

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: P#

Luminaire Tested: **4SNLED-LD5-41SL-SLN-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-41SL-SLN-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

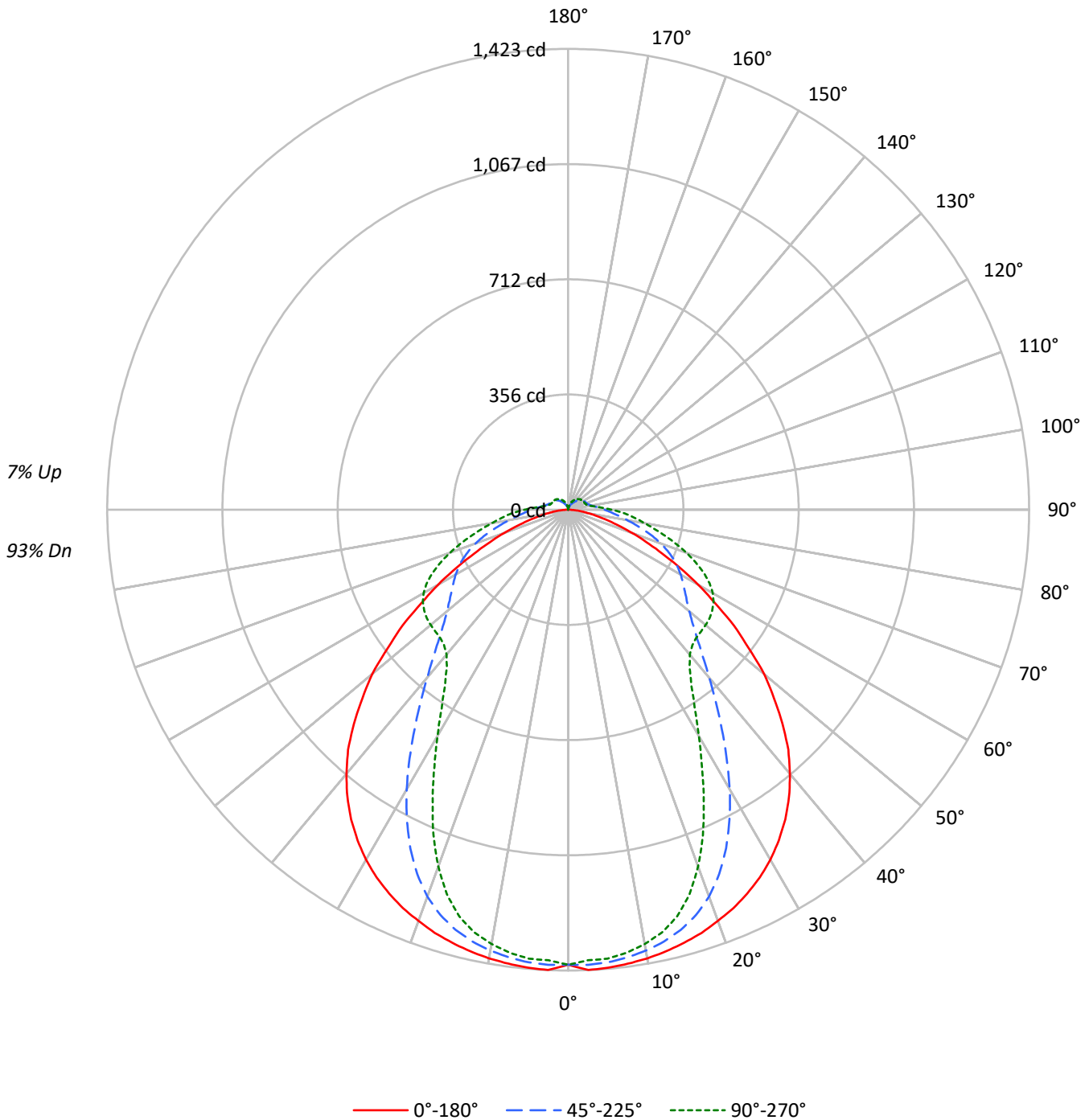
Lumens per Lamp: N/A
Luminaire Lumens: 3533.0 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 31
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11353	11353	11353
5°	11483	11102	10928
10°	11480	10795	10478
15°	11483	10433	9880
20°	11488	9896	8874
25°	11493	9068	7515
30°	11439	7979	6181
35°	11276	6789	5180
40°	10946	5749	4683
45°	10366	4996	4647
50°	9575	4567	4810
55°	8432	4391	4978
60°	7114	4327	5047
65°	5722	4232	4890
70°	4596	4014	4510
75°	3464	3633	4001
80°	2558	3262	3559
85°	1708	3078	3274



