

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

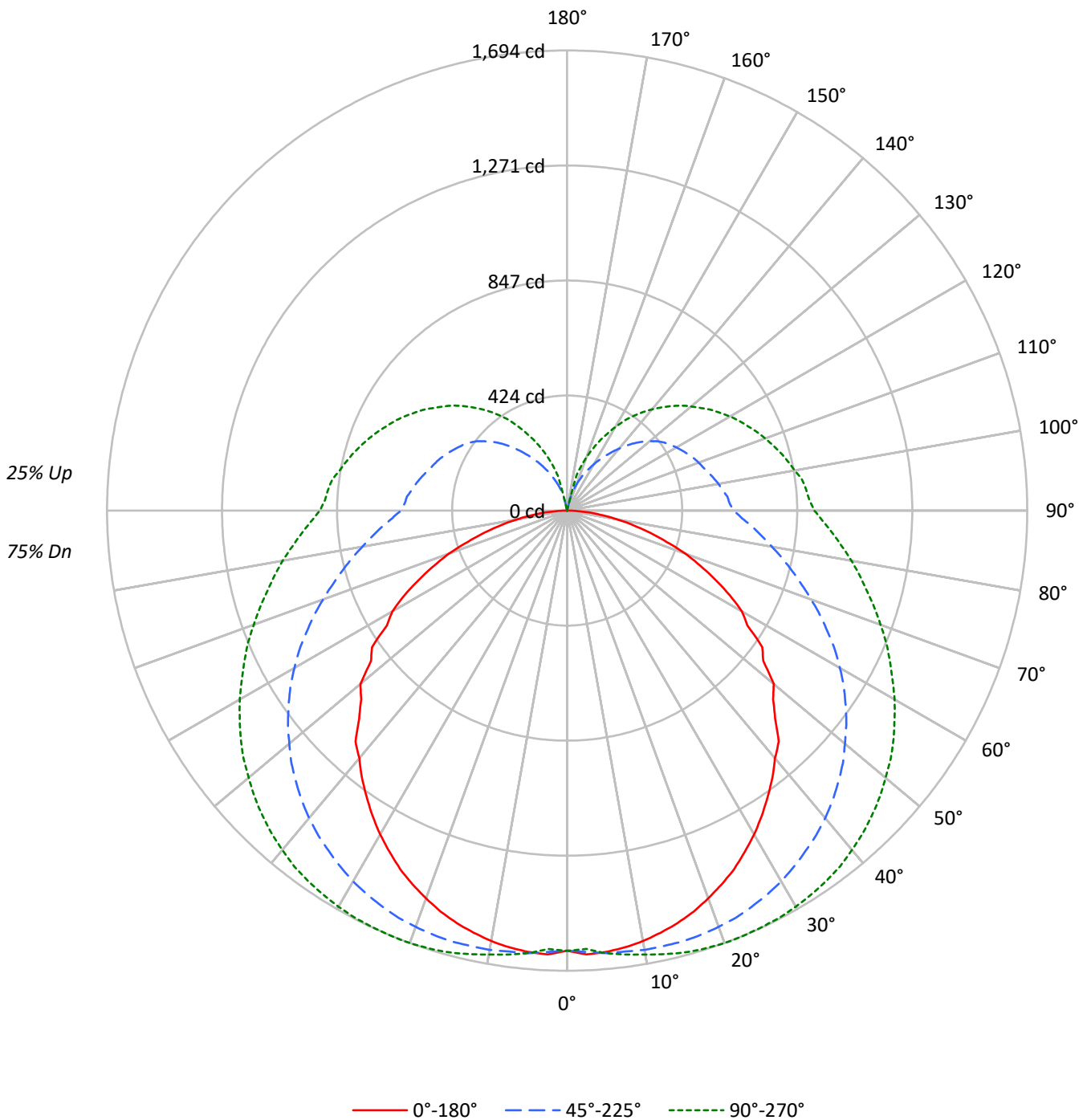
Lumens per Lamp: N/A
Luminaire Lumens: 9329.0 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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	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°	6546	6546	6546
5°	6606	6476	6422
10°	6583	6423	6386
15°	6547	6394	6399
20°	6495	6372	6410
25°	6442	6354	6421
30°	6366	6342	6456
35°	6279	6323	6499
40°	6197	6326	6542
45°	6093	6320	6594
50°	6128	6312	6645
55°	6042	6321	6726
60°	5847	6337	6817
65°	5557	6355	6944
70°	5239	6417	7139
75°	4657	6585	7426
80°	4029	6933	7907
85°	3190	7622	8606



