

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-L940-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-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

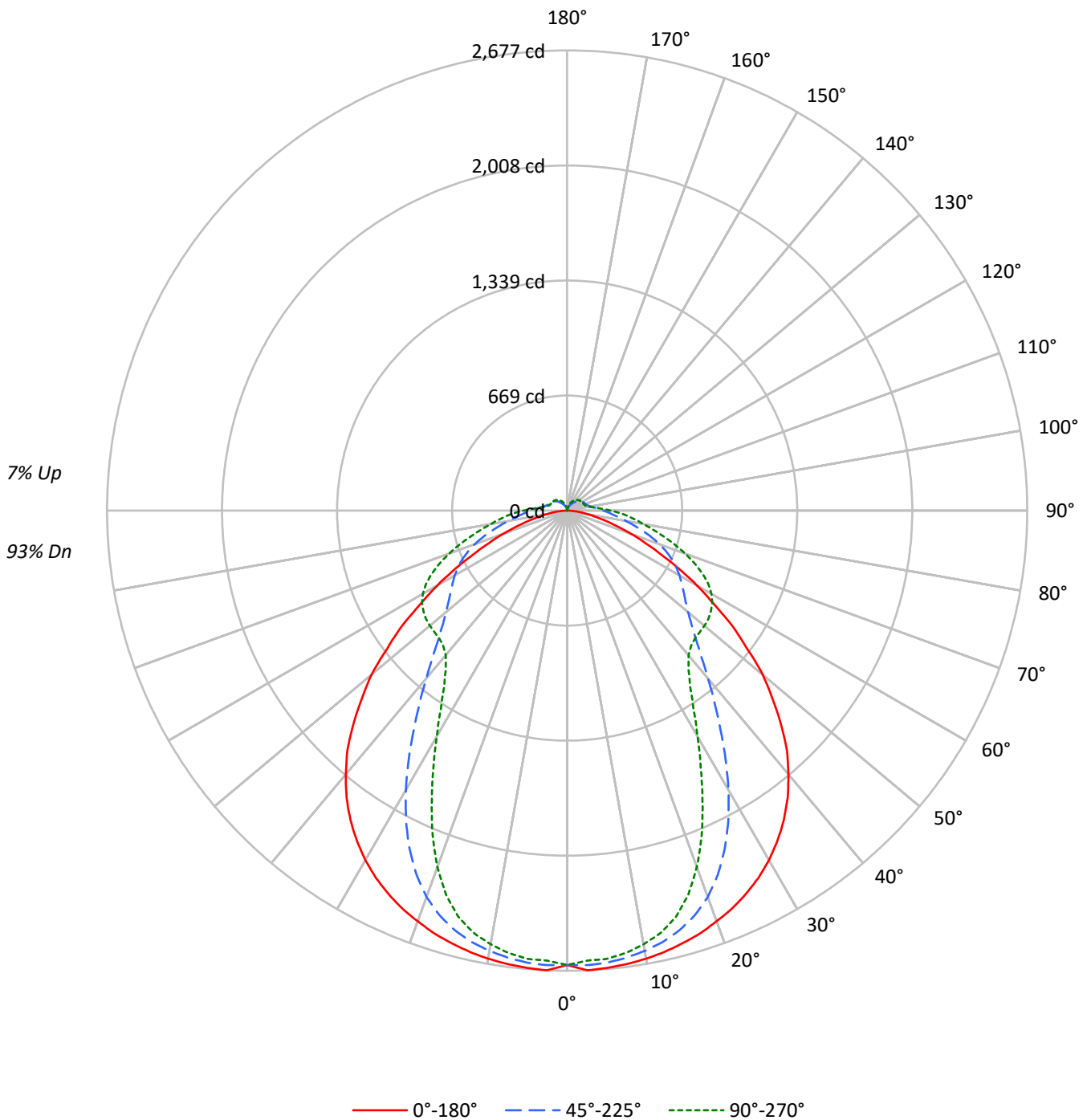
Lumens per Lamp: N/A  
Luminaire Lumens: 6648.0 lumens  
Efficiency: N/A  
Efficacy: 120.9 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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



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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°	10681	10681	10681
5°	10819	10455	10282
10°	10830	10175	9859
15°	10849	9843	9296
20°	10870	9344	8349
25°	10891	8570	7070
30°	10858	7548	5815
35°	10723	6428	4873
40°	10431	5450	4405
45°	9902	4741	4372
50°	9174	4340	4525
55°	8106	4178	4684
60°	6870	4124	4748
65°	5559	4041	4600
70°	4503	3841	4243
75°	3440	3487	3765
80°	2603	3144	3349
85°	1853	2983	3080



