

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: P218599

Luminaire Tested: **2SNLED-LD5-30HL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218599
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-30HL-RW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2818.0 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

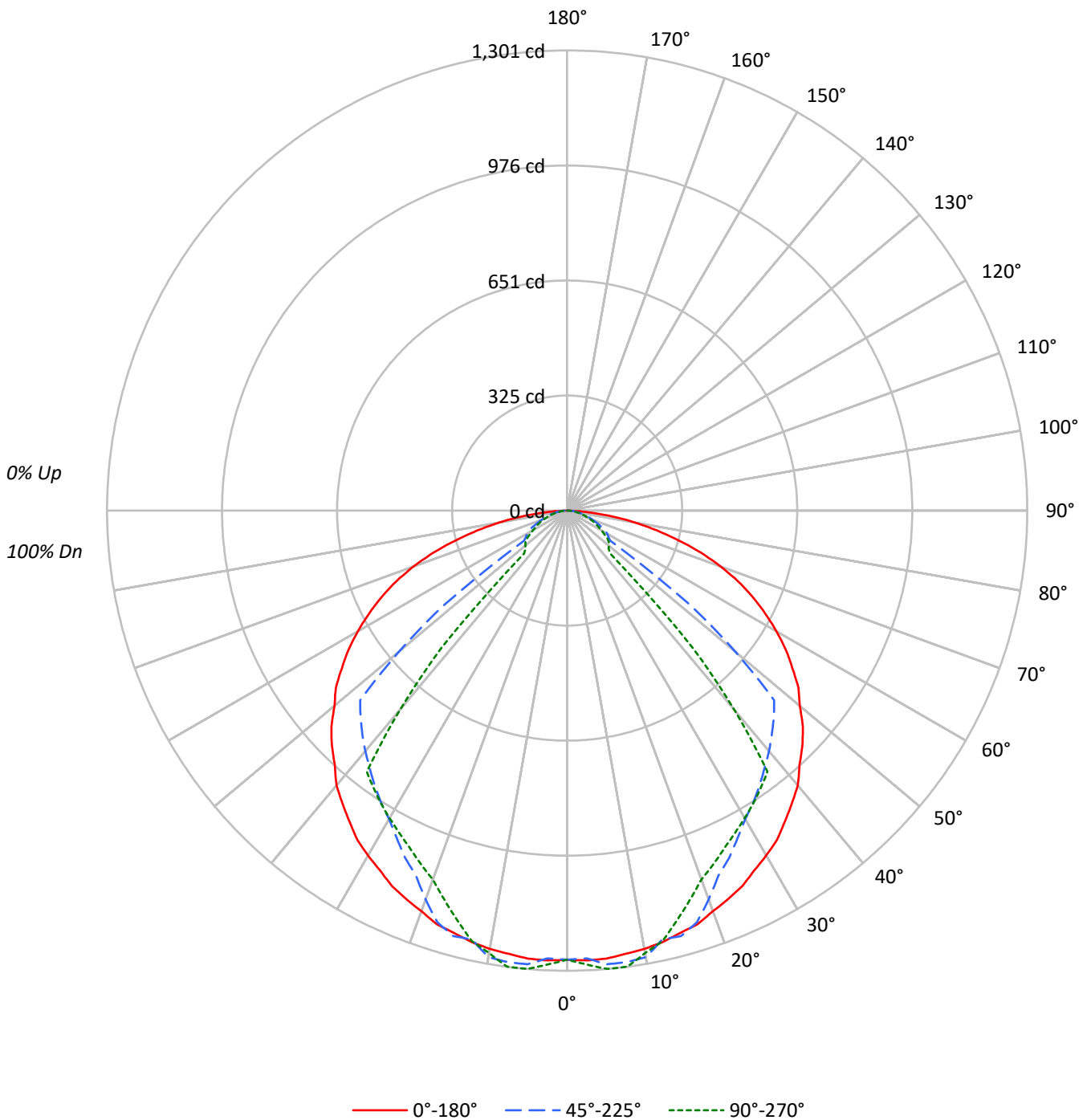
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	40929	40929	40929
5°	40832	39038	38696
10°	40576	36951	35330
15°	40342	34463	31560
20°	40117	31376	27902
25°	40096	28381	25521
30°	39971	25978	23684
35°	39882	24277	22108
40°	39873	22734	16845
45°	39570	21318	3920
50°	39142	16296	3530
55°	39036	3984	3230
60°	38488	3623	2635
65°	37453	3053	2175
70°	35371	2364	1700
75°	30977	1755	1237
80°	24434	1174	776
85°	13073	667	351



