

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-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-LD5-200HL-SLW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

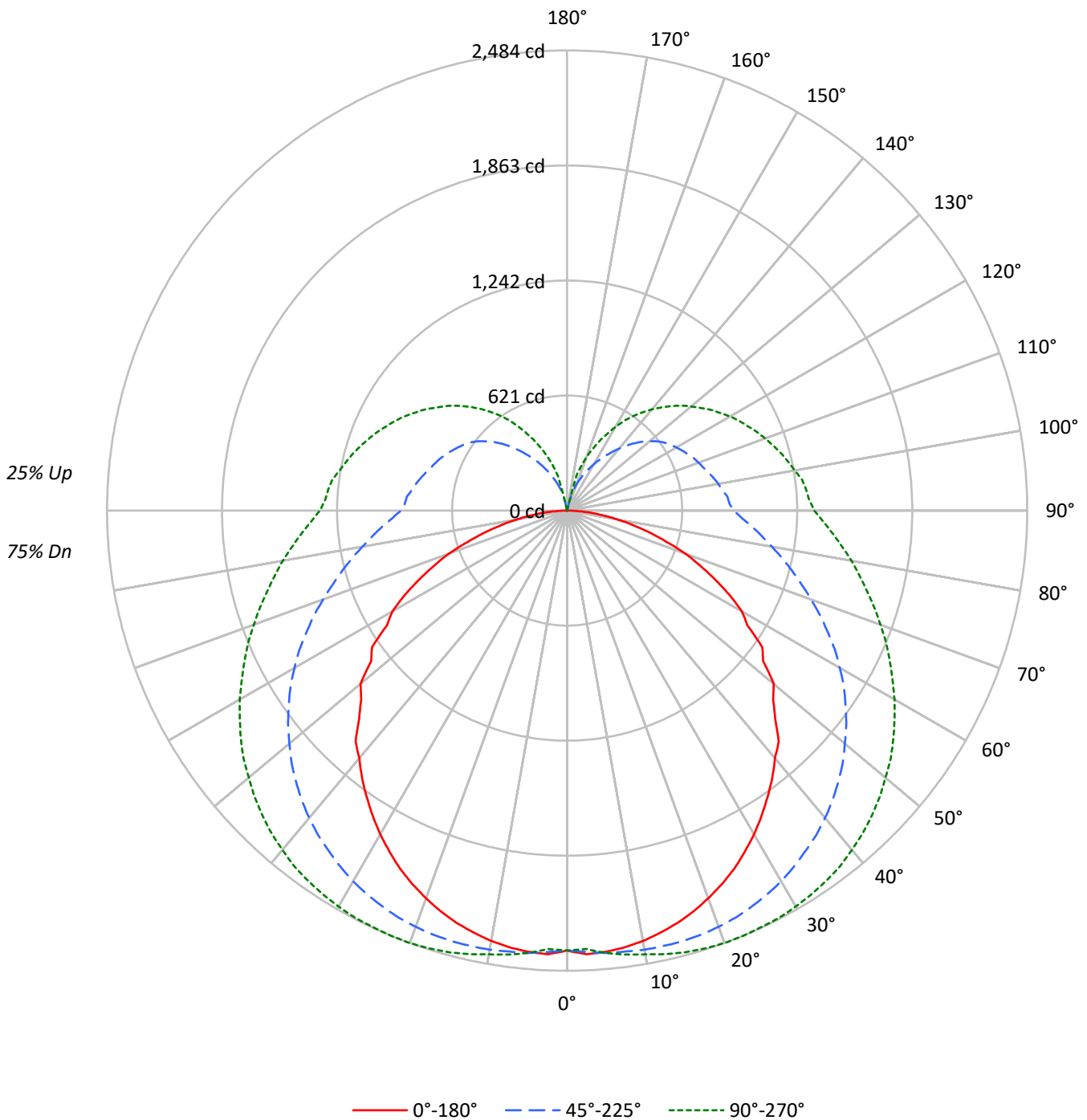
Lumens per Lamp: N/A
Luminaire Lumens: 13676.0 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 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°	9596	9596	9596
5°	9684	9494	9415
10°	9651	9416	9361
15°	9598	9374	9381
20°	9522	9341	9397
25°	9445	9315	9413
30°	9332	9296	9464
35°	9204	9270	9527
40°	9085	9273	9590
45°	8932	9265	9667
50°	8984	9253	9742
55°	8858	9267	9859
60°	8571	9289	9993
65°	8145	9316	10179
70°	7681	9407	10466
75°	6827	9654	10887
80°	5908	10163	11591
85°	4677	11174	12616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.3	1.7
10°-20°	676.6	4.9
20°-30°	1075.3	7.9
30°-40°	1380.1	10.1
40°-50°	1558.4	11.4
50°-60°	1590.2	11.6
60°-70°	1473.1	10.8
70°-80°	1247.2	9.1
80°-90°	995.6	7.3
90°-100°	845.4	6.2
100°-110°	753.2	5.5
110°-120°	641.5	4.7
120°-130°	509.6	3.7
130°-140°	361.4	2.6
140°-150°	215.8	1.6
150°-160°	100.6	0.7
160°-170°	23.9	0.2
170°-180°	0.0	0.0
0°-30°	1980.1	14.5
0°-40°	3360.2	24.6
0°-60°	6508.7	47.6
0°-90°	10224.7	74.8
90°-120°	2240.1	16.4
90°-150°	3326.9	24.3
90°-180°	3451.0	25.2
0°-180°	13676.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2375	2375	2375	2375	2375	
5°	2391	2372	2397	2397	2397	227
15°	2304	2324	2407	2452	2468	650
25°	2134	2205	2359	2442	2481	982
35°	1886	2025	2243	2381	2439	1181
45°	1588	1803	2070	2250	2327	1233
55°	1286	1501	1835	2060	2150	1129
65°	880	1173	1552	1819	1922	874
75°	463	820	1256	1565	1674	493
85°	119	527	1003	1327	1440	130
90°	6	431	897	1221	1334	10
95°	0	405	868	1186	1295	0
105°	0	373	791	1089	1196	0
115°	0	347	720	980	1077	0
125°	0	299	640	864	948	0
135°	0	222	514	730	797	1
145°	0	145	360	546	623	1
155°	3	90	222	334	415	1
165°	3	48	100	138	196	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2374.9	2374.9	2374.9	2374.9	2374.9
2.5°	2397.4	2371.7	2384.5	2381.3	2368.5
5°	2390.9	2371.7	2397.4	2397.4	2397.4
7.5°	2378.1	2365.2	2400.6	2413.4	2416.7
10°	2358.8	2358.8	2407.0	2426.3	2432.7
12.5°	2333.1	2342.7	2407.0	2435.9	2452.0
15°	2304.2	2323.5	2407.0	2452.0	2468.1
17.5°	2268.8	2301.0	2400.6	2455.2	2477.7
