

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

**Summary**

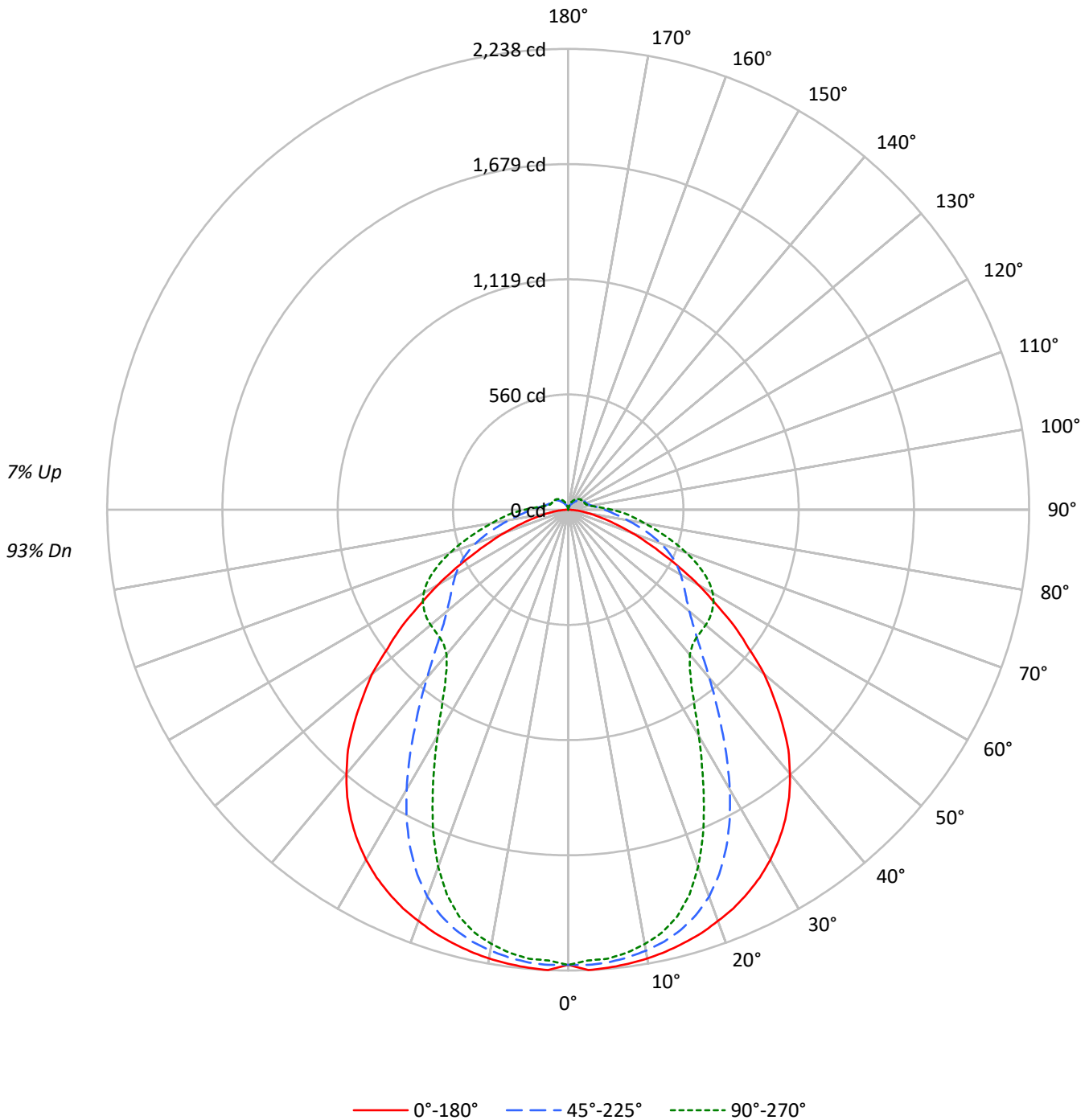
Lumens per Lamp: N/A  
Luminaire Lumens: 5558.0 lumens  
Efficiency: N/A  
Efficacy: 132.3 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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°	8930	8930	8930
5°	9045	8741	8596
10°	9055	8507	8242
15°	9070	8230	7772
20°	9088	7812	6980
25°	9106	7165	5911
30°	9078	6311	4861
35°	8965	5374	4074
40°	8721	4556	3683
45°	8279	3964	3655
50°	7670	3628	3784
55°	6777	3493	3916
60°	5744	3448	3970
65°	4647	3378	3846
70°	3764	3211	3547
75°	2876	2915	3148
80°	2176	2629	2800
85°	1550	2494	2575



