

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-LD5-98SL-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-LD5-98SL-SLN-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

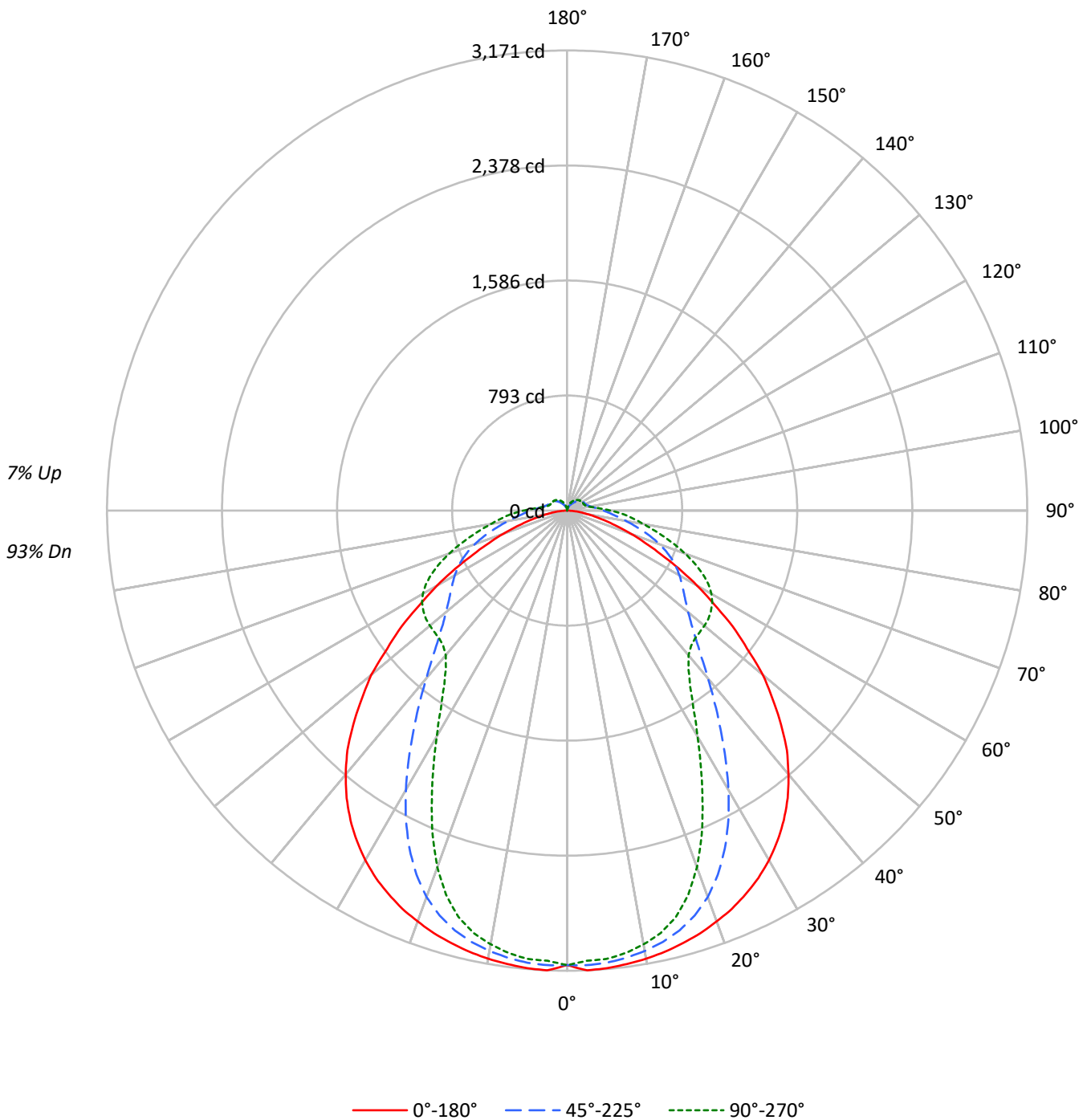
Lumens per Lamp: N/A  
Luminaire Lumens: 7876.0 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 75  
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	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°	12654	12654	12654
5°	12818	12386	12181
10°	12831	12055	11680
15°	12853	11661	11013
20°	12878	11070	9891
25°	12903	10153	8376
30°	12864	8942	6889
35°	12704	7616	5773
40°	12358	6457	5219
45°	11732	5618	5180
50°	10868	5142	5361
55°	9603	4949	5549
60°	8139	4886	5625
65°	6585	4787	5450
70°	5334	4551	5027
75°	4076	4131	4461
80°	3084	3724	3967
85°	2195	3534	3650



