

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-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 (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-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

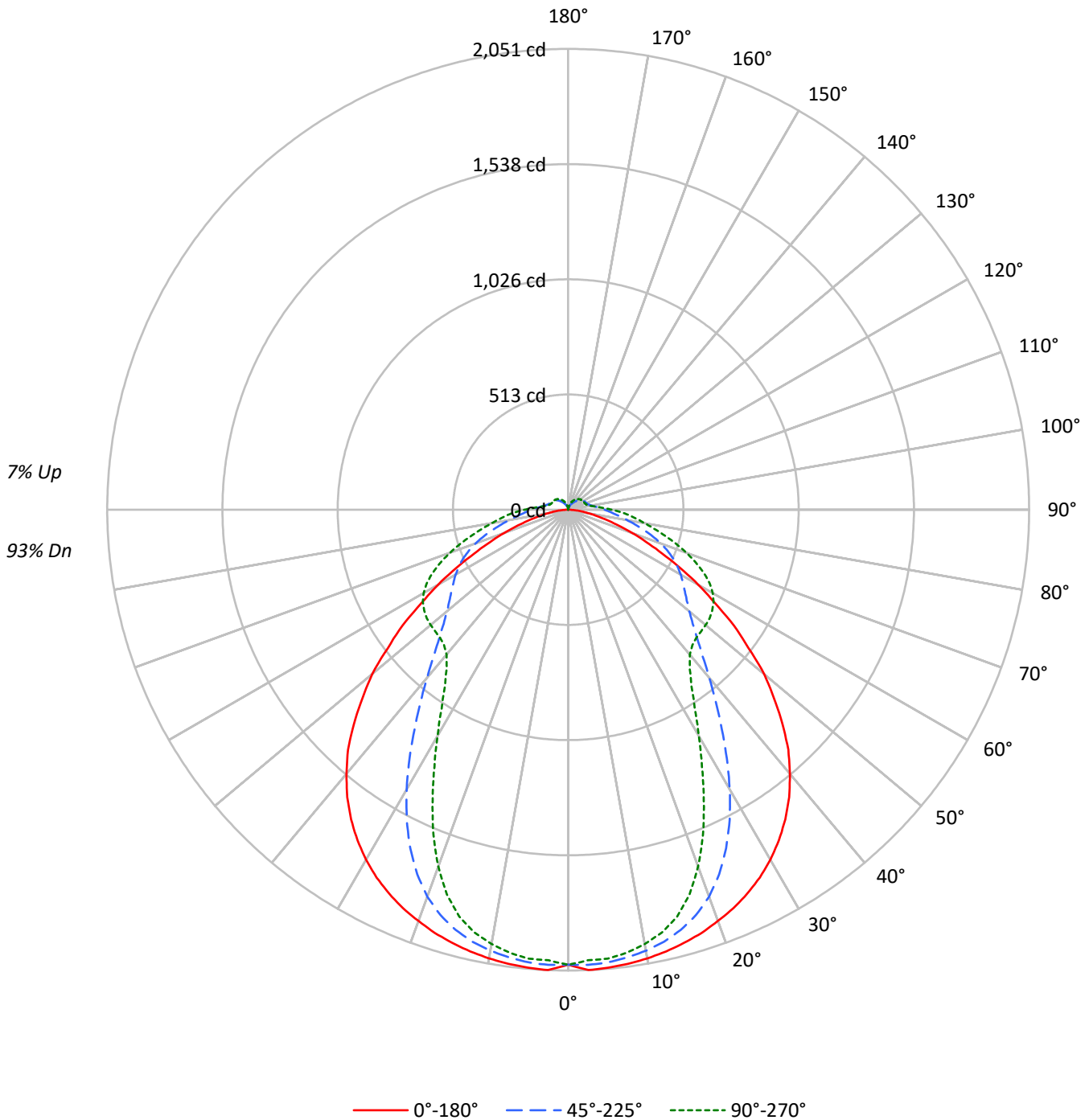
Lumens per Lamp: N/A  
Luminaire Lumens: 5093.0 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 42  
Input Voltage (V): NR  
Input Current (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	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°	8183	8183	8183
5°	8288	8009	7877
10°	8297	7795	7553
15°	8312	7541	7122
20°	8327	7159	6396
25°	8344	6566	5416
30°	8318	5783	4455
35°	8215	4925	3733
40°	7991	4175	3375
45°	7586	3633	3349
50°	7028	3325	3467
55°	6211	3200	3588
60°	5263	3159	3638
65°	4258	3096	3524
70°	3449	2943	3250
75°	2636	2672	2884
80°	1994	2408	2566
85°	1420	2286	2360



