

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: P284456

Luminaire Tested: **2SNLED-LD5-30HL-SLW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284456
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-L830-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3025.0 lumens
Efficiency: N/A
Efficacy: 112.0 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

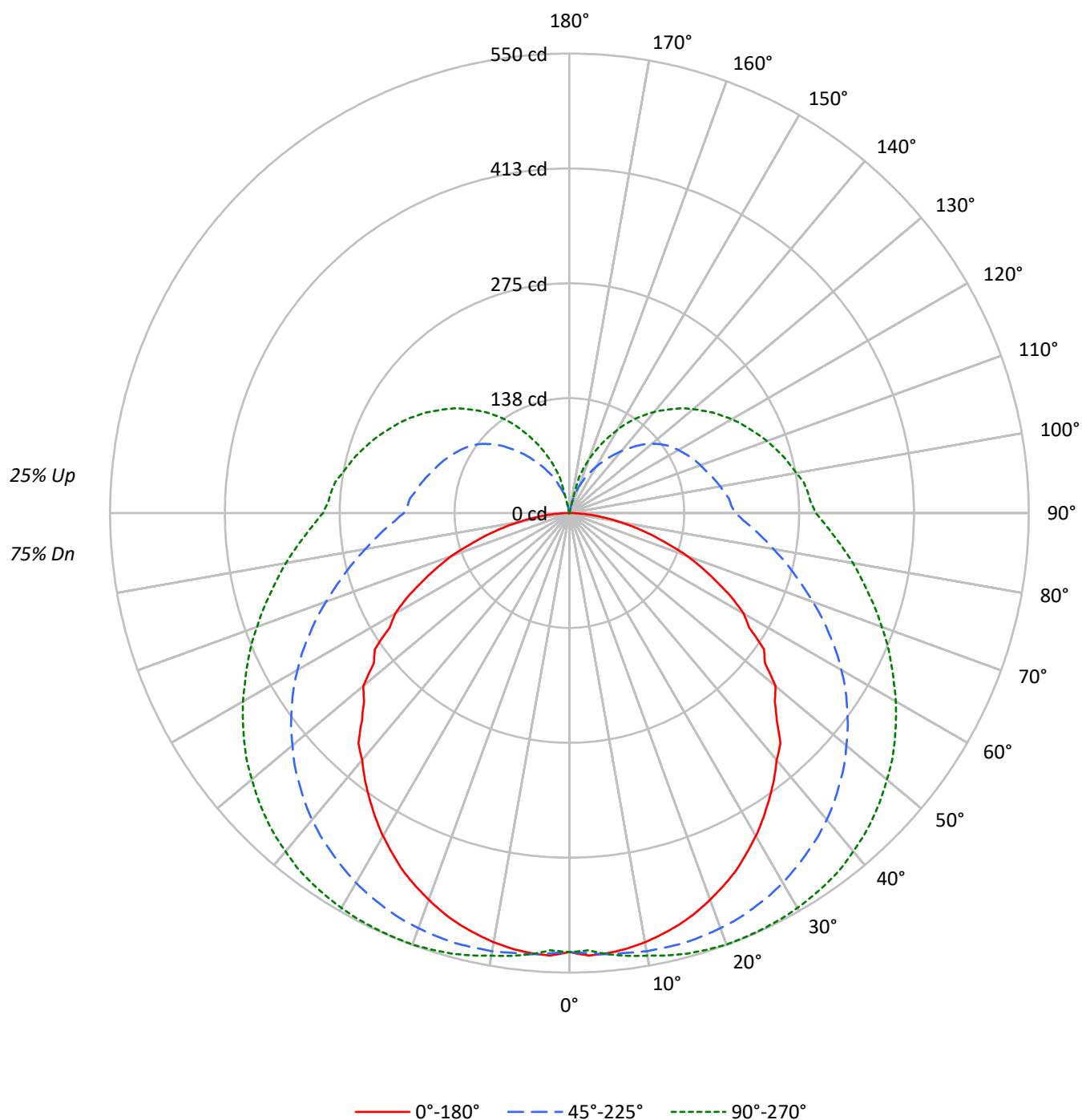
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8492	8492	8492
5°	8532	8375	8328
10°	8468	8287	8281
15°	8388	8227	8299
20°	8284	8174	8316
25°	8180	8130	8329
30°	8041	8090	8373
35°	7886	8046	8431
40°	7736	8025	8484
45°	7555	7988	8552
50°	7537	7951	8620
55°	7354	7931	8722
60°	7026	7911	8840
65°	6566	7892	9007
70°	6049	7915	9259
75°	5185	8051	9634
80°	4205	8375	10254
85°	2845	9057	11160



