

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: **8SNLED-LD5-136SL-SLW-UNV-L930-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 (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-136SL-SLW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8586.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

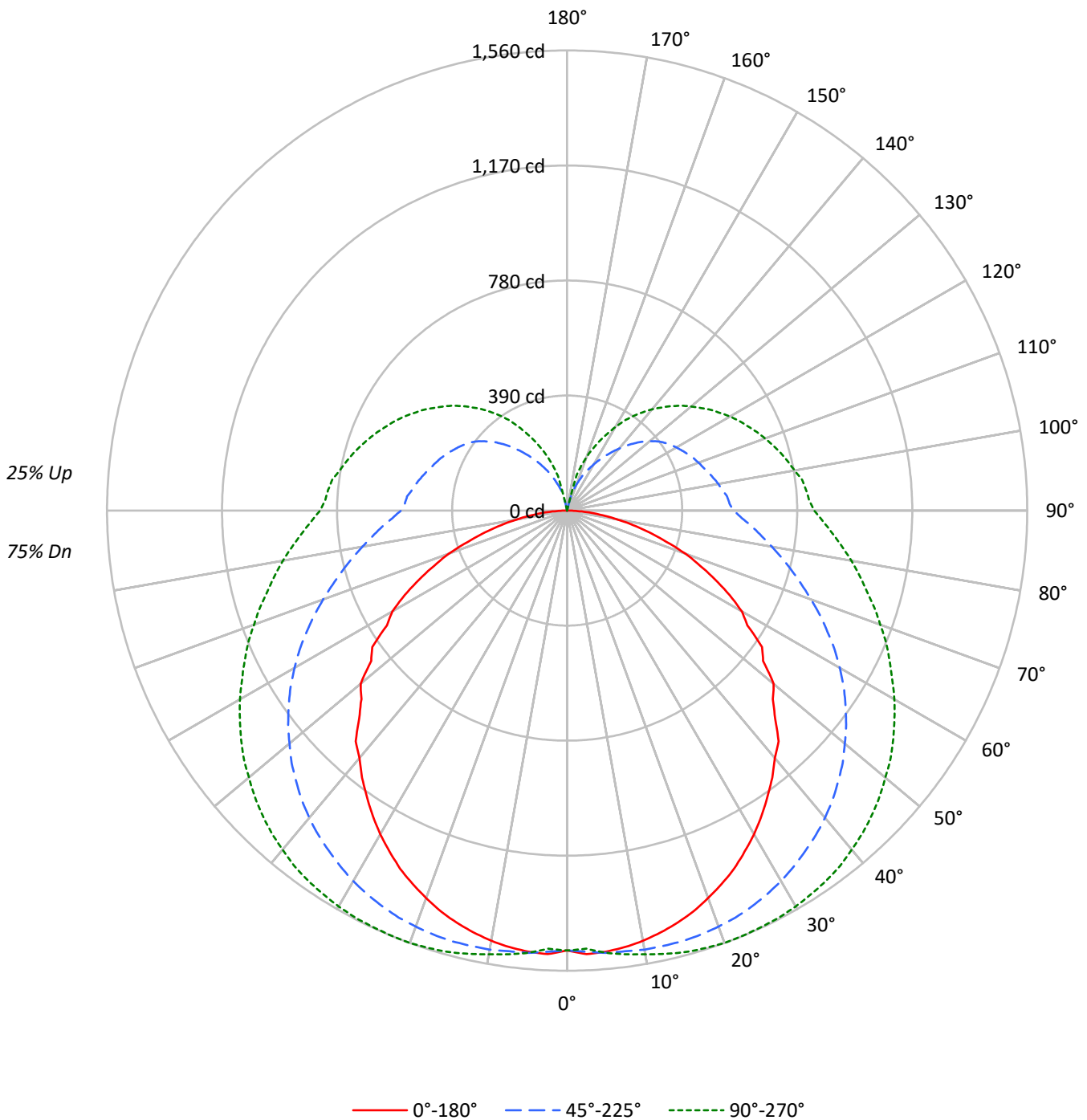
Input Watts (W): 110
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6024	6024	6024
5°	6080	5960	5910
10°	6059	5912	5877
15°	6026	5885	5889
20°	5978	5864	5900
25°	5929	5848	5910
30°	5858	5836	5942
35°	5778	5820	5981
40°	5703	5822	6021
45°	5608	5816	6069
50°	5640	5809	6116
55°	5561	5818	6190
60°	5382	5832	6274
65°	5114	5849	6391
70°	4822	5906	6571
75°	4285	6061	6835
80°	3708	6380	7277
85°	2938	7015	7921



