

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: P284684

Luminaire Tested: **8SNLED-LD5-130HL-SLW-UNV-L935-CD1-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Test Information

Test Method: LM-79-08
Report Number: P284684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#)
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: -

Luminaire Equipment: Sample No. Condition Description

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

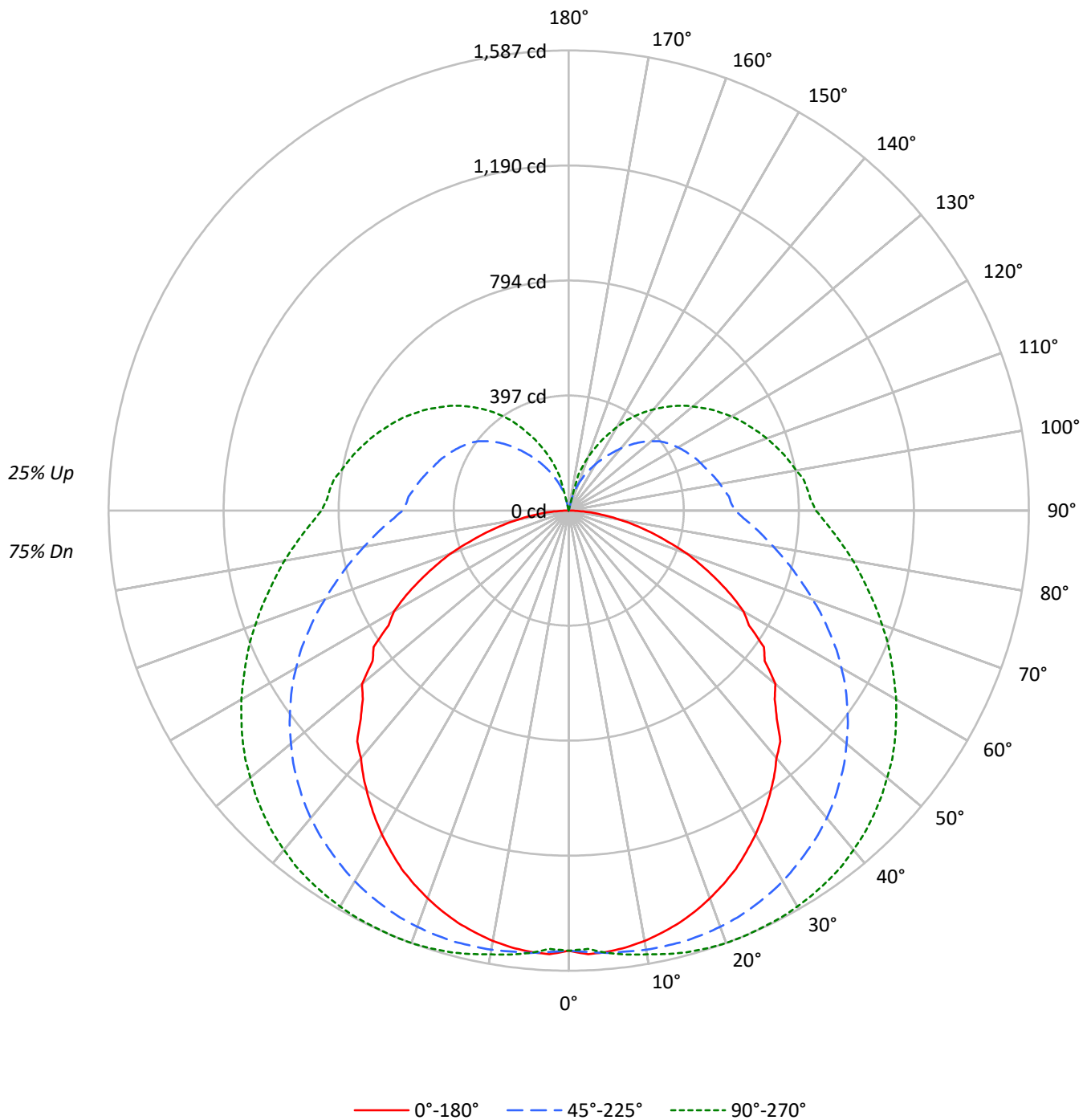
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	6132	6132	6132
5°	6187	6065	6014
10°	6166	6017	5981
15°	6133	5990	5993
20°	6084	5968	6005
25°	6035	5952	6014
30°	5962	5939	6047
35°	5880	5924	6088
40°	5804	5926	6127
45°	5708	5918	6176
50°	5741	5913	6225
55°	5658	5921	6299
60°	5475	5934	6385
65°	5203	5953	6503
70°	4908	6011	6686
75°	4365	6169	6957
80°	3779	6491	7405
85°	2986	7138	8060