20°	2227.1	2275.3	2390.9	2455.2	2484.1
22.5°	2182.1	2243.1	2378.1	2448.8	2484.1
25°	2133.9	2204.6	2358.8	2442.4	2480.9
27.5°	2076.0	2166.0	2336.3	2432.7	2477.7
30°	2018.2	2121.0	2310.6	2419.9	2468.1
32.5°	1953.9	2072.8	2278.5	2400.6	2455.2
35°	1886.4	2024.6	2243.1	2381.3	2439.2
37.5°	1818.9	1966.7	2207.8	2355.6	2419.9
40°	1745.0	1908.9	2166.0	2323.5	2390.9
42.5°	1690.4	1847.8	2121.0	2291.3	2362.0
45°	1587.5	1802.9	2069.6	2249.5	2326.7
47.5°	1507.2	1716.1	2018.2	2207.8	2288.1
50°	1455.8	1645.4	1957.1	2159.6	2243.1
52.5°	1333.7	1597.2	1899.3	2111.4	2201.3
55°	1285.5	1500.8	1835.0	2059.9	2149.9
57.5°	1153.7	1433.3	1770.7	2002.1	2095.3
60°	1089.4	1340.1	1700.0	1944.3	2040.7
62.5°	989.8	1259.7	1629.3	1880.0	1979.6
65°	880.5	1173.0	1552.2	1818.9	1921.8
67.5°	777.7	1086.2	1478.3	1754.6	1863.9
70°	678.1	996.2	1401.1	1690.4	1799.6
72.5°	562.4	906.2	1327.2	1629.3	1738.6
75°	462.8	819.5	1256.5	1565.0	1674.3
77.5°	366.4	735.9	1189.0	1507.2	1616.5
80°	276.4	655.6	1121.6	1446.1	1558.6
82.5°	192.8	588.1	1060.5	1388.3	1497.6
85°	118.9	527.0	1002.7	1327.2	1439.7
87.5°	54.6	472.4	944.8	1269.4	1385.1
90°	6.4	430.6	896.6	1221.2	1333.7
92.5°	3.2	417.8	877.3	1198.7	1308.0
95°	0.0	404.9	867.7	1185.8	1295.1
97.5°	0.0	392.1	845.2	1166.6	1279.0
100°	0.0	385.6	829.1	1137.6	1246.9
102.5°	0.0	376.0	809.8	1111.9	1221.2
105°	0.0	372.8	790.6	1089.4	1195.5
107.5°	0.0	366.4	771.3	1060.5	1166.6
110°	0.0	359.9	755.2	1034.8	1137.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	353.5	739.1	1009.1	1108.7
115°	0.0	347.1	719.9	980.2	1076.6
117.5°	0.0	337.4	700.6	951.2	1047.6
120°	0.0	324.6	681.3	925.5	1015.5
122.5°	0.0	311.7	662.0	893.4	980.2
125°	0.0	298.9	639.5	864.5	948.0
127.5°	0.0	279.6	613.8	832.3	909.5
130°	0.0	260.3	581.7	800.2	874.1
132.5°	3.2	241.0	549.5	764.8	838.8
135°	0.0	221.7	514.2	729.5	797.0
137.5°	0.0	205.7	475.6	690.9	755.2
140°	0.0	186.4	437.1	645.9	713.4
142.5°	0.0	163.9	398.5	597.7	668.4
145°	0.0	144.6	359.9	546.3	623.4
147.5°	3.2	128.5	324.6	491.7	575.2
150°	3.2	115.7	289.2	437.1	520.6
152.5°	3.2	102.8	253.9	385.6	466.0
155°	3.2	90.0	221.7	334.2	414.6
157.5°	3.2	77.1	186.4	282.8	359.9
160°	3.2	67.5	154.3	237.8	308.5
162.5°	3.2	57.8	125.3	186.4	253.9
165°	3.2	48.2	99.6	138.2	196.0
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)