

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-LD5-80SL-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 (P27410)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-80SL-UNV-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

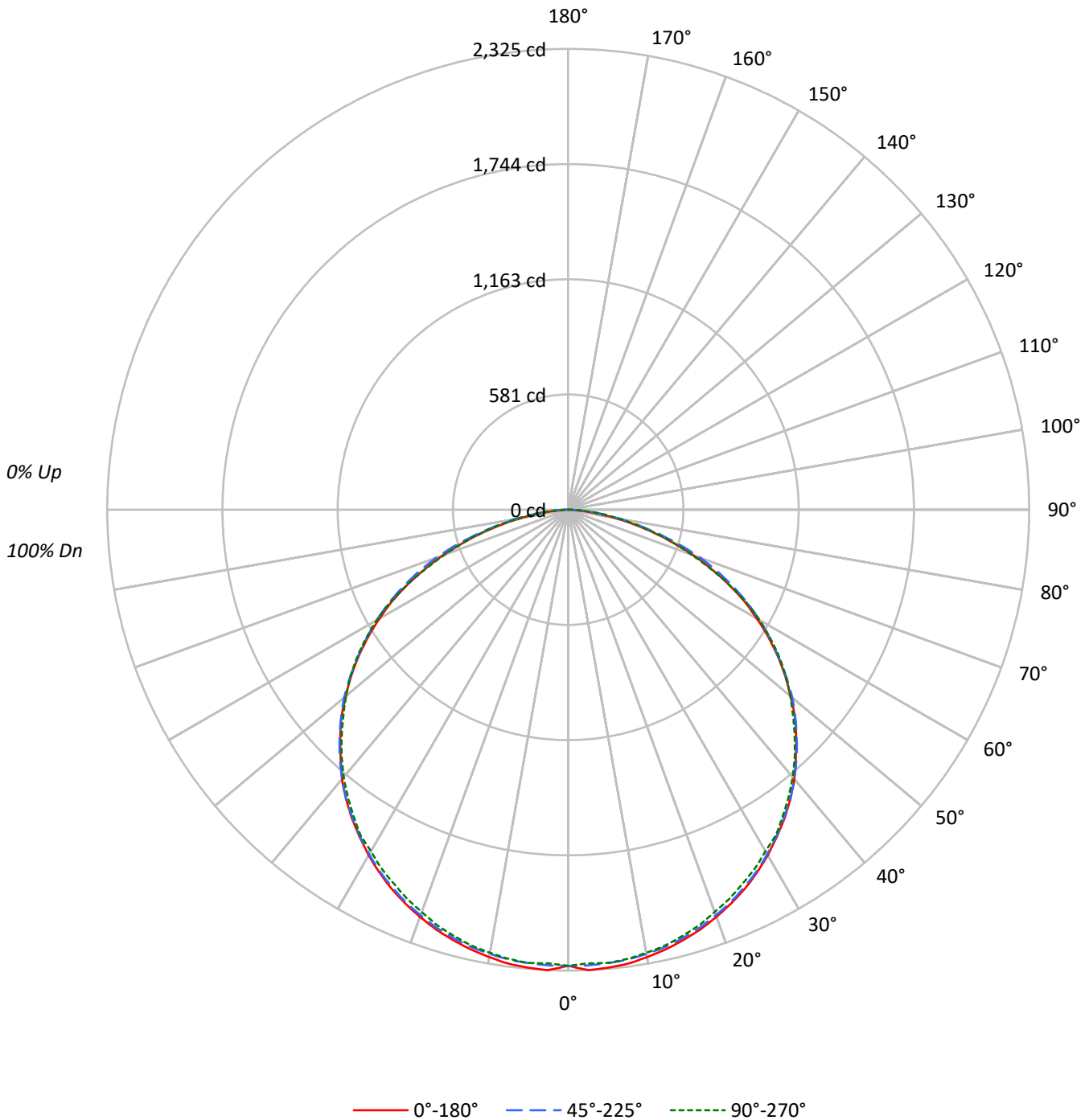
Lumens per Lamp: N/A  
Luminaire Lumens: 6903.0 lumens  
Efficiency: N/A  
Efficacy: 125.5 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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

