

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: P566419

Luminaire Tested: **4SNX-41SL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566419
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: 4SNX-41SL-UNV-L935-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

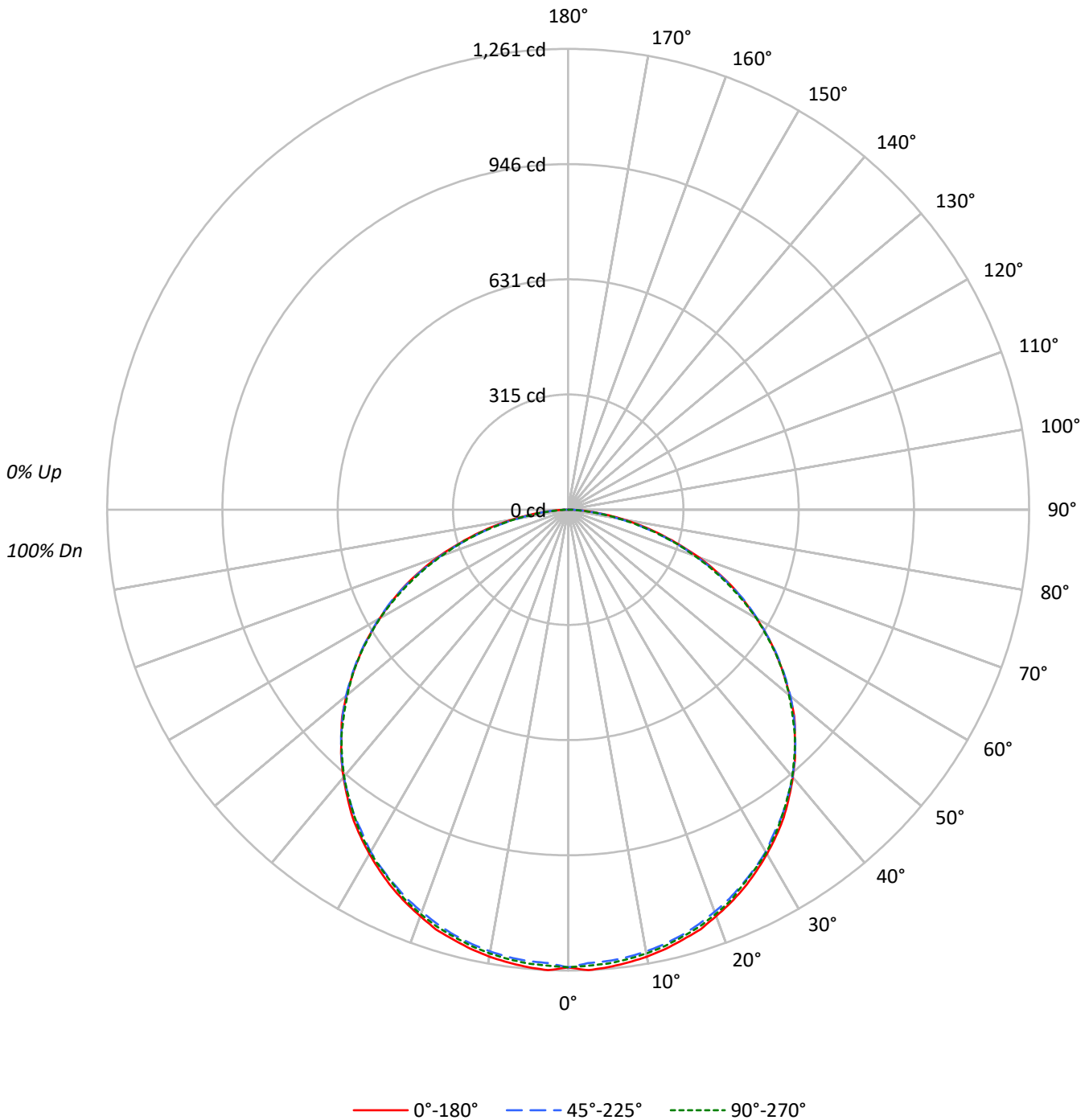
Lumens per Lamp: N/A
Luminaire Lumens: 3744.0 lumens
Efficiency: N/A
Efficacy: 142.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
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°	13479	13479	13479
5°	13579	13396	13468
10°	13575	13415	13477
15°	13565	13427	13477
20°	13557	13415	13493
25°	13548	13414	13441
30°	13520	13436	13464
35°	13510	13406	13420
40°	13433	13418	13402
45°	13353	13370	13353
50°	13256	13294	13199
55°	13080	13123	13059
60°	12824	12871	12800
65°	12562	12475	12304
70°	11943	11695	11553
75°	10913	10539	10584
80°	9422	8728	8932
85°	7089	6817	6113



