

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-LD5-60SL-SLC-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 (P27404)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-60SL-SLC-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

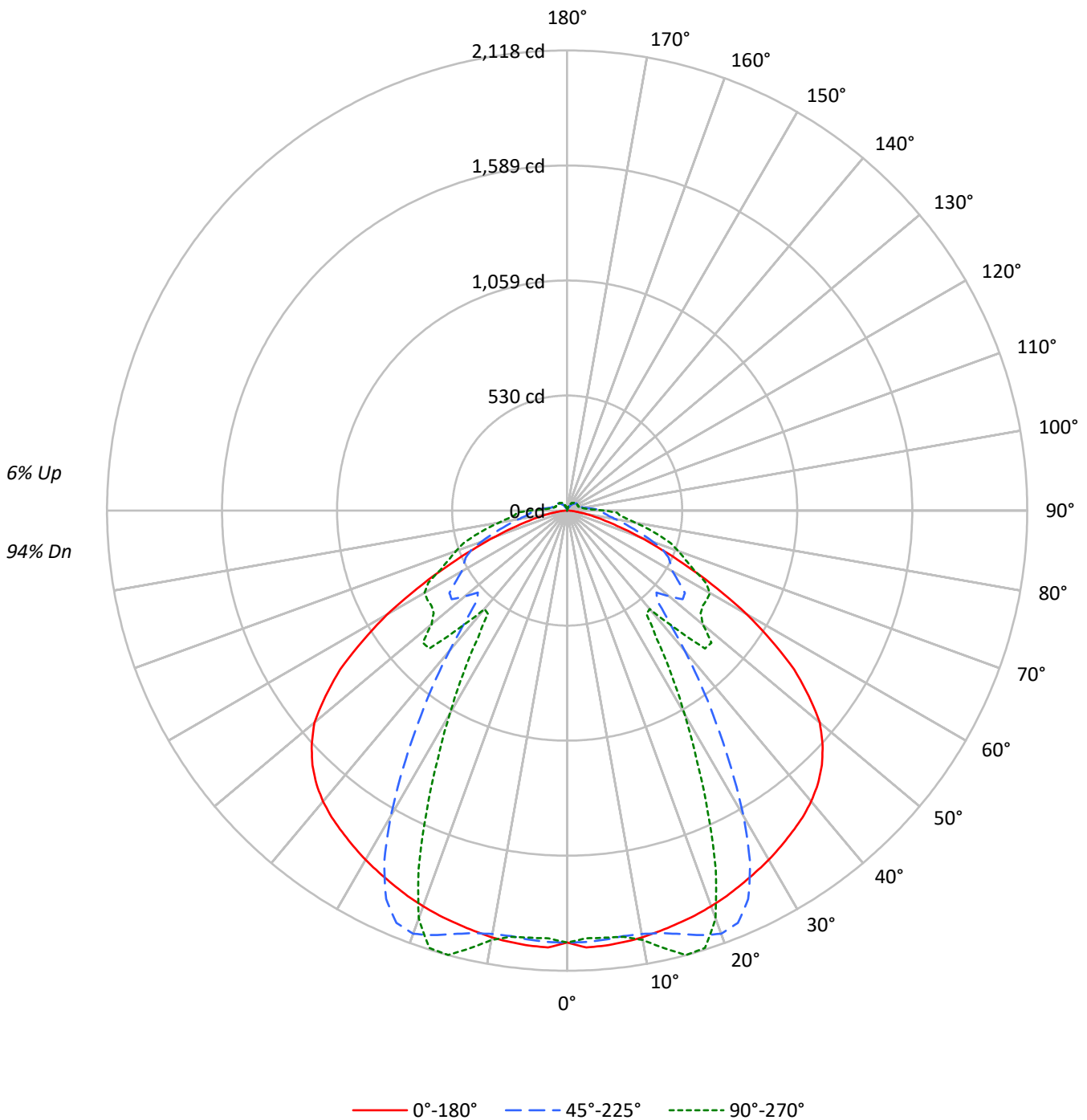
Lumens per Lamp: N/A  
Luminaire Lumens: 5107.0 lumens  
Efficiency: N/A  
Efficacy: 121.6 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 42  
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



TEST NUMBER: P#  
CATALOG NUMBER: 8SNLED-LD5-60SL-SLC-UNV-L935-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-60SL-SLC-UNV-L935-CD1-U

**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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	8033	8033	8033
5°	8142	7852	7748
10°	8163	7740	7722
15°	8197	7856	8048
20°	8286	8097	7554
25°	8402	7789	5817
30°	8582	6529	4137
35°	8811	4950	2802
40°	9099	3602	2372
45°	9329	2616	3730
50°	9368	2900	3540
55°	8787	3342	3495
60°	7520	3063	3715
65°	5691	3095	3398
70°	4028	2824	3163
75°	2674	2373	2838
80°	1748	2041	2363
85°	1003	1951	2121



