

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-SLN-UNV-L930-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 (P27402)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-60SL-SLN-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

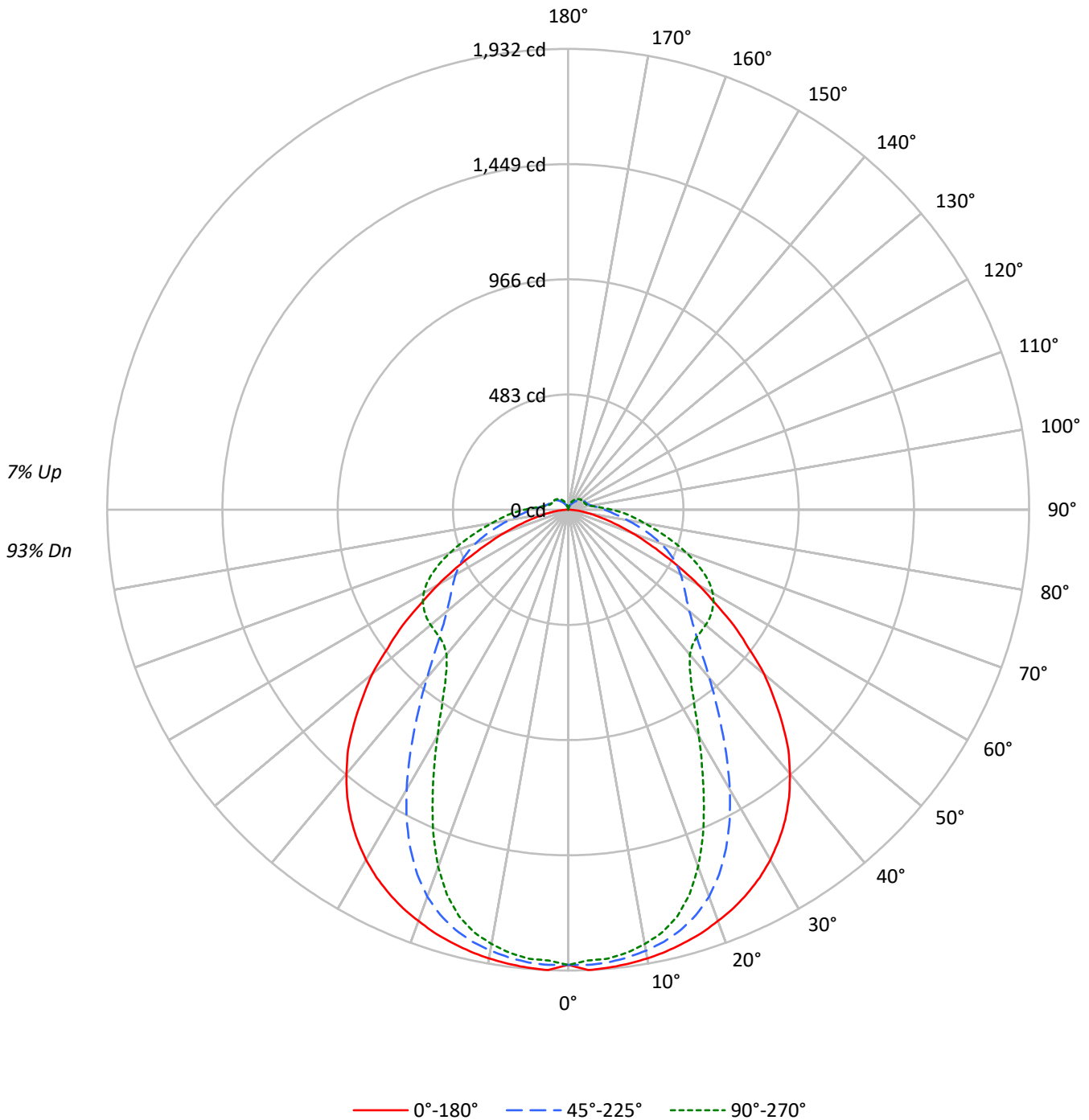
Lumens per Lamp: N/A  
Luminaire Lumens: 4798.0 lumens  
Efficiency: N/A  
Efficacy: 114.2 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 42  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

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

	0°	45°	90°
0°	7709	7709	7709
5°	7808	7546	7420
10°	7817	7344	7115
15°	7830	7104	6709
20°	7845	6744	6026
25°	7861	6185	5103
30°	7837	5448	4197
35°	7739	4640	3517
40°	7528	3933	3180
45°	7147	3422	3155
50°	6621	3132	3266
55°	5851	3015	3380
60°	4958	2977	3427
65°	4011	2916	3320
70°	3250	2772	3062
75°	2483	2516	2717
80°	1879	2269	2417
85°	1337	2153	2223



