

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-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-LD5-130HL-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: 8232.0 lumens
Efficiency: N/A
Efficacy: 95.7 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

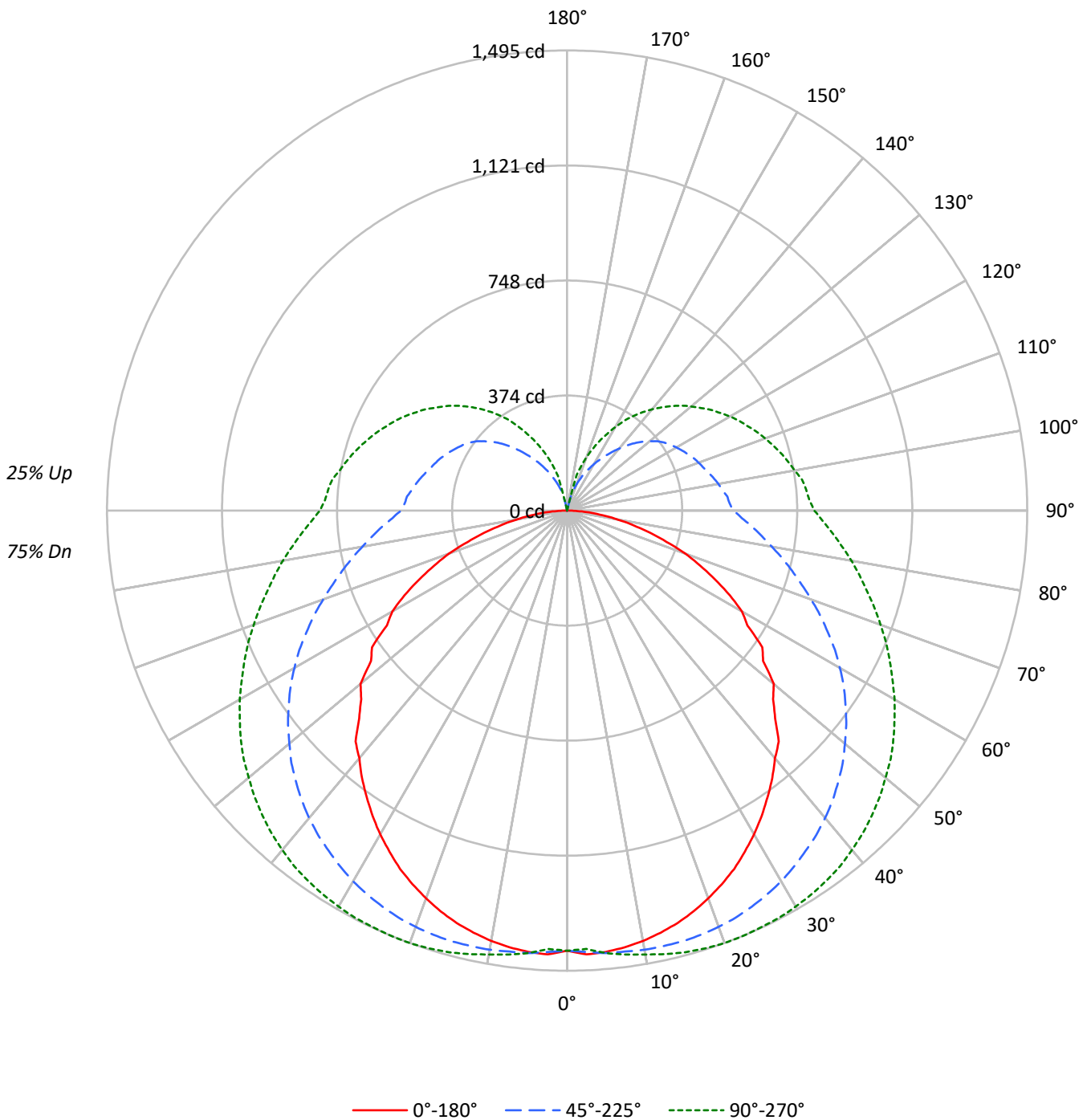
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5776	5776	5776
5°	5829	5715	5667
10°	5809	5668	5635
15°	5778	5643	5646
20°	5731	5623	5657
25°	5685	5607	5666
30°	5617	5596	5697
35°	5540	5580	5735
40°	5469	5582	5773
45°	5376	5576	5819
50°	5408	5570	5864
55°	5332	5578	5935
60°	5160	5592	6015
65°	4903	5608	6127
70°	4624	5662	6300
75°	4110	5811	6553
80°	3557	6117	6977
85°	2816	6725	7594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.4	1.7
10°-20°	407.2	4.9
20°-30°	647.2	7.9
30°-40°	830.7	10.1
40°-50°	938.1	11.4
50°-60°	957.1	11.6
60°-70°	886.7	10.8
70°-80°	750.7	9.1
80°-90°	599.3	7.3
90°-100°	508.9	6.2
100°-110°	453.4	5.5
110°-120°	386.2	4.7
120°-130°	306.7	3.7
130°-140°	217.6	2.6
140°-150°	129.9	1.6
150°-160°	60.5	0.7
160°-170°	14.4	0.2
170°-180°	0.0	0.0
0°-30°	1191.9	14.5
0°-40°	2022.6	24.6
0°-60°	3917.8	47.6
0°-90°	6154.5	74.8
90°-120°	1348.4	16.4
90°-150°	2002.6	24.3
90°-180°	2077.0	25.2
0°-180°	8232.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1430	1430	1430	1430	1430	
5°	1439	1428	1443	1443	1443	137
15°	1387	1399	1449	1476	1486	391
25°	1284	1327	1420	1470	1493	591
35°	1136	1219	1350	1433	1468	711
45°	956	1085	1246	1354	1400	742
55°	774	903	1104	1240	1294	679
65°	530	706	934	1095	1157	526
75°	279	493	756	942	1008	297
85°	72	317	604	799	867	78
90°	4	259	540	735	803	6
95°	0	244	522	714	780	0
105°	0	224	476	656	720	0
115°	0	209	433	590	648	0
125°	0	180	385	520	571	0
135°	0	134	310	439	480	0
145°	0	87	217	329	375	1
155°	2	54	134	201	250	1
165°	2	29	60	83	118	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°	1429.5	1429.5	1429.5	1429.5	1429.5
2.5°	1443.1	1427.6	1435.3	1433.4	1425.6
5°	1439.2	1427.6	1443.1	1443.1	1443.1
7.5°	1431.4	1423.7	1445.0	1452.7	1454.7
10°	1419.8	1419.8	1448.9	1460.5	1464.3
12.5°	1404.4	1410.2	1448.9	1466.3	1475.9
15°	1387.0	1398.6	1448.9	1475.9	1485.6
17.5°	1365.7	1385.0	1445.0	1477.9	1491.4
