

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: P567742

Luminaire Tested: **8SNX-40SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567742
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-40SL-LC-UNV-L930-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

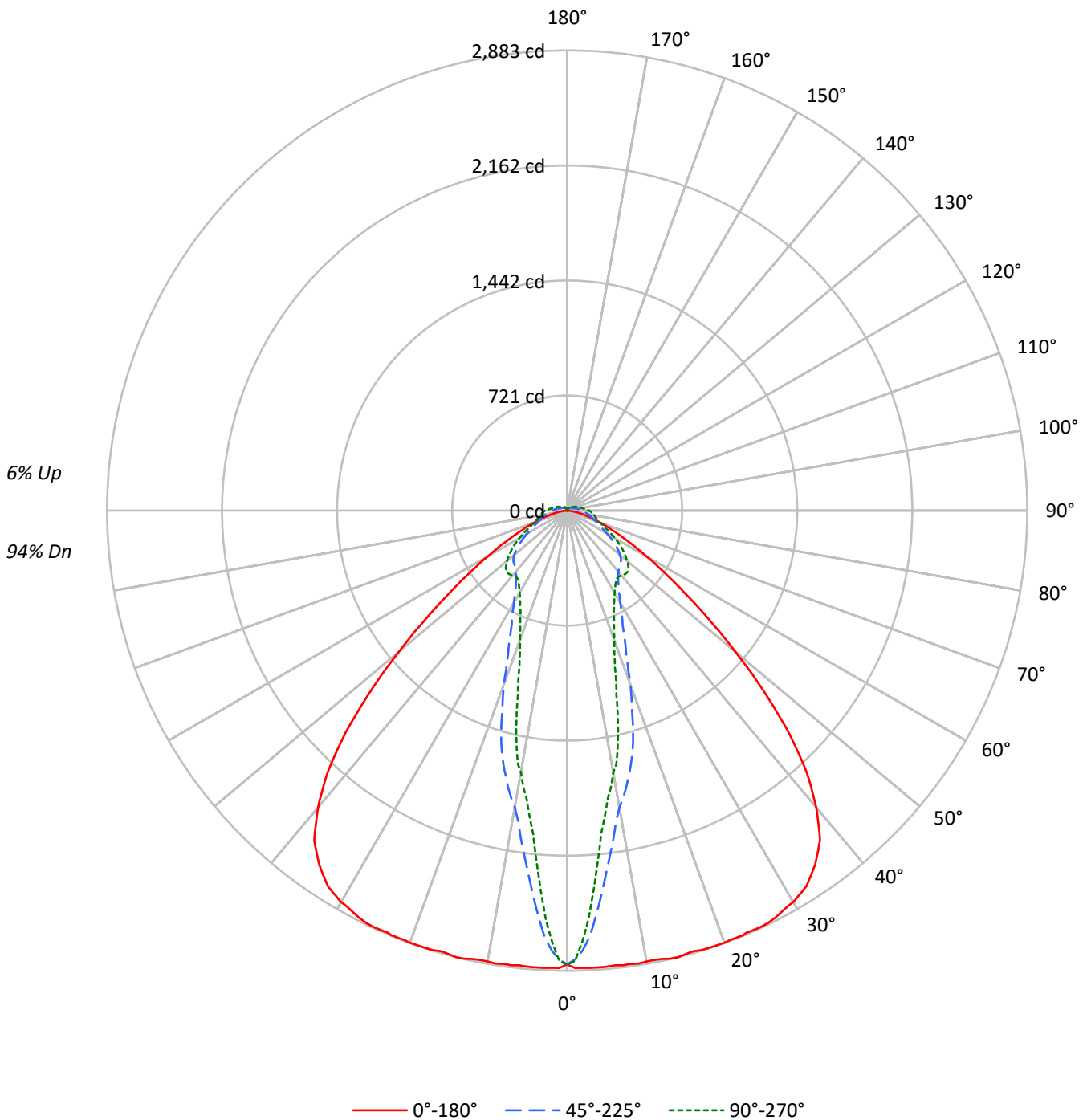
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3505.0 lumens
Efficiency: N/A
Efficacy: 144.8 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): 24.2
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°	15303	15303	15303
5°	15469	12585	11251
10°	15619	9511	8143
15°	15934	7783	5638
20°	16377	5638	3982
25°	16924	4043	3133
30°	17394	3234	2668
35°	17541	2738	2390
40°	16769	2492	2395
45°	14598	2410	2461
50°	11241	2295	2297
55°	8184	2009	2038
60°	5972	1679	1723
65°	4379	1422	1412
70°	3261	1258	1218
75°	2356	1168	1135
80°	1594	1096	1118
85°	808	1049	1120



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.6	6.4
10°-20°	485.6	13.9
20°-30°	555.8	15.9
30°-40°	556.8	15.9
40°-50°	527.1	15.0
50°-60°	404.2	11.5
60°-70°	260.6	7.4
70°-80°	166.2	4.7
80°-90°	110.3	3.1
90°-100°	74.2	2.1
100°-110°	48.9	1.4
110°-120°	34.0	1.0
120°-130°	23.7	0.7
130°-140°	16.5	0.5
140°-150°	10.1	0.3
150°-160°	5.1	0.1
160°-170°	2.0	0.1
170°-180°	0.4	0.0
0°-30°	1265.0	36.1
0°-40°	1821.8	52.0
0°-60°	2753.2	78.5
0°-90°	3290.2	93.9
90°-120°	157.0	4.5
90°-150°	207.3	5.9
90°-180°	215.0	6.1
0°-180°	3505.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2843	2843	2843	2843	2843	
5°	2869	2710	2428	2265	2204	274
15°	2876	2071	1579	1297	1193	816
25°	2878	1466	835	726	692	1327
35°	2709	816	559	541	534	1681
45°	1958	516	471	521	539	1489
55°	898	368	363	408	424	826
65°	359	232	228	260	269	369
75°	122	126	158	181	190	134
