

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-LD5-64SL-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 (P27410)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-64SL-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

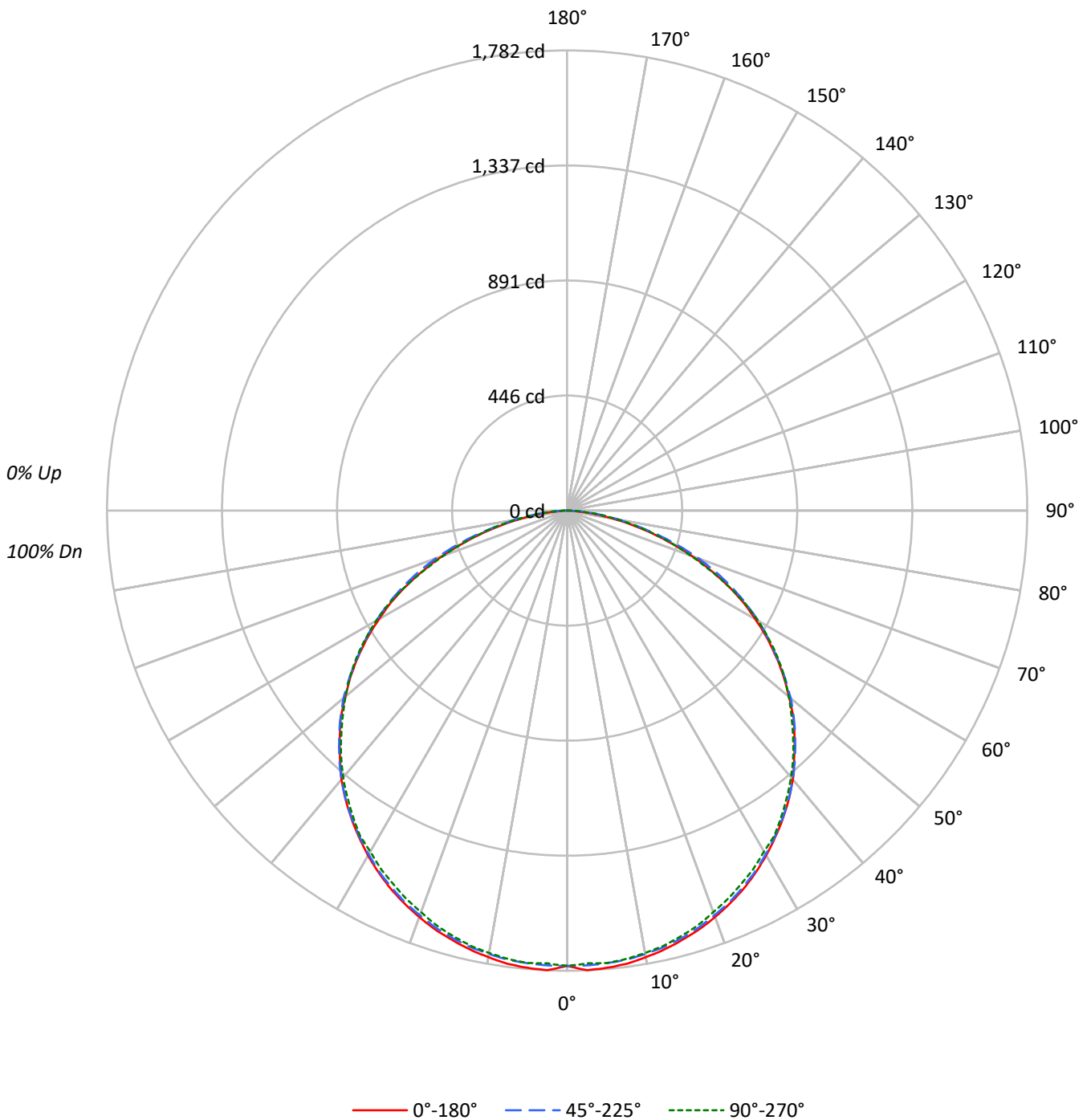
Lumens per Lamp: N/A  
Luminaire Lumens: 5289.0 lumens  
Efficiency: N/A  
Efficacy: 125.9 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 42  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

