

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-LD5-88SL-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-LD5-88SL-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

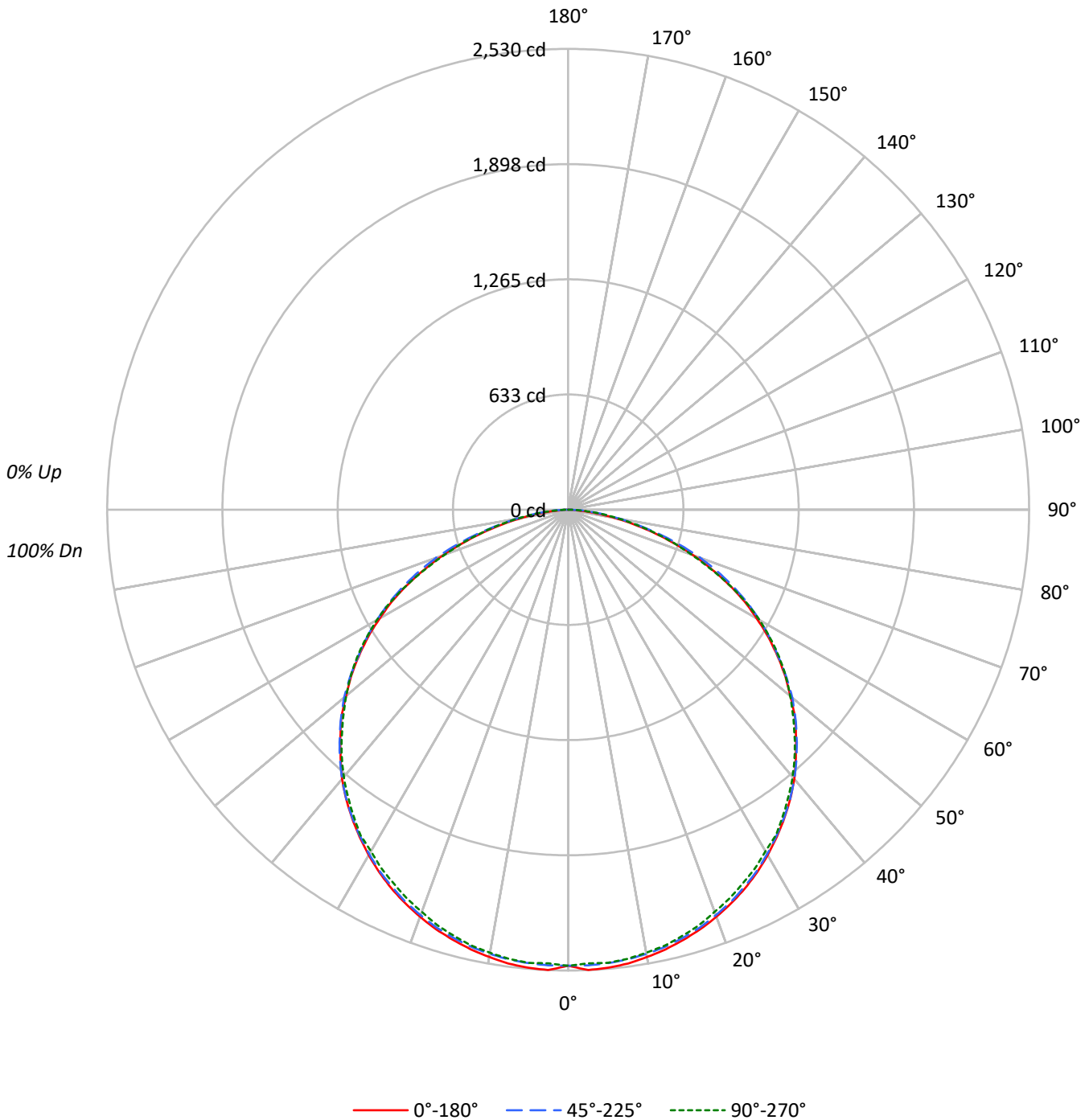
Lumens per Lamp: N/A
Luminaire Lumens: 7510.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 61
Input Voltage (V): NR
Input Current (A_{in}): 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°	10115	10115	10115
5°	10221	9894	9806
10°	10202	9686	9504
15°	10184	9477	9206
20°	10169	9253	8889
25°	10156	9028	8593
30°	10125	8785	8301
35°	10093	8533	8021
40°	10053	8262	7685
45°	9951	7939	7301
50°	9826	7588	6910
55°	9672	7114	6488
60°	9402	6631	5937
65°	8995	6001	5164
70°	8268	5169	4187
75°	7116	3956	3218
80°	5450	2616	2110
85°	2997	1282	942



