

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: P218602

Luminaire Tested: **2SNLED-LD5-30HL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218602  
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-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3303.0 lumens  
Efficiency: N/A  
Efficacy: 127.5 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

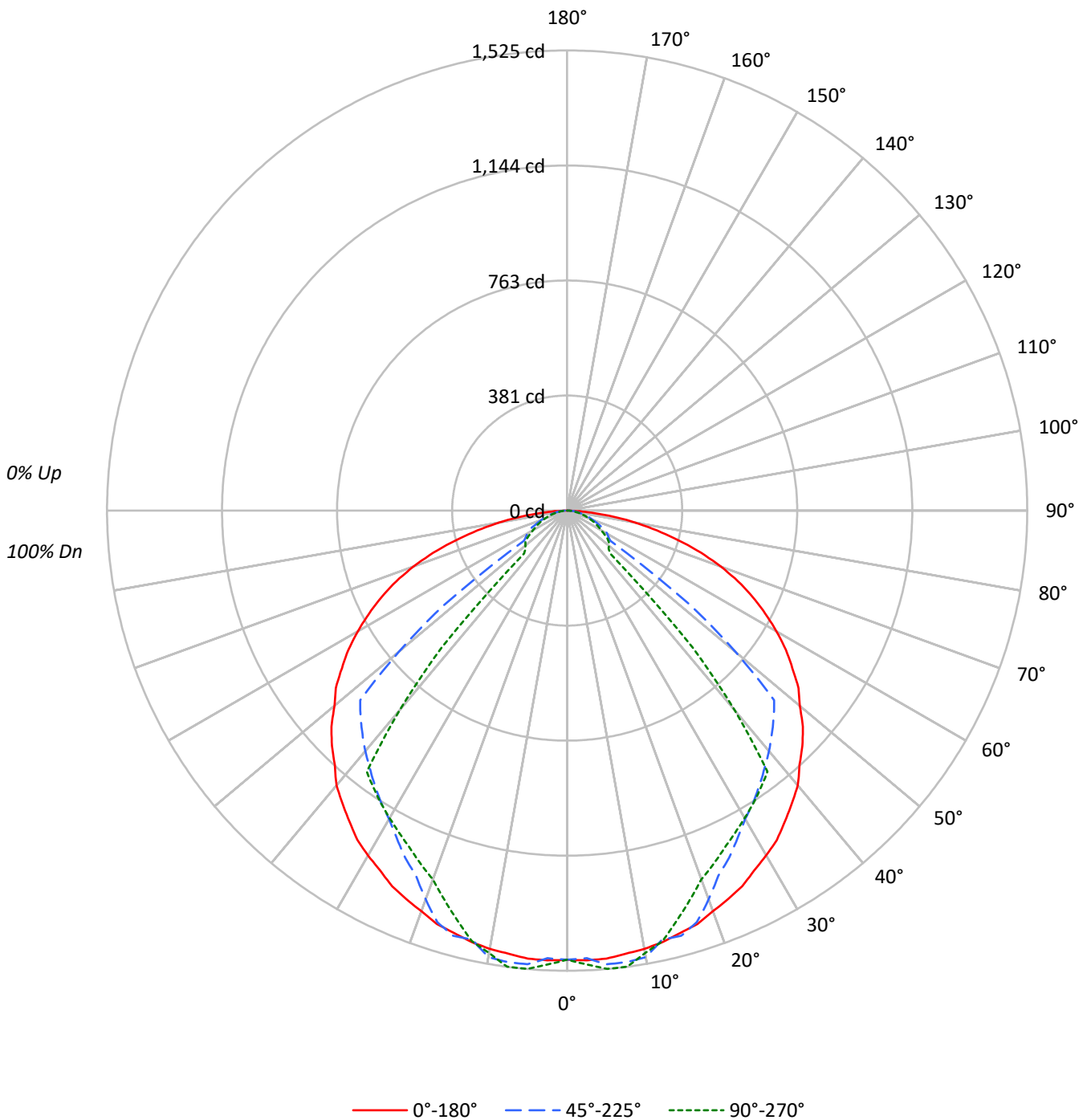
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					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°	47970	47970	47970
5°	47862	45756	45356
10°	47559	43311	41409
15°	47283	40393	36991
20°	47020	36777	32705
25°	46996	33265	29913
30°	46851	30447	27761
35°	46748	28453	25912
40°	46738	26647	19744
45°	46380	24985	4594
50°	45877	19100	4138
55°	45752	4668	3788
60°	45110	4246	3088
65°	43901	3578	2549
70°	41464	2771	1994
75°	36312	2055	1450
80°	28640	1375	910
85°	15325	784	411



