

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: P#

Luminaire Tested: **2SNLED-LD5-30HL-SLW-UNV-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-30HL-SLW-UNV-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2435.0 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Semi-Direct

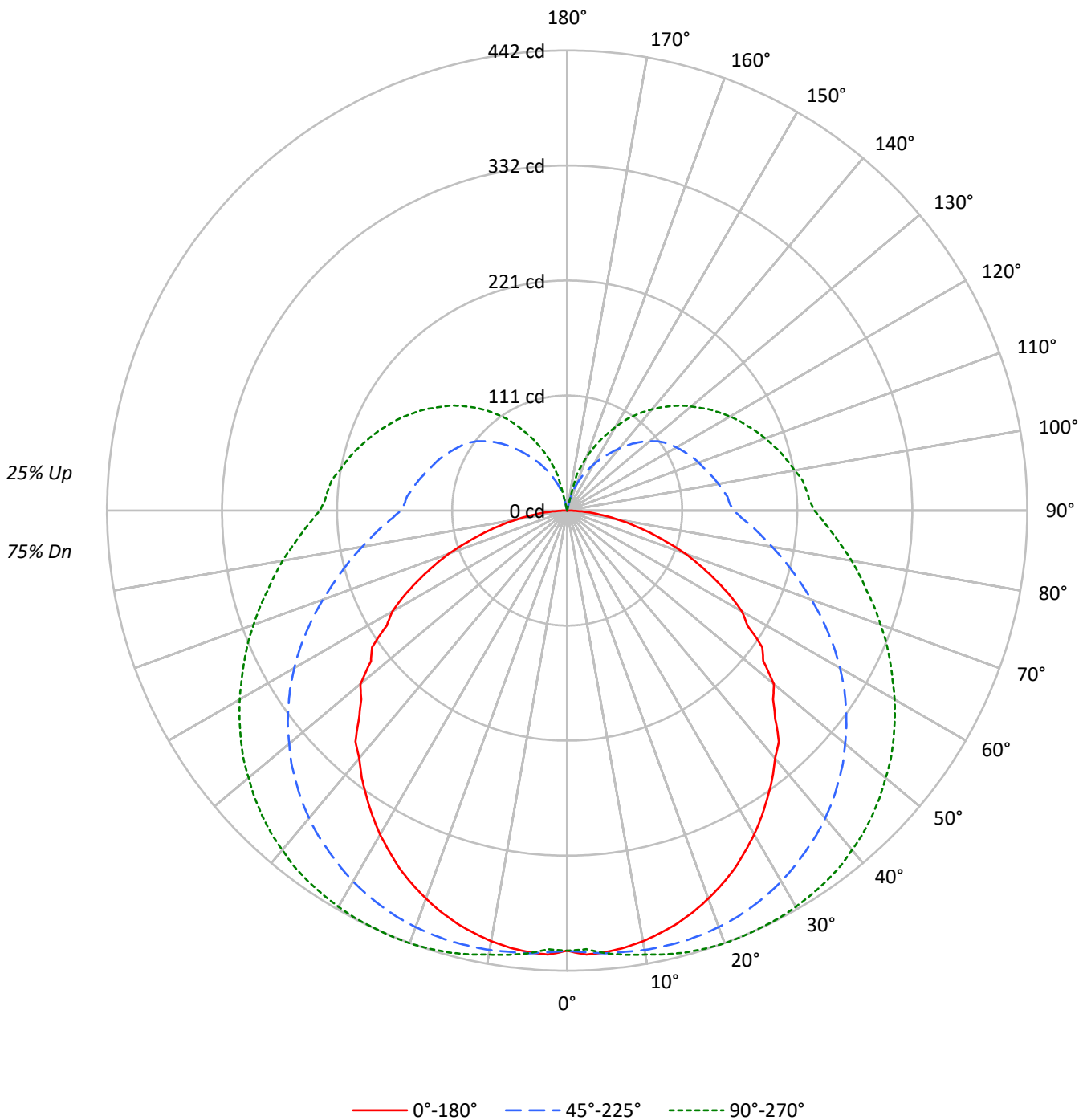
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6833	6833	6833
5°	6869	6743	6706
10°	6818	6670	6667
15°	6752	6622	6680
20°	6668	6580	6693
25°	6583	6545	6703
30°	6472	6513	6740
35°	6350	6476	6785
40°	6229	6459	6830
45°	6081	6431	6885
50°	6065	6401	6938
55°	5921	6383	7022
60°	5658	6369	7116
65°	5288	6352	7250
70°	4868	6371	7453
75°	4172	6481	7753
80°	3381	6744	8255
85°	2293	7292	8984



