

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-LD5-75SL-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-LD5-75SL-SLN-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

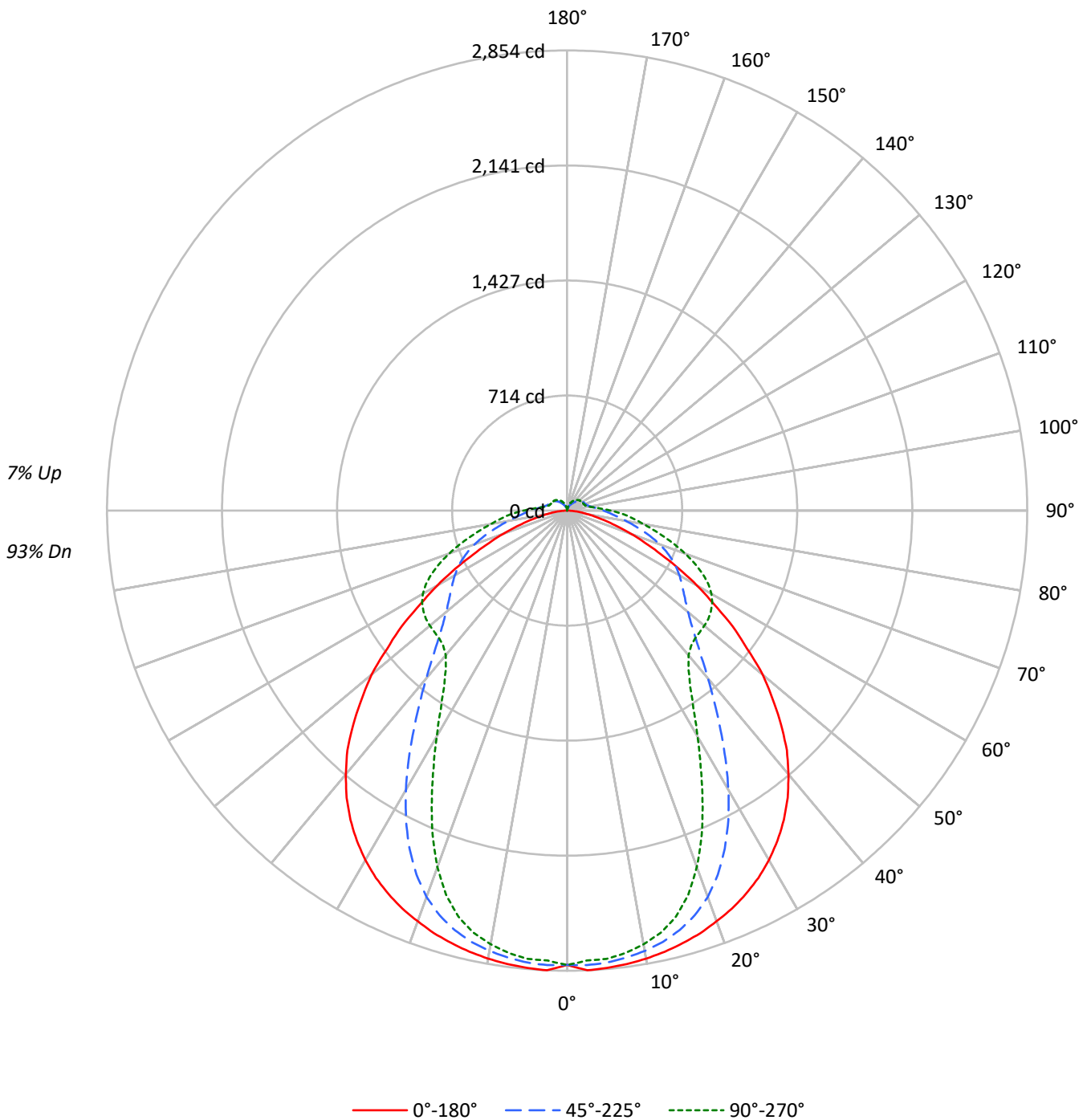
Lumens per Lamp: N/A  
Luminaire Lumens: 7087.0 lumens  
Efficiency: N/A  
Efficacy: 128.9 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 55  
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-LD5-75SL-SLN-UNV-L950-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-SLN-UNV-L950-CD1-U

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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	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°	11387	11387	11387
5°	11534	11145	10961
10°	11545	10848	10510
15°	11565	10493	9910
20°	11588	9962	8900
25°	11611	9136	7537
30°	11575	8047	6199
35°	11431	6853	5195
40°	11120	5810	4696
45°	10556	5055	4661
50°	9780	4626	4824
55°	8642	4453	4993
60°	7324	4397	5062
65°	5925	4308	4904
70°	4801	4095	4523
75°	3667	3717	4014
80°	2774	3352	3570
85°	1975	3180	3284



