

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: P567776

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567776
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-40SL-UNV-L940-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

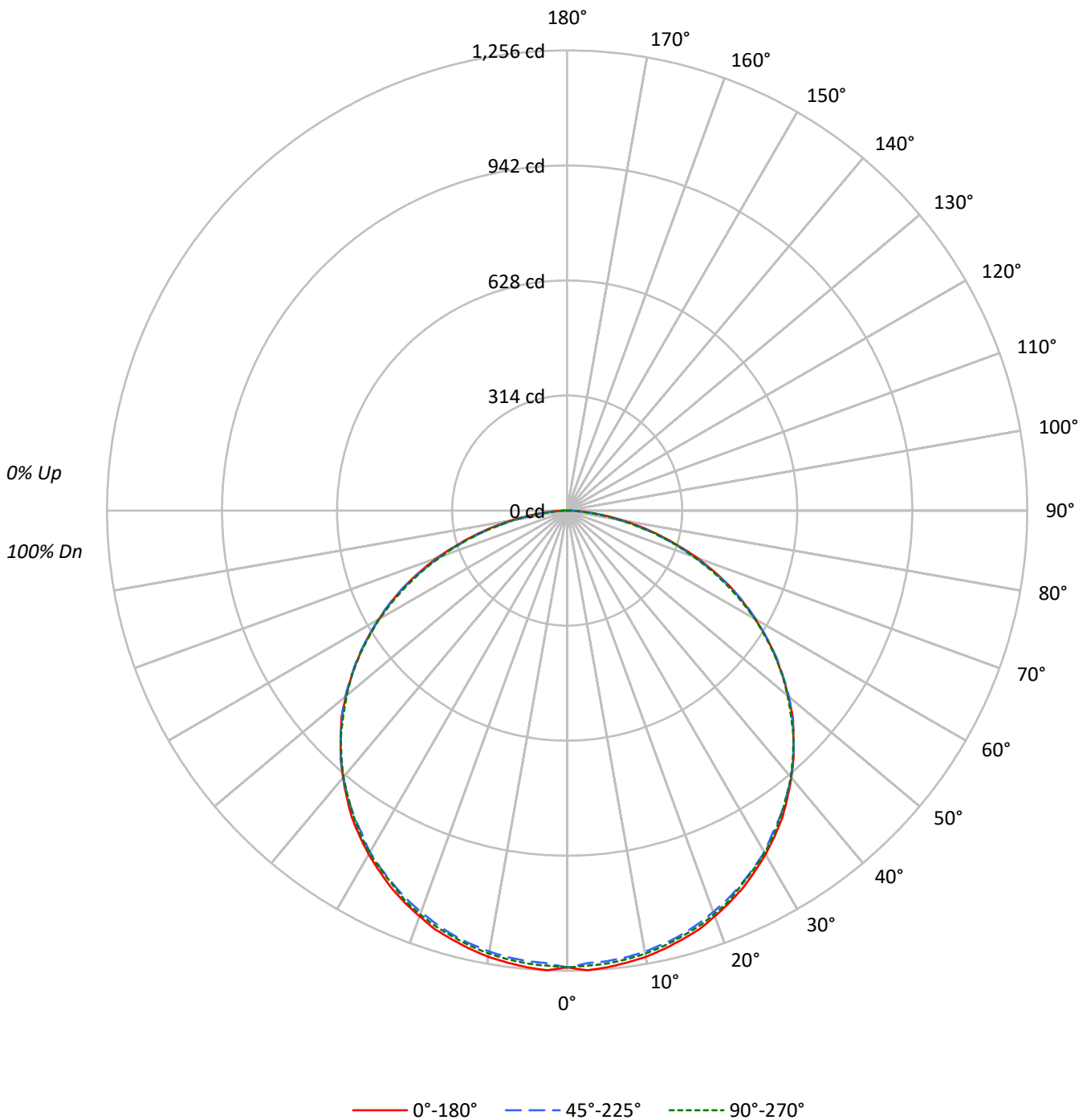
Lumens per Lamp: N/A
Luminaire Lumens: 3728.0 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6710	6710	6710
5°	6760	6669	6706
10°	6759	6679	6710
15°	6754	6685	6710
20°	6749	6679	6717
25°	6745	6678	6692
30°	6731	6689	6703
35°	6726	6674	6682
40°	6688	6680	6672
45°	6648	6657	6648
50°	6599	6619	6572
55°	6513	6533	6502
60°	6384	6409	6372
65°	6254	6211	6125
70°	5947	5822	5751
75°	5434	5246	5269
80°	4692	4345	4448
85°	3532	3390	3044



