

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: P567775

Luminaire Tested: **8SNX-40SL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567775
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-L935-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

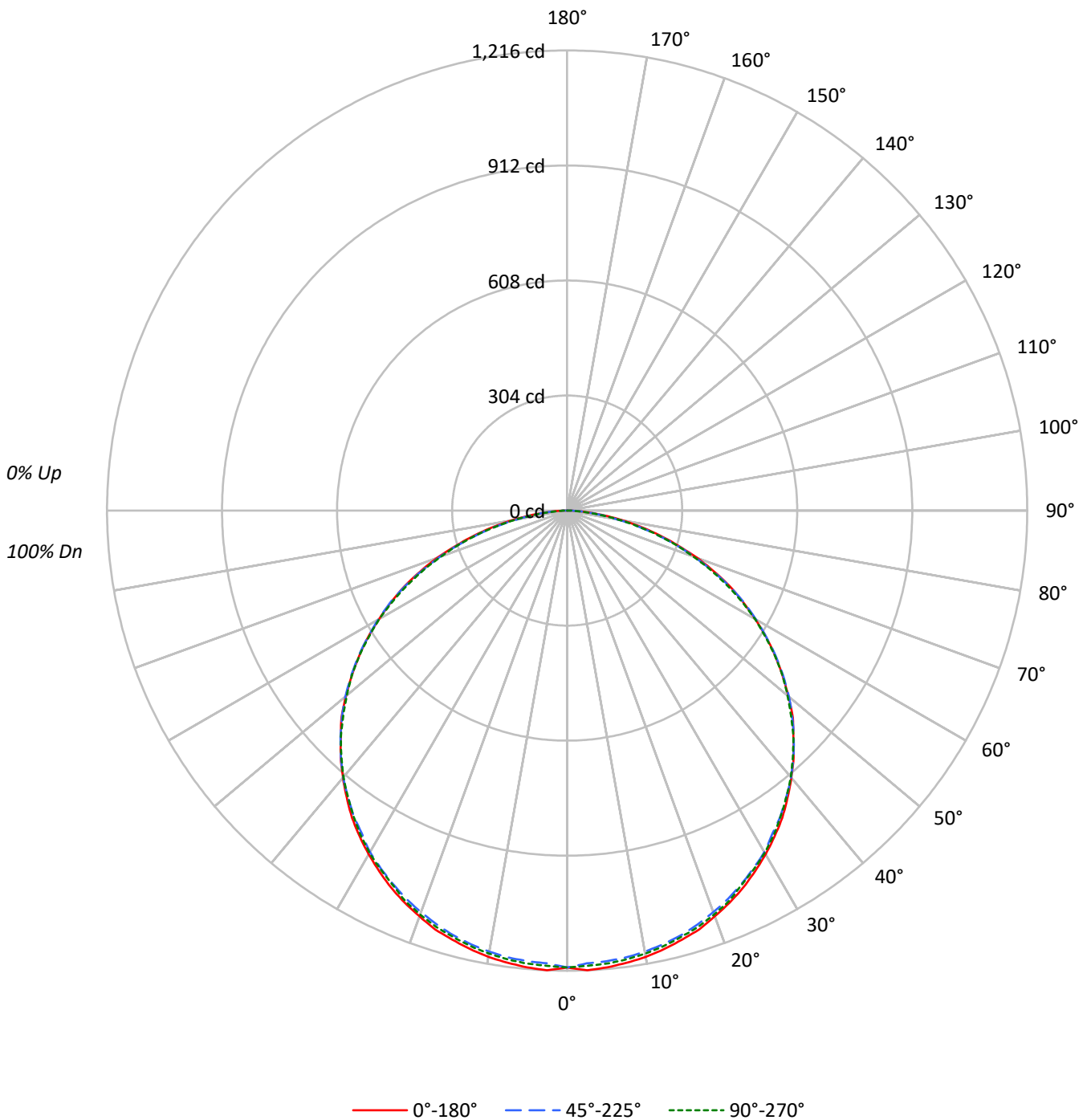
Lumens per Lamp: N/A
Luminaire Lumens: 3610.0 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	6498	6498	6498
5°	6546	6458	6493
10°	6545	6468	6497
15°	6540	6473	6497
20°	6535	6467	6505
25°	6532	6467	6480
30°	6518	6477	6491
35°	6513	6463	6470
40°	6476	6469	6461
45°	6438	6446	6438
50°	6391	6409	6363
55°	6306	6327	6296
60°	6183	6205	6171
65°	6057	6015	5932
70°	5758	5638	5570
75°	5261	5080	5103
80°	4544	4206	4308
85°	3421	3285	2952



