

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-SLC-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 (P27404)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-75SL-SLC-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

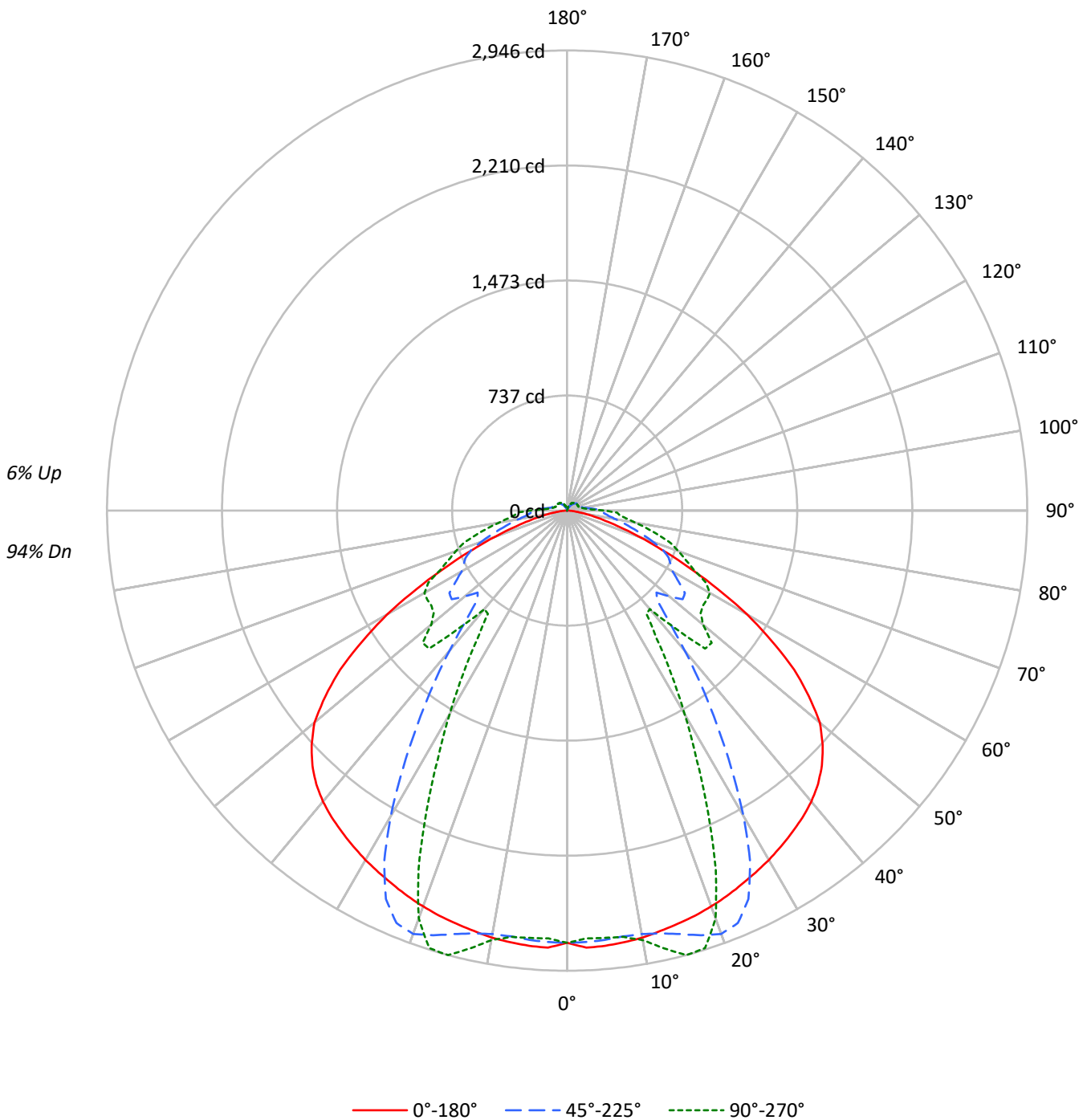
Lumens per Lamp: N/A  
Luminaire Lumens: 7106.0 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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



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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	11177	11177	11177
5°	11329	10926	10782
10°	11359	10769	10744
15°	11406	10931	11198
20°	11529	11267	10511
25°	11691	10837	8094
30°	11942	9085	5757
35°	12260	6887	3898
40°	12662	5012	3301
45°	12980	3640	5190
50°	13036	4035	4925
55°	12227	4651	4863
60°	10464	4262	5169
65°	7919	4307	4728
70°	5604	3930	4401
75°	3722	3302	3949
80°	2435	2841	3288
85°	1396	2716	2951



