

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-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-LD5-170HL-SLW-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

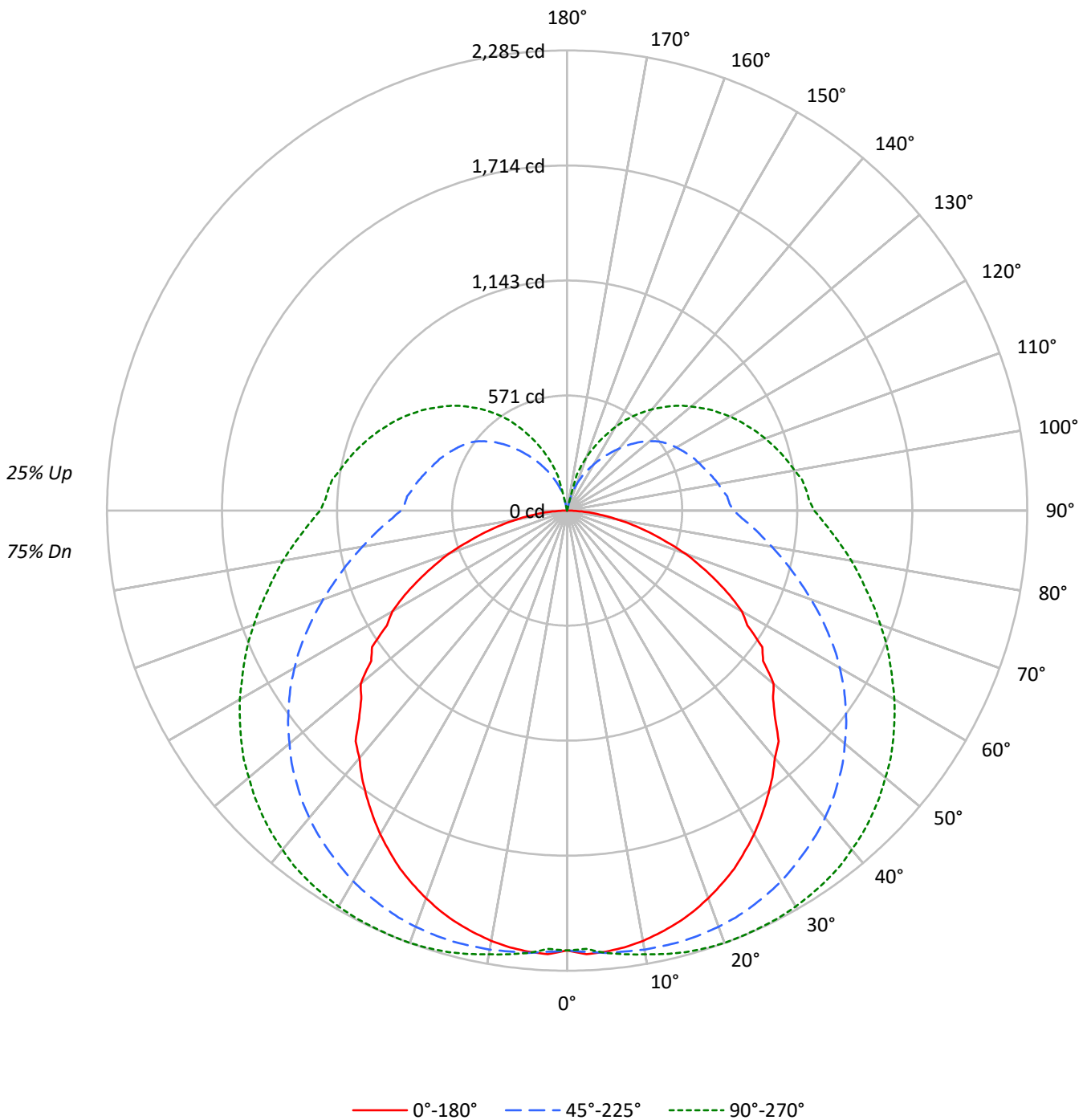
Lumens per Lamp: N/A
Luminaire Lumens: 12578.0 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 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	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°	8825	8825	8825
5°	8907	8732	8659
10°	8876	8661	8610
15°	8828	8622	8627
20°	8757	8591	8643
25°	8686	8567	8657
30°	8582	8550	8704
35°	8465	8525	8762
40°	8356	8529	8820
45°	8215	8521	8890
50°	8262	8510	8960
55°	8146	8523	9068
60°	7884	8543	9191
65°	7491	8568	9362
70°	7064	8652	9626
75°	6278	8879	10013
80°	5433	9346	10660
85°	4303	10277	11603



