

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: P284729

Luminaire Tested: **2SNLED-LD5-30HL-SLW-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#)
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-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2821.0 lumens
Efficiency: N/A
Efficacy: 104.5 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

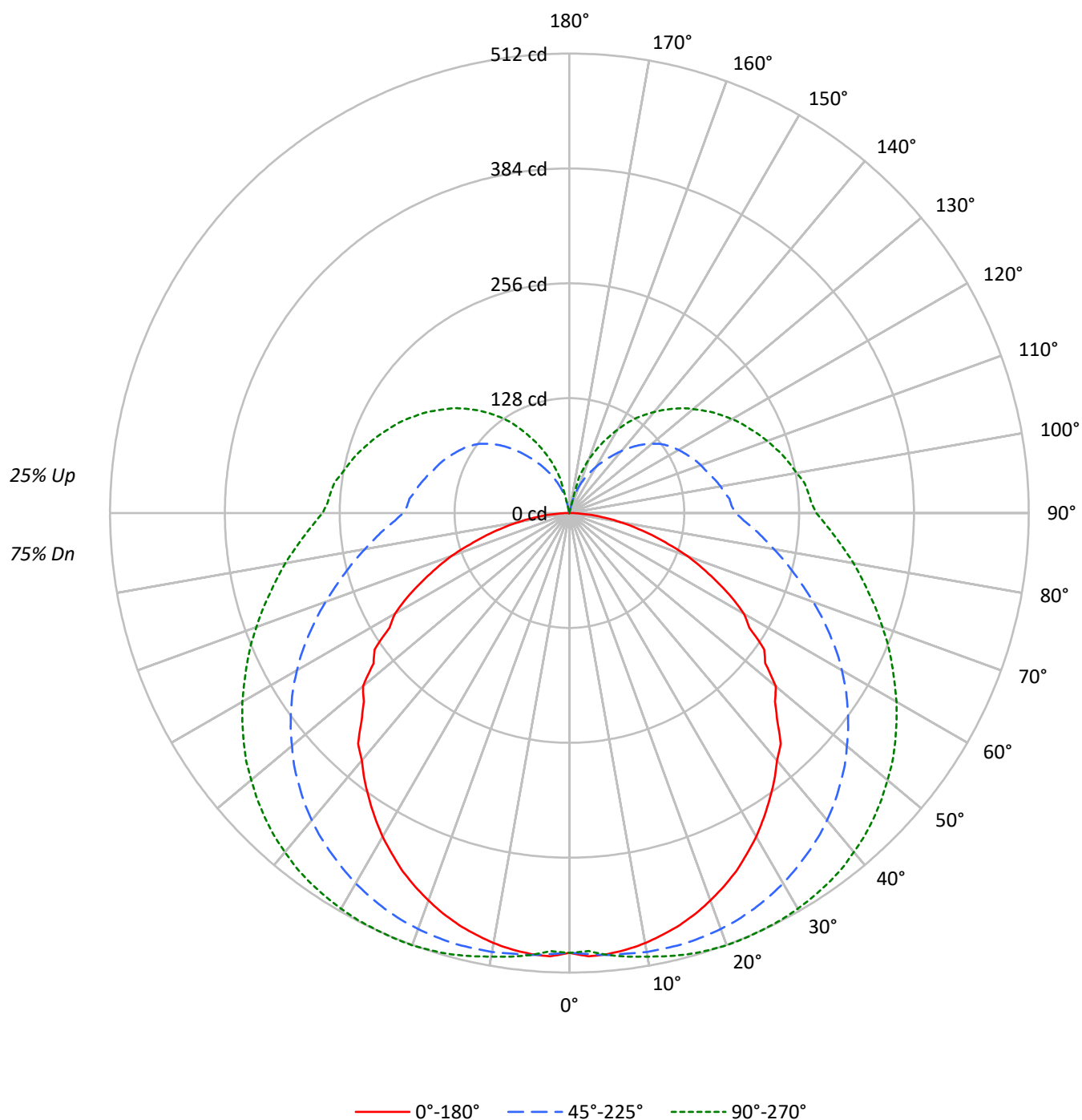
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	7919	7919	7919
5°	7958	7809	7766
10°	7899	7728	7724
15°	7822	7673	7740
20°	7726	7624	7755
25°	7628	7583	7767
30°	7499	7544	7809
35°	7355	7504	7862
40°	7215	7483	7913
45°	7045	7449	7975
50°	7027	7415	8040
55°	6858	7395	8134
60°	6554	7377	8245
65°	6124	7359	8399
70°	5642	7382	8635
75°	4836	7509	8983
80°	3924	7811	9561
85°	2650	8449	10407