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-60SL-SLC-UNV-L935-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.1	3.7
10°-20°	571.2	11.2
20°-30°	829.8	16.2
30°-40°	792.8	15.5
40°-50°	725.2	14.2
50°-60°	669.6	13.1
60°-70°	531.9	10.4
70°-80°	328.3	6.4
80°-90°	178.8	3.5
90°-100°	90.3	1.8
100°-110°	56.8	1.1
110°-120°	48.1	0.9
120°-130°	39.3	0.8
130°-140°	28.2	0.6
140°-150°	17.4	0.3
150°-160°	8.2	0.2
160°-170°	2.1	0.0
170°-180°	0.0	0.0
0°-30°	1590.1	31.1
0°-40°	2382.9	46.7
0°-60°	3777.7	74.0
0°-90°	4816.6	94.3
90°-120°	195.2	3.8
90°-150°	280.0	5.5
90°-180°	290.0	5.7
0°-180°	5107.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1988	1988	1988	1988	1988	
5°	2010	1979	1983	1972	1973	191
15°	1968	1942	2017	2092	2118	557
25°	1898	1935	1972	1670	1533	877
35°	1806	1777	1198	825	717	1132
45°	1658	1156	584	745	898	1274
55°	1275	593	662	712	762	1123
65°	615	385	516	627	642	622
75°	181	205	309	409	436	206
85°	26	87	175	238	242	33
90°	1	65	157	186	172	1
95°	0	61	108	96	91	0
105°	0	55	67	61	60	0
115°	0	45	64	57	55	0
125°	1	36	57	55	53	1
135°	1	26	46	50	48	1
145°	1	16	32	40	43	1
155°	2	10	19	26	31	1
165°	2	5	10	12	17	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-60SL-SLC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1988.1	1988.1	1988.1	1988.1	1988.1
2.5°	2012.7	1983.7	1987.2	1981.1	1970.5
5°	2010.1	1979.3	1982.8	1972.3	1973.1
7.5°	2003.1	1971.4	1975.8	1974.0	1978.4
10°	1995.1	1961.7	1978.4	1993.4	2006.6
12.5°	1981.1	1951.1	1991.6	2035.6	2062.9
15°	1967.9	1941.5	2017.1	2092.0	2117.5
17.5°	1954.7	1937.9	2048.8	2114.0	2110.4
20°	1937.9	1936.2	2072.6	2050.6	1996.9
22.5°	1919.5	1937.1	2054.1	1893.1	1787.4
25°	1898.3	1935.3	1972.3	1669.5	1533.1
27.5°	1877.2	1927.4	1823.5	1424.9	1290.2
30°	1856.1	1906.3	1622.9	1201.3	1079.0
32.5°	1831.5	1860.5	1404.6	1003.3	890.6
35°	1805.9	1776.9	1197.8	824.6	717.3
37.5°	1779.5	1656.3	1012.1	668.0	599.3
40°	1747.8	1504.9	841.4	572.9	591.4
42.5°	1708.2	1334.2	690.9	601.1	729.6
45°	1658.1	1156.4	584.4	745.4	897.7
47.5°	1594.7	985.7	558.0	853.7	901.2
50°	1518.1	829.0	613.4	818.5	815.0
52.5°	1402.0	698.8	669.7	746.3	774.5
55°	1275.2	593.2	661.8	712.0	762.2
57.5°	1115.1	521.9	607.3	704.9	763.0
60°	955.8	474.4	560.6	704.1	758.6
62.5°	779.8	431.2	536.9	687.3	719.9
65°	615.2	384.6	515.7	626.6	641.6
67.5°	471.7	337.1	478.8	558.9	588.8
70°	355.6	290.4	420.7	506.9	543.9
72.5°	256.1	246.4	360.8	461.2	499.9
75°	181.3	205.1	308.9	409.2	436.5
77.5°	125.0	167.2	264.9	352.0	374.0
80°	81.8	133.8	225.3	302.7	317.7
82.5°	49.3	107.4	195.4	264.9	272.8
85°	25.5	87.1	175.1	238.5	242.0
87.5°	7.9	73.0	163.7	226.2	230.6
90°	0.9	65.1	156.7	185.7	171.6
92.5°	0.0	61.6	135.5	126.7	113.5
95°	0.0	60.7	108.3	95.9	90.6
97.5°	0.0	59.0	88.9	80.1	77.4
100°	0.0	57.2	76.6	70.4	69.5
102.5°	0.0	56.3	69.5	64.2	63.4
105°	0.0	54.6	66.9	60.7	59.8
107.5°	0.0	51.9	65.1	59.0	57.2
110°	0.0	49.3	65.1	58.1	55.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-60SL-SLC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	46.6	65.1	57.2	54.6
115°	0.0	44.9	64.2	57.2	54.6
117.5°	0.9	43.1	63.4	57.2	54.6
120°	0.0	41.4	61.6	57.2	53.7
122.5°	0.9	38.7	59.8	56.3	53.7
125°	0.9	36.1	57.2	55.4	52.8
127.5°	0.9	33.4	54.6	53.7	51.0
130°	0.9	30.8	51.9	52.8	50.2
132.5°	0.9	28.2	48.4	51.0	49.3
135°	0.9	25.5	45.8	50.2	48.4
137.5°	0.9	22.9	42.2	47.5	47.5
140°	0.9	20.2	38.7	45.8	46.6
142.5°	0.9	18.5	35.2	44.0	44.9
145°	0.9	15.8	31.7	40.5	43.1
147.5°	0.9	14.1	28.2	37.0	40.5
150°	0.9	12.3	24.6	33.4	37.0
152.5°	0.9	10.6	22.0	29.0	34.3
155°	1.8	9.7	19.4	25.5	30.8
157.5°	1.8	7.9	15.8	22.0	26.4
160°	1.8	7.0	14.1	18.5	23.8
162.5°	1.8	6.2	11.4	15.8	20.2
165°	1.8	5.3	9.7	12.3	16.7
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)