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.2	3.7
10°-20°	794.8	11.2
20°-30°	1154.5	16.2
30°-40°	1103.1	15.5
40°-50°	1009.0	14.2
50°-60°	931.7	13.1
60°-70°	740.1	10.4
70°-80°	456.8	6.4
80°-90°	248.7	3.5
90°-100°	125.7	1.8
100°-110°	79.0	1.1
110°-120°	66.9	0.9
120°-130°	54.6	0.8
130°-140°	39.2	0.6
140°-150°	24.2	0.3
150°-160°	11.5	0.2
160°-170°	3.0	0.0
170°-180°	0.0	0.0
0°-30°	2212.5	31.1
0°-40°	3315.6	46.7
0°-60°	5256.3	74.0
0°-90°	6701.9	94.3
90°-120°	271.6	3.8
90°-150°	389.6	5.5
90°-180°	404.0	5.7
0°-180°	7106.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2766	2766	2766	2766	2766	
5°	2797	2754	2759	2744	2746	266
15°	2738	2701	2807	2911	2946	775
25°	2641	2693	2744	2323	2133	1221
35°	2513	2472	1667	1147	998	1576
45°	2307	1609	813	1037	1249	1773
55°	1774	825	921	991	1060	1563
65°	856	535	718	872	893	866
75°	252	285	430	569	607	286
85°	36	121	244	332	337	45
90°	1	91	218	258	239	2
95°	0	84	151	134	126	0
105°	0	76	93	84	83	0
115°	0	62	89	80	76	1
125°	1	50	80	77	74	1
135°	1	36	64	70	67	1
145°	1	22	44	56	60	1
155°	2	14	27	36	43	1
165°	2	7	14	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°	2766.3	2766.3	2766.3	2766.3	2766.3
2.5°	2800.6	2760.2	2765.1	2756.5	2741.8
5°	2796.9	2754.1	2759.0	2744.3	2745.5
7.5°	2787.1	2743.0	2749.2	2746.7	2752.8
10°	2776.1	2729.6	2752.8	2773.6	2792.0
12.5°	2756.5	2714.9	2771.2	2832.4	2870.4
15°	2738.1	2701.4	2806.7	2910.8	2946.3
17.5°	2719.8	2696.5	2850.8	2941.4	2936.5
20°	2696.5	2694.0	2883.9	2853.2	2778.5
22.5°	2670.8	2695.3	2858.1	2634.0	2487.1
25°	2641.4	2692.8	2744.3	2323.0	2133.2
27.5°	2612.0	2681.8	2537.3	1982.6	1795.2
30°	2582.6	2652.4	2258.1	1671.5	1501.3
32.5°	2548.3	2588.7	1954.4	1396.0	1239.3
35°	2512.8	2472.4	1666.6	1147.4	998.0
37.5°	2476.1	2304.6	1408.3	929.4	833.9
40°	2432.0	2094.0	1170.7	797.2	822.9
42.5°	2376.9	1856.4	961.3	836.4	1015.2
45°	2307.1	1609.1	813.1	1037.2	1249.1
47.5°	2218.9	1371.5	776.4	1187.8	1254.0
50°	2112.4	1153.5	853.5	1138.8	1133.9
52.5°	1950.7	972.3	931.9	1038.4	1077.6
55°	1774.4	825.4	920.9	990.7	1060.5
57.5°	1551.5	726.2	845.0	980.9	1061.7
60°	1329.9	660.0	780.0	979.7	1055.6
62.5°	1085.0	600.0	747.0	956.4	1001.7
65°	856.0	535.1	717.6	871.9	892.7
67.5°	656.4	469.0	666.2	777.6	819.2
70°	494.7	404.1	585.3	705.4	756.8
72.5°	356.3	342.9	502.1	641.7	695.6
75°	252.3	285.3	429.8	569.4	607.4
77.5°	173.9	232.7	368.6	489.8	520.4
80°	113.9	186.1	313.5	421.3	442.1
82.5°	68.6	149.4	271.9	368.6	379.6
85°	35.5	121.2	243.7	331.9	336.8
87.5°	11.0	101.6	227.8	314.7	320.8
90°	1.2	90.6	218.0	258.4	238.8
92.5°	0.0	85.7	188.6	176.3	158.0
95°	0.0	84.5	150.6	133.5	126.1
97.5°	0.0	82.0	123.7	111.4	107.8
100°	0.0	79.6	106.5	98.0	96.7
102.5°	0.0	78.4	96.7	89.4	88.2
105°	0.0	75.9	93.1	84.5	83.3
107.5°	0.0	72.2	90.6	82.0	79.6
110°	0.0	68.6	90.6	80.8	77.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	64.9	90.6	79.6	75.9
115°	0.0	62.5	89.4	79.6	75.9
117.5°	1.2	60.0	88.2	79.6	75.9
120°	0.0	57.6	85.7	79.6	74.7
122.5°	1.2	53.9	83.3	78.4	74.7
125°	1.2	50.2	79.6	77.1	73.5
127.5°	1.2	46.5	75.9	74.7	71.0
130°	1.2	42.9	72.2	73.5	69.8
132.5°	1.2	39.2	67.4	71.0	68.6
135°	1.2	35.5	63.7	69.8	67.4
137.5°	1.2	31.8	58.8	66.1	66.1
140°	1.2	28.2	53.9	63.7	64.9
142.5°	1.2	25.7	49.0	61.2	62.5
145°	1.2	22.0	44.1	56.3	60.0
147.5°	1.2	19.6	39.2	51.4	56.3
150°	1.2	17.1	34.3	46.5	51.4
152.5°	1.2	14.7	30.6	40.4	47.8
155°	2.4	13.5	26.9	35.5	42.9
157.5°	2.4	11.0	22.0	30.6	36.7
160°	2.4	9.8	19.6	25.7	33.1
162.5°	2.4	8.6	15.9	22.0	28.2
165°	2.4	7.3	13.5	17.1	23.3
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)