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.7	4.4
10°-20°	407.3	12.3
20°-30°	599.9	18.2
30°-40°	722.1	21.9
40°-50°	618.5	18.7
50°-60°	400.2	12.1
60°-70°	266.0	8.1
70°-80°	113.5	3.4
80°-90°	31.7	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°	1151.0	34.8
0°-40°	1873.1	56.7
0°-60°	2891.8	87.5
0°-90°	3303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3303.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1488	1488	1488	1488	1488	
5°	1490	1495	1509	1526	1525	142
15°	1449	1488	1459	1428	1406	410
25°	1373	1382	1270	1242	1234	632
35°	1258	1209	1111	1120	1120	788
45°	1103	980	968	591	202	850
55°	911	774	174	165	164	815
65°	679	488	124	107	105	669
75°	382	90	64	57	55	405
85°	81	24	21	16	14	104
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1488.5	1488.5	1488.5	1488.5	1488.5
2.5°	1492.0	1486.8	1485.1	1504.0	1505.8
5°	1490.3	1495.4	1509.2	1526.4	1524.7
7.5°	1481.6	1498.9	1509.2	1535.0	1524.7
10°	1474.7	1505.8	1502.3	1504.0	1488.5
12.5°	1464.4	1493.7	1455.8	1481.6	1461.0
15°	1448.9	1488.5	1459.2	1428.2	1405.8
17.5°	1436.8	1478.2	1430.0	1355.9	1352.4
20°	1412.7	1435.1	1371.4	1318.0	1300.7
22.5°	1393.8	1419.6	1309.4	1273.2	1268.0
25°	1373.1	1381.7	1269.7	1242.2	1233.5
27.5°	1343.8	1361.0	1223.2	1209.4	1204.3
30°	1319.7	1319.7	1180.1	1180.1	1176.7
32.5°	1293.8	1264.6	1147.4	1149.1	1149.1
35°	1257.7	1209.4	1111.2	1119.8	1119.8
37.5°	1223.2	1142.2	1075.0	1088.8	1090.6
40°	1188.8	1090.6	1040.6	1056.1	863.1
42.5°	1140.5	1033.7	1004.4	813.2	615.1
45°	1102.6	980.3	968.2	590.9	201.6
47.5°	1059.5	928.6	930.3	187.8	186.1
50°	1006.1	875.2	728.8	177.5	180.9
52.5°	966.5	827.0	513.4	172.3	174.0
55°	911.4	773.6	174.0	165.4	163.7
57.5°	859.7	723.6	161.9	153.3	146.4
60°	801.1	670.2	153.3	136.1	130.9
62.5°	740.8	616.8	141.3	120.6	117.2
65°	678.8	487.6	124.0	106.8	105.1
67.5°	613.3	320.4	105.1	94.8	93.0
70°	541.0	125.8	91.3	82.7	79.3
72.5°	465.2	108.5	77.5	70.6	67.2
75°	382.5	89.6	63.7	56.9	55.1
77.5°	304.9	67.2	51.7	44.8	43.1
80°	227.4	50.0	39.6	34.5	32.7
82.5°	155.1	36.2	29.3	24.1	22.4
85°	81.0	24.1	20.7	15.5	13.8
87.5°	31.0	15.5	12.1	6.9	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)