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.6	3.2
10°-20°	685.2	9.1
20°-30°	1048.9	14.0
30°-40°	1285.1	17.1
40°-50°	1359.3	18.1
50°-60°	1254.7	16.7
60°-70°	968.4	12.9
70°-80°	537.5	7.2
80°-90°	133.1	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°	1971.8	26.3
0°-40°	3256.9	43.4
0°-60°	5870.9	78.2
0°-90°	7510.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7510.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2504	2504	2504	2504	2504	
5°	2524	2491	2498	2492	2497	240
15°	2445	2416	2434	2425	2422	691
25°	2295	2267	2286	2266	2265	1058
35°	2068	2046	2065	2042	2054	1294
45°	1769	1752	1774	1755	1757	1365
55°	1404	1392	1409	1407	1415	1253
65°	972	962	1000	994	975	959
75°	482	511	515	514	495	512
85°	76	112	115	116	108	103
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2503.5	2503.5	2503.5	2503.5	2503.5
2.5°	2529.7	2497.2	2503.5	2499.7	2492.2
5°	2523.5	2491.0	2498.5	2492.2	2497.2
7.5°	2513.5	2478.5	2491.0	2482.2	2487.2
10°	2493.5	2463.5	2476.0	2466.0	2469.7
12.5°	2472.2	2441.0	2458.5	2446.0	2451.0
15°	2444.7	2416.0	2433.5	2424.7	2422.2
17.5°	2414.7	2387.2	2404.7	2394.7	2391.0
20°	2378.5	2352.2	2368.5	2353.5	2349.7
22.5°	2338.5	2312.2	2331.0	2309.7	2311.0
25°	2294.7	2267.3	2286.0	2266.0	2264.8
27.5°	2244.8	2218.5	2238.5	2217.3	2219.8
30°	2189.8	2163.5	2183.5	2162.3	2164.8
32.5°	2129.8	2108.5	2126.0	2106.0	2119.8
35°	2068.5	2046.0	2064.8	2042.3	2053.5
37.5°	2002.3	1981.0	2001.0	1976.0	1986.0
40°	1931.0	1912.3	1929.8	1907.3	1916.0
42.5°	1848.5	1837.3	1854.8	1832.3	1839.8
45°	1768.6	1752.3	1773.6	1754.8	1757.3
47.5°	1688.6	1671.1	1691.1	1674.8	1673.6
50°	1592.3	1586.1	1604.8	1592.3	1591.1
52.5°	1501.1	1488.6	1508.6	1502.3	1506.1
55°	1403.6	1392.3	1408.6	1407.3	1414.8
57.5°	1302.4	1291.1	1312.4	1309.9	1316.1
60°	1194.9	1186.1	1213.6	1207.4	1212.4
62.5°	1089.9	1073.6	1108.6	1103.6	1101.1
65°	972.4	962.4	999.9	993.6	974.9
67.5°	851.2	847.4	886.2	873.7	842.4
70°	729.9	732.4	769.9	746.2	719.9
72.5°	602.4	621.2	643.7	626.2	607.4
75°	482.4	511.2	514.9	513.7	494.9
77.5°	365.0	401.2	392.5	401.2	386.2
80°	255.0	295.0	288.7	296.2	283.7
82.5°	157.5	193.7	195.0	200.0	188.7
85°	76.2	112.5	115.0	116.2	107.5
87.5°	16.2	52.5	53.7	50.0	43.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)