

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: P218293

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-30HL-LW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2995.0 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

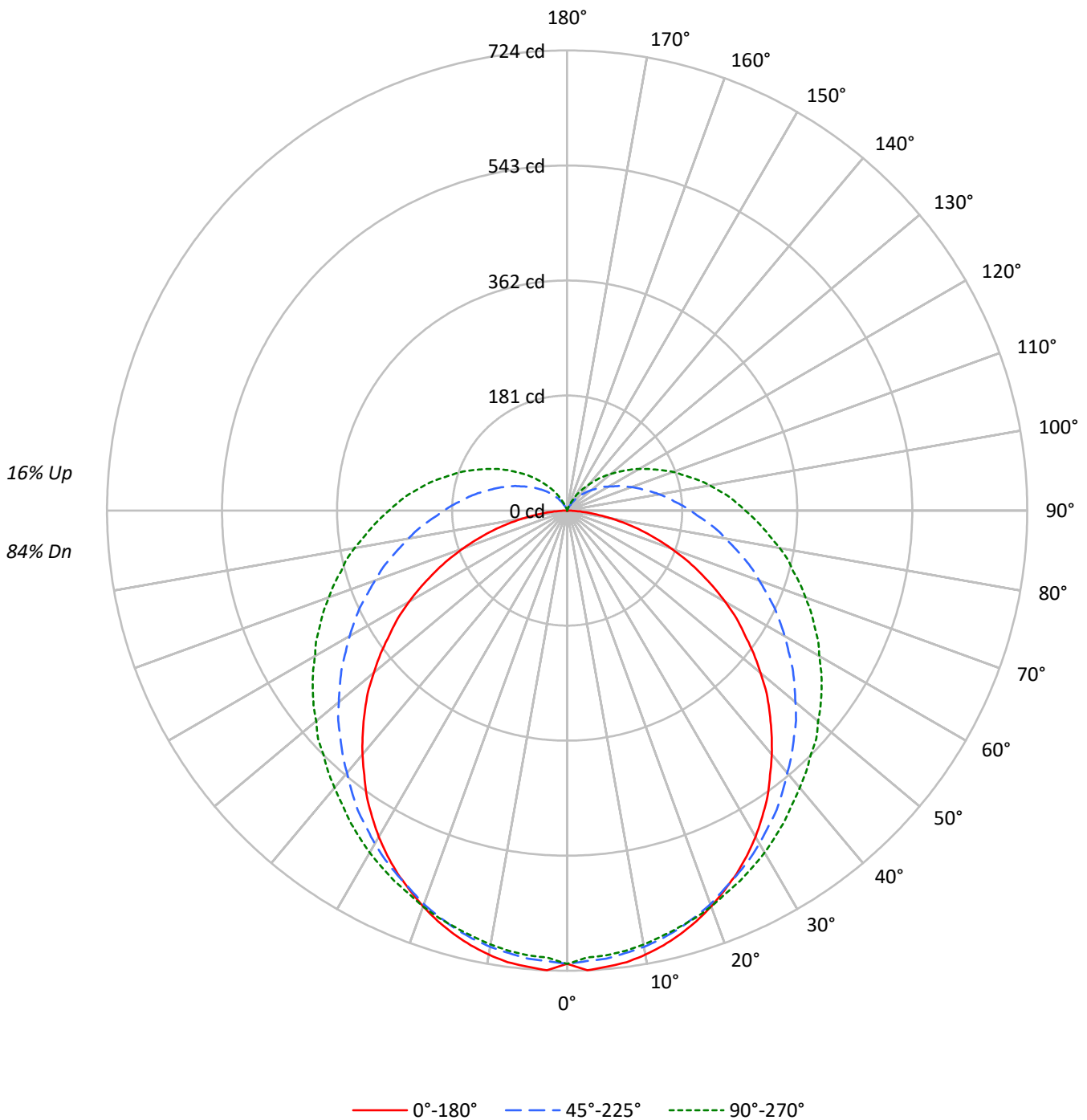
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	64
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22981	22981	22981
5°	23133	21456	20892
10°	22881	20091	19287
15°	22508	18846	17867
20°	22061	17678	16665
25°	21580	16566	15593
30°	21042	15617	14662
35°	20428	14718	13798
40°	19701	13800	13025
45°	18962	13024	12360
50°	18103	12286	11792
55°	17133	11615	11306
60°	16184	10946	10805
65°	14869	10364	10411
70°	13351	9757	10027
75°	11420	9273	9689
80°	8602	8795	9445
85°	5089	8440	9189