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	1.7
10°-20°	120.5	4.9
20°-30°	191.5	7.9
30°-40°	245.7	10.1
40°-50°	277.5	11.4
50°-60°	283.1	11.6
60°-70°	262.3	10.8
70°-80°	222.1	9.1
80°-90°	177.2	7.3
90°-100°	150.5	6.2
100°-110°	134.1	5.5
110°-120°	114.2	4.7
120°-130°	90.7	3.7
130°-140°	64.4	2.6
140°-150°	38.4	1.6
150°-160°	17.9	0.7
160°-170°	4.3	0.2
170°-180°	0.0	0.0
0°-30°	352.6	14.5
0°-40°	598.3	24.6
0°-60°	1158.9	47.6
0°-90°	1820.5	74.8
90°-120°	398.8	16.4
90°-150°	592.4	24.3
90°-180°	615.0	25.3
0°-180°	2435.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	423	423	423	423	423	
5°	426	422	427	427	427	40
15°	410	414	429	437	439	116
25°	380	392	420	435	442	175
35°	336	360	399	424	434	210
45°	283	321	368	400	414	220
55°	229	267	327	367	383	201
65°	157	209	276	324	342	156
75°	82	146	224	279	298	88
85°	21	94	178	236	256	23
90°	1	77	160	217	238	2
95°	0	72	154	211	231	0
105°	0	66	141	194	213	0
115°	0	62	128	174	192	0
125°	0	53	114	154	169	0
135°	0	40	92	130	142	0
145°	0	26	64	97	111	0
155°	1	16	40	60	74	0
165°	1	9	18	25	35	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°	422.8	422.8	422.8	422.8	422.8
2.5°	426.9	422.3	424.6	424.0	421.7
5°	425.7	422.3	426.9	426.9	426.9
7.5°	423.4	421.1	427.4	429.7	430.3
10°	420.0	420.0	428.6	432.0	433.1
12.5°	415.4	417.1	428.6	433.7	436.6
15°	410.3	413.7	428.6	436.6	439.4
17.5°	404.0	409.7	427.4	437.1	441.2
20°	396.5	405.1	425.7	437.1	442.3
22.5°	388.5	399.4	423.4	436.0	442.3
25°	379.9	392.5	420.0	434.9	441.7
27.5°	369.6	385.7	416.0	433.1	441.2
30°	359.3	377.6	411.4	430.9	439.4
32.5°	347.9	369.1	405.7	427.4	437.1
35°	335.9	360.5	399.4	424.0	434.3
37.5°	323.9	350.2	393.1	419.4	430.9
40°	310.7	339.9	385.7	413.7	425.7
42.5°	301.0	329.0	377.6	408.0	420.6
45°	282.7	321.0	368.5	400.5	414.3
47.5°	268.4	305.5	359.3	393.1	407.4
50°	259.2	293.0	348.5	384.5	399.4
52.5°	237.5	284.4	338.2	375.9	391.9
55°	228.9	267.2	326.7	366.8	382.8
57.5°	205.4	255.2	315.3	356.5	373.1
60°	194.0	238.6	302.7	346.2	363.3
62.5°	176.2	224.3	290.1	334.7	352.5
65°	156.8	208.8	276.4	323.9	342.2
67.5°	138.5	193.4	263.2	312.4	331.9
70°	120.7	177.4	249.5	301.0	320.4
72.5°	100.1	161.4	236.3	290.1	309.6
75°	82.4	145.9	223.7	278.7	298.1
77.5°	65.2	131.0	211.7	268.4	287.8
80°	49.2	116.7	199.7	257.5	277.5
82.5°	34.3	104.7	188.8	247.2	266.6
85°	21.2	93.8	178.5	236.3	256.3
87.5°	9.7	84.1	168.2	226.0	246.6
90°	1.1	76.7	159.6	217.4	237.5
92.5°	0.6	74.4	156.2	213.4	232.9
95°	0.0	72.1	154.5	211.1	230.6
97.5°	0.0	69.8	150.5	207.7	227.7
100°	0.0	68.7	147.6	202.6	222.0
102.5°	0.0	66.9	144.2	198.0	217.4
105°	0.0	66.4	140.8	194.0	212.9
107.5°	0.0	65.2	137.3	188.8	207.7
110°	0.0	64.1	134.5	184.2	202.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	62.9	131.6	179.7	197.4
115°	0.0	61.8	128.2	174.5	191.7
117.5°	0.0	60.1	124.7	169.4	186.5
120°	0.0	57.8	121.3	164.8	180.8
122.5°	0.0	55.5	117.9	159.1	174.5
125°	0.0	53.2	113.9	153.9	168.8
127.5°	0.0	49.8	109.3	148.2	161.9
130°	0.0	46.3	103.6	142.5	155.6
132.5°	0.6	42.9	97.8	136.2	149.3
135°	0.0	39.5	91.5	129.9	141.9
137.5°	0.0	36.6	84.7	123.0	134.5
140°	0.0	33.2	77.8	115.0	127.0
142.5°	0.0	29.2	71.0	106.4	119.0
145°	0.0	25.7	64.1	97.3	111.0
147.5°	0.6	22.9	57.8	87.5	102.4
150°	0.6	20.6	51.5	77.8	92.7
152.5°	0.6	18.3	45.2	68.7	83.0
155°	0.6	16.0	39.5	59.5	73.8
157.5°	0.6	13.7	33.2	50.4	64.1
160°	0.6	12.0	27.5	42.3	54.9
162.5°	0.6	10.3	22.3	33.2	45.2
165°	0.6	8.6	17.7	24.6	34.9
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)