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.7	1.7
10°-20°	461.5	4.9
20°-30°	733.5	7.9
30°-40°	941.4	10.1
40°-50°	1063.0	11.4
50°-60°	1084.7	11.6
60°-70°	1004.9	10.8
70°-80°	850.8	9.1
80°-90°	679.1	7.3
90°-100°	576.7	6.2
100°-110°	513.8	5.5
110°-120°	437.6	4.7
120°-130°	347.6	3.7
130°-140°	246.6	2.6
140°-150°	147.2	1.6
150°-160°	68.6	0.7
160°-170°	16.3	0.2
170°-180°	0.0	0.0
0°-30°	1350.7	14.5
0°-40°	2292.1	24.6
0°-60°	4439.9	47.6
0°-90°	6974.7	74.8
90°-120°	1528.0	16.4
90°-150°	2269.4	24.3
90°-180°	2354.0	25.2
0°-180°	9329.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1620	1620	1620	1620	1620	
5°	1631	1618	1635	1635	1635	155
15°	1572	1585	1642	1673	1684	443
25°	1456	1504	1609	1666	1692	670
35°	1287	1381	1530	1624	1664	806
45°	1083	1230	1412	1534	1587	841
55°	877	1024	1252	1405	1467	770
65°	601	800	1059	1241	1311	596
75°	316	559	857	1068	1142	336
85°	81	360	684	905	982	89
90°	4	294	612	833	910	7
95°	0	276	592	809	883	0
105°	0	254	539	743	816	0
115°	0	237	491	669	734	0
125°	0	204	436	590	647	0
135°	0	151	351	498	544	0
145°	0	99	246	373	425	1
155°	2	61	151	228	283	1
165°	2	33	68	94	134	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1620.0	1620.0	1620.0	1620.0	1620.0
2.5°	1635.4	1617.8	1626.6	1624.4	1615.6
5°	1631.0	1617.8	1635.4	1635.4	1635.4
7.5°	1622.2	1613.4	1637.5	1646.3	1648.5
10°	1609.0	1609.0	1641.9	1655.1	1659.5
12.5°	1591.5	1598.1	1641.9	1661.7	1672.6
15°	1571.8	1584.9	1641.9	1672.6	1683.6
17.5°	1547.7	1569.6	1637.5	1674.8	1690.2
20°	1519.2	1552.1	1631.0	1674.8	1694.5
22.5°	1488.5	1530.1	1622.2	1670.4	1694.5
25°	1455.6	1503.8	1609.0	1666.0	1692.3
27.5°	1416.1	1477.5	1593.7	1659.5	1690.2
30°	1376.7	1446.8	1576.2	1650.7	1683.6
32.5°	1332.8	1413.9	1554.2	1637.5	1674.8
35°	1286.8	1381.1	1530.1	1624.4	1663.9
37.5°	1240.8	1341.6	1506.0	1606.9	1650.7
40°	1190.3	1302.1	1477.5	1584.9	1631.0
42.5°	1153.1	1260.5	1446.8	1563.0	1611.2
45°	1082.9	1229.8	1411.8	1534.5	1587.1
47.5°	1028.1	1170.6	1376.7	1506.0	1560.8
50°	993.0	1122.4	1335.0	1473.1	1530.1
52.5°	909.7	1089.5	1295.6	1440.3	1501.6
55°	876.9	1023.7	1251.7	1405.2	1466.6
57.5°	787.0	977.7	1207.9	1365.7	1429.3
60°	743.1	914.1	1159.7	1326.3	1392.0
62.5°	675.2	859.3	1111.4	1282.4	1350.4
65°	600.7	800.1	1058.8	1240.8	1310.9
67.5°	530.5	741.0	1008.4	1196.9	1271.5
70°	462.5	679.6	955.8	1153.1	1227.6
72.5°	383.6	618.2	905.4	1111.4	1186.0
75°	315.7	559.0	857.1	1067.6	1142.1
77.5°	249.9	502.0	811.1	1028.1	1102.7
80°	188.5	447.2	765.1	986.5	1063.2
82.5°	131.5	401.2	723.4	947.0	1021.5
85°	81.1	359.5	684.0	905.4	982.1
87.5°	37.3	322.2	644.5	865.9	944.8
90°	4.4	293.7	611.6	833.0	909.7
92.5°	2.2	285.0	598.5	817.7	892.2
95°	0.0	276.2	591.9	808.9	883.4
97.5°	0.0	267.4	576.5	795.8	872.5
100°	0.0	263.1	565.6	776.0	850.6
102.5°	0.0	256.5	552.4	758.5	833.0
105°	0.0	254.3	539.3	743.1	815.5
107.5°	0.0	249.9	526.1	723.4	795.8
110°	0.0	245.5	515.2	705.9	776.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	241.1	504.2	688.3	756.3
115°	0.0	236.8	491.0	668.6	734.4
117.5°	0.0	230.2	477.9	648.9	714.6
120°	0.0	221.4	464.7	631.3	692.7
122.5°	0.0	212.6	451.6	609.4	668.6
125°	0.0	203.9	436.2	589.7	646.7
127.5°	0.0	190.7	418.7	567.8	620.4
130°	0.0	177.6	396.8	545.8	596.3
132.5°	2.2	164.4	374.9	521.7	572.2
135°	0.0	151.3	350.7	497.6	543.7
137.5°	0.0	140.3	324.4	471.3	515.2
140°	0.0	127.1	298.1	440.6	486.7
142.5°	0.0	111.8	271.8	407.7	456.0
145°	0.0	98.6	245.5	372.7	425.3
147.5°	2.2	87.7	221.4	335.4	392.4
150°	2.2	78.9	197.3	298.1	355.1
152.5°	2.2	70.1	173.2	263.1	317.9
155°	2.2	61.4	151.3	228.0	282.8
157.5°	2.2	52.6	127.1	192.9	245.5
160°	2.2	46.0	105.2	162.2	210.4
162.5°	2.2	39.5	85.5	127.1	173.2
165°	2.2	32.9	68.0	94.3	133.7
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)