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.3	1.7
10°-20°	424.8	4.9
20°-30°	675.1	7.9
30°-40°	866.4	10.1
40°-50°	978.4	11.4
50°-60°	998.3	11.6
60°-70°	924.9	10.8
70°-80°	783.0	9.1
80°-90°	625.1	7.3
90°-100°	530.7	6.2
100°-110°	472.9	5.5
110°-120°	402.7	4.7
120°-130°	319.9	3.7
130°-140°	226.9	2.6
140°-150°	135.5	1.6
150°-160°	63.1	0.7
160°-170°	15.0	0.2
170°-180°	0.0	0.0
0°-30°	1243.1	14.5
0°-40°	2109.6	24.6
0°-60°	4086.3	47.6
0°-90°	6419.2	74.8
90°-120°	1406.3	16.4
90°-150°	2088.7	24.3
90°-180°	2167.0	25.2
0°-180°	8586.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1491	1491	1491	1491	1491	
5°	1501	1489	1505	1505	1505	143
15°	1447	1459	1511	1539	1550	408
25°	1340	1384	1481	1533	1558	617
35°	1184	1271	1408	1495	1531	741
45°	997	1132	1299	1412	1461	774
55°	807	942	1152	1293	1350	709
65°	553	736	974	1142	1206	549
75°	290	514	789	983	1051	309
85°	75	331	630	833	904	81
90°	4	270	563	767	837	6
95°	0	254	545	744	813	0
105°	0	234	496	684	750	0
115°	0	218	452	615	676	0
125°	0	188	402	543	595	0
135°	0	139	323	458	500	0
145°	0	91	226	343	391	1
155°	2	56	139	210	260	1
165°	2	30	62	87	123	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°	1491.0	1491.0	1491.0	1491.0	1491.0
2.5°	1505.1	1489.0	1497.0	1495.0	1486.9
5°	1501.1	1489.0	1505.1	1505.1	1505.1
7.5°	1493.0	1484.9	1507.1	1515.2	1517.2
10°	1480.9	1480.9	1511.2	1523.3	1527.3
12.5°	1464.8	1470.8	1511.2	1529.3	1539.4
15°	1446.6	1458.7	1511.2	1539.4	1549.5
17.5°	1424.4	1444.6	1507.1	1541.4	1555.5
20°	1398.2	1428.4	1501.1	1541.4	1559.6
22.5°	1369.9	1408.3	1493.0	1537.4	1559.6
25°	1339.7	1384.1	1480.9	1533.4	1557.6
27.5°	1303.4	1359.8	1466.8	1527.3	1555.5
30°	1267.0	1331.6	1450.6	1519.2	1549.5
32.5°	1226.7	1301.3	1430.5	1507.1	1541.4
35°	1184.3	1271.1	1408.3	1495.0	1531.3
37.5°	1141.9	1234.8	1386.1	1478.9	1519.2
40°	1095.5	1198.4	1359.8	1458.7	1501.1
42.5°	1061.2	1160.1	1331.6	1438.5	1482.9
45°	996.7	1131.9	1299.3	1412.3	1460.7
47.5°	946.2	1077.4	1267.0	1386.1	1436.5
50°	914.0	1033.0	1228.7	1355.8	1408.3
52.5°	837.3	1002.7	1192.4	1325.5	1382.0
55°	807.0	942.2	1152.0	1293.3	1349.8
57.5°	724.3	899.8	1111.7	1256.9	1315.5
60°	684.0	841.3	1067.3	1220.6	1281.2
62.5°	621.4	790.9	1022.9	1180.3	1242.8
65°	552.8	736.4	974.5	1141.9	1206.5
67.5°	488.3	681.9	928.1	1101.6	1170.2
70°	425.7	625.4	879.7	1061.2	1129.8
72.5°	353.1	569.0	833.3	1022.9	1091.5
75°	290.5	514.5	788.9	982.6	1051.2
77.5°	230.0	462.0	746.5	946.2	1014.8
80°	173.5	411.6	704.1	907.9	978.5
82.5°	121.1	369.2	665.8	871.6	940.2
85°	74.7	330.9	629.5	833.3	903.9
87.5°	34.3	296.6	593.2	796.9	869.6
90°	4.0	270.4	562.9	766.7	837.3
92.5°	2.0	262.3	550.8	752.6	821.2
95°	0.0	254.2	544.7	744.5	813.1
97.5°	0.0	246.1	530.6	732.4	803.0
100°	0.0	242.1	520.5	714.2	782.8
102.5°	0.0	236.1	508.4	698.1	766.7
105°	0.0	234.0	496.3	684.0	750.5
107.5°	0.0	230.0	484.2	665.8	732.4
110°	0.0	226.0	474.1	649.7	714.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	221.9	464.0	633.5	696.1
115°	0.0	217.9	451.9	615.4	675.9
117.5°	0.0	211.8	439.8	597.2	657.7
120°	0.0	203.8	427.7	581.1	637.6
122.5°	0.0	195.7	415.6	560.9	615.4
125°	0.0	187.6	401.5	542.7	595.2
127.5°	0.0	175.5	385.4	522.6	571.0
130°	0.0	163.4	365.2	502.4	548.8
132.5°	2.0	151.3	345.0	480.2	526.6
135°	0.0	139.2	322.8	458.0	500.4
137.5°	0.0	129.1	298.6	433.8	474.1
140°	0.0	117.0	274.4	405.5	447.9
142.5°	0.0	102.9	250.2	375.3	419.7
145°	0.0	90.8	226.0	343.0	391.4
147.5°	2.0	80.7	203.8	308.7	361.1
150°	2.0	72.6	181.6	274.4	326.8
152.5°	2.0	64.6	159.4	242.1	292.5
155°	2.0	56.5	139.2	209.8	260.3
157.5°	2.0	48.4	117.0	177.5	226.0
160°	2.0	42.4	96.8	149.3	193.7
162.5°	2.0	36.3	78.7	117.0	159.4
165°	2.0	30.3	62.5	86.8	123.1
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)