85°	16	58	111	146	156	22
90°	0	40	93	129	135	1
95°	0	29	77	106	111	0
105°	0	22	50	72	77	1
115°	2	18	38	52	56	2
125°	2	16	32	38	40	2
135°	2	13	25	30	32	1
145°	2	9	18	23	25	1
155°	2	5	11	16	18	1
165°	4	4	7	9	11	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 8SNX-40SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2843.4	2843.4	2843.4	2843.4	2843.4
1°	2866.8	2850.6	2812.9	2823.7	2821.9
2°	2866.8	2832.6	2759.0	2737.4	2705.1
3°	2868.6	2802.1	2676.4	2606.3	2561.4
4°	2868.6	2757.2	2554.2	2437.5	2380.0
5°	2868.6	2710.5	2428.5	2265.0	2204.0
6°	2865.0	2654.8	2301.0	2128.5	2036.9
7°	2870.4	2593.8	2186.0	2001.0	1929.1
8°	2868.6	2521.9	2080.0	1904.0	1825.0
9°	2874.0	2451.8	1965.1	1812.4	1753.1
10°	2868.6	2387.2	1889.6	1726.2	1665.1
11°	2868.6	2324.3	1835.7	1670.5	1618.4
12°	2872.2	2252.5	1776.5	1591.5	1519.6
13°	2881.1	2178.8	1708.2	1505.2	1420.8
14°	2882.9	2123.1	1645.3	1395.7	1307.7
15°	2875.8	2071.0	1578.9	1296.9	1192.7
16°	2872.2	2017.2	1499.8	1203.5	1110.1
17°	2879.4	1954.3	1410.0	1108.3	1022.1
18°	2881.1	1896.8	1314.8	1036.4	961.0
19°	2881.1	1851.9	1237.6	970.0	905.3
20°	2881.1	1808.8	1158.6	919.7	864.0
21°	2877.6	1754.9	1068.8	867.6	820.9
22.5°	2879.4	1654.3	966.4	806.5	768.8
23°	2874.0	1629.2	941.2	790.3	750.8
24°	2875.8	1557.3	887.3	758.0	720.3
25°	2877.6	1465.7	835.2	725.7	691.5
26°	2874.0	1392.1	792.1	695.1	671.8
27°	2865.0	1332.8	761.6	670.0	648.4
28°	2852.4	1253.8	729.3	648.4	628.7
29°	2839.8	1164.0	696.9	625.1	610.7
30°	2832.6	1092.1	666.4	607.1	594.6
32.5°	2789.5	950.2	603.5	571.2	560.4
35°	2708.7	815.5	558.6	540.7	533.5
37.5°	2602.7	711.3	524.5	520.9	522.7
40°	2428.5	628.7	499.4	515.5	531.7
42.5°	2220.1	564.0	481.4	520.9	538.9
45°	1957.9	515.5	470.6	520.9	538.9
