

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-L950-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-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

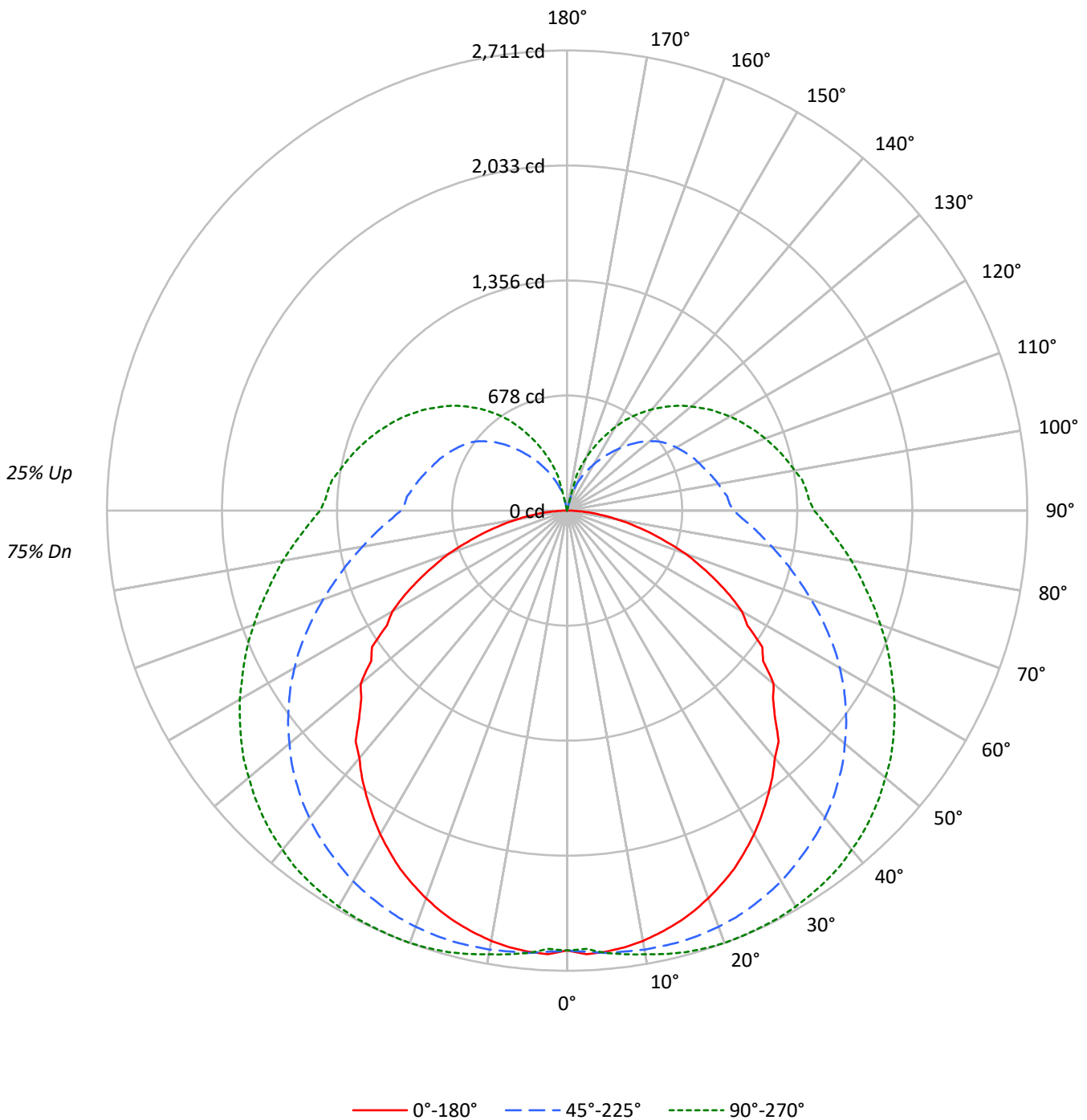
Lumens per Lamp: N/A
Luminaire Lumens: 14923.0 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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°	10471	10471	10471
5°	10568	10360	10273
10°	10531	10275	10215
15°	10474	10229	10236
20°	10390	10193	10254
25°	10305	10165	10271
30°	10183	10144	10327
35°	10043	10115	10396
40°	9913	10119	10465
45°	9746	10109	10548
50°	9803	10097	10630
55°	9666	10112	10759
60°	9354	10136	10904
65°	8888	10166	11107
70°	8381	10265	11420
75°	7449	10535	11880
80°	6446	11089	12648
85°	5102	12192	13766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.1	1.7
10°-20°	738.3	4.9
20°-30°	1173.3	7.9
30°-40°	1505.9	10.1
40°-50°	1700.5	11.4
50°-60°	1735.1	11.6
60°-70°	1607.5	10.8
70°-80°	1360.9	9.1
80°-90°	1086.4	7.3
90°-100°	922.5	6.2
100°-110°	821.9	5.5
110°-120°	700.0	4.7
120°-130°	556.0	3.7
130°-140°	394.4	2.6
140°-150°	235.5	1.6
150°-160°	109.8	0.7
160°-170°	26.1	0.2
170°-180°	0.0	0.0
0°-30°	2160.7	14.5
0°-40°	3666.6	24.6
0°-60°	7102.2	47.6
0°-90°	11157.0	74.8
90°-120°	2444.3	16.4
90°-150°	3630.2	24.3
90°-180°	3766.0	25.2
0°-180°	14923.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2591	2591	2591	2591	2591	
5°	2609	2588	2616	2616	2616	248
15°	2514	2535	2626	2676	2693	709
25°	2328	2406	2574	2665	2707	1072
35°	2058	2209	2448	2598	2662	1289
45°	1732	1967	2258	2455	2539	1345
55°	1403	1638	2002	2248	2346	1231
65°	961	1280	1694	1985	2097	953
75°	505	894	1371	1708	1827	538
85°	130	575	1094	1448	1571	142
90°	7	470	978	1332	1455	11
95°	0	442	947	1294	1413	0
105°	0	407	863	1189	1304	0
115°	0	379	786	1070	1175	0
125°	0	326	698	943	1034	0
135°	0	242	561	796	870	1
145°	0	158	393	596	680	1
155°	4	98	242	365	452	2
165°	4	53	109	151	214	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-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2591.4	2591.4	2591.4	2591.4	2591.4
2.5°	2616.0	2587.9	2601.9	2598.4	2584.4
5°	2609.0	2587.9	2616.0	2616.0	2616.0
7.5°	2594.9	2580.9	2619.5	2633.5	2637.0
10°	2573.9	2573.9	2626.5	2647.5	2654.5
12.5°	2545.8	2556.4	2626.5	2658.0	2675.6
15°	2514.3	2535.3	2626.5	2675.6	2693.1
