

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: P284645

Luminaire Tested: **8SNLED-LD5-130HL-SLW-UNV-L930-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: P284645
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-L930-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: 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

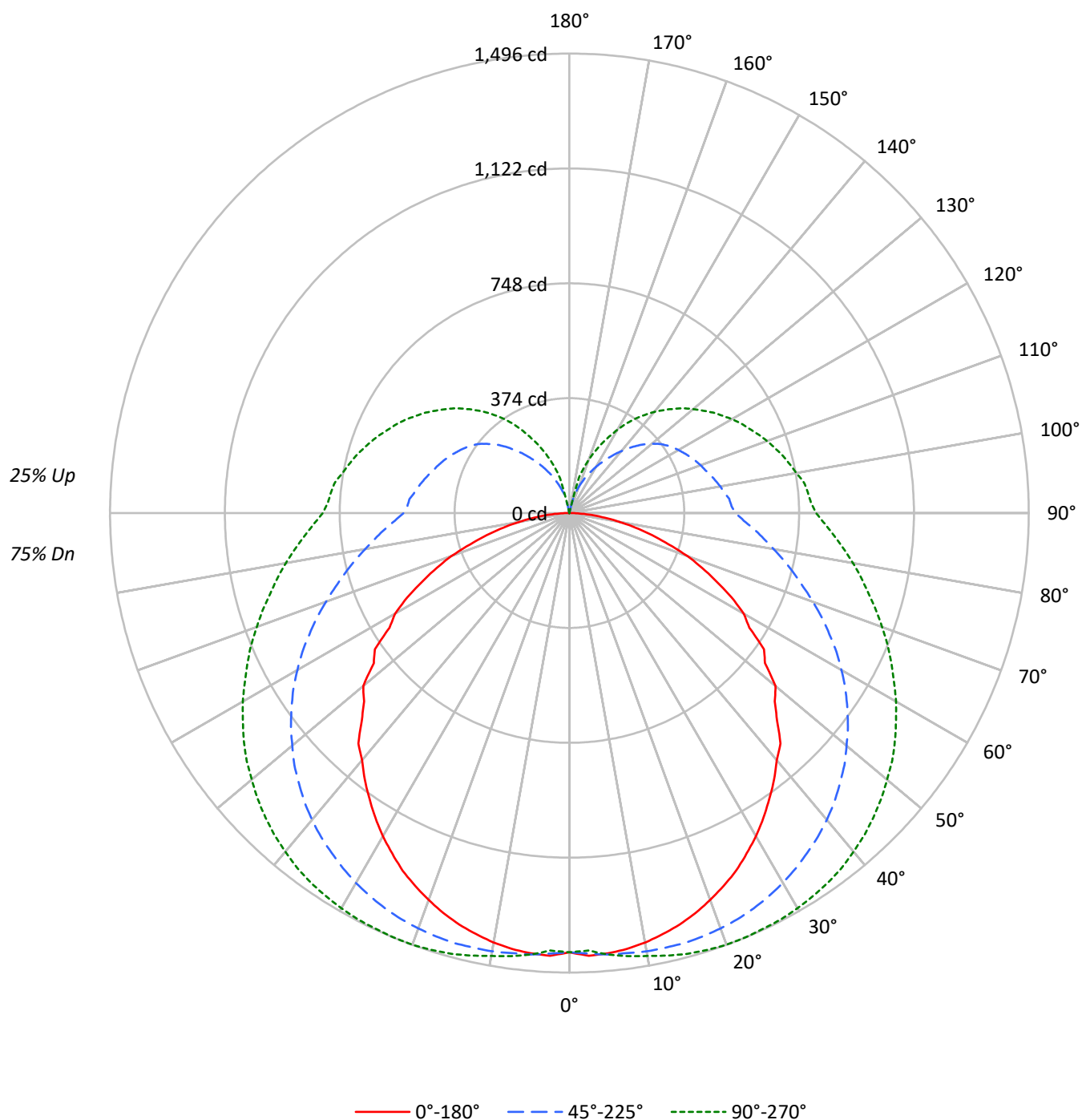
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P284645

CATALOG NUMBER: 8SNLED-LD5-130HL-SLW-UNV-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P284645

CATALOG NUMBER: 8SNLED-LD5-130HL-SLW-UNV-L930-CD1-U

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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°	5777	5777	5777
5°	5829	5714	5666
10°	5809	5669	5634
15°	5777	5644	5646
20°	5731	5622	5657
25°	5686	5607	5666
30°	5617	5595	5697
35°	5539	5581	5735
40°	5468	5582	5772
45°	5378	5575	5819
50°	5408	5570	5865
55°	5331	5578	5934
60°	5158	5591	6015
65°	4901	5608	6127
70°	4624	5663	6299
75°	4111	5812	6554
80°	3559	6115	6976
85°	2812	6724	7593