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.5	2.3
10°-20°	193.1	6.4
20°-30°	293.5	9.8
30°-40°	359.2	12.0
40°-50°	387.8	12.9
50°-60°	380.8	12.7
60°-70°	342.9	11.5
70°-80°	284.0	9.5
80°-90°	218.4	7.3
90°-100°	164.6	5.5
100°-110°	121.1	4.0
110°-120°	83.6	2.8
120°-130°	53.0	1.8
130°-140°	29.3	1.0
140°-150°	12.7	0.4
150°-160°	3.2	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	554.2	18.5
0°-40°	913.4	30.5
0°-60°	1682.0	56.2
0°-90°	2527.3	84.4
90°-120°	369.4	12.3
90°-150°	464.4	15.5
90°-180°	468.0	15.6
0°-180°	2995.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	713	713	713	713	713	
5°	720	717	708	708	702	68
15°	690	688	681	684	679	194
25°	630	630	632	645	643	290
35°	550	555	575	593	596	343
45°	451	471	505	535	542	348
55°	341	379	433	476	489	306
65°	230	282	359	413	429	228
75°	120	192	287	348	368	128
85°	27	118	223	289	309	31
90°	0	92	194	260	280	1
95°	2	72	169	234	255	0
105°	0	45	126	183	201	0
115°	0	29	92	138	153	0
125°	0	18	63	99	110	0
135°	0	11	40	65	72	0
145°	0	4	20	36	40	0
155°	0	2	5	11	13	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	713.1	713.1	713.1	713.1	713.1
2.5°	723.9	718.5	709.5	709.5	704.1
5°	720.3	716.7	707.7	707.7	702.3
7.5°	716.7	713.1	702.3	704.1	698.7
10°	709.5	705.9	696.9	698.7	693.3
12.5°	700.5	696.9	689.7	691.5	686.1
15°	689.7	687.9	680.8	684.3	679.0
17.5°	677.2	675.4	670.0	675.4	671.8
20°	662.8	662.8	659.2	666.4	662.8
22.5°	646.6	646.6	644.8	655.6	652.0
25°	630.5	630.5	632.3	644.8	643.0
27.5°	612.5	614.3	619.7	634.1	632.3
30°	592.7	596.3	605.3	621.5	621.5
32.5°	571.2	574.8	589.2	608.9	608.9
35°	549.6	555.0	574.8	592.7	596.3
37.5°	524.5	533.5	556.8	578.4	582.0
40°	501.1	513.7	538.9	564.0	569.4
42.5°	476.0	492.2	522.7	551.4	556.8
45°	450.8	470.6	504.7	535.3	542.4
47.5°	425.7	447.3	488.6	520.9	531.7
50°	397.0	423.9	468.8	506.5	515.5
52.5°	370.0	400.6	450.8	490.4	502.9
55°	341.3	379.0	432.9	476.0	488.6
57.5°	316.1	353.8	413.1	461.6	474.2
60°	287.4	328.7	395.2	443.7	458.0
62.5°	258.7	307.1	377.2	429.3	445.5
65°	229.9	282.0	359.2	413.1	429.3
67.5°	203.0	258.7	339.5	397.0	414.9
70°	174.2	235.3	321.5	380.8	398.8
72.5°	147.3	213.7	305.4	364.6	384.4
75°	120.3	192.2	287.4	348.5	368.2
77.5°	95.2	172.4	269.4	334.1	355.6
80°	68.3	152.7	253.3	317.9	339.5
82.5°	46.7	134.7	238.9	303.6	323.3
85°	26.9	118.5	222.7	289.2	308.9
87.5°	10.8	104.2	206.6	273.0	294.6
90°	0.0	91.6	194.0	260.4	280.2
92.5°	0.0	80.8	181.4	246.1	267.6
95°	1.8	71.8	168.8	233.5	255.1
97.5°	0.0	62.9	158.1	220.9	240.7
100°	0.0	57.5	147.3	208.4	228.1
102.5°	0.0	50.3	136.5	195.8	215.5
105°	0.0	44.9	125.7	183.2	201.2
107.5°	0.0	41.3	116.8	172.4	188.6
110°	0.0	35.9	107.8	161.7	177.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	32.3	98.8	149.1	165.2
115°	0.0	28.7	91.6	138.3	152.7
117.5°	0.0	26.9	82.6	127.5	141.9
120°	0.0	23.4	75.4	118.5	131.1
122.5°	0.0	21.6	70.1	107.8	120.3
125°	0.0	18.0	62.9	98.8	109.6
127.5°	0.0	16.2	55.7	89.8	98.8
130°	0.0	14.4	50.3	80.8	89.8
132.5°	0.0	12.6	44.9	71.8	80.8
135°	0.0	10.8	39.5	64.7	71.8
137.5°	0.0	9.0	34.1	55.7	62.9
140°	0.0	7.2	28.7	48.5	53.9
142.5°	0.0	5.4	25.1	41.3	46.7
145°	0.0	3.6	19.8	35.9	39.5
147.5°	0.0	3.6	16.2	28.7	32.3
150°	0.0	1.8	10.8	23.4	25.1
152.5°	0.0	1.8	9.0	18.0	18.0
155°	0.0	1.8	5.4	10.8	12.6
157.5°	0.0	0.0	3.6	7.2	7.2
160°	0.0	0.0	1.8	3.6	5.4
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)