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	3.2
10°-20°	340.8	9.1
20°-30°	521.5	14.0
30°-40°	637.6	17.1
40°-50°	674.5	18.1
50°-60°	621.4	16.7
60°-70°	478.9	12.8
70°-80°	268.3	7.2
80°-90°	66.7	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°	980.6	26.3
0°-40°	1618.2	43.4
0°-60°	2914.1	78.2
0°-90°	3728.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3728.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1251	1247	1234	1247	1241	119
15°	1212	1210	1200	1210	1204	342
25°	1136	1134	1125	1134	1127	523
35°	1024	1022	1016	1019	1017	640
45°	874	877	875	874	874	675
55°	694	700	696	696	693	620
65°	491	491	488	475	481	483
75°	261	258	252	243	253	277
85°	57	54	55	55	49	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1246.8	1246.8	1246.8	1246.8	1246.8
2.5°	1255.8	1250.2	1236.7	1249.1	1243.5
5°	1251.3	1246.8	1234.5	1246.8	1241.2
7.5°	1244.6	1241.2	1230.0	1241.2	1235.6
10°	1236.7	1233.4	1222.2	1233.4	1227.8
12.5°	1225.5	1223.3	1212.1	1223.3	1217.7
15°	1212.1	1209.8	1199.7	1209.8	1204.2
17.5°	1198.6	1194.1	1184.0	1195.2	1190.8
20°	1178.4	1176.2	1166.1	1176.2	1172.8
22.5°	1158.2	1156.0	1147.0	1156.0	1153.8
25°	1135.8	1133.6	1124.6	1133.6	1126.9
27.5°	1110.0	1111.2	1101.1	1106.7	1103.3
30°	1083.1	1083.1	1076.4	1078.6	1078.6
32.5°	1054.0	1054.0	1043.9	1050.6	1049.5
35°	1023.7	1021.5	1015.8	1019.2	1017.0
37.5°	987.8	986.7	983.3	985.6	983.3
40°	951.9	953.1	950.8	949.7	949.7
42.5°	914.9	917.2	913.8	912.7	911.6
45°	873.5	876.8	874.6	873.5	873.5
47.5°	835.3	836.5	833.1	832.0	828.6
50°	788.2	792.7	790.5	788.2	784.9
52.5°	741.1	747.9	743.4	741.1	741.1
55°	694.1	699.7	696.3	696.3	692.9
57.5°	644.7	650.3	645.8	645.8	641.4
60°	593.1	598.7	595.4	592.0	592.0
62.5°	541.6	546.0	544.9	539.3	536.0
65°	491.1	491.1	487.7	475.4	481.0
67.5°	433.9	432.8	428.3	416.0	423.8
70°	377.9	377.9	370.0	355.4	365.5
72.5°	317.3	320.7	310.6	300.5	310.6
75°	261.3	257.9	252.3	243.3	253.4
77.5°	207.4	201.8	195.1	190.6	196.2
80°	151.4	148.0	140.2	140.2	143.5
82.5°	103.2	99.8	94.2	95.3	90.8
85°	57.2	53.8	54.9	54.9	49.3
87.5°	23.5	23.5	23.5	21.3	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)