

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: P218243

Luminaire Tested: **8TSNLED-LD5-60SL-LN-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-60SL-LN-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5848.0 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

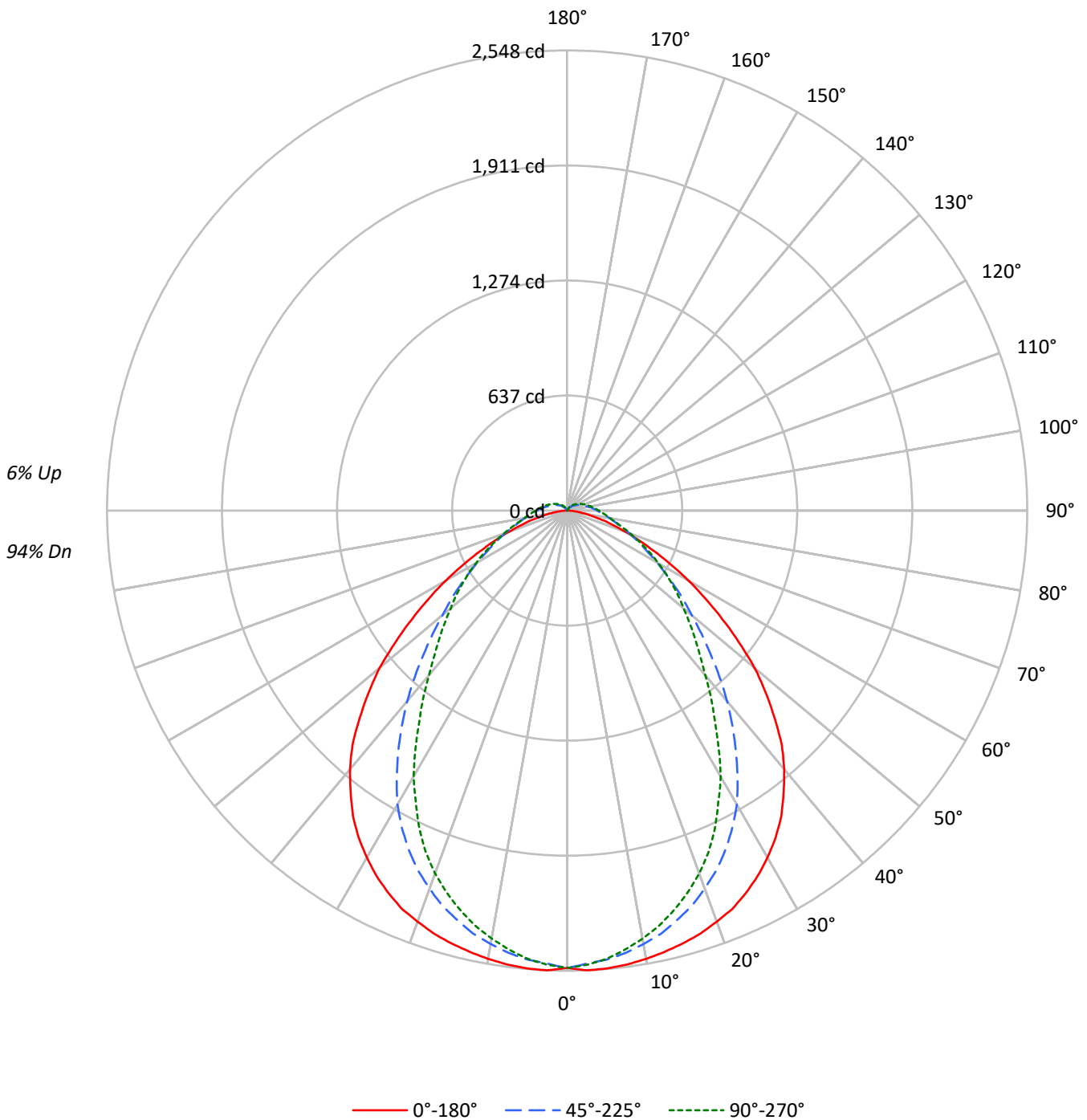
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20405	20405	20405
5°	20545	18985	18537
10°	20543	17687	16735
15°	20572	16409	15059
20°	20607	15125	13441
25°	20588	13791	11749
30°	20392	12341	10031
35°	20041	10649	8252
40°	19331	9021	6801
45°	18122	7421	5704
50°	16580	6062	4810
55°	14330	5007	4099
60°	12074	4104	3434
65°	9669	3412	2839
70°	7619	2871	2343
75°	5871	2440	1946
80°	4219	2161	1671
85°	2761	1971	1512



