

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-LD5-130HL-SLW-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 (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-130HL-SLW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

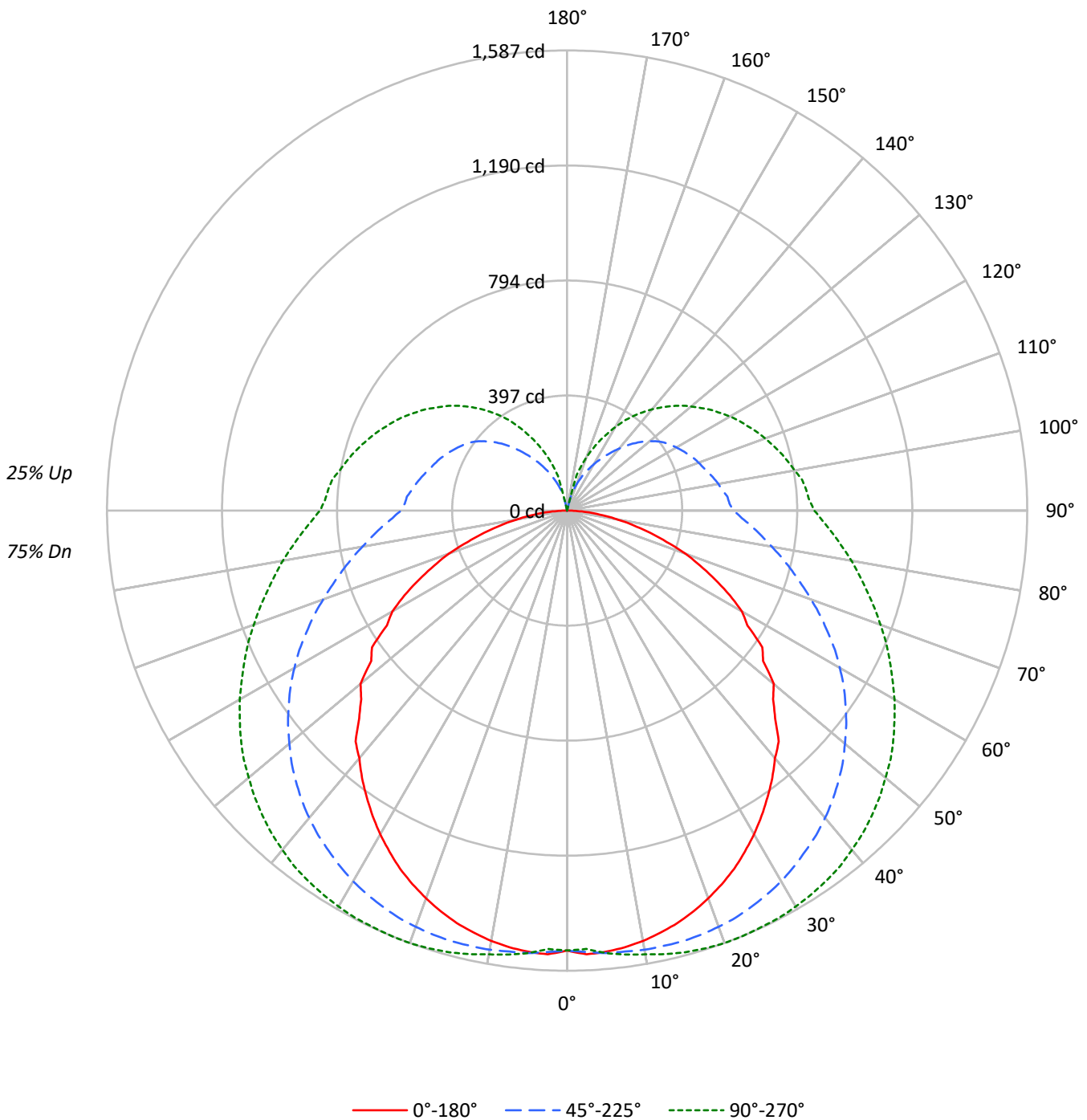
Lumens per Lamp: N/A
Luminaire Lumens: 8738.0 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 86
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°	6131	6131	6131
5°	6187	6066	6015
10°	6166	6016	5981
15°	6133	5989	5993
20°	6084	5968	6004
25°	6034	5952	6014
30°	5962	5940	6047
35°	5881	5923	6087
40°	5804	5925	6127
45°	5707	5919	6176
50°	5740	5912	6224
55°	5659	5921	6299
60°	5477	5935	6385
65°	5204	5952	6504
70°	4907	6010	6687
75°	4362	6168	6956
80°	3775	6493	7405
85°	2989	7139	8061



