

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: P218031

Luminaire Tested: **8TSNLED-LD5-130HL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218031
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-LD5-130HL-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12143.0 lumens
Efficiency: N/A
Efficacy: 141.4 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

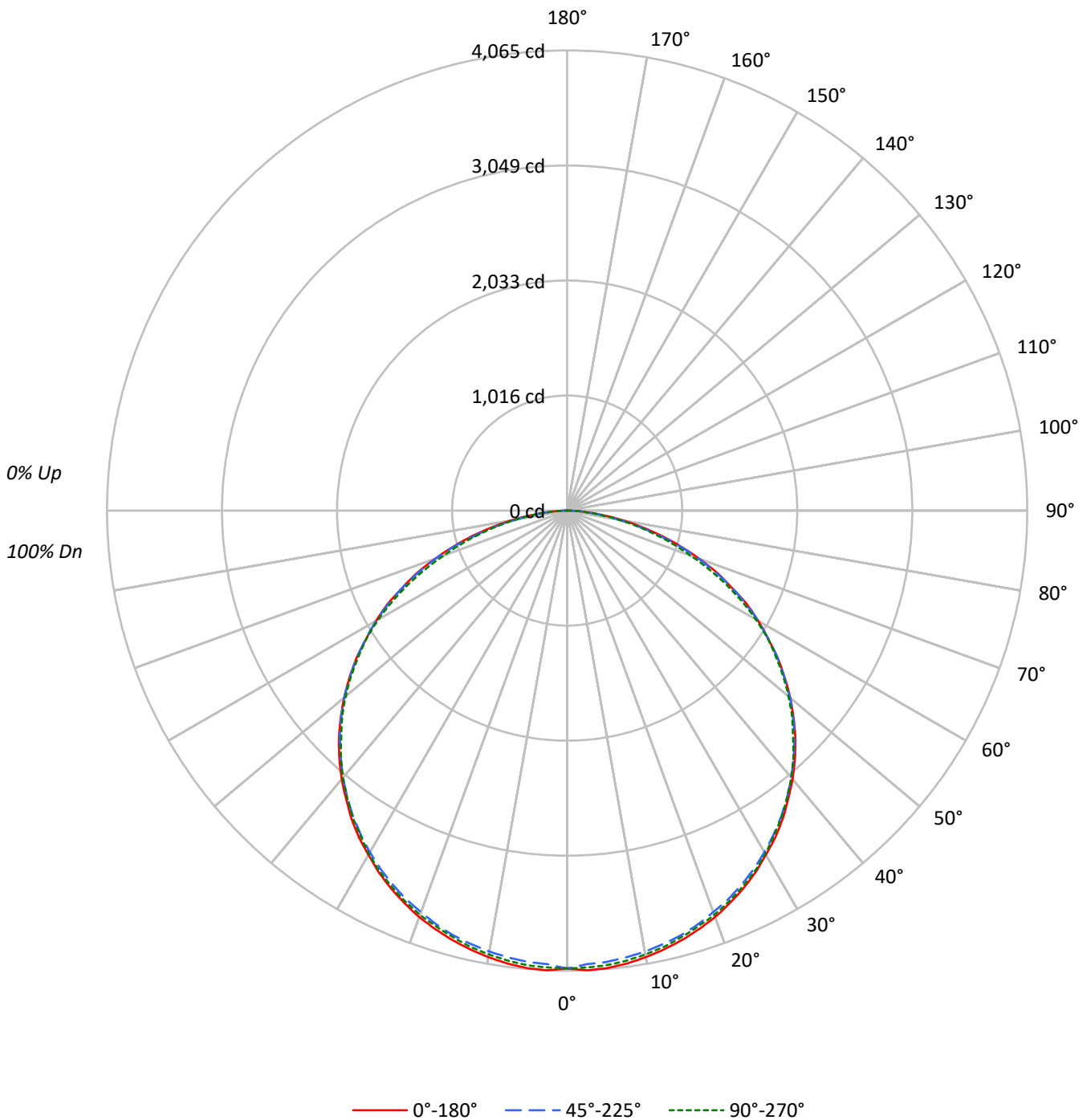
Input Watts (W): 85.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	32583	32583	32583
5°	32749	30445	29982
10°	32656	28709	27688
15°	32569	27149	25664
20°	32519	25635	23891
25°	32425	24244	22227
30°	32273	22888	20657
35°	32201	21538	19119
40°	32035	20162	17628
45°	31826	18786	16078
50°	31484	17317	14602
55°	30989	15713	13021
60°	30303	13953	11369
65°	29196	12002	9420
70°	27601	9716	7286
75°	25105	7007	5221
80°	20731	4169	3242
85°	13792	1805	1312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.3	3.2
10°-20°	1103.3	9.1
20°-30°	1690.4	13.9
30°-40°	2069.1	17.0
40°-50°	2189.6	18.0
50°-60°	2025.1	16.7
60°-70°	1572.5	12.9
70°-80°	885.7	7.3
80°-90°	224.0	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°	3177.0	26.2
0°-40°	5246.1	43.2
0°-60°	9460.7	77.9
0°-90°	12143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12143.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4044	4044	4044	4044	4044	
5°	4057	4040	4002	4040	4032	385
15°	3926	3914	3884	3918	3901	1109
25°	3683	3670	3645	3675	3666	1698
35°	3322	3309	3297	3305	3305	2077
45°	2852	2847	2839	2835	2822	2197
55°	2272	2280	2272	2264	2251	2027
65°	1600	1613	1604	1583	1554	1587
