

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-LD5-170HL-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-LD5-170HL-SLW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

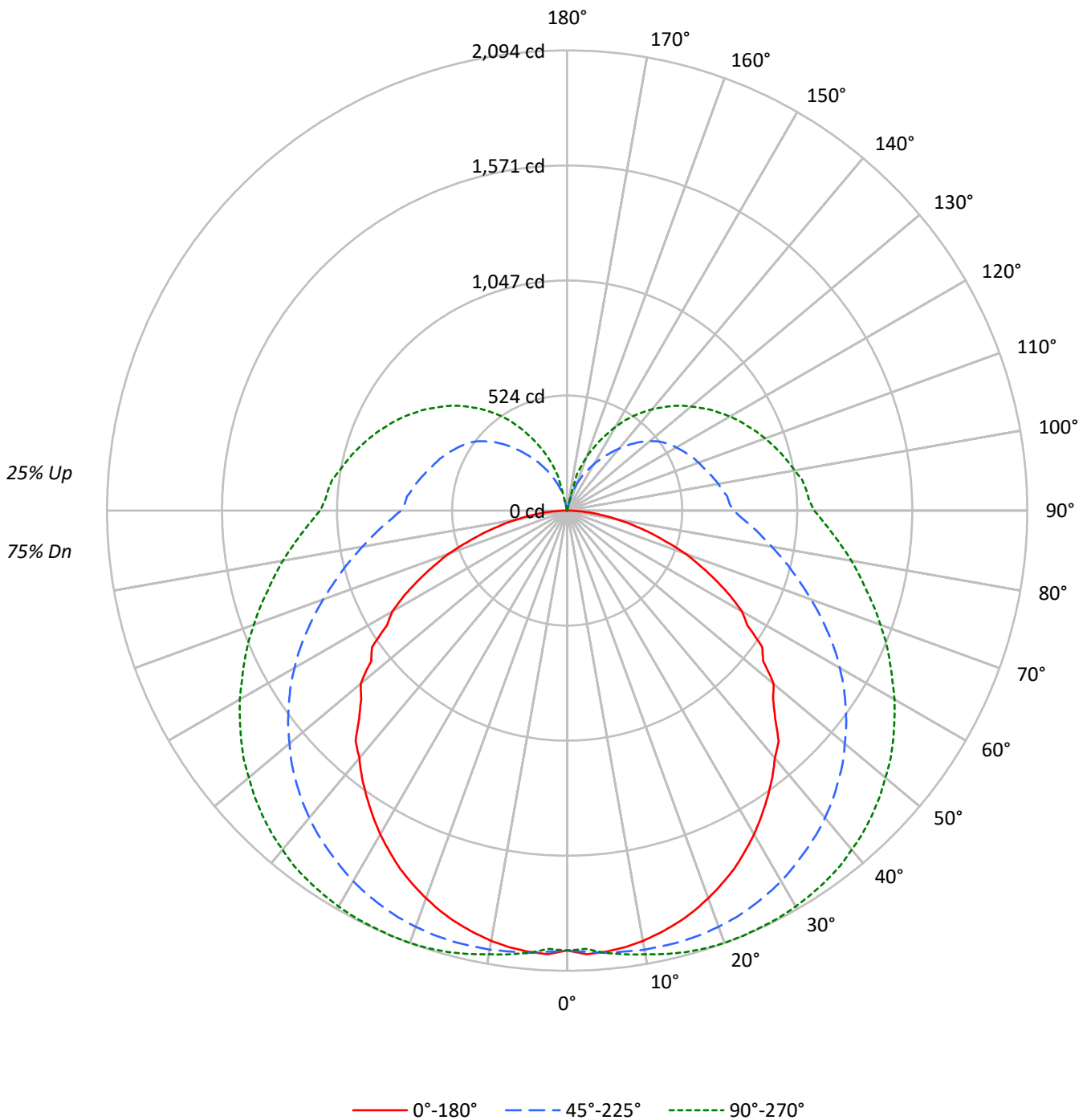
Lumens per Lamp: N/A
Luminaire Lumens: 11527.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 124
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°	8088	8088	8088
5°	8162	8002	7935
10°	8135	7937	7891
15°	8090	7901	7906
20°	8026	7873	7921
25°	7960	7852	7934
30°	7865	7835	7977
35°	7758	7813	8030
40°	7657	7816	8083
45°	7528	7809	8148
50°	7572	7799	8211
55°	7466	7811	8310
60°	7224	7830	8423
65°	6866	7852	8580
70°	6474	7929	8821
75°	5753	8137	9176
80°	4978	8565	9770
85°	3941	9418	10634



