

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-L935-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-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

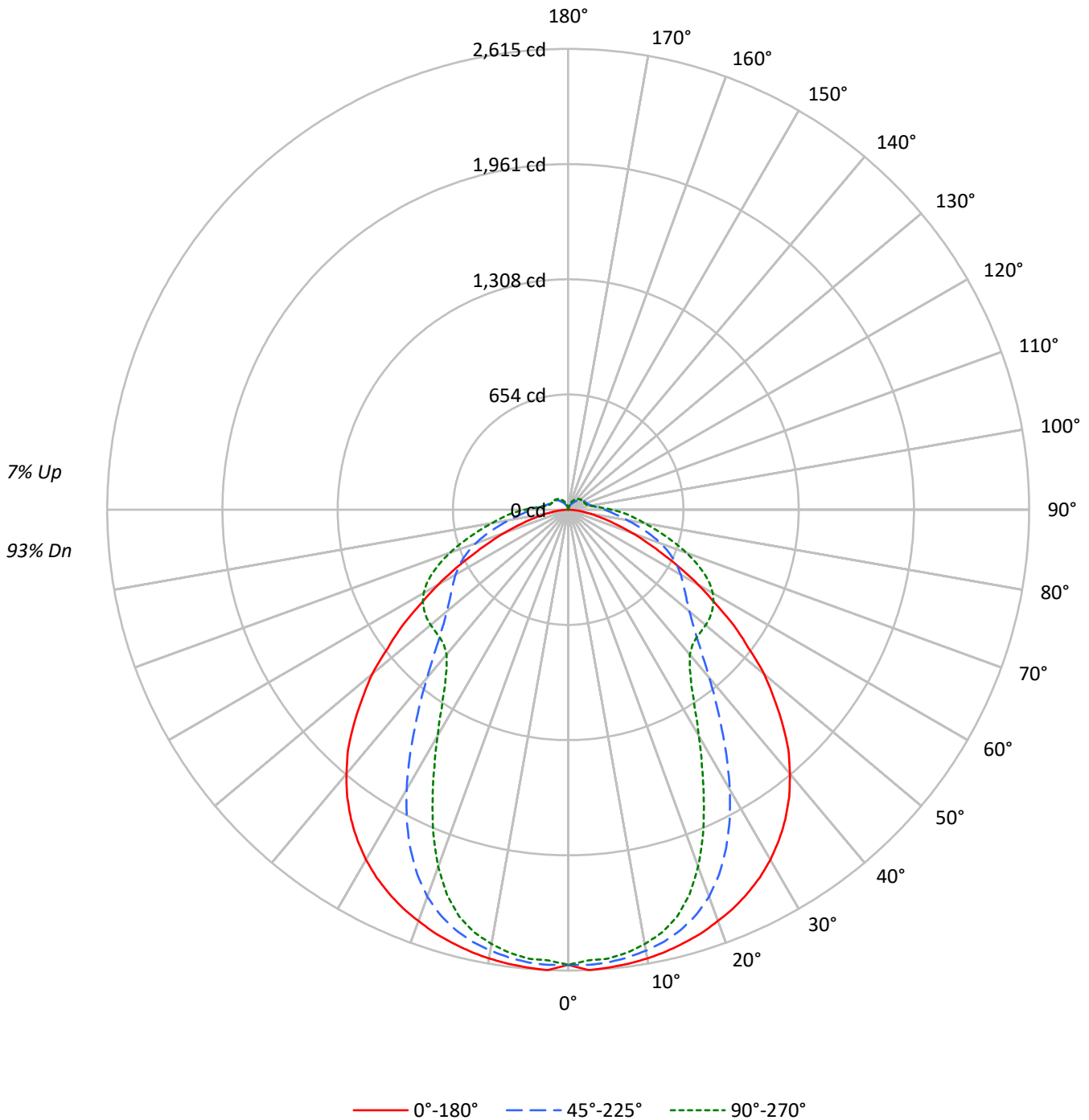
Lumens per Lamp: N/A  
Luminaire Lumens: 6494.0 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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°	10434	10434	10434
5°	10568	10213	10044
10°	10579	9940	9630
15°	10598	9615	9081
20°	10618	9128	8155
25°	10639	8372	6906
30°	10607	7373	5680
35°	10475	6279	4761
40°	10190	5323	4304
45°	9673	4632	4271
50°	8962	4240	4421
55°	7919	4081	4575
60°	6711	4029	4639
65°	5429	3947	4494
70°	4398	3752	4144
75°	3360	3406	3678
80°	2544	3071	3271
85°	1809	2914	3009