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.1	3.8
10°-20°	591.0	10.6
20°-30°	826.2	14.9
30°-40°	856.9	15.4
40°-50°	791.7	14.2
50°-60°	706.8	12.7
60°-70°	572.8	10.3
70°-80°	381.0	6.9
80°-90°	218.2	3.9
90°-100°	120.7	2.2
100°-110°	81.7	1.5
110°-120°	68.1	1.2
120°-130°	55.3	1.0
130°-140°	39.9	0.7
140°-150°	24.1	0.4
150°-160°	11.6	0.2
160°-170°	3.0	0.1
170°-180°	0.0	0.0
0°-30°	1626.2	29.3
0°-40°	2483.2	44.7
0°-60°	3981.7	71.6
0°-90°	5153.6	92.7
90°-120°	270.5	4.9
90°-150°	389.8	7.0
90°-180°	404.0	7.3
0°-180°	5558.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2210	2210	2210	2210	2210	
5°	2233	2196	2207	2192	2189	212
15°	2177	2131	2113	2065	2045	615
25°	2057	1966	1814	1624	1558	948
35°	1837	1636	1300	1092	1043	1146
45°	1472	1166	886	854	880	1131
55°	984	743	692	804	854	875
65°	502	450	563	690	726	508
75°	195	244	379	465	484	214
85°	39	113	224	286	294	45
90°	2	80	177	213	211	3
95°	2	67	140	150	145	1
105°	1	59	101	98	93	1
115°	1	53	89	88	86	1
125°	1	45	79	83	81	1
135°	2	34	62	73	73	1
145°	2	21	43	57	60	1
155°	2	13	27	36	43	1
165°	2	8	13	17	23	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°	2210.1	2210.1	2210.1	2210.1	2210.1
2.5°	2237.9	2201.4	2213.0	2203.4	2190.9
5°	2233.1	2195.7	2207.2	2191.8	2189.0
7.5°	2224.5	2187.0	2193.8	2175.5	2170.7
10°	2213.0	2173.6	2174.5	2148.6	2141.9
12.5°	2197.6	2154.4	2148.6	2113.1	2103.5
15°	2177.4	2131.3	2113.1	2065.0	2044.9
17.5°	2155.3	2101.5	2064.1	1990.1	1958.4
20°	2125.6	2065.0	1999.7	1887.4	1845.1
22.5°	2095.8	2020.9	1916.2	1766.3	1709.7
25°	2057.4	1966.1	1814.4	1624.2	1557.9
27.5°	2014.1	1901.8	1697.2	1478.2	1407.1
30°	1963.2	1824.0	1568.5	1335.1	1267.8
32.5°	1903.7	1736.6	1433.0	1206.4	1143.9
35°	1837.4	1635.7	1300.5	1092.1	1043.1
37.5°	1761.5	1525.3	1177.6	999.9	968.2
40°	1675.1	1405.2	1064.2	928.8	918.2
42.5°	1581.9	1288.0	967.2	882.7	892.3
45°	1471.5	1166.0	885.6	853.9	879.8
47.5°	1355.2	1046.9	819.3	837.5	875.0
50°	1242.9	936.5	767.4	827.0	871.2
52.5°	1103.6	837.5	726.1	817.4	865.4
55°	983.5	743.4	691.6	803.9	853.9
57.5°	845.2	658.9	660.8	786.6	836.6
60°	730.0	582.1	631.0	762.6	810.7
62.5°	612.8	512.9	598.4	730.9	774.2
65°	502.3	449.5	562.8	689.6	726.1
67.5°	410.1	391.9	522.5	639.7	670.4
70°	332.3	339.1	478.3	584.0	609.9
72.5°	255.5	290.1	430.3	524.4	546.5
75°	195.0	244.0	379.4	464.9	484.1
77.5°	144.1	203.6	333.3	411.1	427.4
80°	101.8	168.1	290.1	364.0	376.5
82.5°	68.2	138.3	254.5	321.8	333.3
85°	39.4	113.3	223.8	286.2	293.9
87.5°	16.3	94.1	198.8	249.7	253.6
90°	1.9	79.7	176.7	213.2	211.3
92.5°	1.9	72.0	157.5	178.7	173.8
95°	1.9	67.2	140.2	149.8	145.0
97.5°	1.9	64.4	124.9	128.7	123.9
100°	1.0	62.4	114.3	114.3	109.5
102.5°	1.0	60.5	106.6	103.7	99.9
105°	1.0	58.6	100.9	98.0	93.2
107.5°	1.0	57.6	97.0	94.1	89.3
110°	1.0	55.7	94.1	91.2	87.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	54.7	92.2	90.3	85.5
115°	1.0	52.8	89.3	88.4	85.5
117.5°	1.0	50.9	87.4	87.4	84.5
120°	1.0	49.0	84.5	86.4	83.6
122.5°	1.0	47.1	81.6	84.5	81.6
125°	1.0	45.1	78.8	82.6	80.7
127.5°	1.9	42.3	74.9	80.7	78.8
130°	1.0	39.4	71.1	78.8	77.8
132.5°	1.9	36.5	67.2	75.9	75.9
135°	1.9	33.6	62.4	73.0	73.0
137.5°	1.9	29.8	57.6	69.2	70.1
140°	1.9	26.9	52.8	65.3	67.2
142.5°	1.9	24.0	48.0	61.5	64.4
145°	1.9	21.1	43.2	56.7	60.5
147.5°	1.9	19.2	38.4	50.9	56.7
150°	1.9	16.3	34.6	46.1	51.9
152.5°	1.9	14.4	30.7	41.3	48.0
155°	1.9	13.4	26.9	35.5	43.2
157.5°	1.9	11.5	23.1	30.7	38.4
160°	1.9	9.6	19.2	26.9	32.7
162.5°	1.9	8.6	16.3	22.1	28.8
165°	1.9	7.7	13.4	17.3	23.1
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)