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.9	3.8
10°-20°	375.7	10.6
20°-30°	525.2	14.9
30°-40°	544.7	15.4
40°-50°	503.2	14.2
50°-60°	449.3	12.7
60°-70°	364.1	10.3
70°-80°	242.2	6.9
80°-90°	138.7	3.9
90°-100°	76.7	2.2
100°-110°	52.0	1.5
110°-120°	43.3	1.2
120°-130°	35.2	1.0
130°-140°	25.4	0.7
140°-150°	15.3	0.4
150°-160°	7.4	0.2
160°-170°	1.9	0.1
170°-180°	0.0	0.0
0°-30°	1033.7	29.3
0°-40°	1578.5	44.7
0°-60°	2531.0	71.6
0°-90°	3276.0	92.7
90°-120°	171.9	4.9
90°-150°	247.8	7.0
90°-180°	257.0	7.3
0°-180°	3533.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1405	1405	1405	1405	1405	
5°	1420	1396	1403	1393	1391	135
15°	1384	1355	1343	1313	1300	391
25°	1308	1250	1153	1032	990	603
35°	1168	1040	827	694	663	729
45°	935	741	563	543	559	719
55°	625	473	440	511	543	556
65°	319	286	358	438	462	323
75°	124	155	241	296	308	136
85°	25	72	142	182	187	29
90°	1	51	112	136	134	2
95°	1	43	89	95	92	1
105°	1	37	64	62	59	1
115°	1	34	57	56	54	1
125°	1	29	50	52	51	1
135°	1	21	40	46	46	1
145°	1	13	28	36	38	1
155°	1	8	17	23	28	1
165°	1	5	8	11	15	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1404.9	1404.9	1404.9	1404.9	1404.9
2.5°	1422.6	1399.4	1406.7	1400.6	1392.7
5°	1419.5	1395.7	1403.0	1393.3	1391.4
7.5°	1414.0	1390.2	1394.5	1382.9	1379.8
10°	1406.7	1381.7	1382.3	1365.8	1361.5
12.5°	1396.9	1369.5	1365.8	1343.2	1337.1
15°	1384.1	1354.8	1343.2	1312.7	1299.8
17.5°	1370.1	1335.9	1312.1	1265.0	1244.9
20°	1351.1	1312.7	1271.2	1199.7	1172.9
22.5°	1332.2	1284.6	1218.0	1122.8	1086.8
25°	1307.8	1249.8	1153.3	1032.4	990.3
27.5°	1280.3	1208.9	1078.8	939.6	894.4
30°	1248.0	1159.4	997.0	848.7	805.9
32.5°	1210.1	1103.9	910.9	766.8	727.2
35°	1168.0	1039.8	826.7	694.2	663.1
37.5°	1119.7	969.5	748.5	635.6	615.4
40°	1064.8	893.2	676.5	590.4	583.7
42.5°	1005.6	818.7	614.8	561.1	567.2
45°	935.4	741.2	562.9	542.8	559.3
47.5°	861.5	665.5	520.8	532.4	556.2
50°	790.0	595.3	487.8	525.7	553.8
52.5°	701.5	532.4	461.6	519.6	550.1
55°	625.2	472.6	439.6	511.0	542.8
57.5°	537.3	418.8	420.1	500.0	531.8
60°	464.0	370.0	401.1	484.8	515.3
62.5°	389.5	326.0	380.4	464.6	492.1
65°	319.3	285.7	357.8	438.4	461.6
67.5°	260.7	249.1	332.1	406.6	426.2
70°	211.2	215.5	304.1	371.2	387.7
72.5°	162.4	184.4	273.5	333.4	347.4
75°	123.9	155.1	241.2	295.5	307.7
77.5°	91.6	129.4	211.9	261.3	271.7
80°	64.7	106.8	184.4	231.4	239.3
82.5°	43.3	87.9	161.8	204.5	211.9
85°	25.0	72.0	142.3	181.9	186.8
87.5°	10.4	59.8	126.4	158.7	161.2
90°	1.2	50.7	112.3	135.5	134.3
92.5°	1.2	45.8	100.1	113.6	110.5
95°	1.2	42.7	89.1	95.2	92.2
97.5°	1.2	40.9	79.4	81.8	78.8
100°	0.6	39.7	72.7	72.7	69.6
102.5°	0.6	38.5	67.8	65.9	63.5
105°	0.6	37.2	64.1	62.3	59.2
107.5°	0.6	36.6	61.7	59.8	56.8
110°	0.6	35.4	59.8	58.0	55.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	34.8	58.6	57.4	54.3
115°	0.6	33.6	56.8	56.2	54.3
117.5°	0.6	32.4	55.6	55.6	53.7
120°	0.6	31.1	53.7	54.9	53.1
122.5°	0.6	29.9	51.9	53.7	51.9
125°	0.6	28.7	50.1	52.5	51.3
127.5°	1.2	26.9	47.6	51.3	50.1
130°	0.6	25.0	45.2	50.1	49.5
132.5°	1.2	23.2	42.7	48.2	48.2
135°	1.2	21.4	39.7	46.4	46.4
137.5°	1.2	18.9	36.6	44.0	44.6
140°	1.2	17.1	33.6	41.5	42.7
142.5°	1.2	15.3	30.5	39.1	40.9
145°	1.2	13.4	27.5	36.0	38.5
147.5°	1.2	12.2	24.4	32.4	36.0
150°	1.2	10.4	22.0	29.3	33.0
152.5°	1.2	9.2	19.5	26.3	30.5
155°	1.2	8.5	17.1	22.6	27.5
157.5°	1.2	7.3	14.7	19.5	24.4
160°	1.2	6.1	12.2	17.1	20.8
162.5°	1.2	5.5	10.4	14.0	18.3
165°	1.2	4.9	8.5	11.0	14.7
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)