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

	0°	45°	90°
0°	7124	7124	7124
5°	7198	6968	6906
10°	7185	6822	6693
15°	7172	6674	6484
20°	7162	6516	6260
25°	7153	6358	6052
30°	7131	6187	5846
35°	7108	6009	5649
40°	7081	5819	5413
45°	7007	5591	5142
50°	6920	5344	4866
55°	6811	5010	4569
60°	6621	4670	4181
65°	6335	4227	3637
70°	5823	3640	2949
75°	5012	2787	2267
80°	3839	1842	1486
85°	2112	903	663



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.3	3.2
10°-20°	482.6	9.1
20°-30°	738.7	14.0
30°-40°	905.1	17.1
40°-50°	957.3	18.1
50°-60°	883.6	16.7
60°-70°	682.0	12.9
70°-80°	378.6	7.2
80°-90°	93.8	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1388.6	26.3
0°-40°	2293.7	43.4
0°-60°	4134.6	78.2
0°-90°	5289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5289.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1763	1763	1763	1763	1763	
5°	1777	1754	1760	1755	1759	169
15°	1722	1702	1714	1708	1706	486
25°	1616	1597	1610	1596	1595	745
35°	1457	1441	1454	1438	1446	911
45°	1246	1234	1249	1236	1238	961
55°	988	981	992	991	996	882
65°	685	678	704	700	687	675
75°	340	360	363	362	349	360
85°	54	79	81	82	76	72
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1763.1	1763.1	1763.1	1763.1	1763.1
2.5°	1781.6	1758.7	1763.1	1760.5	1755.2
5°	1777.2	1754.3	1759.6	1755.2	1758.7
7.5°	1770.1	1745.5	1754.3	1748.1	1751.7
10°	1756.1	1734.9	1743.7	1736.7	1739.3
12.5°	1741.1	1719.1	1731.4	1722.6	1726.1
15°	1721.7	1701.5	1713.8	1707.6	1705.9
17.5°	1700.6	1681.2	1693.6	1686.5	1683.9
20°	1675.1	1656.6	1668.0	1657.5	1654.8
22.5°	1646.9	1628.4	1641.6	1626.7	1627.5
25°	1616.1	1596.7	1609.9	1595.9	1595.0
27.5°	1580.9	1562.4	1576.5	1561.5	1563.3
30°	1542.2	1523.7	1537.8	1522.8	1524.6
32.5°	1499.9	1484.9	1497.3	1483.2	1492.9
35°	1456.8	1440.9	1454.1	1438.3	1446.2
37.5°	1410.1	1395.2	1409.2	1391.6	1398.7
40°	1360.0	1346.8	1359.1	1343.2	1349.4
42.5°	1301.9	1293.9	1306.3	1290.4	1295.7
45°	1245.5	1234.1	1249.0	1235.8	1237.6
47.5°	1189.2	1176.9	1191.0	1179.5	1178.6
50°	1121.4	1117.0	1130.2	1121.4	1120.5
52.5°	1057.2	1048.4	1062.4	1058.0	1060.7
55°	988.5	980.6	992.0	991.1	996.4
57.5°	917.2	909.3	924.2	922.5	926.9
60°	841.5	835.3	854.7	850.3	853.8
62.5°	767.6	756.1	780.8	777.2	775.5
65°	684.8	677.8	704.2	699.8	686.6
67.5°	599.4	596.8	624.1	615.3	593.3
70°	514.1	515.8	542.2	525.5	507.0
72.5°	424.3	437.5	453.3	441.0	427.8
75°	339.8	360.0	362.7	361.8	348.6
77.5°	257.0	282.6	276.4	282.6	272.0
80°	179.6	207.7	203.3	208.6	199.8
82.5°	110.9	136.4	137.3	140.8	132.9
85°	53.7	79.2	81.0	81.9	75.7
87.5°	11.4	37.0	37.8	35.2	30.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)