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.8	1.7
10°-20°	432.3	4.9
20°-30°	687.0	7.9
30°-40°	881.7	10.1
40°-50°	995.7	11.4
50°-60°	1016.0	11.6
60°-70°	941.3	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°	325.5	3.7
130°-140°	231.0	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°	1518	1518	1518	1518	1518	
5°	1528	1515	1532	1532	1532	145
15°	1472	1484	1538	1566	1577	415
25°	1364	1408	1507	1560	1585	628
35°	1205	1294	1433	1522	1559	754
45°	1014	1152	1322	1437	1487	788
55°	821	959	1172	1316	1374	721
65°	562	750	992	1162	1228	558
75°	296	524	803	1000	1070	315
85°	76	337	640	848	920	83
90°	4	275	573	780	852	6
95°	0	259	555	757	827	0
105°	0	238	505	696	764	0
115°	0	222	460	626	688	0
125°	0	191	408	552	606	0
135°	0	142	329	466	509	0
145°	0	92	230	349	398	1
155°	2	58	142	213	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°	1517.6	1517.6	1517.6	1517.6	1517.6
2.5°	1531.5	1515.4	1523.7	1521.5	1513.2
5°	1527.6	1515.4	1531.5	1531.5	1531.5
7.5°	1519.3	1511.0	1533.7	1542.0	1544.2
10°	1507.1	1507.1	1538.1	1550.3	1554.2
12.5°	1490.5	1496.6	1538.1	1556.4	1566.4
15°	1472.2	1484.4	1538.1	1566.4	1576.9
17.5°	1449.5	1470.0	1533.7	1568.6	1583.0
20°	1422.9	1453.9	1527.6	1568.6	1587.4
22.5°	1394.1	1433.4	1519.3	1564.7	1587.4
25°	1363.6	1408.5	1507.1	1560.3	1585.2
27.5°	1326.5	1384.1	1492.7	1554.2	1583.0
30°	1289.3	1355.3	1476.1	1545.9	1576.9
32.5°	1248.3	1324.3	1455.6	1533.7	1568.6
35°	1205.1	1293.8	1433.4	1521.5	1558.6
37.5°	1161.9	1256.7	1410.7	1504.9	1545.9
40°	1114.8	1219.5	1384.1	1484.4	1527.6
42.5°	1079.9	1180.7	1355.3	1463.9	1509.3
45°	1014.5	1151.9	1322.0	1437.3	1486.6
47.5°	963.0	1096.5	1289.3	1410.7	1461.7
50°	930.3	1051.1	1250.6	1379.7	1433.4
52.5°	852.2	1020.6	1213.4	1349.2	1406.3
55°	821.1	959.1	1172.4	1315.9	1373.6
57.5°	736.9	915.9	1131.4	1279.4	1338.7
60°	695.9	856.1	1086.0	1242.2	1303.8
62.5°	632.2	805.1	1041.1	1201.2	1265.0
65°	562.4	749.7	991.8	1161.9	1227.8
67.5°	497.0	694.3	944.7	1120.9	1190.7
70°	433.3	636.6	895.4	1079.9	1149.7
72.5°	359.0	579.0	847.7	1041.1	1110.9
75°	295.9	523.6	802.9	1000.1	1069.9
77.5°	233.8	470.4	759.6	963.0	1032.8
80°	176.8	418.9	716.4	924.2	995.7
82.5°	123.0	375.7	677.6	887.1	956.9
85°	75.9	336.9	640.5	847.7	919.8
87.5°	34.9	302.0	603.4	811.2	884.9
90°	3.9	275.4	572.9	780.1	852.2
92.5°	2.2	267.1	560.7	765.7	835.6
95°	0.0	258.8	554.6	757.4	827.2
97.5°	0.0	250.4	540.2	745.2	817.3
100°	0.0	246.6	529.7	727.0	796.8
102.5°	0.0	240.5	517.5	710.3	780.1
105°	0.0	238.3	505.3	695.9	764.1
107.5°	0.0	233.8	492.6	677.6	745.2
110°	0.0	229.9	482.6	661.0	727.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	226.1	472.1	644.9	708.1
115°	0.0	221.6	459.9	626.1	687.6
117.5°	0.0	215.5	447.7	607.8	669.3
120°	0.0	207.2	435.5	591.2	648.8
122.5°	0.0	198.9	422.8	570.7	626.1
125°	0.0	191.2	408.4	552.4	605.6
127.5°	0.0	178.4	392.3	531.9	581.2
130°	0.0	166.2	371.8	511.4	558.5
132.5°	2.2	154.0	351.3	488.7	535.8
135°	0.0	141.8	328.6	466.0	509.2
137.5°	0.0	131.3	303.6	441.6	482.6
140°	0.0	119.1	279.3	412.8	456.0
142.5°	0.0	104.7	254.9	381.8	427.2
145°	0.0	92.5	229.9	349.1	398.4
147.5°	2.2	82.0	207.2	314.2	367.4
150°	2.2	73.7	185.1	279.3	332.4
152.5°	2.2	65.9	162.3	246.6	297.5
155°	2.2	57.6	141.8	213.3	264.9
157.5°	2.2	49.3	119.1	180.6	229.9
160°	2.2	43.2	98.6	151.8	197.3
162.5°	2.2	37.1	80.3	119.1	162.3
165°	2.2	31.0	63.7	88.1	125.2
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)