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.9	1.7
10°-20°	622.2	4.9
20°-30°	988.9	7.9
30°-40°	1269.3	10.1
40°-50°	1433.3	11.4
50°-60°	1462.5	11.6
60°-70°	1354.9	10.8
70°-80°	1147.1	9.1
80°-90°	915.7	7.3
90°-100°	777.5	6.2
100°-110°	692.7	5.5
110°-120°	590.0	4.7
120°-130°	468.6	3.7
130°-140°	332.4	2.6
140°-150°	198.5	1.6
150°-160°	92.5	0.7
160°-170°	22.0	0.2
170°-180°	0.0	0.0
0°-30°	1821.1	14.5
0°-40°	3090.4	24.6
0°-60°	5986.2	47.6
0°-90°	9403.8	74.8
90°-120°	2060.2	16.4
90°-150°	3059.8	24.3
90°-180°	3174.0	25.2
0°-180°	12578.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2184	2184	2184	2184	2184	
5°	2199	2181	2205	2205	2205	209
15°	2119	2137	2214	2255	2270	598
25°	1962	2028	2169	2246	2282	904
35°	1735	1862	2063	2190	2243	1086
45°	1460	1658	1903	2069	2140	1134
55°	1182	1380	1688	1895	1977	1038
65°	810	1079	1428	1673	1768	804
75°	426	754	1156	1439	1540	453
85°	109	485	922	1221	1324	119
90°	6	396	825	1123	1227	9
95°	0	372	798	1091	1191	0
105°	0	343	727	1002	1100	0
115°	0	319	662	902	990	0
125°	0	275	588	795	872	0
135°	0	204	473	671	733	1
145°	0	133	331	502	573	1
155°	3	83	204	307	381	1
165°	3	44	92	127	180	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°	2184.2	2184.2	2184.2	2184.2	2184.2
2.5°	2204.9	2181.3	2193.1	2190.1	2178.3
5°	2199.0	2181.3	2204.9	2204.9	2204.9
7.5°	2187.2	2175.3	2207.9	2219.7	2222.6
10°	2169.4	2169.4	2213.8	2231.5	2237.4
12.5°	2145.8	2154.7	2213.8	2240.4	2255.1
15°	2119.2	2136.9	2213.8	2255.1	2269.9
17.5°	2086.7	2116.2	2207.9	2258.1	2278.8
20°	2048.2	2092.6	2199.0	2258.1	2284.7
22.5°	2006.9	2063.0	2187.2	2252.2	2284.7
25°	1962.5	2027.6	2169.4	2246.3	2281.7
27.5°	1909.3	1992.1	2148.7	2237.4	2278.8
30°	1856.1	1950.7	2125.1	2225.6	2269.9
32.5°	1797.0	1906.4	2095.5	2207.9	2258.1
35°	1735.0	1862.0	2063.0	2190.1	2243.3
37.5°	1672.9	1808.8	2030.5	2166.5	2225.6
40°	1604.9	1755.6	1992.1	2136.9	2199.0
42.5°	1554.7	1699.5	1950.7	2107.4	2172.4
45°	1460.1	1658.1	1903.4	2068.9	2139.9
47.5°	1386.2	1578.3	1856.1	2030.5	2104.4
50°	1338.9	1513.3	1800.0	1986.2	2063.0
52.5°	1226.6	1468.9	1746.8	1941.8	2024.6
55°	1182.2	1380.3	1687.7	1894.6	1977.3
57.5°	1061.1	1318.2	1628.5	1841.4	1927.1
60°	1002.0	1232.5	1563.5	1788.2	1876.8
62.5°	910.3	1158.6	1498.5	1729.0	1820.7
65°	809.8	1078.8	1427.6	1672.9	1767.5
67.5°	715.3	999.0	1359.6	1613.8	1714.3
70°	623.6	916.2	1288.7	1554.7	1655.1
72.5°	517.2	833.5	1220.7	1498.5	1599.0
75°	425.6	753.7	1155.6	1439.4	1539.9
77.5°	336.9	676.8	1093.6	1386.2	1486.7
80°	254.2	602.9	1031.5	1330.0	1433.5
82.5°	177.3	540.9	975.4	1276.8	1377.3
85°	109.4	484.7	922.2	1220.7	1324.1
87.5°	50.2	434.5	869.0	1167.5	1273.9
90°	5.9	396.1	824.6	1123.1	1226.6
92.5°	3.0	384.2	806.9	1102.4	1202.9
95°	0.0	372.4	798.0	1090.6	1191.1
97.5°	0.0	360.6	777.3	1072.9	1176.3
100°	0.0	354.7	762.6	1046.3	1146.8
102.5°	0.0	345.8	744.8	1022.6	1123.1
105°	0.0	342.9	727.1	1002.0	1099.5
107.5°	0.0	336.9	709.3	975.4	1072.9
110°	0.0	331.0	694.6	951.7	1046.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	325.1	679.8	928.1	1019.7
115°	0.0	319.2	662.1	901.5	990.1
117.5°	0.0	310.3	644.3	874.9	963.5
120°	0.0	298.5	626.6	851.2	934.0
122.5°	0.0	286.7	608.9	821.7	901.5
125°	0.0	274.9	588.2	795.1	871.9
127.5°	0.0	257.1	564.5	765.5	836.4
130°	0.0	239.4	535.0	736.0	803.9
132.5°	3.0	221.7	505.4	703.4	771.4
135°	0.0	203.9	472.9	670.9	733.0
137.5°	0.0	189.2	437.4	635.5	694.6
140°	0.0	171.4	402.0	594.1	656.1
142.5°	0.0	150.7	366.5	549.7	614.8
145°	0.0	133.0	331.0	502.5	573.4
147.5°	3.0	118.2	298.5	452.2	529.1
150°	3.0	106.4	266.0	402.0	478.8
152.5°	3.0	94.6	233.5	354.7	428.6
155°	3.0	82.8	203.9	307.4	381.3
157.5°	3.0	70.9	171.4	260.1	331.0
160°	3.0	62.1	141.9	218.7	283.7
162.5°	3.0	53.2	115.3	171.4	233.5
165°	3.0	44.3	91.6	127.1	180.3
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)