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.9	1.7
10°-20°	432.3	4.9
20°-30°	687.0	7.9
30°-40°	881.8	10.1
40°-50°	995.7	11.4
50°-60°	1016.0	11.6
60°-70°	941.2	10.8
70°-80°	796.9	9.1
80°-90°	636.1	7.3
90°-100°	540.1	6.2
100°-110°	481.2	5.5
110°-120°	409.9	4.7
120°-130°	325.6	3.7
130°-140°	230.9	2.6
140°-150°	137.9	1.6
150°-160°	64.3	0.7
160°-170°	15.3	0.2
170°-180°	0.0	0.0
0°-30°	1265.1	14.5
0°-40°	2146.9	24.6
0°-60°	4158.6	47.6
0°-90°	6532.8	74.8
90°-120°	1431.2	16.4
90°-150°	2125.6	24.3
90°-180°	2205.0	25.2
0°-180°	8738.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1517	1517	1517	1517	1517	
5°	1528	1515	1532	1532	1532	145
15°	1472	1484	1538	1567	1577	415
25°	1363	1409	1507	1560	1585	628
35°	1205	1294	1433	1522	1558	755
45°	1014	1152	1322	1437	1487	788
55°	821	959	1172	1316	1374	721
65°	563	749	992	1162	1228	558
75°	296	524	803	1000	1070	315
85°	76	337	641	848	920	83
90°	4	275	573	780	852	6
95°	0	259	554	758	828	0
105°	0	238	505	696	764	0
115°	0	222	460	626	688	0
125°	0	191	409	552	606	0
135°	0	142	328	466	509	0
145°	0	92	230	349	398	1
155°	2	58	142	214	265	1
165°	2	31	64	88	125	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°	1517.4	1517.4	1517.4	1517.4	1517.4
2.5°	1531.8	1515.3	1523.5	1521.5	1513.3
5°	1527.6	1515.3	1531.8	1531.8	1531.8
7.5°	1519.4	1511.2	1533.8	1542.0	1544.1
10°	1507.1	1507.1	1537.9	1550.2	1554.3
12.5°	1490.7	1496.8	1537.9	1556.4	1566.7
15°	1472.2	1484.5	1537.9	1566.7	1576.9
17.5°	1449.6	1470.2	1533.8	1568.7	1583.1
20°	1422.9	1453.7	1527.6	1568.7	1587.2
22.5°	1394.2	1433.2	1519.4	1564.6	1587.2
25°	1363.4	1408.6	1507.1	1560.5	1585.1
27.5°	1326.4	1383.9	1492.7	1554.3	1583.1
30°	1289.5	1355.2	1476.3	1546.1	1576.9
32.5°	1248.4	1324.4	1455.8	1533.8	1568.7
35°	1205.3	1293.6	1433.2	1521.5	1558.4
37.5°	1162.2	1256.6	1410.6	1505.1	1546.1
40°	1114.9	1219.7	1383.9	1484.5	1527.6
42.5°	1080.0	1180.6	1355.2	1464.0	1509.2
45°	1014.3	1151.9	1322.3	1437.3	1486.6
47.5°	963.0	1096.5	1289.5	1410.6	1461.9
50°	930.1	1051.3	1250.5	1379.8	1433.2
52.5°	852.1	1020.5	1213.5	1349.0	1406.5
55°	821.3	958.9	1172.4	1316.2	1373.6
57.5°	737.1	915.8	1131.4	1279.2	1338.7
60°	696.1	856.2	1086.2	1242.2	1303.8
62.5°	632.4	804.9	1041.0	1201.2	1264.8
65°	562.6	749.4	991.7	1162.2	1227.9
67.5°	496.9	694.0	944.5	1121.1	1190.9
70°	433.2	636.5	895.2	1080.0	1149.8
72.5°	359.3	579.0	848.0	1041.0	1110.8
75°	295.7	523.6	802.8	1000.0	1069.8
77.5°	234.1	470.2	759.7	963.0	1032.8
80°	176.6	418.9	716.6	924.0	995.8
82.5°	123.2	375.8	677.6	887.0	956.8
85°	76.0	336.7	640.6	848.0	919.9
87.5°	34.9	301.8	603.7	811.0	885.0
90°	4.1	275.1	572.9	780.2	852.1
92.5°	2.1	266.9	560.5	765.9	835.7
95°	0.0	258.7	554.4	757.7	827.5
97.5°	0.0	250.5	540.0	745.3	817.2
100°	0.0	246.4	529.7	726.9	796.7
102.5°	0.0	240.2	517.4	710.4	780.2
105°	0.0	238.2	505.1	696.1	763.8
107.5°	0.0	234.1	492.8	677.6	745.3
110°	0.0	230.0	482.5	661.2	726.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	225.9	472.3	644.7	708.4
115°	0.0	221.8	459.9	626.3	687.9
117.5°	0.0	215.6	447.6	607.8	669.4
120°	0.0	207.4	435.3	591.3	648.8
122.5°	0.0	199.2	423.0	570.8	626.3
125°	0.0	191.0	408.6	552.3	605.7
127.5°	0.0	178.6	392.2	531.8	581.1
130°	0.0	166.3	371.6	511.3	558.5
132.5°	2.1	154.0	351.1	488.7	535.9
135°	0.0	141.7	328.5	466.1	509.2
137.5°	0.0	131.4	303.9	441.5	482.5
140°	0.0	119.1	279.2	412.7	455.8
142.5°	0.0	104.7	254.6	381.9	427.1
145°	0.0	92.4	230.0	349.1	398.3
147.5°	2.1	82.1	207.4	314.2	367.5
150°	2.1	73.9	184.8	279.2	332.6
152.5°	2.1	65.7	162.2	246.4	297.7
155°	2.1	57.5	141.7	213.5	264.9
157.5°	2.1	49.3	119.1	180.7	230.0
160°	2.1	43.1	98.6	151.9	197.1
162.5°	2.1	37.0	80.1	119.1	162.2
165°	2.1	30.8	63.7	88.3	125.3
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)