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	3.2
10°-20°	342.3	9.1
20°-30°	523.7	14.0
30°-40°	640.4	17.1
40°-50°	677.4	18.1
50°-60°	624.1	16.7
60°-70°	480.9	12.8
70°-80°	269.5	7.2
80°-90°	67.0	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°	984.8	26.3
0°-40°	1625.1	43.4
0°-60°	2926.6	78.2
0°-90°	3744.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3744.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1252	1252	1252	1252	1252	
5°	1257	1252	1240	1252	1246	119
15°	1217	1215	1205	1215	1209	344
25°	1141	1138	1129	1138	1132	526
35°	1028	1026	1020	1024	1021	642
45°	877	881	878	877	877	678
55°	697	703	699	699	696	622
65°	493	493	490	477	483	485
75°	262	259	253	244	254	278
85°	57	54	55	55	50	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1252.2	1252.2	1252.2	1252.2	1252.2
2.5°	1261.2	1255.6	1242.0	1254.4	1248.8
5°	1256.7	1252.2	1239.8	1252.2	1246.5
7.5°	1249.9	1246.5	1235.3	1246.5	1240.9
10°	1242.0	1238.7	1227.4	1238.7	1233.0
12.5°	1230.8	1228.5	1217.3	1228.5	1222.9
15°	1217.3	1215.0	1204.9	1215.0	1209.4
17.5°	1203.8	1199.3	1189.1	1200.4	1195.9
20°	1183.5	1181.2	1171.1	1181.2	1177.9
22.5°	1163.2	1161.0	1152.0	1161.0	1158.7
25°	1140.7	1138.4	1129.4	1138.4	1131.7
27.5°	1114.8	1115.9	1105.8	1111.4	1108.0
30°	1087.8	1087.8	1081.0	1083.3	1083.3
32.5°	1058.5	1058.5	1048.4	1055.1	1054.0
35°	1028.1	1025.8	1020.2	1023.6	1021.3
37.5°	992.1	990.9	987.6	989.8	987.6
40°	956.0	957.2	954.9	953.8	953.8
42.5°	918.9	921.1	917.7	916.6	915.5
45°	877.2	880.6	878.3	877.2	877.2
47.5°	838.9	840.0	836.7	835.5	832.2
50°	791.6	796.1	793.9	791.6	788.2
52.5°	744.3	751.1	746.6	744.3	744.3
55°	697.0	702.7	699.3	699.3	695.9
57.5°	647.5	653.1	648.6	648.6	644.1
60°	595.7	601.3	597.9	594.6	594.6
62.5°	543.9	548.4	547.3	541.6	538.3
65°	493.2	493.2	489.8	477.4	483.1
67.5°	435.8	434.7	430.2	417.8	425.7
70°	379.5	379.5	371.6	357.0	367.1
72.5°	318.7	322.1	311.9	301.8	311.9
75°	262.4	259.0	253.4	244.4	254.5
77.5°	208.3	202.7	195.9	191.4	197.1
80°	152.0	148.6	140.8	140.8	144.1
82.5°	103.6	100.2	94.6	95.7	91.2
85°	57.4	54.1	55.2	55.2	49.5
87.5°	23.6	23.6	23.6	21.4	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)