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	1.7
10°-20°	149.6	4.9
20°-30°	237.8	7.9
30°-40°	305.2	10.1
40°-50°	344.7	11.4
50°-60°	351.7	11.6
60°-70°	325.9	10.8
70°-80°	275.9	9.1
80°-90°	220.2	7.3
90°-100°	187.0	6.2
100°-110°	166.6	5.5
110°-120°	141.9	4.7
120°-130°	112.7	3.7
130°-140°	80.0	2.6
140°-150°	47.7	1.6
150°-160°	22.3	0.7
160°-170°	5.3	0.2
170°-180°	0.0	0.0
0°-30°	438.0	14.5
0°-40°	743.2	24.6
0°-60°	1439.7	47.6
0°-90°	2261.6	74.8
90°-120°	495.5	16.4
90°-150°	735.9	24.3
90°-180°	763.0	25.2
0°-180°	3025.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	525	525	525	525	525	
5°	529	525	530	530	530	50
15°	510	514	532	542	546	144
25°	472	488	522	540	549	217
35°	417	448	496	527	540	261
45°	351	399	458	498	515	273
55°	284	332	406	456	476	250
65°	195	260	343	402	425	193
75°	102	181	278	346	370	109
85°	26	117	222	294	318	29
90°	1	95	198	270	295	2
95°	0	90	192	262	286	0
105°	0	82	175	241	264	0
115°	0	77	159	217	238	0
125°	0	66	141	191	210	0
135°	0	49	114	161	176	0
145°	0	32	80	121	138	0
155°	1	20	49	74	92	0
165°	1	11	22	30	43	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°	525.4	525.4	525.4	525.4	525.4
2.5°	530.2	524.6	527.5	526.7	523.9
5°	528.8	524.6	530.2	530.2	530.2
7.5°	526.0	523.1	530.9	533.8	534.6
10°	521.7	521.7	532.5	536.7	538.0
12.5°	516.0	518.1	532.5	538.8	542.3
15°	509.7	513.9	532.5	542.3	545.9
17.5°	501.8	508.9	530.9	543.0	548.0
20°	492.6	503.3	528.8	543.0	549.6
22.5°	482.6	496.2	526.0	541.7	549.6
25°	472.1	487.6	521.7	540.2	548.8
27.5°	459.2	479.2	516.8	538.0	548.0
30°	446.4	469.2	511.0	535.2	545.9
32.5°	432.2	458.4	503.9	530.9	543.0
35°	417.2	447.9	496.2	526.7	539.6
37.5°	402.2	435.0	488.4	521.0	535.2
40°	385.9	422.2	479.2	513.9	528.8
42.5°	373.9	408.8	469.2	506.8	522.5
45°	351.2	398.8	457.7	497.6	514.6
47.5°	333.4	379.6	446.4	488.4	506.0
50°	322.1	363.9	432.9	477.6	496.2
52.5°	295.0	353.3	420.1	467.1	486.8
55°	284.3	332.0	405.9	455.6	475.5
57.5°	255.1	317.1	391.7	442.9	463.4
60°	240.9	296.4	376.0	430.1	451.3
62.5°	218.9	278.7	360.4	415.9	437.9
65°	194.7	259.5	343.4	402.2	425.1
67.5°	172.1	240.3	327.0	388.0	412.2
70°	150.0	220.4	310.0	373.9	398.0
72.5°	124.3	200.4	293.5	360.4	384.6
75°	102.4	181.3	277.9	346.2	370.4
77.5°	80.9	162.9	263.0	333.4	357.5
80°	61.2	145.0	248.0	319.9	344.7
82.5°	42.6	130.1	234.6	307.1	331.3
85°	26.3	116.6	221.7	293.5	318.4
87.5°	12.1	104.5	208.9	280.8	306.3
90°	1.3	95.3	198.3	270.1	295.0
92.5°	0.8	92.5	194.1	265.1	289.3
95°	0.0	89.6	192.0	262.2	286.4
97.5°	0.0	86.7	187.0	258.0	282.9
100°	0.0	85.4	183.4	251.7	275.8
102.5°	0.0	83.2	179.2	245.9	270.1
105°	0.0	82.5	174.9	240.9	264.5
107.5°	0.0	80.9	170.5	234.6	258.0
110°	0.0	79.6	167.1	228.8	251.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	78.3	163.4	223.3	245.1
115°	0.0	76.7	159.2	216.8	238.0
117.5°	0.0	74.6	155.0	210.4	231.7
120°	0.0	71.7	150.8	204.7	224.6
122.5°	0.0	68.9	146.4	197.6	216.8
125°	0.0	66.2	141.4	191.2	209.7
127.5°	0.0	61.8	135.8	184.1	201.2
130°	0.0	57.5	128.7	177.0	193.4
132.5°	0.8	53.3	121.6	169.2	185.5
135°	0.0	49.1	113.7	161.3	176.3
137.5°	0.0	45.5	105.1	152.9	167.1
140°	0.0	41.2	96.7	142.9	157.9
142.5°	0.0	36.3	88.2	132.2	147.9
145°	0.0	32.0	79.6	120.8	137.9
147.5°	0.8	28.4	71.7	108.8	127.2
150°	0.8	25.5	64.1	96.7	115.1
152.5°	0.8	22.8	56.2	85.4	103.0
155°	0.8	19.9	49.1	73.8	91.7
157.5°	0.8	17.1	41.2	62.5	79.6
160°	0.8	15.0	34.1	52.6	68.3
162.5°	0.8	12.9	27.8	41.2	56.2
165°	0.8	10.7	22.1	30.5	43.4
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)