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.5	3.8
10°-20°	510.2	10.6
20°-30°	713.2	14.9
30°-40°	739.8	15.4
40°-50°	683.4	14.2
50°-60°	610.2	12.7
60°-70°	494.5	10.3
70°-80°	328.9	6.9
80°-90°	188.3	3.9
90°-100°	104.2	2.2
100°-110°	70.6	1.5
110°-120°	58.8	1.2
120°-130°	47.8	1.0
130°-140°	34.4	0.7
140°-150°	20.8	0.4
150°-160°	10.0	0.2
160°-170°	2.6	0.1
170°-180°	0.0	0.0
0°-30°	1403.9	29.3
0°-40°	2143.6	44.7
0°-60°	3437.2	71.6
0°-90°	4448.9	92.7
90°-120°	233.5	4.9
90°-150°	336.5	7.0
90°-180°	349.0	7.3
0°-180°	4798.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1908	1908	1908	1908	1908	
5°	1928	1895	1905	1892	1890	183
15°	1880	1840	1824	1783	1765	531
25°	1776	1697	1566	1402	1345	818
35°	1586	1412	1123	943	900	990
45°	1270	1007	764	737	760	977
55°	849	642	597	694	737	755
65°	434	388	486	595	627	438
75°	168	211	328	401	418	185
85°	34	98	193	247	254	39
90°	2	69	153	184	182	3
95°	2	58	121	129	125	1
105°	1	51	87	85	80	1
115°	1	46	77	76	74	1
125°	1	39	68	71	70	1
135°	2	29	54	63	63	1
145°	2	18	37	49	52	1
155°	2	12	23	31	37	1
165°	2	7	12	15	20	0
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°	1907.9	1907.9	1907.9	1907.9	1907.9
2.5°	1931.9	1900.4	1910.4	1902.1	1891.3
5°	1927.8	1895.4	1905.4	1892.1	1889.6
7.5°	1920.3	1888.0	1893.8	1878.0	1873.9
10°	1910.4	1876.4	1877.2	1854.8	1849.0
12.5°	1897.1	1859.8	1854.8	1824.1	1815.8
15°	1879.7	1839.9	1824.1	1782.7	1765.3
17.5°	1860.6	1814.2	1781.8	1718.0	1690.6
20°	1834.9	1782.7	1726.3	1629.3	1592.8
22.5°	1809.2	1744.5	1654.2	1524.8	1475.9
25°	1776.0	1697.3	1566.3	1402.1	1344.9
27.5°	1738.7	1641.7	1465.1	1276.1	1214.7
30°	1694.8	1574.6	1354.0	1152.5	1094.5
32.5°	1643.4	1499.1	1237.1	1041.4	987.5
35°	1586.2	1412.0	1122.7	942.7	900.5
37.5°	1520.7	1316.7	1016.5	863.1	835.8
40°	1446.0	1213.0	918.7	801.8	792.7
42.5°	1365.6	1111.9	835.0	762.0	770.3
45°	1270.3	1006.6	764.5	737.1	759.5
47.5°	1169.9	903.8	707.3	723.0	755.4
50°	1072.9	808.4	662.5	713.9	752.0
52.5°	952.7	723.0	626.8	705.6	747.1
55°	849.1	641.8	597.0	694.0	737.1
57.5°	729.7	568.8	570.5	679.1	722.2
60°	630.2	502.5	544.8	658.3	699.8
62.5°	529.0	442.8	516.6	631.0	668.3
65°	433.6	388.0	485.9	595.3	626.8
67.5°	354.0	338.3	451.1	552.2	578.7
70°	286.9	292.7	412.9	504.1	526.5
72.5°	220.6	250.4	371.5	452.7	471.8
75°	168.3	210.6	327.5	401.3	417.9
77.5°	124.4	175.8	287.7	354.9	369.0
80°	87.9	145.1	250.4	314.2	325.0
82.5°	58.9	119.4	219.7	277.8	287.7
85°	34.0	97.8	193.2	247.1	253.7
87.5°	14.1	81.3	171.6	215.6	218.9
90°	1.7	68.8	152.6	184.1	182.4
92.5°	1.7	62.2	136.0	154.2	150.1
95°	1.7	58.0	121.1	129.3	125.2
97.5°	1.7	55.6	107.8	111.1	107.0
100°	0.8	53.9	98.7	98.7	94.5
102.5°	0.8	52.2	92.0	89.5	86.2
105°	0.8	50.6	87.1	84.6	80.4
107.5°	0.8	49.7	83.7	81.3	77.1
110°	0.8	48.1	81.3	78.8	75.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	47.3	79.6	77.9	73.8
115°	0.8	45.6	77.1	76.3	73.8
117.5°	0.8	43.9	75.5	75.5	73.0
120°	0.8	42.3	73.0	74.6	72.1
122.5°	0.8	40.6	70.5	73.0	70.5
125°	0.8	39.0	68.0	71.3	69.6
127.5°	1.7	36.5	64.7	69.6	68.0
130°	0.8	34.0	61.4	68.0	67.2
132.5°	1.7	31.5	58.0	65.5	65.5
135°	1.7	29.0	53.9	63.0	63.0
137.5°	1.7	25.7	49.7	59.7	60.5
140°	1.7	23.2	45.6	56.4	58.0
142.5°	1.7	20.7	41.5	53.1	55.6
145°	1.7	18.2	37.3	48.9	52.2
147.5°	1.7	16.6	33.2	43.9	48.9
150°	1.7	14.1	29.8	39.8	44.8
152.5°	1.7	12.4	26.5	35.7	41.5
155°	1.7	11.6	23.2	30.7	37.3
157.5°	1.7	9.9	19.9	26.5	33.2
160°	1.7	8.3	16.6	23.2	28.2
162.5°	1.7	7.5	14.1	19.1	24.9
165°	1.7	6.6	11.6	14.9	19.9
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)