17.5°	2475.7	2510.8	2619.5	2679.1	2703.6
20°	2430.1	2482.7	2609.0	2679.1	2710.6
22.5°	2381.0	2447.6	2594.9	2672.1	2710.6
25°	2328.4	2405.6	2573.9	2665.1	2707.1
27.5°	2265.3	2363.5	2549.3	2654.5	2703.6
30°	2202.2	2314.4	2521.3	2640.5	2693.1
32.5°	2132.1	2261.8	2486.2	2619.5	2679.1
35°	2058.4	2209.2	2447.6	2598.4	2661.6
37.5°	1984.8	2146.1	2409.1	2570.4	2640.5
40°	1904.1	2083.0	2363.5	2535.3	2609.0
42.5°	1844.5	2016.3	2314.4	2500.2	2577.4
45°	1732.3	1967.2	2258.3	2454.7	2538.8
47.5°	1644.6	1872.6	2202.2	2409.1	2496.7
50°	1588.5	1795.4	2135.6	2356.5	2447.6
52.5°	1455.3	1742.8	2072.4	2303.9	2402.1
55°	1402.7	1637.6	2002.3	2247.8	2346.0
57.5°	1258.9	1564.0	1932.2	2184.7	2286.3
60°	1188.8	1462.3	1855.0	2121.5	2226.7
62.5°	1080.1	1374.6	1777.9	2051.4	2160.1
65°	960.8	1279.9	1693.7	1984.8	2097.0
67.5°	848.6	1185.3	1613.1	1914.6	2033.9
70°	739.9	1087.1	1528.9	1844.5	1963.7
72.5°	613.7	988.9	1448.3	1777.9	1897.1
75°	505.0	894.2	1371.1	1707.7	1827.0
77.5°	399.8	803.0	1297.5	1644.6	1763.9
80°	301.6	715.4	1223.8	1578.0	1700.7
82.5°	210.4	641.7	1157.2	1514.9	1634.1
85°	129.7	575.1	1094.1	1448.3	1571.0
87.5°	59.6	515.5	1031.0	1385.1	1511.4
90°	7.0	469.9	978.4	1332.5	1455.3
92.5°	3.5	455.9	957.3	1308.0	1427.2
95°	0.0	441.8	946.8	1294.0	1413.2
97.5°	0.0	427.8	922.3	1272.9	1395.7
100°	0.0	420.8	904.7	1241.4	1360.6
102.5°	0.0	410.3	883.7	1213.3	1332.5
105°	0.0	406.8	862.6	1188.8	1304.5
107.5°	0.0	399.8	841.6	1157.2	1272.9
110°	0.0	392.7	824.1	1129.1	1241.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	385.7	806.5	1101.1	1209.8
115°	0.0	378.7	785.5	1069.5	1174.7
117.5°	0.0	368.2	764.5	1038.0	1143.2
120°	0.0	354.2	743.4	1009.9	1108.1
122.5°	0.0	340.1	722.4	974.9	1069.5
125°	0.0	326.1	697.8	943.3	1034.5
127.5°	0.0	305.1	669.8	908.2	992.4
130°	0.0	284.0	634.7	873.2	953.8
132.5°	3.5	263.0	599.6	834.6	915.2
135°	0.0	242.0	561.1	796.0	869.7
137.5°	0.0	224.4	519.0	753.9	824.1
140°	0.0	203.4	476.9	704.8	778.5
142.5°	0.0	178.8	434.8	652.2	729.4
145°	0.0	157.8	392.7	596.1	680.3
147.5°	3.5	140.3	354.2	536.5	627.7
150°	3.5	126.2	315.6	476.9	568.1
152.5°	3.5	112.2	277.0	420.8	508.5
155°	3.5	98.2	242.0	364.7	452.4
157.5°	3.5	84.2	203.4	308.6	392.7
160°	3.5	73.6	168.3	259.5	336.6
162.5°	3.5	63.1	136.8	203.4	277.0
165°	3.5	52.6	108.7	150.8	213.9
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)