

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-LD5-200HL-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-LD5-200HL-SLW-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

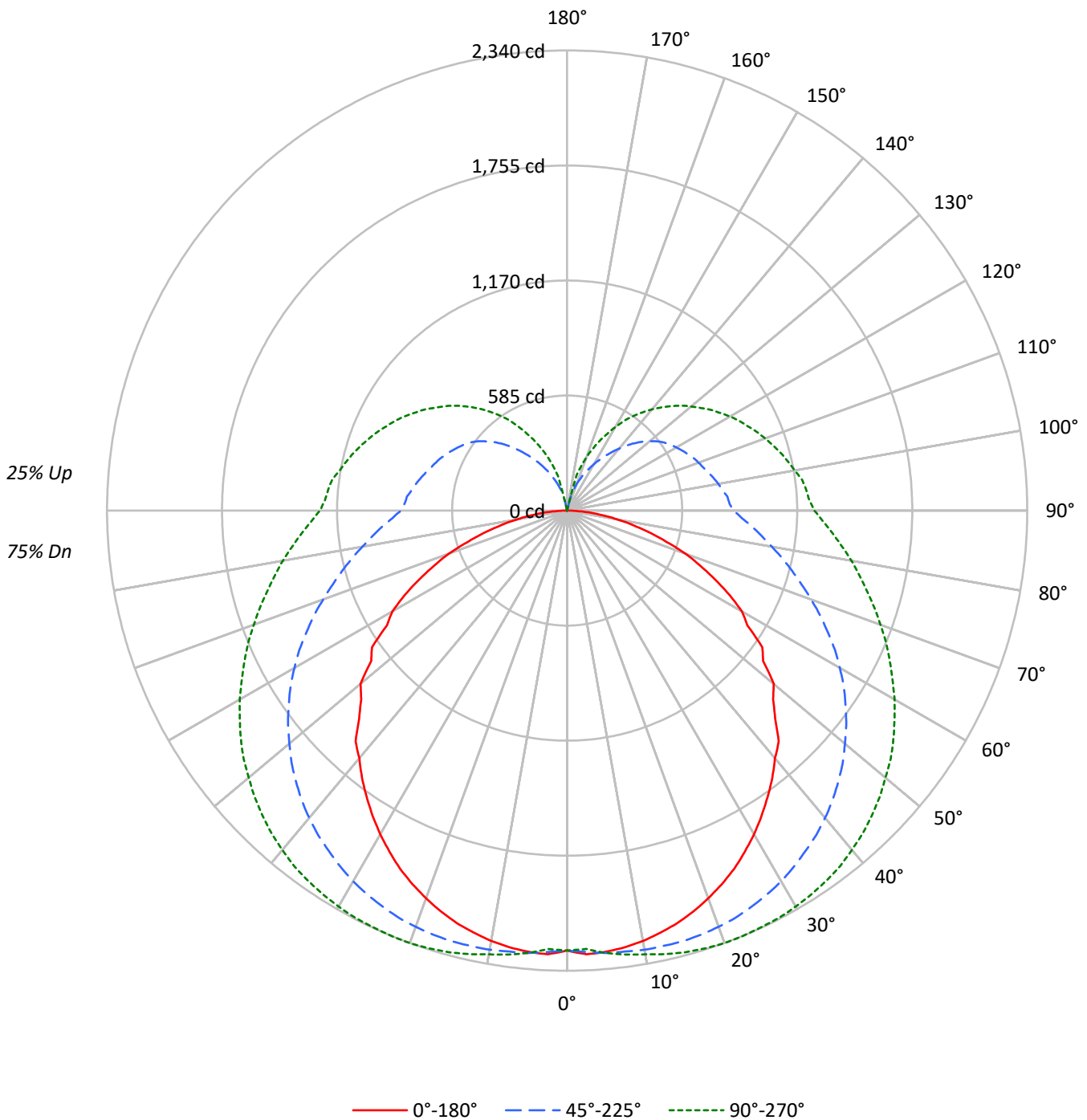
Lumens per Lamp: N/A  
Luminaire Lumens: 12884.0 lumens  
Efficiency: N/A  
Efficacy: 81.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 158  
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°	9040	9040	9040
5°	9124	8944	8869
10°	9092	8871	8819
15°	9042	8831	8837
20°	8970	8800	8853
25°	8898	8776	8868
30°	8791	8758	8916
35°	8671	8733	8975
40°	8559	8736	9035
45°	8415	8728	9106
50°	8464	8718	9178
55°	8345	8730	9288
60°	8075	8752	9415
65°	7673	8777	9590
70°	7236	8862	9860
75°	6431	9096	10256
80°	5566	9574	10920
85°	4405	10526	11885



