

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: P218015

Luminaire Tested: **8TSNLED-LD5-88SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-88SL-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8207.0 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

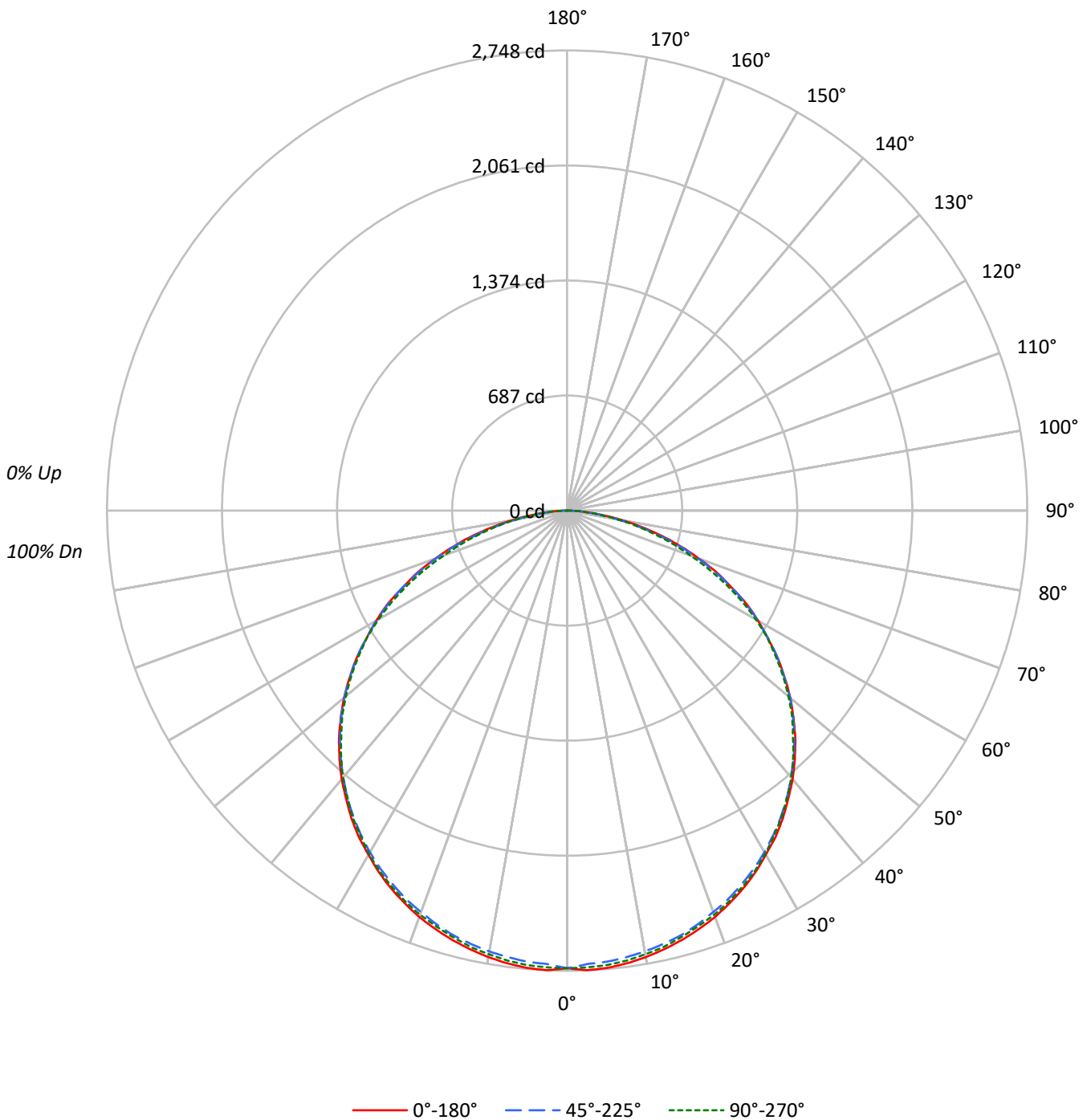
Input Watts (W): 61.16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	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	25	37	30	25	36	30	25	36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22022	22022	22022
5°	22134	20577	20264
10°	22071	19404	18713
15°	22012	18349	17346
20°	21978	17325	16147
25°	21915	16385	15022
30°	21812	15469	13961
35°	21764	14557	12922
40°	21652	13627	11914
45°	21510	12697	10866
50°	21279	11704	9869
55°	20944	10620	8801
60°	20481	9431	7684
65°	19733	8112	6367
70°	18654	6566	4924
75°	16967	4736	3529
80°	14014	2818	2191
85°	9322	1219	886



