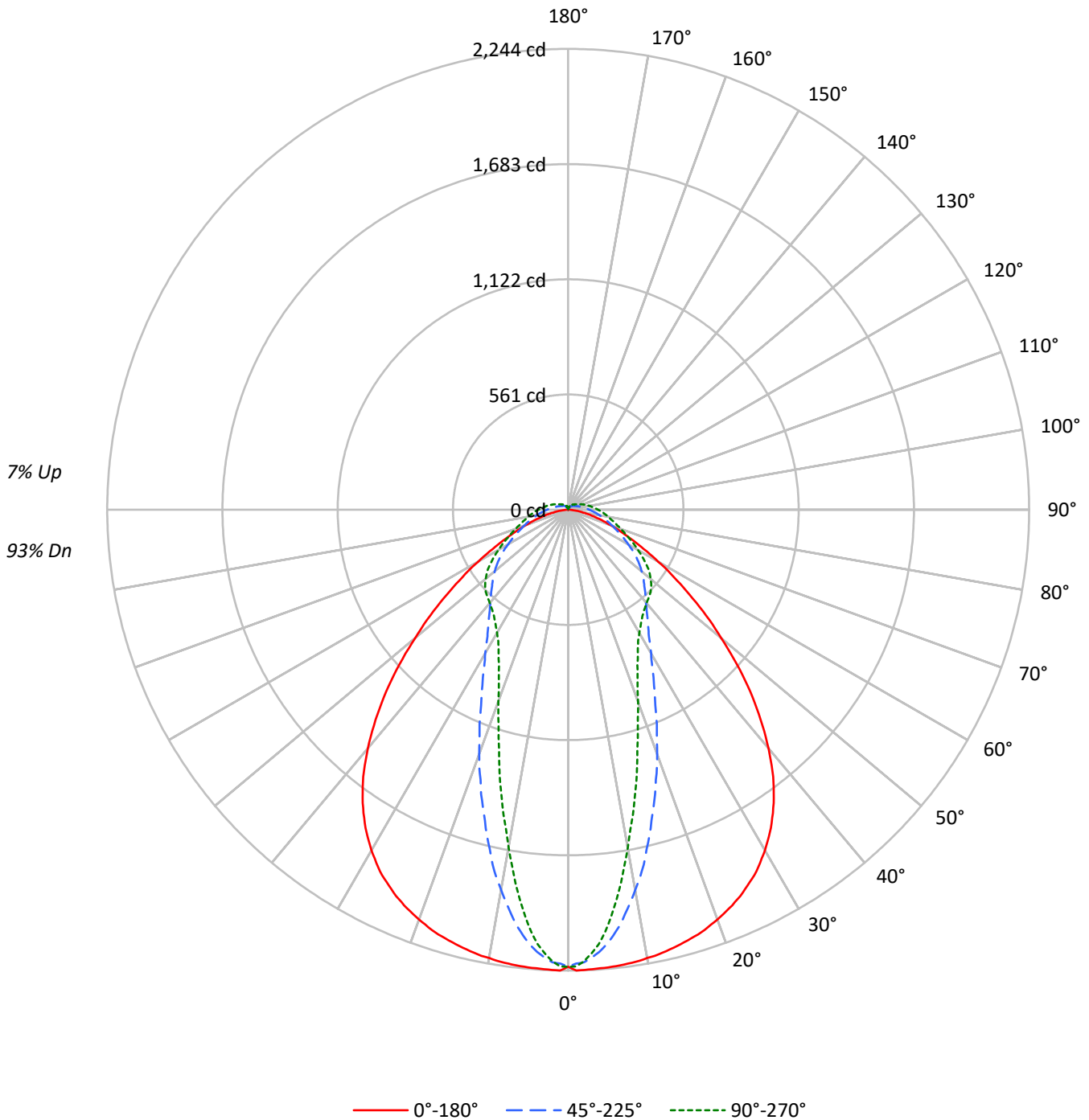
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3548.0 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 24.2
Input Voltage (V): NR
Input Current (A_{in}): 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11979	11979	11979
5°	12063	11023	10536
10°	12069	9462	8174
15°	12085	7727	6127
20°	12071	6162	4585
25°	11986	4834	3639
30°	11761	3916	3104
35°	11295	3317	2824
40°	10477	2932	2673
45°	9344	2686	2590
50°	7945	2474	2447
55°	6557	2245	2235
60°	5273	1977	1960
65°	4125	1739	1706
70°	3239	1541	1509
75°	2547	1388	1375
80°	1854	1273	1278
85°	1112	1190	1226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.1	5.6
10°-20°	462.0	13.0
20°-30°	548.4	15.5
30°-40°	551.8	15.6
40°-50°	512.9	14.5
50°-60°	422.3	11.9
60°-70°	297.6	8.4
70°-80°	194.4	5.5
80°-90°	124.1	3.5
90°-100°	81.4	2.3
100°-110°	55.3	1.6
110°-120°	37.9	1.1
120°-130°	26.2	0.7
130°-140°	17.6	0.5
140°-150°	10.9	0.3
150°-160°	5.6	0.2
160°-170°	2.0	0.1
170°-180°	0.4	0.0
0°-30°	1207.6	34.0
0°-40°	1759.3	49.6
0°-60°	2694.6	75.9
0°-90°	3310.7	93.3
90°-120°	174.5	4.9
90°-150°	229.3	6.5
90°-180°	237.0	6.7
0°-180°	3548.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2226	2226	2226	2226	2226	
5°	2237	2207	2127	2086	2064	213
15°	2181	1949	1568	1370	1296	616
25°	2038	1506	998	839	803	938
35°	1744	1019	677	634	630	1085
45°	1253	671	524	552	567	962
55°	720	441	405	450	465	650
65°	338	266	279	314	325	343
75°	132	138	188	221	231	143
85°	22	63	126	164	171	28
90°	0	43	102	140	145	1
95°	0	32	86	117	123	0
105°	0	22	58	82	89	0
115°	2	19	41	60	63	2
125°	2	15	34	43	46	2
135°	2	13	26	34	35	1
