

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-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-LD5-75SL-SLN-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

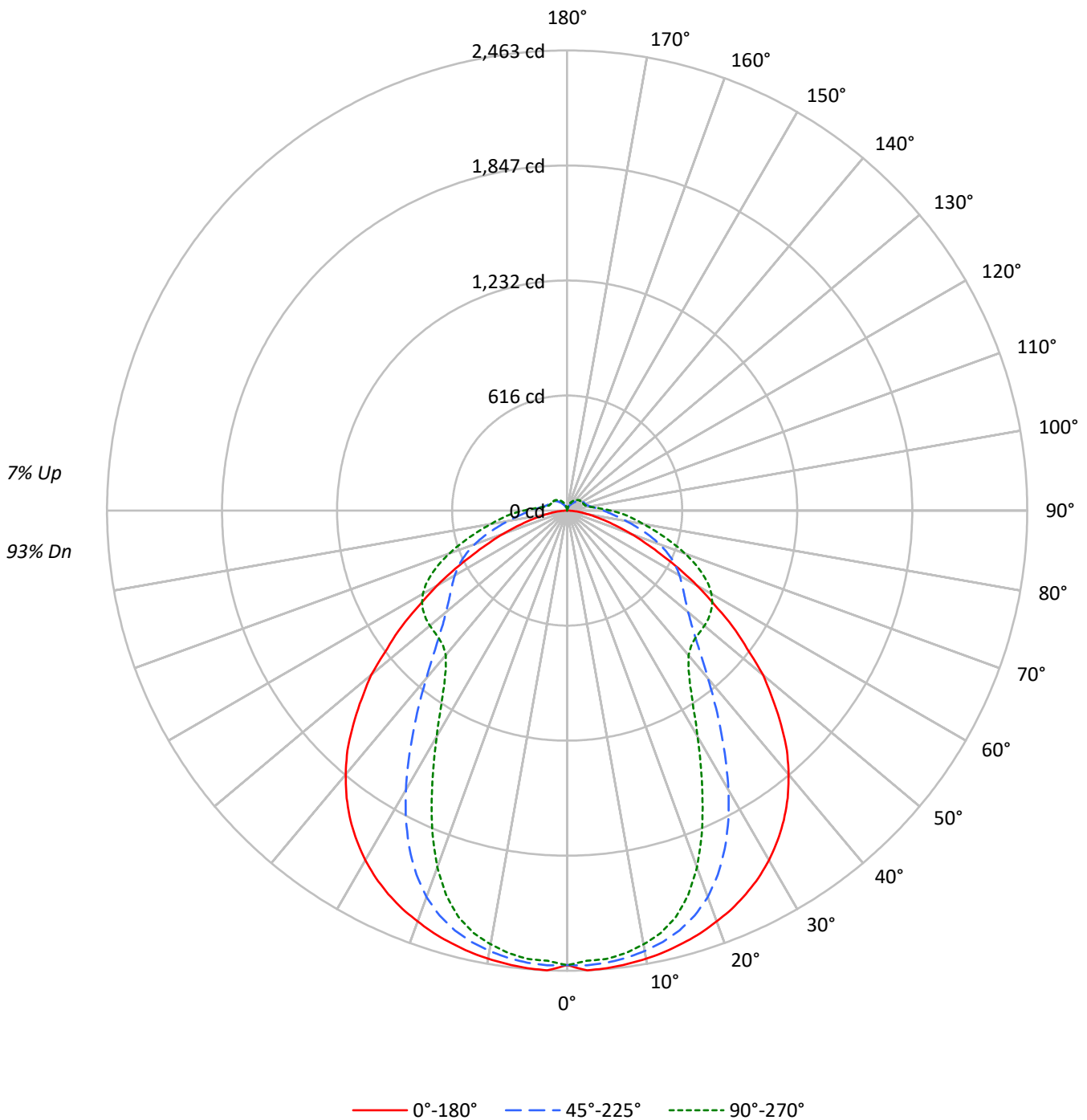
Lumens per Lamp: N/A  
Luminaire Lumens: 6118.0 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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



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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°	9830	9830	9830
5°	9956	9622	9462
10°	9967	9364	9073
15°	9984	9059	8555
20°	10003	8599	7683
25°	10023	7887	6506
30°	9992	6946	5351
35°	9868	5916	4485
40°	9600	5015	4054
45°	9113	4364	4024
50°	8443	3994	4165
55°	7460	3844	4310
60°	6322	3796	4370
65°	5115	3719	4234
70°	4144	3535	3905
75°	3166	3209	3465
80°	2396	2893	3082
85°	1703	2745	2835