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	1.7
10°-20°	570.3	4.9
20°-30°	906.3	7.9
30°-40°	1163.2	10.1
40°-50°	1313.5	11.4
50°-60°	1340.3	11.6
60°-70°	1241.7	10.8
70°-80°	1051.2	9.1
80°-90°	839.1	7.3
90°-100°	712.5	6.2
100°-110°	634.8	5.5
110°-120°	540.7	4.7
120°-130°	429.5	3.7
130°-140°	304.7	2.6
140°-150°	181.9	1.6
150°-160°	84.8	0.7
160°-170°	20.1	0.2
170°-180°	0.0	0.0
0°-30°	1669.0	14.5
0°-40°	2832.2	24.6
0°-60°	5486.0	47.6
0°-90°	8618.0	74.8
90°-120°	1888.1	16.4
90°-150°	2804.1	24.3
90°-180°	2909.0	25.2
0°-180°	11527.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2002	2002	2002	2002	2002	
5°	2015	1999	2021	2021	2021	191
15°	1942	1958	2029	2067	2080	548
25°	1798	1858	1988	2059	2091	828
35°	1590	1706	1891	2007	2056	995
45°	1338	1520	1744	1896	1961	1039
55°	1084	1265	1547	1736	1812	951
65°	742	989	1308	1533	1620	737
75°	390	691	1059	1319	1411	415
85°	100	444	845	1119	1214	109
90°	5	363	756	1029	1124	8
95°	0	341	731	1000	1092	0
105°	0	314	666	918	1008	0
115°	0	292	607	826	907	0
125°	0	252	539	729	799	0
135°	0	187	433	615	672	1
145°	0	122	303	460	526	1
155°	3	76	187	282	349	1
165°	3	41	84	116	165	1
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°	2001.7	2001.7	2001.7	2001.7	2001.7
2.5°	2020.7	1999.0	2009.8	2007.1	1996.3
5°	2015.2	1999.0	2020.7	2020.7	2020.7
7.5°	2004.4	1993.6	2023.4	2034.2	2036.9
10°	1988.2	1988.2	2028.8	2045.0	2050.5
12.5°	1966.5	1974.6	2028.8	2053.2	2066.7
15°	1942.1	1958.4	2028.8	2066.7	2080.2
17.5°	1912.3	1939.4	2023.4	2069.4	2088.4
20°	1877.1	1917.7	2015.2	2069.4	2093.8
22.5°	1839.2	1890.6	2004.4	2064.0	2093.8
25°	1798.5	1858.1	1988.2	2058.6	2091.1
27.5°	1749.8	1825.6	1969.2	2050.5	2088.4
30°	1701.0	1787.7	1947.5	2039.6	2080.2
32.5°	1646.9	1747.1	1920.4	2023.4	2069.4
35°	1590.0	1706.5	1890.6	2007.1	2055.9
37.5°	1533.1	1657.7	1860.8	1985.4	2039.6
40°	1470.8	1608.9	1825.6	1958.4	2015.2
42.5°	1424.8	1557.5	1787.7	1931.3	1990.9
45°	1338.1	1519.6	1744.4	1896.1	1961.1
47.5°	1270.4	1446.4	1701.0	1860.8	1928.6
50°	1227.0	1386.8	1649.6	1820.2	1890.6
52.5°	1124.1	1346.2	1600.8	1779.6	1855.4
55°	1083.5	1264.9	1546.6	1736.2	1812.1
57.5°	972.4	1208.1	1492.5	1687.5	1766.0
60°	918.2	1129.5	1432.9	1638.7	1720.0
62.5°	834.3	1061.8	1373.3	1584.6	1668.5
65°	742.2	988.7	1308.3	1533.1	1619.8
67.5°	655.5	915.5	1246.0	1478.9	1571.0
70°	571.5	839.7	1181.0	1424.8	1516.8
72.5°	474.0	763.8	1118.7	1373.3	1465.4
75°	390.0	690.7	1059.1	1319.1	1411.2
77.5°	308.8	620.3	1002.2	1270.4	1362.5
80°	232.9	552.6	945.3	1218.9	1313.7
82.5°	162.5	495.7	893.9	1170.1	1262.2
85°	100.2	444.2	845.1	1118.7	1213.5
87.5°	46.0	398.2	796.3	1069.9	1167.4
90°	5.4	363.0	755.7	1029.3	1124.1
92.5°	2.7	352.1	739.5	1010.3	1102.4
95°	0.0	341.3	731.3	999.5	1091.6
97.5°	0.0	330.5	712.4	983.2	1078.0
100°	0.0	325.0	698.8	958.9	1051.0
102.5°	0.0	316.9	682.6	937.2	1029.3
105°	0.0	314.2	666.3	918.2	1007.6
107.5°	0.0	308.8	650.1	893.9	983.2
110°	0.0	303.4	636.5	872.2	958.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	298.0	623.0	850.5	934.5
115°	0.0	292.5	606.7	826.1	907.4
117.5°	0.0	284.4	590.5	801.8	883.0
120°	0.0	273.6	574.2	780.1	855.9
122.5°	0.0	262.7	558.0	753.0	826.1
125°	0.0	251.9	539.0	728.6	799.1
127.5°	0.0	235.7	517.4	701.5	766.5
130°	0.0	219.4	490.3	674.5	736.8
132.5°	2.7	203.1	463.2	644.7	707.0
135°	0.0	186.9	433.4	614.9	671.7
137.5°	0.0	173.4	400.9	582.4	636.5
140°	0.0	157.1	368.4	544.4	601.3
142.5°	0.0	138.1	335.9	503.8	563.4
145°	0.0	121.9	303.4	460.5	525.5
147.5°	2.7	108.3	273.6	414.4	484.8
150°	2.7	97.5	243.8	368.4	438.8
152.5°	2.7	86.7	214.0	325.0	392.8
155°	2.7	75.8	186.9	281.7	349.4
157.5°	2.7	65.0	157.1	238.4	303.4
160°	2.7	56.9	130.0	200.4	260.0
162.5°	2.7	48.8	105.6	157.1	214.0
165°	2.7	40.6	84.0	116.5	165.2
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)