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.1	1.7
10°-20°	637.4	4.9
20°-30°	1013.0	7.9
30°-40°	1300.1	10.1
40°-50°	1468.2	11.4
50°-60°	1498.1	11.6
60°-70°	1387.8	10.8
70°-80°	1175.0	9.1
80°-90°	937.9	7.3
90°-100°	796.4	6.2
100°-110°	709.6	5.5
110°-120°	604.4	4.7
120°-130°	480.1	3.7
130°-140°	340.5	2.6
140°-150°	203.3	1.6
150°-160°	94.8	0.7
160°-170°	22.5	0.2
170°-180°	0.0	0.0
0°-30°	1865.4	14.5
0°-40°	3165.6	24.6
0°-60°	6131.8	47.6
0°-90°	9632.6	74.8
90°-120°	2110.3	16.4
90°-150°	3134.2	24.3
90°-180°	3251.0	25.2
0°-180°	12884.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2237	2237	2237	2237	2237	
5°	2252	2234	2258	2258	2258	214
15°	2171	2189	2268	2310	2325	612
25°	2010	2077	2222	2301	2337	926
35°	1777	1907	2113	2243	2298	1113
45°	1496	1698	1950	2119	2192	1162
55°	1211	1414	1729	1941	2025	1063
65°	830	1105	1462	1714	1810	823
75°	436	772	1184	1474	1577	464
85°	112	496	945	1250	1356	122
90°	6	406	845	1150	1256	9
95°	0	382	817	1117	1220	0
105°	0	351	745	1026	1126	0
115°	0	327	678	923	1014	0
125°	0	282	602	814	893	0
135°	0	209	484	687	751	1
145°	0	136	339	515	587	1
155°	3	85	209	315	391	1
165°	3	45	94	130	185	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-SLW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2237.3	2237.3	2237.3	2237.3	2237.3
2.5°	2258.5	2234.3	2246.4	2243.4	2231.3
5°	2252.5	2234.3	2258.5	2258.5	2258.5
7.5°	2240.4	2228.3	2261.6	2273.7	2276.7
10°	2222.2	2222.2	2267.6	2285.8	2291.8
12.5°	2198.0	2207.1	2267.6	2294.9	2310.0
15°	2170.7	2188.9	2267.6	2310.0	2325.1
17.5°	2137.4	2167.7	2261.6	2313.0	2334.2
20°	2098.1	2143.5	2252.5	2313.0	2340.3
22.5°	2055.7	2113.2	2240.4	2307.0	2340.3
25°	2010.3	2076.9	2222.2	2300.9	2337.3
27.5°	1955.8	2040.6	2201.0	2291.8	2334.2
30°	1901.3	1998.2	2176.8	2279.7	2325.1
32.5°	1840.7	1952.8	2146.5	2261.6	2313.0
35°	1777.2	1907.3	2113.2	2243.4	2297.9
37.5°	1713.6	1852.8	2079.9	2219.2	2279.7
40°	1643.9	1798.4	2040.6	2188.9	2252.5
42.5°	1592.5	1740.8	1998.2	2158.6	2225.2
45°	1495.6	1698.4	1949.7	2119.3	2191.9
47.5°	1419.9	1616.7	1901.3	2079.9	2155.6
50°	1371.5	1550.1	1843.8	2034.5	2113.2
52.5°	1256.4	1504.7	1789.3	1989.1	2073.9
55°	1211.0	1413.9	1728.7	1940.6	2025.4
57.5°	1086.9	1350.3	1668.2	1886.2	1973.9
60°	1026.3	1262.5	1601.6	1831.7	1922.5
62.5°	932.5	1186.8	1535.0	1771.1	1865.0
65°	829.5	1105.0	1462.3	1713.6	1810.5
67.5°	732.7	1023.3	1392.7	1653.0	1756.0
70°	638.8	938.5	1320.0	1592.5	1695.4
72.5°	529.8	853.8	1250.4	1535.0	1637.9
75°	436.0	772.0	1183.8	1474.4	1577.3
77.5°	345.1	693.3	1120.2	1419.9	1522.8
80°	260.4	617.6	1056.6	1362.4	1468.4
82.5°	181.7	554.0	999.1	1307.9	1410.8
85°	112.0	496.5	944.6	1250.4	1356.3
87.5°	51.5	445.0	890.1	1195.9	1304.9
90°	6.1	405.7	844.7	1150.5	1256.4
92.5°	3.0	393.6	826.5	1129.3	1232.2
95°	0.0	381.5	817.4	1117.2	1220.1
97.5°	0.0	369.4	796.2	1099.0	1205.0
100°	0.0	363.3	781.1	1071.7	1174.7
102.5°	0.0	354.2	762.9	1047.5	1150.5
105°	0.0	351.2	744.8	1026.3	1126.2
107.5°	0.0	345.1	726.6	999.1	1099.0
110°	0.0	339.1	711.5	974.9	1071.7



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CATALOG NUMBER: 8SNLED-LD5-200HL-SLW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	333.0	696.3	950.6	1044.5
115°	0.0	327.0	678.2	923.4	1014.2
117.5°	0.0	317.9	660.0	896.1	987.0
120°	0.0	305.8	641.8	871.9	956.7
122.5°	0.0	293.7	623.7	841.7	923.4
125°	0.0	281.6	602.5	814.4	893.1
127.5°	0.0	263.4	578.3	784.1	856.8
130°	0.0	245.2	548.0	753.9	823.5
132.5°	3.0	227.1	517.7	720.6	790.2
135°	0.0	208.9	484.4	687.2	750.8
137.5°	0.0	193.8	448.1	650.9	711.5
140°	0.0	175.6	411.7	608.5	672.1
142.5°	0.0	154.4	375.4	563.1	629.7
145°	0.0	136.2	339.1	514.7	587.3
147.5°	3.0	121.1	305.8	463.2	541.9
150°	3.0	109.0	272.5	411.7	490.5
152.5°	3.0	96.9	239.2	363.3	439.0
155°	3.0	84.8	208.9	314.9	390.6
157.5°	3.0	72.7	175.6	266.4	339.1
160°	3.0	63.6	145.3	224.0	290.6
162.5°	3.0	54.5	118.1	175.6	239.2
165°	3.0	45.4	93.9	130.2	184.7
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)