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.6	3.8
10°-20°	541.5	10.6
20°-30°	757.0	14.9
30°-40°	785.2	15.4
40°-50°	725.4	14.2
50°-60°	647.7	12.7
60°-70°	524.9	10.3
70°-80°	349.1	6.9
80°-90°	199.9	3.9
90°-100°	110.6	2.2
100°-110°	74.9	1.5
110°-120°	62.4	1.2
120°-130°	50.7	1.0
130°-140°	36.6	0.7
140°-150°	22.0	0.4
150°-160°	10.6	0.2
160°-170°	2.7	0.1
170°-180°	0.0	0.0
0°-30°	1490.2	29.3
0°-40°	2275.4	44.7
0°-60°	3648.5	71.6
0°-90°	4722.5	92.7
90°-120°	247.9	4.9
90°-150°	357.2	7.0
90°-180°	371.0	7.3
0°-180°	5093.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2025	2025	2025	2025	2025	
5°	2046	2012	2022	2008	2006	195
15°	1995	1953	1936	1892	1874	564
25°	1885	1802	1663	1488	1428	869
35°	1684	1499	1192	1001	956	1050
45°	1348	1068	812	782	806	1037
55°	901	681	634	737	782	801
65°	460	412	516	632	665	465
75°	179	224	348	426	444	196
85°	36	104	205	262	269	42
90°	2	73	162	195	194	3
95°	2	62	128	137	133	1
105°	1	54	92	90	85	1
115°	1	48	82	81	78	1
125°	1	41	72	76	74	1
135°	2	31	57	67	67	1
145°	2	19	40	52	55	1
155°	2	12	25	33	40	1
165°	2	7	12	16	21	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°	2025.2	2025.2	2025.2	2025.2	2025.2
2.5°	2050.7	2017.3	2027.8	2019.0	2007.6
5°	2046.3	2012.0	2022.5	2008.5	2005.8
7.5°	2038.4	2004.1	2010.2	1993.5	1989.1
10°	2027.8	1991.7	1992.6	1968.9	1962.7
12.5°	2013.7	1974.1	1968.9	1936.3	1927.5
15°	1995.3	1953.0	1936.3	1892.3	1873.8
17.5°	1975.0	1925.7	1891.4	1823.6	1794.6
20°	1947.7	1892.3	1832.4	1729.5	1690.7
22.5°	1920.4	1851.8	1755.9	1618.6	1566.6
25°	1885.2	1801.6	1662.6	1488.3	1427.6
27.5°	1845.6	1742.7	1555.2	1354.5	1289.4
30°	1799.0	1671.4	1437.3	1223.4	1161.8
32.5°	1744.4	1591.3	1313.2	1105.4	1048.2
35°	1683.7	1498.9	1191.7	1000.7	955.8
37.5°	1614.2	1397.6	1079.0	916.2	887.2
40°	1534.9	1287.6	975.2	851.1	841.4
42.5°	1449.6	1180.3	886.3	808.8	817.6
45°	1348.4	1068.5	811.5	782.4	806.2
47.5°	1241.9	959.3	750.8	767.5	801.8
50°	1138.9	858.1	703.2	757.8	798.3
52.5°	1011.3	767.5	665.4	749.0	793.0
55°	901.3	681.2	633.7	736.7	782.4
57.5°	774.5	603.8	605.5	720.8	766.6
60°	668.9	533.4	578.2	698.8	742.8
62.5°	561.5	470.0	548.3	669.8	709.4
65°	460.3	411.9	515.8	631.9	665.4
67.5°	375.8	359.1	478.8	586.2	614.3
70°	304.5	310.7	438.3	535.1	558.9
72.5°	234.1	265.8	394.3	480.6	500.8
75°	178.7	223.6	347.7	426.0	443.6
77.5°	132.0	186.6	305.4	376.7	391.7
80°	93.3	154.0	265.8	333.6	345.0
82.5°	62.5	126.7	233.2	294.8	305.4
85°	36.1	103.9	205.1	262.3	269.3
87.5°	15.0	86.3	182.2	228.8	232.4
90°	1.8	73.1	161.9	195.4	193.6
92.5°	1.8	66.0	144.3	163.7	159.3
95°	1.8	61.6	128.5	137.3	132.9
97.5°	1.8	59.0	114.4	117.9	113.5
100°	0.9	57.2	104.7	104.7	100.3
102.5°	0.9	55.4	97.7	95.1	91.5
105°	0.9	53.7	92.4	89.8	85.4
107.5°	0.9	52.8	88.9	86.3	81.9
110°	0.9	51.0	86.3	83.6	80.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	50.2	84.5	82.7	78.3
115°	0.9	48.4	81.9	81.0	78.3
117.5°	0.9	46.6	80.1	80.1	77.5
120°	0.9	44.9	77.5	79.2	76.6
122.5°	0.9	43.1	74.8	77.5	74.8
125°	0.9	41.4	72.2	75.7	73.9
127.5°	1.8	38.7	68.7	73.9	72.2
130°	0.9	36.1	65.1	72.2	71.3
132.5°	1.8	33.4	61.6	69.5	69.5
135°	1.8	30.8	57.2	66.9	66.9
137.5°	1.8	27.3	52.8	63.4	64.2
140°	1.8	24.6	48.4	59.8	61.6
142.5°	1.8	22.0	44.0	56.3	59.0
145°	1.8	19.4	39.6	51.9	55.4
147.5°	1.8	17.6	35.2	46.6	51.9
150°	1.8	15.0	31.7	42.2	47.5
152.5°	1.8	13.2	28.2	37.8	44.0
155°	1.8	12.3	24.6	32.6	39.6
157.5°	1.8	10.6	21.1	28.2	35.2
160°	1.8	8.8	17.6	24.6	29.9
162.5°	1.8	7.9	15.0	20.2	26.4
165°	1.8	7.0	12.3	15.8	21.1
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)