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.1	3.8
10°-20°	706.9	10.6
20°-30°	988.2	14.9
30°-40°	1025.0	15.4
40°-50°	946.9	14.2
50°-60°	845.4	12.7
60°-70°	685.1	10.3
70°-80°	455.7	6.9
80°-90°	261.0	3.9
90°-100°	144.4	2.2
100°-110°	97.8	1.5
110°-120°	81.4	1.2
120°-130°	66.2	1.0
130°-140°	47.7	0.7
140°-150°	28.8	0.4
150°-160°	13.8	0.2
160°-170°	3.6	0.1
170°-180°	0.0	0.0
0°-30°	1945.2	29.3
0°-40°	2970.2	44.7
0°-60°	4762.5	71.6
0°-90°	6164.3	92.7
90°-120°	323.5	4.9
90°-150°	466.2	7.0
90°-180°	484.0	7.3
0°-180°	6648.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2644	2644	2644	2644	2644	
5°	2671	2626	2640	2622	2618	254
15°	2604	2549	2528	2470	2446	736
25°	2461	2352	2170	1943	1863	1134
35°	2198	1956	1556	1306	1248	1371
45°	1760	1395	1059	1021	1052	1353
55°	1176	889	827	962	1021	1046
65°	601	538	673	825	868	607
75°	233	292	454	556	579	256
85°	47	136	268	342	352	54
90°	2	95	211	255	253	4
95°	2	80	168	179	174	2
105°	1	70	121	117	111	1
115°	1	63	107	106	102	1
125°	1	54	94	99	96	1
135°	2	40	75	87	87	2
145°	2	25	52	68	72	1
155°	2	16	32	42	52	1
165°	2	9	16	21	28	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°	2643.5	2643.5	2643.5	2643.5	2643.5
2.5°	2676.8	2633.2	2647.0	2635.5	2620.5
5°	2671.1	2626.3	2640.1	2621.7	2618.2
7.5°	2660.7	2615.9	2624.0	2602.2	2596.4
10°	2647.0	2599.9	2601.0	2570.0	2561.9
12.5°	2628.6	2576.9	2570.0	2527.5	2516.0
15°	2604.4	2549.3	2527.5	2470.0	2445.9
17.5°	2578.0	2513.7	2468.9	2380.4	2342.5
20°	2542.4	2470.0	2391.9	2257.5	2206.9
22.5°	2506.8	2417.2	2292.0	2112.7	2045.0
25°	2460.8	2351.7	2170.2	1942.7	1863.4
27.5°	2409.1	2274.7	2030.0	1768.1	1683.1
30°	2348.3	2181.7	1876.1	1596.9	1516.5
32.5°	2277.0	2077.1	1714.1	1443.0	1368.3
35°	2197.8	1956.5	1555.5	1306.2	1247.7
37.5°	2107.0	1824.4	1408.5	1196.0	1158.0
40°	2003.6	1680.8	1272.9	1110.9	1098.3
42.5°	1892.2	1540.6	1156.9	1055.8	1067.3
45°	1760.0	1394.7	1059.2	1021.3	1052.3
47.5°	1621.0	1252.2	980.0	1001.8	1046.6
50°	1486.6	1120.1	917.9	989.2	1042.0
52.5°	1320.0	1001.8	868.5	977.7	1035.1
55°	1176.4	889.2	827.2	961.6	1021.3
57.5°	1011.0	788.1	790.4	940.9	1000.7
60°	873.1	696.2	754.8	912.2	969.6
62.5°	733.0	613.5	715.7	874.3	926.0
65°	600.9	537.7	673.2	824.9	868.5
67.5°	490.6	468.7	625.0	765.1	801.9
70°	397.5	405.5	572.1	698.5	729.5
72.5°	305.6	347.0	514.7	627.3	653.7
75°	233.2	291.8	453.8	556.0	579.0
77.5°	172.3	243.6	398.7	491.7	511.2
80°	121.8	201.0	347.0	435.4	450.4
82.5°	81.6	165.4	304.4	384.9	398.7
85°	47.1	135.6	267.7	342.4	351.5
87.5°	19.5	112.6	237.8	298.7	303.3
90°	2.3	95.4	211.4	255.0	252.7
92.5°	2.3	86.2	188.4	213.7	207.9
95°	2.3	80.4	167.7	179.2	173.5
97.5°	2.3	77.0	149.4	153.9	148.2
100°	1.1	74.7	136.7	136.7	131.0
102.5°	1.1	72.4	127.5	124.1	119.5
105°	1.1	70.1	120.6	117.2	111.4
107.5°	1.1	68.9	116.0	112.6	106.8
110°	1.1	66.6	112.6	109.1	104.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	65.5	110.3	108.0	102.2
115°	1.1	63.2	106.8	105.7	102.2
117.5°	1.1	60.9	104.5	104.5	101.1
120°	1.1	58.6	101.1	103.4	100.0
122.5°	1.1	56.3	97.7	101.1	97.7
125°	1.1	54.0	94.2	98.8	96.5
127.5°	2.3	50.5	89.6	96.5	94.2
130°	1.1	47.1	85.0	94.2	93.1
132.5°	2.3	43.7	80.4	90.8	90.8
135°	2.3	40.2	74.7	87.3	87.3
137.5°	2.3	35.6	68.9	82.7	83.9
140°	2.3	32.2	63.2	78.1	80.4
142.5°	2.3	28.7	57.4	73.5	77.0
145°	2.3	25.3	51.7	67.8	72.4
147.5°	2.3	23.0	46.0	60.9	67.8
150°	2.3	19.5	41.4	55.1	62.0
152.5°	2.3	17.2	36.8	49.4	57.4
155°	2.3	16.1	32.2	42.5	51.7
157.5°	2.3	13.8	27.6	36.8	46.0
160°	2.3	11.5	23.0	32.2	39.1
162.5°	2.3	10.3	19.5	26.4	34.5
165°	2.3	9.2	16.1	20.7	27.6
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)