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.2	3.8
10°-20°	650.5	10.6
20°-30°	909.4	14.9
30°-40°	943.3	15.4
40°-50°	871.4	14.2
50°-60°	778.0	12.7
60°-70°	630.5	10.3
70°-80°	419.4	6.9
80°-90°	240.2	3.9
90°-100°	132.9	2.2
100°-110°	90.0	1.5
110°-120°	74.9	1.2
120°-130°	60.9	1.0
130°-140°	43.9	0.7
140°-150°	26.5	0.4
150°-160°	12.7	0.2
160°-170°	3.3	0.1
170°-180°	0.0	0.0
0°-30°	1790.1	29.3
0°-40°	2733.4	44.7
0°-60°	4382.8	71.6
0°-90°	5672.9	92.7
90°-120°	297.8	4.9
90°-150°	429.1	7.0
90°-180°	445.0	7.3
0°-180°	6118.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2433	2433	2433	2433	2433	
5°	2458	2417	2430	2413	2410	234
15°	2397	2346	2326	2273	2251	677
25°	2265	2164	1997	1788	1715	1044
35°	2022	1800	1432	1202	1148	1262
45°	1620	1284	975	940	968	1245
55°	1083	818	761	885	940	963
65°	553	495	620	759	799	559
75°	215	268	418	512	533	235
85°	43	125	246	315	324	50
90°	2	88	194	235	233	3
95°	2	74	154	165	160	2
105°	1	64	111	108	103	1
115°	1	58	98	97	94	1
125°	1	50	87	91	89	1
135°	2	37	69	80	80	2
145°	2	23	48	62	67	1
155°	2	15	30	39	48	1
165°	2	8	15	19	25	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°	2432.8	2432.8	2432.8	2432.8	2432.8
2.5°	2463.4	2423.2	2435.9	2425.4	2411.6
5°	2458.1	2416.9	2429.6	2412.7	2409.5
7.5°	2448.6	2407.4	2414.8	2394.7	2389.4
10°	2435.9	2392.6	2393.6	2365.1	2357.7
12.5°	2419.0	2371.4	2365.1	2326.0	2315.4
15°	2396.8	2346.1	2326.0	2273.1	2250.9
17.5°	2372.5	2313.3	2272.1	2190.6	2155.8
20°	2339.7	2273.1	2201.2	2077.5	2031.0
22.5°	2306.9	2224.5	2109.2	1944.3	1881.9
25°	2264.7	2164.2	1997.2	1787.8	1714.9
27.5°	2217.1	2093.4	1868.2	1627.1	1548.9
30°	2161.0	2007.7	1726.5	1469.6	1395.6
32.5°	2095.5	1911.5	1577.4	1327.9	1259.2
35°	2022.5	1800.5	1431.5	1202.1	1148.2
37.5°	1939.0	1678.9	1296.2	1100.6	1065.7
40°	1843.9	1546.8	1171.4	1022.4	1010.7
42.5°	1741.3	1417.8	1064.7	971.6	982.2
45°	1619.7	1283.5	974.8	939.9	968.5
47.5°	1491.8	1152.4	901.8	921.9	963.2
50°	1368.1	1030.8	844.8	910.3	958.9
52.5°	1214.8	921.9	799.3	899.7	952.6
55°	1082.6	818.3	761.2	884.9	939.9
57.5°	930.4	725.3	727.4	865.9	920.9
60°	803.5	640.7	694.6	839.5	892.3
62.5°	674.5	564.6	658.7	804.6	852.2
65°	552.9	494.8	619.6	759.1	799.3
67.5°	451.5	431.4	575.2	704.1	738.0
70°	365.8	373.2	526.5	642.8	671.4
72.5°	281.2	319.3	473.7	577.3	601.6
75°	214.6	268.5	417.6	511.7	532.9
77.5°	158.6	224.1	366.9	452.5	470.5
80°	112.1	185.0	319.3	400.7	414.4
82.5°	75.1	152.2	280.2	354.2	366.9
85°	43.3	124.8	246.3	315.1	323.5
87.5°	18.0	103.6	218.9	274.9	279.1
90°	2.1	87.8	194.5	234.7	232.6
92.5°	2.1	79.3	173.4	196.7	191.4
95°	2.1	74.0	154.4	164.9	159.6
97.5°	2.1	70.8	137.4	141.7	136.4
100°	1.1	68.7	125.8	125.8	120.5
102.5°	1.1	66.6	117.4	114.2	110.0
105°	1.1	64.5	111.0	107.8	102.6
107.5°	1.1	63.4	106.8	103.6	98.3
110°	1.1	61.3	103.6	100.4	96.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	60.3	101.5	99.4	94.1
115°	1.1	58.1	98.3	97.3	94.1
117.5°	1.1	56.0	96.2	96.2	93.0
120°	1.1	53.9	93.0	95.2	92.0
122.5°	1.1	51.8	89.9	93.0	89.9
125°	1.1	49.7	86.7	90.9	88.8
127.5°	2.1	46.5	82.5	88.8	86.7
130°	1.1	43.3	78.2	86.7	85.6
132.5°	2.1	40.2	74.0	83.5	83.5
135°	2.1	37.0	68.7	80.4	80.4
137.5°	2.1	32.8	63.4	76.1	77.2
140°	2.1	29.6	58.1	71.9	74.0
142.5°	2.1	26.4	52.9	67.7	70.8
145°	2.1	23.3	47.6	62.4	66.6
147.5°	2.1	21.1	42.3	56.0	62.4
150°	2.1	18.0	38.1	50.7	57.1
152.5°	2.1	15.9	33.8	45.5	52.9
155°	2.1	14.8	29.6	39.1	47.6
157.5°	2.1	12.7	25.4	33.8	42.3
160°	2.1	10.6	21.1	29.6	35.9
162.5°	2.1	9.5	18.0	24.3	31.7
165°	2.1	8.5	14.8	19.0	25.4
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)