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

	0°	45°	90°
0°	9298	9298	9298
5°	9395	9094	9014
10°	9377	8904	8736
15°	9361	8711	8462
20°	9347	8505	8170
25°	9336	8298	7898
30°	9307	8075	7630
35°	9277	7843	7372
40°	9241	7594	7064
45°	9146	7298	6711
50°	9032	6974	6352
55°	8890	6539	5964
60°	8642	6095	5457
65°	8268	5516	4746
70°	7600	4751	3848
75°	6542	3637	2958
80°	5010	2405	1939
85°	2757	1178	866



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.4	3.2
10°-20°	629.8	9.1
20°-30°	964.1	14.0
30°-40°	1181.3	17.1
40°-50°	1249.4	18.1
50°-60°	1153.3	16.7
60°-70°	890.2	12.9
70°-80°	494.1	7.2
80°-90°	122.4	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°	1812.4	26.3
0°-40°	2993.7	43.4
0°-60°	5396.4	78.2
0°-90°	6903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6903.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2301	2301	2301	2301	2301	
5°	2320	2290	2296	2291	2295	221
15°	2247	2221	2237	2229	2226	635
25°	2109	2084	2101	2083	2082	972
35°	1901	1881	1898	1877	1888	1190
45°	1626	1611	1630	1613	1615	1255
55°	1290	1280	1295	1294	1300	1152
65°	894	885	919	913	896	881
75°	444	470	473	472	455	470
85°	70	103	106	107	99	94
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2301.1	2301.1	2301.1	2301.1	2301.1
2.5°	2325.3	2295.4	2301.1	2297.7	2290.8
5°	2319.5	2289.6	2296.5	2290.8	2295.4
7.5°	2310.3	2278.2	2289.6	2281.6	2286.2
10°	2291.9	2264.4	2275.9	2266.7	2270.1
12.5°	2272.4	2243.7	2259.8	2248.3	2252.9
15°	2247.1	2220.7	2236.8	2228.8	2226.5
17.5°	2219.6	2194.3	2210.4	2201.2	2197.7
20°	2186.2	2162.1	2177.1	2163.3	2159.8
22.5°	2149.5	2125.4	2142.6	2123.1	2124.2
25°	2109.3	2084.0	2101.2	2082.9	2081.7
27.5°	2063.3	2039.2	2057.6	2038.0	2040.3
30°	2012.8	1988.6	2007.0	1987.5	1989.8
32.5°	1957.6	1938.1	1954.2	1935.8	1948.4
35°	1901.3	1880.7	1897.9	1877.2	1887.5
37.5°	1840.4	1820.9	1839.3	1816.3	1825.5
40°	1775.0	1757.7	1773.8	1753.1	1761.2
42.5°	1699.1	1688.8	1704.9	1684.2	1691.1
45°	1625.6	1610.7	1630.2	1613.0	1615.3
47.5°	1552.1	1536.0	1554.4	1539.4	1538.3
50°	1463.6	1457.9	1475.1	1463.6	1462.5
52.5°	1379.8	1368.3	1386.7	1380.9	1384.4
55°	1290.2	1279.8	1294.7	1293.6	1300.5
57.5°	1197.1	1186.8	1206.3	1204.0	1209.7
60°	1098.3	1090.3	1115.5	1109.8	1114.4
62.5°	1001.8	986.9	1019.0	1014.4	1012.1
65°	893.8	884.6	919.1	913.3	896.1
67.5°	782.4	778.9	814.5	803.0	774.3
70°	670.9	673.2	707.7	685.9	661.7
72.5°	553.7	571.0	591.7	575.6	558.3
75°	443.5	469.9	473.3	472.2	454.9
77.5°	335.5	368.8	360.7	368.8	355.0
80°	234.4	271.1	265.4	272.3	260.8
82.5°	144.8	178.1	179.2	183.8	173.5
85°	70.1	103.4	105.7	106.8	98.8
87.5°	14.9	48.3	49.4	46.0	40.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)