20°	1340.5	1369.5	1439.2	1477.9	1495.3
22.5°	1313.4	1350.2	1431.4	1474.0	1495.3
25°	1284.4	1327.0	1419.8	1470.1	1493.3
27.5°	1249.6	1303.8	1406.3	1464.3	1491.4
30°	1214.8	1276.7	1390.8	1456.6	1485.6
32.5°	1176.1	1247.7	1371.5	1445.0	1477.9
35°	1135.5	1218.7	1350.2	1433.4	1468.2
37.5°	1094.9	1183.8	1328.9	1417.9	1456.6
40°	1050.4	1149.0	1303.8	1398.6	1439.2
42.5°	1017.5	1112.3	1276.7	1379.2	1421.8
45°	955.6	1085.2	1245.7	1354.1	1400.5
47.5°	907.2	1033.0	1214.8	1328.9	1377.3
50°	876.3	990.4	1178.0	1299.9	1350.2
52.5°	802.8	961.4	1143.2	1270.9	1325.1
55°	773.8	903.4	1104.5	1239.9	1294.1
57.5°	694.4	862.7	1065.8	1205.1	1261.2
60°	655.8	806.6	1023.3	1170.3	1228.3
62.5°	595.8	758.3	980.7	1131.6	1191.6
65°	530.0	706.1	934.3	1094.9	1156.8
67.5°	468.1	653.8	889.8	1056.2	1121.9
70°	408.2	599.7	843.4	1017.5	1083.3
72.5°	338.5	545.5	798.9	980.7	1046.5
75°	278.6	493.3	756.3	942.0	1007.8
77.5°	220.5	443.0	715.7	907.2	973.0
80°	166.4	394.6	675.1	870.5	938.2
82.5°	116.1	354.0	638.3	835.7	901.4
85°	71.6	317.2	603.5	798.9	866.6
87.5°	32.9	284.4	568.7	764.1	833.7
90°	3.9	259.2	539.7	735.1	802.8
92.5°	1.9	251.5	528.1	721.5	787.3
95°	0.0	243.7	522.3	713.8	779.6
97.5°	0.0	236.0	508.7	702.2	769.9
100°	0.0	232.1	499.1	684.8	750.5
102.5°	0.0	226.3	487.5	669.3	735.1
105°	0.0	224.4	475.9	655.8	719.6
107.5°	0.0	220.5	464.3	638.3	702.2
110°	0.0	216.7	454.6	622.9	684.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	212.8	444.9	607.4	667.4
115°	0.0	208.9	433.3	590.0	648.0
117.5°	0.0	203.1	421.7	572.6	630.6
120°	0.0	195.4	410.1	557.1	611.3
122.5°	0.0	187.6	398.5	537.8	590.0
125°	0.0	179.9	384.9	520.3	570.6
127.5°	0.0	168.3	369.5	501.0	547.4
130°	0.0	156.7	350.1	481.7	526.2
132.5°	1.9	145.1	330.8	460.4	504.9
135°	0.0	133.5	309.5	439.1	479.7
137.5°	0.0	123.8	286.3	415.9	454.6
140°	0.0	112.2	263.1	388.8	429.4
142.5°	0.0	98.7	239.9	359.8	402.4
145°	0.0	87.0	216.7	328.8	375.3
147.5°	1.9	77.4	195.4	296.0	346.3
150°	1.9	69.6	174.1	263.1	313.4
152.5°	1.9	61.9	152.8	232.1	280.5
155°	1.9	54.2	133.5	201.2	249.5
157.5°	1.9	46.4	112.2	170.2	216.7
160°	1.9	40.6	92.9	143.1	185.7
162.5°	1.9	34.8	75.4	112.2	152.8
165°	1.9	29.0	60.0	83.2	118.0
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)