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.1	4.1
10°-20°	668.2	11.4
20°-30°	967.7	16.5
30°-40°	1053.2	18.0
40°-50°	935.4	16.0
50°-60°	712.0	12.2
60°-70°	472.7	8.1
70°-80°	288.0	4.9
80°-90°	178.5	3.1
90°-100°	121.9	2.1
100°-110°	85.6	1.5
110°-120°	58.3	1.0
120°-130°	37.0	0.6
130°-140°	21.0	0.4
140°-150°	9.9	0.2
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1874.0	32.0
0°-40°	2927.2	50.1
0°-60°	4574.5	78.2
0°-90°	5513.7	94.3
90°-120°	265.7	4.5
90°-150°	333.6	5.7
90°-180°	334.0	5.7
0°-180°	5848.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2533	2533	2533	2533	2533	
5°	2545	2530	2496	2508	2493	242
15°	2480	2437	2348	2320	2289	701
25°	2338	2234	2074	1990	1938	1077
35°	2067	1882	1630	1488	1426	1288
45°	1624	1380	1122	1026	1001	1250
55°	1051	854	724	712	709	942
65°	530	456	456	474	468	534
75°	203	231	290	305	296	220
85°	37	117	197	210	203	44
90°	0	86	166	182	176	3
95°	0	68	142	157	154	0
105°	0	43	102	117	117	0
115°	0	28	74	89	86	0
125°	0	18	49	62	62	0
135°	0	12	34	43	43	0
145°	0	6	18	25	25	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	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°	2532.6	2532.6	2532.6	2532.6	2532.6
2.5°	2548.0	2535.7	2511.1	2526.5	2517.2
5°	2545.0	2529.5	2495.7	2508.0	2492.6
7.5°	2535.7	2517.2	2471.0	2477.2	2452.5
10°	2520.3	2495.7	2437.1	2431.0	2406.3
12.5°	2501.8	2471.0	2400.1	2378.6	2353.9
15°	2480.2	2437.1	2347.8	2320.0	2289.2
17.5°	2455.6	2397.1	2295.4	2252.3	2218.4
20°	2421.7	2350.8	2227.6	2175.2	2138.3
22.5°	2387.8	2295.4	2156.7	2085.9	2045.8
25°	2338.5	2233.8	2073.5	1990.4	1938.0
27.5°	2283.1	2162.9	1981.1	1873.3	1814.7
30°	2218.4	2079.7	1879.4	1753.1	1700.7
32.5°	2147.5	1987.3	1756.2	1620.6	1562.1
35°	2067.4	1882.5	1629.9	1488.1	1426.5
37.5°	1968.8	1768.5	1503.6	1358.7	1309.4
40°	1870.2	1648.4	1377.2	1241.7	1189.3
42.5°	1759.3	1515.9	1247.8	1124.6	1087.6
45°	1623.7	1380.3	1121.5	1026.0	1001.3
47.5°	1491.2	1241.7	1007.5	939.7	918.2
50°	1355.7	1106.1	899.7	856.5	841.1
52.5°	1198.5	973.6	810.3	782.6	776.4
55°	1050.6	853.5	724.0	711.7	708.6
57.5°	908.9	739.5	643.9	653.2	647.0
60°	776.4	634.7	573.1	585.4	582.3
62.5°	647.0	539.2	508.4	533.0	526.9
65°	529.9	456.0	456.0	474.5	468.3
67.5°	428.3	388.2	406.7	425.2	419.0
70°	342.0	326.6	363.6	379.0	372.8
72.5°	265.0	274.2	320.4	338.9	329.7
75°	203.3	231.1	289.6	305.0	295.8
77.5°	144.8	194.1	261.9	274.2	265.0
80°	101.7	163.3	237.2	249.6	240.3
82.5°	64.7	138.6	215.7	228.0	221.8
85°	37.0	117.1	197.2	209.5	203.3
87.5°	18.5	101.7	178.7	194.1	187.9
90°	0.0	86.3	166.4	181.8	175.6
92.5°	0.0	77.0	154.1	169.5	163.3
95°	0.0	67.8	141.7	157.1	154.1
97.5°	0.0	61.6	132.5	147.9	141.7
100°	0.0	52.4	120.2	135.6	132.5
102.5°	0.0	49.3	110.9	126.3	123.2
105°	0.0	43.1	101.7	117.1	117.1
107.5°	0.0	40.1	95.5	110.9	107.8
110°	0.0	33.9	86.3	101.7	101.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.8	80.1	95.5	92.4
115°	0.0	27.7	73.9	89.4	86.3
117.5°	0.0	27.7	67.8	80.1	80.1
120°	0.0	24.6	61.6	73.9	73.9
122.5°	0.0	21.6	55.5	67.8	67.8
125°	0.0	18.5	49.3	61.6	61.6
127.5°	0.0	18.5	46.2	58.5	58.5
130°	0.0	15.4	40.1	52.4	52.4
132.5°	0.0	12.3	37.0	46.2	46.2
135°	0.0	12.3	33.9	43.1	43.1
137.5°	0.0	9.2	27.7	37.0	37.0
140°	0.0	9.2	24.6	33.9	33.9
142.5°	0.0	6.2	21.6	30.8	27.7
145°	0.0	6.2	18.5	24.6	24.6
147.5°	0.0	3.1	15.4	21.6	21.6
150°	0.0	3.1	12.3	18.5	15.4
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
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)