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.3	3.8
10°-20°	837.5	10.6
20°-30°	1170.7	14.9
30°-40°	1214.3	15.4
40°-50°	1121.8	14.2
50°-60°	1001.6	12.7
60°-70°	811.7	10.3
70°-80°	539.9	6.9
80°-90°	309.2	3.9
90°-100°	171.0	2.2
100°-110°	115.8	1.5
110°-120°	96.4	1.2
120°-130°	78.4	1.0
130°-140°	56.5	0.7
140°-150°	34.1	0.4
150°-160°	16.4	0.2
160°-170°	4.2	0.1
170°-180°	0.0	0.0
0°-30°	2304.5	29.3
0°-40°	3518.8	44.7
0°-60°	5642.2	71.6
0°-90°	7303.0	92.7
90°-120°	383.3	4.9
90°-150°	552.4	7.0
90°-180°	573.0	7.3
0°-180°	7876.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3132	3132	3132	3132	3132	
5°	3164	3111	3128	3106	3102	301
15°	3086	3020	2994	2926	2898	872
25°	2915	2786	2571	2302	2208	1343
35°	2604	2318	1843	1548	1478	1624
45°	2085	1652	1255	1210	1247	1603
55°	1394	1054	980	1139	1210	1239
65°	712	637	798	977	1029	720
75°	276	346	538	659	686	303
85°	56	161	317	406	416	64
90°	3	113	250	302	299	4
95°	3	95	199	212	206	2
105°	1	83	143	139	132	1
115°	1	75	127	125	121	1
125°	1	64	112	117	114	2
135°	3	48	88	103	103	2
145°	3	30	61	80	86	2
155°	3	19	38	50	61	1
165°	3	11	19	24	33	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-98SL-SLN-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3131.8	3131.8	3131.8	3131.8	3131.8
2.5°	3171.3	3119.6	3135.9	3122.3	3104.6
5°	3164.5	3111.4	3127.7	3106.0	3101.9
7.5°	3152.2	3099.1	3108.7	3082.8	3076.0
10°	3135.9	3080.1	3081.5	3044.7	3035.2
12.5°	3114.1	3052.9	3044.7	2994.3	2980.7
15°	3085.5	3020.2	2994.3	2926.3	2897.7
17.5°	3054.2	2978.0	2924.9	2820.1	2775.2
20°	3012.0	2926.3	2833.7	2674.5	2614.6
22.5°	2969.8	2863.7	2715.3	2503.0	2422.7
25°	2915.4	2786.1	2571.1	2301.6	2207.6
27.5°	2854.2	2694.9	2405.0	2094.7	1994.0
30°	2782.0	2584.7	2222.6	1891.9	1796.6
32.5°	2697.6	2460.8	2030.7	1709.5	1621.0
35°	2603.7	2317.9	1842.9	1547.5	1478.1
37.5°	2496.2	2161.4	1668.7	1416.9	1372.0
40°	2373.7	1991.2	1508.1	1316.2	1301.2
42.5°	2241.7	1825.2	1370.6	1250.8	1264.4
45°	2085.2	1652.3	1254.9	1210.0	1246.7
47.5°	1920.5	1483.6	1161.0	1186.8	1239.9
50°	1761.2	1327.0	1087.5	1171.9	1234.5
52.5°	1563.9	1186.8	1029.0	1158.3	1226.3
55°	1393.7	1053.5	980.0	1139.2	1210.0
57.5°	1197.7	933.7	936.4	1114.7	1185.5
60°	1034.4	824.8	894.2	1080.7	1148.7
62.5°	868.4	726.8	847.9	1035.8	1097.0
65°	711.8	637.0	797.6	977.2	1029.0
67.5°	581.2	555.3	740.4	906.5	950.0
70°	470.9	480.5	677.8	827.5	864.3
72.5°	362.0	411.0	609.8	743.1	774.4
75°	276.3	345.7	537.6	658.8	686.0
77.5°	204.2	288.5	472.3	582.5	605.7
80°	144.3	238.2	411.0	515.8	533.5
82.5°	96.6	196.0	360.7	456.0	472.3
85°	55.8	160.6	317.1	405.6	416.5
87.5°	23.1	133.4	281.7	353.9	359.3
90°	2.7	113.0	250.4	302.2	299.4
92.5°	2.7	102.1	223.2	253.2	246.4
95°	2.7	95.3	198.7	212.3	205.5
97.5°	2.7	91.2	176.9	182.4	175.6
100°	1.4	88.5	162.0	162.0	155.2
102.5°	1.4	85.7	151.1	147.0	141.6
105°	1.4	83.0	142.9	138.8	132.0
107.5°	1.4	81.7	137.5	133.4	126.6
110°	1.4	78.9	133.4	129.3	123.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	77.6	130.7	127.9	121.1
115°	1.4	74.9	126.6	125.2	121.1
117.5°	1.4	72.1	123.9	123.9	119.8
120°	1.4	69.4	119.8	122.5	118.4
122.5°	1.4	66.7	115.7	119.8	115.7
125°	1.4	64.0	111.6	117.1	114.3
127.5°	2.7	59.9	106.2	114.3	111.6
130°	1.4	55.8	100.7	111.6	110.2
132.5°	2.7	51.7	95.3	107.5	107.5
135°	2.7	47.6	88.5	103.4	103.4
137.5°	2.7	42.2	81.7	98.0	99.4
140°	2.7	38.1	74.9	92.6	95.3
142.5°	2.7	34.0	68.1	87.1	91.2
145°	2.7	29.9	61.2	80.3	85.7
147.5°	2.7	27.2	54.4	72.1	80.3
150°	2.7	23.1	49.0	65.3	73.5
152.5°	2.7	20.4	43.6	58.5	68.1
155°	2.7	19.1	38.1	50.4	61.2
157.5°	2.7	16.3	32.7	43.6	54.4
160°	2.7	13.6	27.2	38.1	46.3
162.5°	2.7	12.2	23.1	31.3	40.8
165°	2.7	10.9	19.1	24.5	32.7
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)