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	3.2
10°-20°	330.0	9.1
20°-30°	505.0	14.0
30°-40°	617.4	17.1
40°-50°	653.1	18.1
50°-60°	601.8	16.7
60°-70°	463.7	12.8
70°-80°	259.8	7.2
80°-90°	64.6	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°	949.5	26.3
0°-40°	1567.0	43.4
0°-60°	2821.9	78.2
0°-90°	3610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3610.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1207	1207	1207	1207	1207	
5°	1212	1207	1195	1207	1202	115
15°	1174	1172	1162	1172	1166	332
25°	1100	1098	1089	1098	1091	507
35°	991	989	984	987	985	619
45°	846	849	847	846	846	653
55°	672	678	674	674	671	600
65°	476	476	472	460	466	468
75°	253	250	244	236	245	268
85°	55	52	53	53	48	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1207.4	1207.4	1207.4	1207.4	1207.4
2.5°	1216.0	1210.6	1197.6	1209.5	1204.1
5°	1211.7	1207.4	1195.4	1207.4	1201.9
7.5°	1205.2	1201.9	1191.1	1201.9	1196.5
10°	1197.6	1194.3	1183.5	1194.3	1188.9
12.5°	1186.7	1184.6	1173.7	1184.6	1179.1
15°	1173.7	1171.5	1161.8	1171.5	1166.1
17.5°	1160.7	1156.3	1146.6	1157.4	1153.1
20°	1141.1	1139.0	1129.2	1139.0	1135.7
22.5°	1121.6	1119.4	1110.7	1119.4	1117.2
25°	1099.9	1097.7	1089.0	1097.7	1091.2
27.5°	1074.9	1076.0	1066.2	1071.6	1068.4
30°	1048.8	1048.8	1042.3	1044.5	1044.5
32.5°	1020.6	1020.6	1010.8	1017.4	1016.3
35°	991.3	989.1	983.7	987.0	984.8
37.5°	956.6	955.5	952.2	954.4	952.2
40°	921.8	922.9	920.7	919.6	919.6
42.5°	886.0	888.1	884.9	883.8	882.7
45°	845.8	849.1	846.9	845.8	845.8
47.5°	808.9	810.0	806.7	805.6	802.4
50°	763.3	767.6	765.5	763.3	760.0
52.5°	717.7	724.2	719.9	717.7	717.7
55°	672.1	677.5	674.3	674.3	671.0
57.5°	624.3	629.7	625.4	625.4	621.1
60°	574.4	579.8	576.5	573.3	573.3
62.5°	524.4	528.8	527.7	522.2	519.0
65°	475.6	475.6	472.3	460.4	465.8
67.5°	420.2	419.1	414.8	402.8	410.4
70°	365.9	365.9	358.3	344.2	354.0
72.5°	307.3	310.5	300.8	291.0	300.8
75°	253.0	249.7	244.3	235.6	245.4
77.5°	200.9	195.4	188.9	184.6	190.0
80°	146.6	143.3	135.7	135.7	139.0
82.5°	99.9	96.6	91.2	92.3	87.9
85°	55.4	52.1	53.2	53.2	47.8
87.5°	22.8	22.8	22.8	20.6	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)