

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

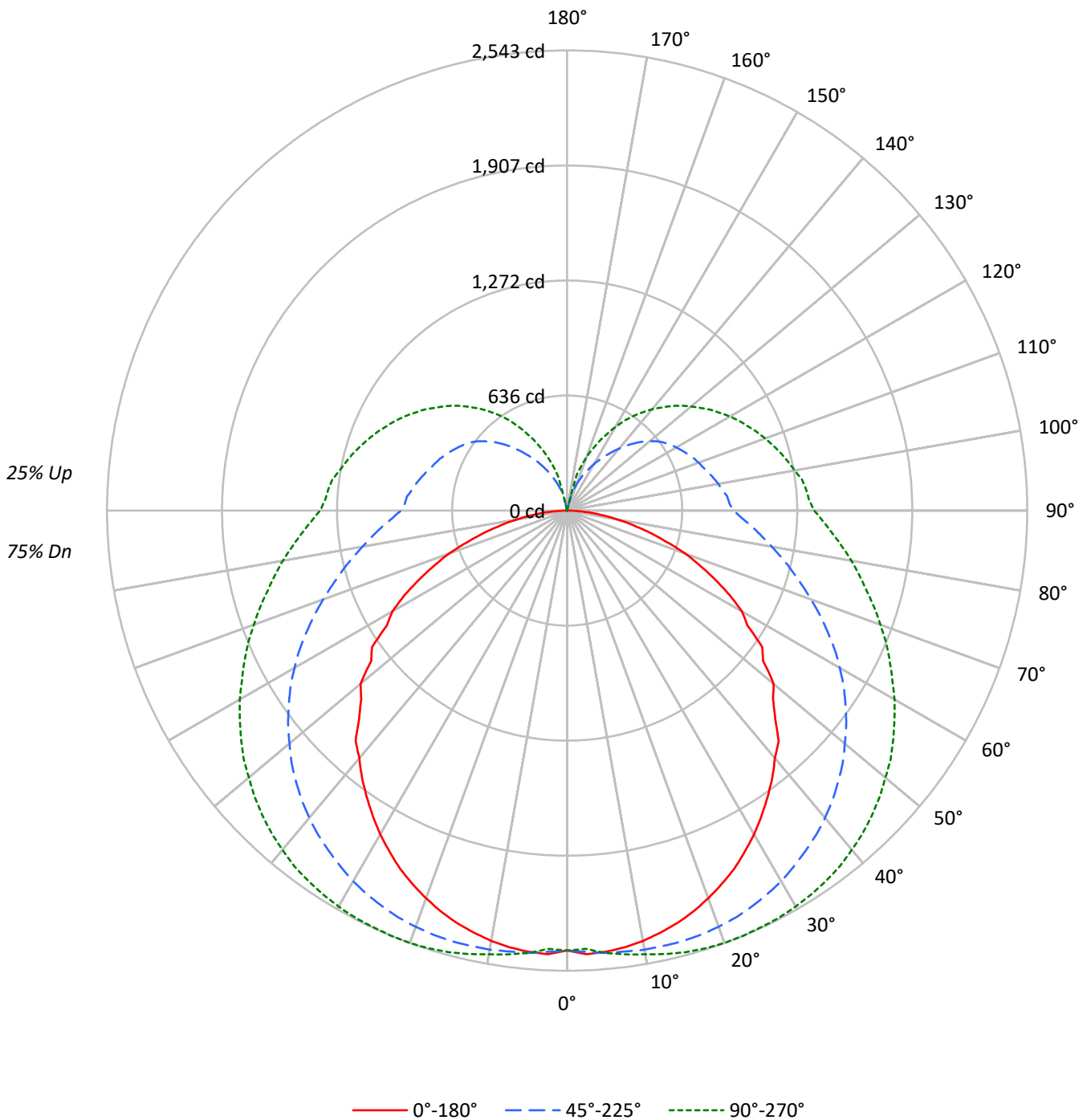
Lumens per Lamp: N/A
Luminaire Lumens: 13999.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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°	9822	9822	9822
5°	9913	9718	9637
10°	9879	9639	9583
15°	9825	9596	9602
20°	9746	9561	9619
25°	9668	9535	9635
30°	9552	9516	9688
35°	9422	9489	9752
40°	9299	9492	9817
45°	9143	9483	9895
50°	9196	9472	9972
55°	9067	9486	10092
60°	8774	9509	10230
65°	8338	9536	10419
70°	7862	9629	10713
75°	6988	9882	11144
80°	6047	10402	11864
85°	4787	11437	12914