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.0	3.2
10°-20°	745.7	9.1
20°-30°	1142.5	13.9
30°-40°	1398.4	17.0
40°-50°	1479.8	18.0
50°-60°	1368.7	16.7
60°-70°	1062.8	12.9
70°-80°	598.6	7.3
80°-90°	151.4	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°	2147.2	26.2
0°-40°	3545.6	43.2
0°-60°	6394.2	77.9
0°-90°	8207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8207.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2733	2733	2733	2733	2733	
5°	2742	2730	2705	2730	2725	261
15°	2654	2645	2625	2648	2637	749
25°	2489	2481	2464	2484	2478	1147
35°	2245	2237	2228	2234	2234	1404
45°	1927	1924	1919	1916	1907	1485
55°	1536	1541	1536	1530	1521	1370
65°	1081	1090	1084	1070	1050	1073
75°	588	588	562	548	536	619
85°	125	125	122	122	119	156
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2733.3	2733.3	2733.3	2733.3	2733.3
2.5°	2747.5	2736.1	2710.6	2736.1	2730.4
5°	2741.8	2730.4	2704.9	2730.4	2724.8
7.5°	2727.6	2719.1	2690.7	2716.2	2710.6
10°	2707.7	2699.2	2673.7	2699.2	2690.7
12.5°	2682.2	2673.7	2651.0	2673.7	2668.0
15°	2653.8	2645.3	2625.4	2648.1	2636.8
17.5°	2619.7	2614.1	2591.4	2614.1	2602.7
20°	2582.8	2571.5	2551.6	2574.3	2568.7
22.5°	2537.4	2531.8	2511.9	2531.8	2526.1
25°	2489.2	2480.7	2463.6	2483.5	2477.8
27.5°	2435.3	2429.6	2412.5	2426.7	2426.7
30°	2372.8	2370.0	2355.8	2370.0	2367.1
32.5°	2313.2	2307.5	2293.3	2304.7	2299.0
35°	2245.1	2236.6	2228.1	2233.7	2233.7
37.5°	2168.5	2165.6	2157.1	2165.6	2157.1
40°	2094.7	2089.0	2080.5	2083.3	2083.3
42.5°	2012.3	2009.5	2001.0	2001.0	1998.2
45°	1927.2	1924.4	1918.7	1915.8	1907.3
47.5°	1833.5	1830.7	1830.7	1827.9	1822.2
50°	1739.9	1739.9	1737.0	1728.5	1725.7
52.5°	1637.7	1643.4	1634.9	1629.2	1626.3
55°	1535.5	1541.2	1535.5	1529.8	1521.3
57.5°	1422.0	1433.3	1424.8	1422.0	1419.1
60°	1317.0	1322.6	1317.0	1308.5	1302.8
62.5°	1209.1	1209.1	1200.6	1194.9	1177.9
65°	1081.4	1089.9	1084.2	1070.0	1050.2
67.5°	967.9	962.2	956.5	939.5	916.8
70°	837.3	840.1	831.6	806.1	783.4
72.5°	712.4	718.1	701.1	667.0	661.3
75°	587.5	587.5	562.0	547.8	536.4
77.5°	459.8	462.6	428.6	425.7	422.9
80°	337.8	343.4	309.4	317.9	315.1
82.5°	229.9	224.2	210.0	210.0	207.2
85°	124.9	124.9	122.0	122.0	119.2
87.5°	48.3	51.1	56.8	62.4	59.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)