47.5°	1666.9	476.0	458.0	502.9	520.9
50°	1375.9	440.1	432.9	476.0	492.2
52.5°	1119.0	405.9	400.6	441.9	458.0
55°	898.1	368.2	362.8	407.7	423.9
57.5°	720.3	332.3	326.9	368.2	384.4
60°	574.8	296.4	287.4	328.7	344.9
62.5°	458.0	262.2	256.9	292.8	307.2
65°	359.2	231.7	228.1	260.5	269.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	283.8	203.0	204.8	231.7	242.5
70°	219.1	176.0	186.8	212.0	219.1
72.5°	165.3	149.1	172.4	194.0	203.0
75°	122.1	125.7	158.1	181.4	190.4
77.5°	84.4	104.2	145.5	170.6	179.6
80°	57.5	84.4	132.9	161.7	172.4
82.5°	34.1	70.1	122.1	152.7	165.3
85°	16.2	57.5	111.4	145.5	156.3
87.5°	5.4	46.7	100.6	138.3	147.3
90°	0.0	39.5	93.4	129.3	134.7
92.5°	0.0	34.1	84.4	118.6	122.1
95°	0.0	28.7	77.2	106.0	111.4
97.5°	0.0	26.9	71.8	95.2	102.4
100°	0.0	25.1	64.7	86.2	93.4
102.5°	0.0	21.6	57.5	77.2	84.4
105°	0.0	21.6	50.3	71.8	77.2
107.5°	1.8	19.8	46.7	64.7	71.8
110°	1.8	19.8	41.3	61.1	66.5
112.5°	1.8	19.8	39.5	55.7	62.9
115°	1.8	18.0	37.7	52.1	55.7
117.5°	1.8	18.0	35.9	46.7	50.3
120°	1.8	16.2	34.1	43.1	44.9
122.5°	1.8	16.2	32.3	39.5	41.3
125°	1.8	16.2	32.3	37.7	39.5
127.5°	1.8	14.4	30.5	35.9	35.9
130°	1.8	14.4	28.7	34.1	34.1
132.5°	1.8	12.6	26.9	32.3	34.1
135°	1.8	12.6	25.1	30.5	32.3
137.5°	1.8	10.8	23.4	28.7	30.5
140°	1.8	10.8	21.6	26.9	28.7
142.5°	1.8	9.0	19.8	25.1	26.9
145°	1.8	9.0	18.0	23.4	25.1
147.5°	1.8	9.0	16.2	21.6	23.4
150°	1.8	7.2	14.4	19.8	21.6
152.5°	1.8	7.2	12.6	18.0	19.8
155°	1.8	5.4	10.8	16.2	18.0
157.5°	1.8	5.4	10.8	14.4	16.2
160°	3.6	5.4	9.0	12.6	14.4
162.5°	1.8	3.6	9.0	10.8	12.6
165°	3.6	3.6	7.2	9.0	10.8
167.5°	3.6	3.6	5.4	7.2	9.0
170°	3.6	3.6	5.4	5.4	7.2
172.5°	3.6	3.6	3.6	5.4	3.6
175°	3.6	3.6	3.6	3.6	1.8
177.5°	3.6	3.6	3.6	3.6	1.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)