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-SLN-UNV-L950-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	266.6	3.8
10°-20°	753.6	10.6
20°-30°	1053.4	14.9
30°-40°	1092.7	15.4
40°-50°	1009.5	14.2
50°-60°	901.3	12.7
60°-70°	730.4	10.3
70°-80°	485.8	6.9
80°-90°	278.2	3.9
90°-100°	153.9	2.2
100°-110°	104.2	1.5
110°-120°	86.8	1.2
120°-130°	70.5	1.0
130°-140°	50.9	0.7
140°-150°	30.7	0.4
150°-160°	14.7	0.2
160°-170°	3.8	0.1
170°-180°	0.0	0.0
0°-30°	2073.6	29.3
0°-40°	3166.3	44.7
0°-60°	5077.0	71.6
0°-90°	6571.4	92.7
90°-120°	344.9	4.9
90°-150°	497.0	7.0
90°-180°	516.0	7.3
0°-180°	7087.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2818	2818	2818	2818	2818	
5°	2848	2800	2814	2795	2791	271
15°	2776	2718	2694	2633	2607	785
25°	2623	2507	2314	2071	1986	1209
35°	2343	2086	1658	1392	1330	1462
45°	1876	1487	1129	1089	1122	1443
55°	1254	948	882	1025	1089	1115
65°	640	573	718	879	926	647
75°	249	311	484	593	617	273
85°	50	144	285	365	375	58
90°	2	102	225	272	269	4
95°	2	86	179	191	185	2
105°	1	75	129	125	119	1
115°	1	67	114	113	109	1
125°	1	58	100	105	103	1
135°	2	43	80	93	93	2
145°	2	27	55	72	77	2
155°	2	17	34	45	55	1
165°	2	10	17	22	29	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-SLN-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2818.1	2818.1	2818.1	2818.1	2818.1
2.5°	2853.6	2807.1	2821.7	2809.5	2793.6
5°	2847.5	2799.7	2814.4	2794.8	2791.1
7.5°	2836.4	2788.7	2797.3	2774.0	2767.9
10°	2821.7	2771.5	2772.8	2739.7	2731.1
12.5°	2802.2	2747.0	2739.7	2694.4	2682.1
15°	2776.4	2717.6	2694.4	2633.1	2607.4
17.5°	2748.3	2679.7	2631.9	2537.6	2497.2
20°	2710.3	2633.1	2549.9	2406.6	2352.7
22.5°	2672.3	2576.8	2443.3	2252.3	2180.0
25°	2623.3	2507.0	2313.5	2071.0	1986.5
27.5°	2568.2	2424.9	2164.1	1884.8	1794.2
30°	2503.3	2325.7	2000.0	1702.4	1616.6
32.5°	2427.4	2214.3	1827.3	1538.2	1458.6
35°	2342.9	2085.7	1658.3	1392.5	1330.0
37.5°	2246.1	1944.9	1501.5	1274.9	1234.5
40°	2135.9	1791.8	1357.0	1184.3	1170.8
42.5°	2017.1	1642.3	1233.3	1125.5	1137.8
45°	1876.3	1486.8	1129.2	1088.8	1121.8
47.5°	1728.1	1334.9	1044.7	1068.0	1115.7
50°	1584.8	1194.1	978.5	1054.5	1110.8
52.5°	1407.2	1068.0	925.9	1042.2	1103.5
55°	1254.1	947.9	881.8	1025.1	1088.8
57.5°	1077.8	840.2	842.6	1003.0	1066.7
60°	930.8	742.2	804.6	972.4	1033.7
62.5°	781.4	654.0	763.0	932.0	987.1
65°	640.5	573.2	717.7	879.3	925.9
67.5°	523.0	499.7	666.2	815.7	854.9
70°	423.8	432.3	609.9	744.6	777.7
72.5°	325.8	369.9	548.7	668.7	696.9
75°	248.6	311.1	483.8	592.8	617.3
77.5°	183.7	259.6	425.0	524.2	545.0
80°	129.8	214.3	369.9	464.2	480.1
82.5°	87.0	176.4	324.6	410.3	425.0
85°	50.2	144.5	285.4	365.0	374.8
87.5°	20.8	120.0	253.5	318.4	323.3
90°	2.4	101.7	225.3	271.9	269.4
92.5°	2.4	91.9	200.9	227.8	221.7
95°	2.4	85.7	178.8	191.1	184.9
97.5°	2.4	82.1	159.2	164.1	158.0
100°	1.2	79.6	145.7	145.7	139.6
102.5°	1.2	77.2	135.9	132.3	127.4
105°	1.2	74.7	128.6	124.9	118.8
107.5°	1.2	73.5	123.7	120.0	113.9
110°	1.2	71.0	120.0	116.3	111.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-SLN-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	69.8	117.6	115.1	109.0
115°	1.2	67.4	113.9	112.7	109.0
117.5°	1.2	64.9	111.4	111.4	107.8
120°	1.2	62.5	107.8	110.2	106.6
122.5°	1.2	60.0	104.1	107.8	104.1
125°	1.2	57.6	100.4	105.3	102.9
127.5°	2.4	53.9	95.5	102.9	100.4
130°	1.2	50.2	90.6	100.4	99.2
132.5°	2.4	46.5	85.7	96.8	96.8
135°	2.4	42.9	79.6	93.1	93.1
137.5°	2.4	38.0	73.5	88.2	89.4
140°	2.4	34.3	67.4	83.3	85.7
142.5°	2.4	30.6	61.2	78.4	82.1
145°	2.4	26.9	55.1	72.3	77.2
147.5°	2.4	24.5	49.0	64.9	72.3
150°	2.4	20.8	44.1	58.8	66.1
152.5°	2.4	18.4	39.2	52.7	61.2
155°	2.4	17.1	34.3	45.3	55.1
157.5°	2.4	14.7	29.4	39.2	49.0
160°	2.4	12.2	24.5	34.3	41.6
162.5°	2.4	11.0	20.8	28.2	36.7
165°	2.4	9.8	17.1	22.0	29.4
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)