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.6	4.4
10°-20°	347.5	12.3
20°-30°	511.9	18.2
30°-40°	616.1	21.9
40°-50°	527.7	18.7
50°-60°	341.4	12.1
60°-70°	227.0	8.1
70°-80°	96.8	3.4
80°-90°	27.1	1.0
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°	982.0	34.8
0°-40°	1598.1	56.7
0°-60°	2467.2	87.6
0°-90°	2818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2818.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1270	1270	1270	1270	1270	
5°	1271	1276	1288	1302	1301	121
15°	1236	1270	1245	1218	1199	350
25°	1172	1179	1083	1060	1052	540
35°	1073	1032	948	955	955	672
45°	941	836	826	504	172	725
55°	778	660	148	141	140	695
65°	579	416	106	91	90	571
75°	326	76	54	48	47	346
85°	69	21	18	13	12	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1270.0	1270.0	1270.0	1270.0	1270.0
2.5°	1272.9	1268.5	1267.0	1283.2	1284.7
5°	1271.4	1275.8	1287.6	1302.3	1300.8
7.5°	1264.1	1278.8	1287.6	1309.6	1300.8
10°	1258.2	1284.7	1281.7	1283.2	1270.0
12.5°	1249.4	1274.4	1242.0	1264.1	1246.4
15°	1236.2	1270.0	1245.0	1218.5	1199.4
17.5°	1225.9	1261.1	1220.0	1156.8	1153.8
20°	1205.3	1224.4	1170.0	1124.4	1109.7
22.5°	1189.1	1211.2	1117.1	1086.2	1081.8
25°	1171.5	1178.8	1083.3	1059.8	1052.4
27.5°	1146.5	1161.2	1043.6	1031.8	1027.4
30°	1125.9	1125.9	1006.9	1006.9	1003.9
32.5°	1103.9	1078.9	978.9	980.4	980.4
35°	1073.0	1031.8	948.1	955.4	955.4
37.5°	1043.6	974.5	917.2	929.0	930.4
40°	1014.2	930.4	887.8	901.0	736.4
42.5°	973.0	881.9	856.9	693.8	524.7
45°	940.7	836.3	826.1	504.2	172.0
47.5°	904.0	792.3	793.7	160.2	158.7
50°	858.4	746.7	621.8	151.4	154.3
52.5°	824.6	705.5	438.0	147.0	148.5
55°	777.6	660.0	148.5	141.1	139.6
57.5°	733.5	617.3	138.2	130.8	124.9
60°	683.5	571.8	130.8	116.1	111.7
62.5°	632.0	526.2	120.5	102.9	100.0
65°	579.1	416.0	105.8	91.1	89.7
67.5°	523.3	273.4	89.7	80.8	79.4
70°	461.5	107.3	77.9	70.6	67.6
72.5°	396.9	92.6	66.1	60.3	57.3
75°	326.3	76.4	54.4	48.5	47.0
77.5°	260.2	57.3	44.1	38.2	36.7
80°	194.0	42.6	33.8	29.4	27.9
82.5°	132.3	30.9	25.0	20.6	19.1
85°	69.1	20.6	17.6	13.2	11.8
87.5°	26.5	13.2	10.3	5.9	5.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)