

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: P218601

Luminaire Tested: **2SNLED-LD5-30HL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218601
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3054.0 lumens
Efficiency: N/A
Efficacy: 117.9 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

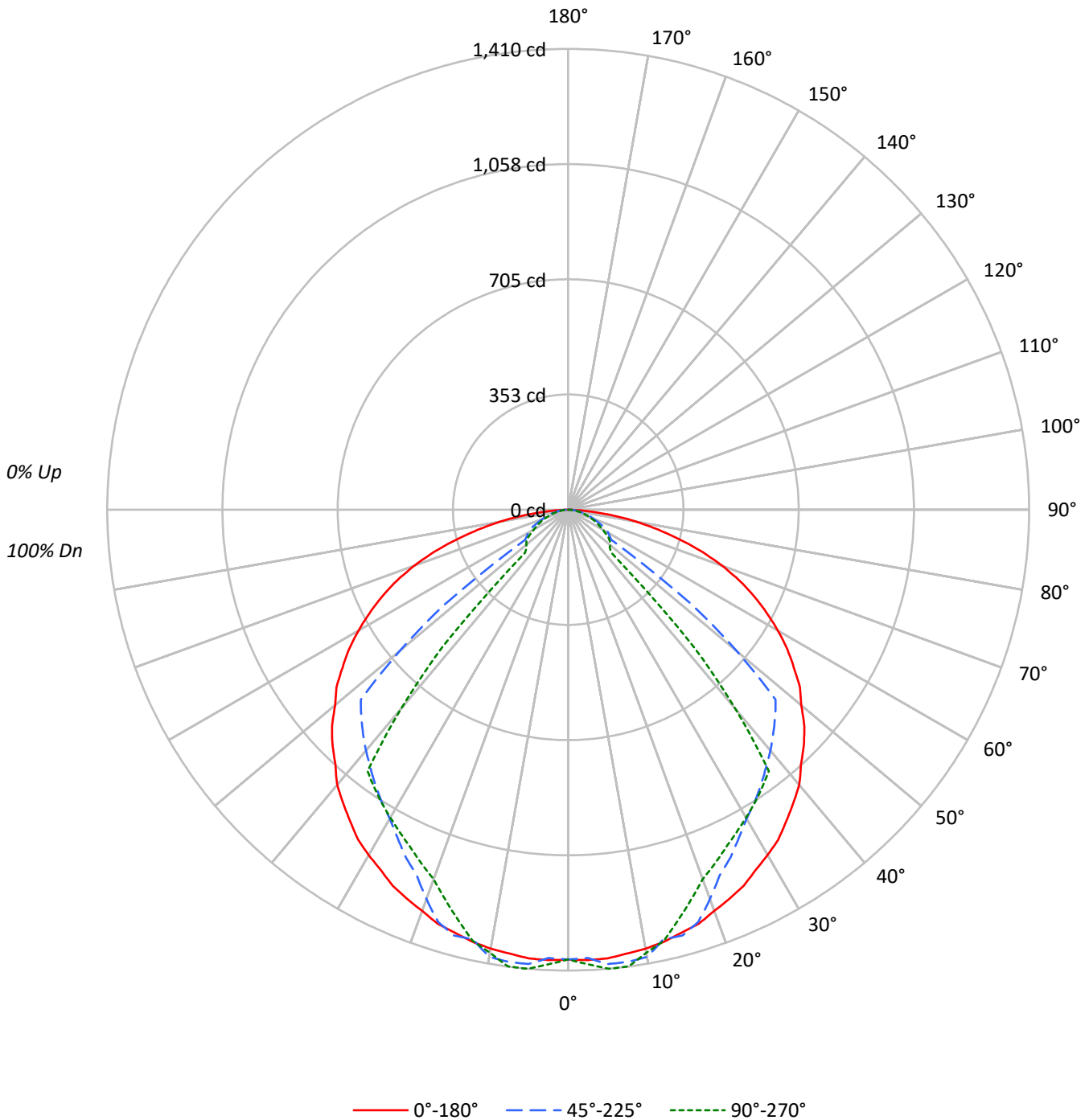
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44354	44354	44354
5°	44252	42306	41938
10°	43976	40047	38288
15°	43720	37348	34205
20°	43476	34004	30241
25°	43454	30758	27660
30°	43319	28153	25668
35°	43224	26310	23959
40°	43211	24637	18257
45°	42884	23101	4248
50°	42421	17659	3827
55°	42304	4317	3501
60°	41709	3928	2857
65°	40590	3309	2357
70°	38337	2561	1843
75°	33568	1900	1342
80°	26487	1271	843
85°	14171	724	378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.9	4.4
10°-20°	376.6	12.3
20°-30°	554.7	18.2
30°-40°	667.7	21.9
40°-50°	571.8	18.7
50°-60°	370.0	12.1
60°-70°	246.0	8.1
70°-80°	104.9	3.4
80°-90°	29.3	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°	1064.2	34.8
0°-40°	1731.9	56.7
0°-60°	2673.8	87.5
0°-90°	3054.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3054.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1376	1376	1376	1376	1376	
5°	1378	1383	1395	1411	1410	131
15°	1340	1376	1349	1321	1300	379
25°	1270	1278	1174	1148	1141	585
35°	1163	1118	1028	1035	1035	729
45°	1020	906	895	546	186	786
55°	843	715	161	153	151	753
65°	628	451	115	99	97	619