75°	869	869	832	810	794	916
85°	185	185	181	181	176	230
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4044.1	4044.1	4044.1	4044.1	4044.1
2.5°	4065.1	4048.3	4010.5	4048.3	4039.9
5°	4056.7	4039.9	4002.1	4039.9	4031.5
7.5°	4035.7	4023.1	3981.1	4018.9	4010.5
10°	4006.3	3993.7	3955.9	3993.7	3981.1
12.5°	3968.5	3955.9	3922.3	3955.9	3947.5
15°	3926.5	3913.9	3884.5	3918.1	3901.3
17.5°	3876.1	3867.7	3834.2	3867.7	3851.0
20°	3821.6	3804.8	3775.4	3809.0	3800.6
22.5°	3754.4	3746.0	3716.6	3746.0	3737.6
25°	3683.0	3670.4	3645.2	3674.6	3666.2
27.5°	3603.2	3594.8	3569.6	3590.6	3590.6
30°	3510.8	3506.6	3485.6	3506.6	3502.4
32.5°	3422.6	3414.2	3393.2	3410.0	3401.6
35°	3321.8	3309.2	3296.6	3305.0	3305.0
37.5°	3208.4	3204.2	3191.6	3204.2	3191.6
40°	3099.2	3090.8	3078.2	3082.4	3082.4
42.5°	2977.5	2973.3	2960.7	2960.7	2956.5
45°	2851.5	2847.3	2838.9	2834.7	2822.1
47.5°	2712.9	2708.7	2708.7	2704.5	2696.1
50°	2574.3	2574.3	2570.1	2557.5	2553.3
52.5°	2423.1	2431.5	2418.9	2410.5	2406.3
55°	2271.9	2280.3	2271.9	2263.5	2250.9
57.5°	2104.0	2120.8	2108.2	2104.0	2099.8
60°	1948.6	1957.0	1948.6	1936.0	1927.6
62.5°	1789.0	1789.0	1776.4	1768.0	1742.8
65°	1600.0	1612.6	1604.2	1583.2	1553.8
67.5°	1432.0	1423.6	1415.2	1390.0	1356.4
70°	1238.9	1243.1	1230.5	1192.7	1159.1
72.5°	1054.1	1062.5	1037.3	986.9	978.5
75°	869.3	869.3	831.5	810.5	793.7
77.5°	680.3	684.5	634.1	629.9	625.7
80°	499.7	508.1	457.7	470.3	466.1
82.5°	340.2	331.8	310.8	310.8	306.6
85°	184.8	184.8	180.6	180.6	176.4
87.5°	71.4	75.6	84.0	92.4	88.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)