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.7	1.7
10°-20°	692.5	4.9
20°-30°	1100.7	7.9
30°-40°	1412.7	10.1
40°-50°	1595.2	11.4
50°-60°	1627.7	11.6
60°-70°	1508.0	10.8
70°-80°	1276.6	9.1
80°-90°	1019.1	7.3
90°-100°	865.3	6.2
100°-110°	771.0	5.5
110°-120°	656.7	4.7
120°-130°	521.6	3.7
130°-140°	370.0	2.6
140°-150°	220.9	1.6
150°-160°	103.0	0.7
160°-170°	24.4	0.2
170°-180°	0.0	0.0
0°-30°	2026.9	14.5
0°-40°	3439.5	24.6
0°-60°	6662.4	47.6
0°-90°	10466.1	74.8
90°-120°	2293.0	16.4
90°-150°	3405.4	24.3
90°-180°	3533.0	25.2
0°-180°	13999.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2431	2431	2431	2431	2431	
5°	2447	2428	2454	2454	2454	232
15°	2359	2378	2464	2510	2526	665
25°	2184	2257	2414	2500	2540	1006
35°	1931	2072	2296	2438	2497	1209
45°	1625	1845	2118	2303	2382	1262
55°	1316	1536	1878	2109	2201	1155
65°	901	1201	1589	1862	1967	894
75°	474	839	1286	1602	1714	504
85°	122	540	1026	1359	1474	133
90°	7	441	918	1250	1365	10
95°	0	414	888	1214	1326	0
105°	0	382	809	1115	1224	0
115°	0	355	737	1003	1102	0
125°	0	306	655	885	970	0
135°	0	227	526	747	816	1
145°	0	148	368	559	638	1
155°	3	92	227	342	424	2
165°	3	49	102	142	201	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-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2431.0	2431.0	2431.0	2431.0	2431.0
2.5°	2454.0	2427.7	2440.8	2437.5	2424.4
5°	2447.4	2427.7	2454.0	2454.0	2454.0
7.5°	2434.3	2421.1	2457.3	2470.4	2473.7
10°	2414.5	2414.5	2463.9	2483.6	2490.2
12.5°	2388.2	2398.1	2463.9	2493.5	2509.9
15°	2358.6	2378.3	2463.9	2509.9	2526.4
17.5°	2322.4	2355.3	2457.3	2513.2	2536.2
20°	2279.6	2329.0	2447.4	2513.2	2542.8
22.5°	2233.6	2296.1	2434.3	2506.6	2542.8
25°	2184.3	2256.6	2414.5	2500.0	2539.5
27.5°	2125.0	2217.1	2391.5	2490.2	2536.2
30°	2065.8	2171.1	2365.2	2477.0	2526.4
32.5°	2000.0	2121.8	2332.3	2457.3	2513.2
35°	1931.0	2072.4	2296.1	2437.5	2496.8
37.5°	1861.9	2013.2	2259.9	2411.2	2477.0
40°	1786.2	1954.0	2217.1	2378.3	2447.4
42.5°	1730.3	1891.5	2171.1	2345.4	2417.8
45°	1625.0	1845.4	2118.5	2302.7	2381.6
47.5°	1542.8	1756.6	2065.8	2259.9	2342.2
50°	1490.2	1684.2	2003.3	2210.6	2296.1
52.5°	1365.2	1634.9	1944.1	2161.2	2253.3
55°	1315.8	1536.2	1878.3	2108.6	2200.7
57.5°	1180.9	1467.1	1812.5	2049.4	2144.8
60°	1115.2	1371.7	1740.2	1990.2	2088.9
62.5°	1013.2	1289.5	1667.8	1924.4	2026.4
65°	901.3	1200.7	1588.8	1861.9	1967.1
67.5°	796.1	1111.9	1513.2	1796.1	1907.9
70°	694.1	1019.8	1434.2	1730.3	1842.1
72.5°	575.7	927.6	1358.6	1667.8	1779.6
75°	473.7	838.8	1286.2	1602.0	1713.8
77.5°	375.0	753.3	1217.1	1542.8	1654.6
80°	282.9	671.1	1148.0	1480.3	1595.4
82.5°	197.4	602.0	1085.5	1421.1	1532.9
85°	121.7	539.5	1026.3	1358.6	1473.7
87.5°	55.9	483.6	967.1	1299.4	1417.8
90°	6.6	440.8	917.8	1250.0	1365.2
92.5°	3.3	427.6	898.0	1227.0	1338.8
95°	0.0	414.5	888.2	1213.8	1325.7
97.5°	0.0	401.3	865.1	1194.1	1309.2
100°	0.0	394.7	848.7	1164.5	1276.3
102.5°	0.0	384.9	829.0	1138.2	1250.0
105°	0.0	381.6	809.2	1115.2	1223.7
107.5°	0.0	375.0	789.5	1085.5	1194.1
110°	0.0	368.4	773.0	1059.2	1164.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	361.8	756.6	1032.9	1134.9
115°	0.0	355.3	736.9	1003.3	1102.0
117.5°	0.0	345.4	717.1	973.7	1072.4
120°	0.0	332.2	697.4	947.4	1039.5
122.5°	0.0	319.1	677.6	914.5	1003.3
125°	0.0	305.9	654.6	884.9	970.4
127.5°	0.0	286.2	628.3	852.0	930.9
130°	0.0	266.5	595.4	819.1	894.8
132.5°	3.3	246.7	562.5	782.9	858.6
135°	0.0	227.0	526.3	746.7	815.8
137.5°	0.0	210.5	486.9	707.3	773.0
140°	0.0	190.8	447.4	661.2	730.3
142.5°	0.0	167.8	407.9	611.9	684.2
145°	0.0	148.0	368.4	559.2	638.2
147.5°	3.3	131.6	332.2	503.3	588.8
150°	3.3	118.4	296.1	447.4	532.9
152.5°	3.3	105.3	259.9	394.7	477.0
155°	3.3	92.1	227.0	342.1	424.4
157.5°	3.3	78.9	190.8	289.5	368.4
160°	3.3	69.1	157.9	243.4	315.8
162.5°	3.3	59.2	128.3	190.8	259.9
165°	3.3	49.3	102.0	141.5	200.7
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)