TEST NUMBER: P284645

CATALOG NUMBER: 8SNLED-LD5-130HL-SLW-UNV-L930-CD1-U

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°	938.0	11.4
50°-60°	957.2	11.6
60°-70°	886.8	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°	386.1	4.7
120°-130°	306.7	3.7
130°-140°	217.6	2.6
140°-150°	129.9	1.6
150°-160°	60.6	0.7
160°-170°	14.4	0.2
170°-180°	0.0	0.0
0°-30°	1191.9	14.5
0°-40°	2022.5	24.6
0°-60°	3917.7	47.6
0°-90°	6154.5	74.8
90°-120°	1348.4	16.4
90°-150°	2002.6	24.3
90°-180°	2078.0	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	1398	1449	1476	1486	391
25°	1285	1327	1420	1470	1493	591
35°	1135	1219	1350	1433	1468	711
45°	956	1085	1246	1354	1400	742
55°	774	904	1104	1240	1294	679
65°	530	706	934	1095	1157	526
75°	279	493	756	942	1008	297
85°	72	317	603	799	866	78
90°	4	259	540	735	803	6
95°	0	244	522	714	779	0
105°	0	224	476	656	720	0
115°	0	209	433	590	648	0
125°	0	180	385	520	570	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



TEST NUMBER: P284645

CATALOG NUMBER: 8SNLED-LD5-130HL-SLW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1429.7	1429.7	1429.7	1429.7	1429.7
2.5°	1442.8	1427.7	1435.5	1433.4	1425.6
5°	1439.1	1427.7	1442.8	1442.8	1442.8
7.5°	1431.3	1423.5	1444.9	1452.7	1454.8
10°	1419.8	1419.8	1449.1	1460.5	1464.2
12.5°	1404.2	1409.9	1449.1	1466.3	1475.7
15°	1386.9	1398.4	1449.1	1475.7	1485.6
17.5°	1365.5	1384.9	1444.9	1477.8	1491.3
20°	1340.5	1369.7	1439.1	1477.8	1495.5
22.5°	1313.3	1350.4	1431.3	1474.1	1495.5
25°	1284.6	1326.9	1419.8	1469.9	1493.4
27.5°	1249.7	1303.9	1406.3	1464.2	1491.3
30°	1214.7	1276.8	1390.6	1456.4	1485.6
32.5°	1176.1	1247.6	1371.3	1444.9	1477.8
35°	1135.3	1218.9	1350.4	1433.4	1468.4
37.5°	1094.6	1183.9	1329.0	1417.7	1456.4
40°	1050.3	1148.9	1303.9	1398.4	1439.1
42.5°	1017.4	1112.4	1276.8	1379.1	1421.9
45°	955.8	1085.2	1245.5	1354.1	1400.5
47.5°	907.2	1033.0	1214.7	1329.0	1377.0
50°	876.4	990.2	1178.1	1299.8	1350.4
52.5°	802.8	961.5	1143.2	1271.1	1324.8
55°	773.6	903.6	1104.5	1239.7	1294.0
57.5°	694.3	862.9	1065.9	1205.3	1261.1
60°	655.6	806.5	1023.1	1170.3	1228.3
62.5°	595.6	758.5	980.8	1131.7	1191.7
65°	529.8	706.3	934.4	1094.6	1156.7
67.5°	468.2	654.1	890.0	1056.0	1121.8
70°	408.2	599.8	843.5	1017.4	1083.1
72.5°	338.3	545.5	798.7	980.8	1046.6
75°	278.7	493.3	756.4	942.2	1008.0
77.5°	220.3	443.2	715.7	907.2	973.0
80°	166.5	394.6	674.9	870.7	938.0
82.5°	115.9	353.9	638.4	835.7	901.5
85°	71.5	317.4	603.4	798.7	866.5
87.5°	32.9	284.5	568.5	764.2	833.6
90°	3.7	259.4	539.7	735.0	802.8
92.5°	2.1	251.6	528.3	721.4	787.2
95°	0.0	243.8	522.5	713.6	779.3
97.5°	0.0	235.9	508.9	702.1	769.9
100°	0.0	232.3	499.0	684.9	750.6
102.5°	0.0	226.5	487.5	669.2	735.0
105°	0.0	224.5	476.1	655.6	719.8
107.5°	0.0	220.3	464.1	638.4	702.1
110°	0.0	216.6	454.7	622.7	684.9



TEST NUMBER: P284645

CATALOG NUMBER: 8SNLED-LD5-130HL-SLW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	213.0	444.7	607.6	667.1
115°	0.0	208.8	433.3	589.9	647.8
117.5°	0.0	203.1	421.8	572.6	630.6
120°	0.0	195.2	410.3	557.0	611.3
122.5°	0.0	187.4	398.3	537.7	589.9
125°	0.0	180.1	384.7	520.4	570.5
127.5°	0.0	168.1	369.6	501.1	547.6
130°	0.0	156.6	350.3	481.8	526.2
132.5°	2.1	145.1	330.9	460.4	504.8
135°	0.0	133.6	309.5	439.0	479.7
137.5°	0.0	123.7	286.1	416.0	454.7
140°	0.0	112.2	263.1	388.9	429.6
142.5°	0.0	98.7	240.1	359.7	402.5
145°	0.0	87.2	216.6	328.9	375.3
147.5°	2.1	77.3	195.2	296.0	346.1
150°	2.1	69.4	174.3	263.1	313.2
152.5°	2.1	62.1	152.9	232.3	280.3
155°	2.1	54.3	133.6	201.0	249.5
157.5°	2.1	46.5	112.2	170.2	216.6
160°	2.1	40.7	92.9	143.0	185.8
162.5°	2.1	35.0	75.7	112.2	152.9
165°	2.1	29.2	60.0	83.0	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)