145°	2	9	19	26	28	1
155°	2	7	13	19	20	1
165°	2	4	7	9	11	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2225.8	2225.8	2225.8	2225.8	2225.8
1°	2244.4	2235.1	2210.9	2227.6	2223.9
2°	2242.5	2233.2	2205.3	2212.8	2199.7
3°	2240.6	2227.6	2184.9	2183.0	2164.4
4°	2238.8	2218.3	2158.8	2136.5	2121.6
5°	2236.9	2207.2	2127.2	2086.3	2064.0
6°	2235.1	2194.2	2086.3	2024.9	1993.3
7°	2231.3	2173.7	2043.5	1959.9	1919.0
8°	2227.6	2155.1	1989.6	1889.2	1839.0
9°	2223.9	2130.9	1935.7	1813.0	1753.5
10°	2216.5	2106.8	1879.9	1734.9	1671.6
11°	2212.8	2078.9	1826.0	1660.5	1586.1
12°	2205.3	2049.1	1768.3	1582.4	1517.3
13°	2197.9	2017.5	1697.7	1515.5	1437.4
14°	2190.4	1984.0	1636.3	1441.1	1368.6
15°	2181.1	1948.7	1567.5	1370.4	1296.0
16°	2171.8	1907.8	1506.2	1297.9	1219.8
17°	2162.5	1868.8	1448.5	1231.0	1160.3
18°	2151.4	1829.7	1381.6	1165.9	1097.1
19°	2136.5	1785.1	1327.7	1106.4	1043.2
20°	2123.5	1744.2	1266.3	1050.6	994.8
21°	2108.6	1694.0	1204.9	998.5	942.7
22.5°	2086.3	1623.3	1126.8	933.4	881.4
23°	2075.2	1602.8	1095.2	909.3	864.6
24°	2060.3	1548.9	1043.2	872.1	827.5
25°	2038.0	1506.2	998.5	838.6	803.3
26°	2017.5	1454.1	953.9	808.9	773.5
27°	1997.1	1403.9	914.9	777.3	747.5
28°	1971.0	1351.8	872.1	751.2	725.2
29°	1943.1	1303.5	836.8	728.9	708.5
30°	1915.2	1249.6	807.0	708.5	691.7
32.5°	1837.1	1130.5	730.8	669.4	658.2
35°	1744.2	1019.0	676.8	634.1	630.4
37.5°	1640.0	916.7	628.5	606.2	609.9
40°	1517.3	823.7	587.6	585.7	593.2
42.5°	1387.2	743.8	556.0	569.0	580.1
45°	1253.3	671.3	524.4	552.3	567.1
47.5°	1113.8	608.0	496.5	531.8	548.5
50°	972.5	546.7	466.7	507.6	524.4
52.5°	846.1	492.8	437.0	479.7	498.3