75°	354	83	59	53	51	375
85°	75	22	19	14	13	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1376.3	1376.3	1376.3	1376.3	1376.3
2.5°	1379.5	1374.7	1373.1	1390.6	1392.2
5°	1377.9	1382.7	1395.4	1411.4	1409.8
7.5°	1369.9	1385.9	1395.4	1419.3	1409.8
10°	1363.6	1392.2	1389.1	1390.6	1376.3
12.5°	1354.0	1381.1	1346.0	1369.9	1350.8
15°	1339.7	1376.3	1349.2	1320.6	1299.9
17.5°	1328.5	1366.8	1322.2	1253.7	1250.5
20°	1306.2	1326.9	1268.0	1218.6	1202.7
22.5°	1288.7	1312.6	1210.6	1177.2	1172.4
25°	1269.6	1277.5	1174.0	1148.5	1140.6
27.5°	1242.5	1258.4	1131.0	1118.3	1113.5
30°	1220.2	1220.2	1091.2	1091.2	1088.0
32.5°	1196.3	1169.2	1060.9	1062.5	1062.5
35°	1162.9	1118.3	1027.5	1035.4	1035.4
37.5°	1131.0	1056.1	994.0	1006.7	1008.3
40°	1099.1	1008.3	962.1	976.5	798.1
42.5°	1054.5	955.8	928.7	751.9	568.7
45°	1019.5	906.4	895.2	546.4	186.4
47.5°	979.7	858.6	860.2	173.6	172.0
50°	930.3	809.2	673.8	164.1	167.3
52.5°	893.6	764.6	474.7	159.3	160.9
55°	842.7	715.2	160.9	152.9	151.3
57.5°	794.9	669.0	149.7	141.8	135.4
60°	740.7	619.7	141.8	125.8	121.1
62.5°	685.0	570.3	130.6	111.5	108.3
65°	627.6	450.8	114.7	98.8	97.2
67.5°	567.1	296.3	97.2	87.6	86.0
70°	500.2	116.3	84.4	76.5	73.3
72.5°	430.1	100.4	71.7	65.3	62.1
75°	353.6	82.8	58.9	52.6	51.0
77.5°	282.0	62.1	47.8	41.4	39.8
80°	210.3	46.2	36.6	31.9	30.3
82.5°	143.4	33.5	27.1	22.3	20.7
85°	74.9	22.3	19.1	14.3	12.7
87.5°	28.7	14.3	11.2	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)