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.1	1.7
10°-20°	139.6	4.9
20°-30°	221.8	7.9
30°-40°	284.7	10.1
40°-50°	321.4	11.4
50°-60°	328.0	11.6
60°-70°	303.9	10.8
70°-80°	257.3	9.1
80°-90°	205.4	7.3
90°-100°	174.4	6.2
100°-110°	155.4	5.5
110°-120°	132.3	4.7
120°-130°	105.1	3.7
130°-140°	74.6	2.6
140°-150°	44.5	1.6
150°-160°	20.8	0.7
160°-170°	4.9	0.2
170°-180°	0.0	0.0
0°-30°	408.4	14.5
0°-40°	693.1	24.6
0°-60°	1342.5	47.6
0°-90°	2109.0	74.8
90°-120°	462.1	16.4
90°-150°	686.2	24.3
90°-180°	712.0	25.2
0°-180°	2821.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	490	490	490	490	490	
5°	493	489	494	494	494	47
15°	475	479	497	506	509	134
25°	440	455	487	504	512	203
35°	389	418	463	491	503	244
45°	328	372	427	464	480	254
55°	265	310	378	425	443	233
65°	182	242	320	375	396	180
75°	96	169	259	323	345	102
85°	24	109	207	274	297	27
90°	1	89	185	252	275	2
95°	0	84	179	244	267	0
105°	0	77	163	225	247	0
115°	0	72	148	202	222	0
125°	0	62	132	178	196	0
135°	0	46	106	150	164	0
145°	0	30	74	113	129	0
155°	1	19	46	69	86	0
165°	1	10	21	28	40	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°	490.0	490.0	490.0	490.0	490.0
2.5°	494.4	489.2	491.9	491.2	488.5
5°	493.2	489.2	494.4	494.4	494.4
7.5°	490.5	487.8	495.1	497.8	498.5
10°	486.6	486.6	496.6	500.5	501.8
12.5°	481.2	483.2	496.6	502.5	505.7
15°	475.3	479.2	496.6	505.7	509.1
17.5°	468.0	474.6	495.1	506.4	511.1
20°	459.4	469.4	493.2	506.4	512.5
22.5°	450.1	462.8	490.5	505.2	512.5
25°	440.2	454.7	486.6	503.7	511.8
27.5°	428.2	446.8	481.9	501.8	511.1
30°	416.3	437.5	476.5	499.1	509.1
32.5°	403.0	427.5	469.9	495.1	506.4
35°	389.1	417.7	462.8	491.2	503.2
37.5°	375.1	405.7	455.4	485.8	499.1
40°	359.9	393.7	446.8	479.2	493.2
42.5°	348.6	381.2	437.5	472.6	487.3
45°	327.5	371.9	426.8	464.0	479.9
47.5°	310.9	354.0	416.3	455.4	471.9
50°	300.3	339.3	403.7	445.4	462.8
52.5°	275.1	329.5	391.7	435.6	454.0
55°	265.1	309.6	378.5	424.8	443.4
57.5°	237.9	295.7	365.3	413.0	432.2
60°	224.7	276.4	350.6	401.1	420.9
62.5°	204.1	259.9	336.1	387.8	408.4
65°	181.6	242.0	320.2	375.1	396.4
67.5°	160.5	224.1	305.0	361.9	384.4
70°	139.9	205.5	289.1	348.6	371.2
72.5°	115.9	186.9	273.7	336.1	358.7
75°	95.5	169.0	259.2	322.9	345.4
77.5°	75.5	151.9	245.2	310.9	333.4
80°	57.1	135.2	231.3	298.4	321.4
82.5°	39.7	121.3	218.8	286.4	308.9
85°	24.5	108.8	206.8	273.7	296.9
87.5°	11.3	97.5	194.8	261.9	285.7
90°	1.3	88.9	185.0	251.9	275.1
92.5°	0.7	86.2	181.0	247.2	269.8
95°	0.0	83.5	179.1	244.5	267.1
97.5°	0.0	80.9	174.4	240.6	263.8
100°	0.0	79.6	171.0	234.7	257.2
102.5°	0.0	77.6	167.1	229.3	251.9
105°	0.0	76.9	163.1	224.7	246.7
107.5°	0.0	75.5	159.0	218.8	240.6
110°	0.0	74.2	155.8	213.4	234.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	73.0	152.4	208.2	228.6
115°	0.0	71.6	148.5	202.1	222.0
117.5°	0.0	69.6	144.5	196.2	216.1
120°	0.0	66.9	140.6	190.9	209.5
122.5°	0.0	64.2	136.5	184.2	202.1
125°	0.0	61.7	131.8	178.3	195.5
127.5°	0.0	57.6	126.6	171.7	187.6
130°	0.0	53.7	120.0	165.1	180.3
132.5°	0.7	49.7	113.4	157.8	173.0
135°	0.0	45.8	106.1	150.4	164.4
137.5°	0.0	42.4	98.0	142.6	155.8
140°	0.0	38.5	90.2	133.3	147.2
142.5°	0.0	33.8	82.3	123.2	137.9
145°	0.0	29.9	74.2	112.7	128.6
147.5°	0.7	26.5	66.9	101.4	118.6
150°	0.7	23.8	59.7	90.2	107.3
152.5°	0.7	21.3	52.4	79.6	96.1
155°	0.7	18.6	45.8	68.9	85.5
157.5°	0.7	15.9	38.5	58.3	74.2
160°	0.7	14.0	31.8	49.0	63.7
162.5°	0.7	12.0	25.9	38.5	52.4
165°	0.7	10.0	20.6	28.4	40.4
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)