55°	719.6	440.7	405.4	450.0	464.9
57.5°	609.9	392.3	371.9	416.5	427.7
60°	507.6	345.9	338.4	379.3	392.3
62.5°	414.7	305.0	306.8	345.9	358.9
65°	338.4	265.9	278.9	314.2	325.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	275.2	228.7	251.0	288.2	297.5
70°	217.6	195.2	228.7	262.2	271.5
72.5°	172.9	165.5	206.4	241.7	249.2
75°	132.0	137.6	187.8	221.3	230.6
77.5°	94.8	115.3	169.2	204.5	212.0
80°	66.9	94.8	154.3	189.7	197.1
82.5°	42.8	78.1	139.5	176.6	184.1
85°	22.3	63.2	126.4	163.6	171.1
87.5°	9.3	52.1	113.4	150.6	158.1
90°	0.0	42.8	102.3	139.5	145.0
92.5°	0.0	37.2	93.0	128.3	133.9
95°	0.0	31.6	85.5	117.1	122.7
97.5°	0.0	29.8	76.2	107.8	113.4
100°	0.0	26.0	68.8	98.6	106.0
102.5°	0.0	24.2	63.2	89.3	96.7
105°	0.0	22.3	57.6	81.8	89.3
107.5°	0.0	20.5	53.9	76.2	81.8
110°	0.0	20.5	48.3	70.7	76.2
112.5°	1.9	18.6	44.6	63.2	68.8
115°	1.9	18.6	40.9	59.5	63.2
117.5°	1.9	18.6	39.0	53.9	57.6
120°	1.9	16.7	37.2	50.2	53.9
122.5°	1.9	16.7	35.3	46.5	48.3
125°	1.9	14.9	33.5	42.8	46.5
127.5°	1.9	14.9	31.6	40.9	42.8
130°	1.9	14.9	29.8	37.2	40.9
132.5°	1.9	13.0	27.9	35.3	37.2
135°	1.9	13.0	26.0	33.5	35.3
137.5°	1.9	11.2	24.2	31.6	33.5
140°	1.9	11.2	22.3	29.8	31.6
142.5°	1.9	9.3	20.5	27.9	29.8
145°	1.9	9.3	18.6	26.0	27.9
147.5°	1.9	9.3	16.7	24.2	26.0
150°	1.9	7.4	14.9	22.3	24.2
152.5°	1.9	7.4	13.0	20.5	22.3
155°	1.9	7.4	13.0	18.6	20.5
157.5°	1.9	5.6	11.2	14.9	18.6
160°	1.9	5.6	9.3	13.0	16.7
162.5°	1.9	5.6	9.3	11.2	13.0
165°	1.9	3.7	7.4	9.3	11.2
167.5°	1.9	3.7	5.6	7.4	9.3
170°	1.9	3.7	5.6	5.6	7.4
172.5°	1.9	3.7	3.7	3.7	3.7
175°	3.7	3.7	3.7	3.7	1.9
177.5°	3.7	3.7	3.7	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)