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.3	3.8
10°-20°	690.5	10.6
20°-30°	965.3	14.9
30°-40°	1001.2	15.4
40°-50°	925.0	14.2
50°-60°	825.8	12.7
60°-70°	669.3	10.3
70°-80°	445.2	6.9
80°-90°	254.9	3.9
90°-100°	141.0	2.2
100°-110°	95.5	1.5
110°-120°	79.5	1.2
120°-130°	64.6	1.0
130°-140°	46.6	0.7
140°-150°	28.1	0.4
150°-160°	13.5	0.2
160°-170°	3.5	0.1
170°-180°	0.0	0.0
0°-30°	1900.1	29.3
0°-40°	2901.4	44.7
0°-60°	4652.2	71.6
0°-90°	6021.6	92.7
90°-120°	316.0	4.9
90°-150°	455.4	7.0
90°-180°	472.0	7.3
0°-180°	6494.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2582	2582	2582	2582	2582	
5°	2609	2565	2579	2561	2558	248
15°	2544	2490	2469	2413	2389	719
25°	2404	2297	2120	1898	1820	1108
35°	2147	1911	1520	1276	1219	1339
45°	1719	1362	1035	998	1028	1322
55°	1149	869	808	939	998	1022
65°	587	525	658	806	848	593
75°	228	285	443	543	566	250
85°	46	132	262	334	343	53
90°	2	93	206	249	247	4
95°	2	79	164	175	170	2
105°	1	68	118	114	109	1
115°	1	62	104	103	100	1
125°	1	53	92	96	94	1
135°	2	39	73	85	85	2
145°	2	25	50	66	71	1
155°	2	16	31	42	50	1
165°	2	9	16	20	27	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-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2582.3	2582.3	2582.3	2582.3	2582.3
2.5°	2614.8	2572.2	2585.6	2574.4	2559.8
5°	2609.2	2565.4	2578.9	2561.0	2557.6
7.5°	2599.1	2555.3	2563.2	2541.9	2536.3
10°	2585.6	2539.6	2540.8	2510.5	2502.6
12.5°	2567.7	2517.2	2510.5	2468.9	2457.7
15°	2544.1	2490.3	2468.9	2412.8	2389.2
17.5°	2518.3	2455.5	2411.7	2325.3	2288.2
20°	2483.5	2412.8	2336.5	2205.2	2155.8
22.5°	2448.7	2361.2	2238.9	2063.8	1997.6
25°	2403.8	2297.2	2119.9	1897.7	1820.3
27.5°	2353.3	2222.0	1983.0	1727.1	1644.1
30°	2293.9	2131.1	1832.6	1559.9	1481.4
32.5°	2224.3	2029.0	1674.4	1409.5	1336.6
35°	2146.8	1911.2	1519.5	1276.0	1218.8
37.5°	2058.2	1782.1	1375.9	1168.3	1131.2
40°	1957.2	1641.8	1243.4	1085.2	1072.9
42.5°	1848.3	1504.9	1130.1	1031.3	1042.6
45°	1719.3	1362.4	1034.7	997.7	1028.0
47.5°	1583.5	1223.2	957.3	978.6	1022.4
50°	1452.2	1094.2	896.7	966.2	1017.9
52.5°	1289.5	978.6	848.4	955.0	1011.1
55°	1149.2	868.6	808.0	939.3	997.7
57.5°	987.6	769.9	772.1	919.1	977.5
60°	852.9	680.1	737.3	891.1	947.2
62.5°	716.0	599.3	699.2	854.0	904.5
65°	586.9	525.2	657.6	805.8	848.4
67.5°	479.2	457.9	610.5	747.4	783.3
70°	388.3	396.2	558.9	682.3	712.6
72.5°	298.5	338.9	502.8	612.7	638.6
75°	227.8	285.0	443.3	543.2	565.6
77.5°	168.3	237.9	389.4	480.3	499.4
80°	119.0	196.4	338.9	425.3	439.9
82.5°	79.7	161.6	297.4	376.0	389.4
85°	46.0	132.4	261.5	334.4	343.4
87.5°	19.1	110.0	232.3	291.8	296.3
90°	2.2	93.1	206.5	249.1	246.9
92.5°	2.2	84.2	184.0	208.7	203.1
95°	2.2	78.6	163.8	175.1	169.5
97.5°	2.2	75.2	145.9	150.4	144.8
100°	1.1	72.9	133.5	133.5	127.9
102.5°	1.1	70.7	124.6	121.2	116.7
105°	1.1	68.5	117.8	114.5	108.9
107.5°	1.1	67.3	113.3	110.0	104.4
110°	1.1	65.1	110.0	106.6	102.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	64.0	107.7	105.5	99.9
115°	1.1	61.7	104.4	103.2	99.9
117.5°	1.1	59.5	102.1	102.1	98.8
120°	1.1	57.2	98.8	101.0	97.6
122.5°	1.1	55.0	95.4	98.8	95.4
125°	1.1	52.7	92.0	96.5	94.3
127.5°	2.2	49.4	87.5	94.3	92.0
130°	1.1	46.0	83.0	92.0	90.9
132.5°	2.2	42.6	78.6	88.7	88.7
135°	2.2	39.3	72.9	85.3	85.3
137.5°	2.2	34.8	67.3	80.8	81.9
140°	2.2	31.4	61.7	76.3	78.6
142.5°	2.2	28.1	56.1	71.8	75.2
145°	2.2	24.7	50.5	66.2	70.7
147.5°	2.2	22.4	44.9	59.5	66.2
150°	2.2	19.1	40.4	53.9	60.6
152.5°	2.2	16.8	35.9	48.3	56.1
155°	2.2	15.7	31.4	41.5	50.5
157.5°	2.2	13.5	26.9	35.9	44.9
160°	2.2	11.2	22.4	31.4	38.2
162.5°	2.2	10.1	19.1	25.8	33.7
165°	2.2	9.0	15.7	20.2	26.9
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)