

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: P284690

Luminaire Tested: **2SNLED-LD5-30HL-SLW-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284690
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-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2646.0 lumens
Efficiency: N/A
Efficacy: 98.0 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

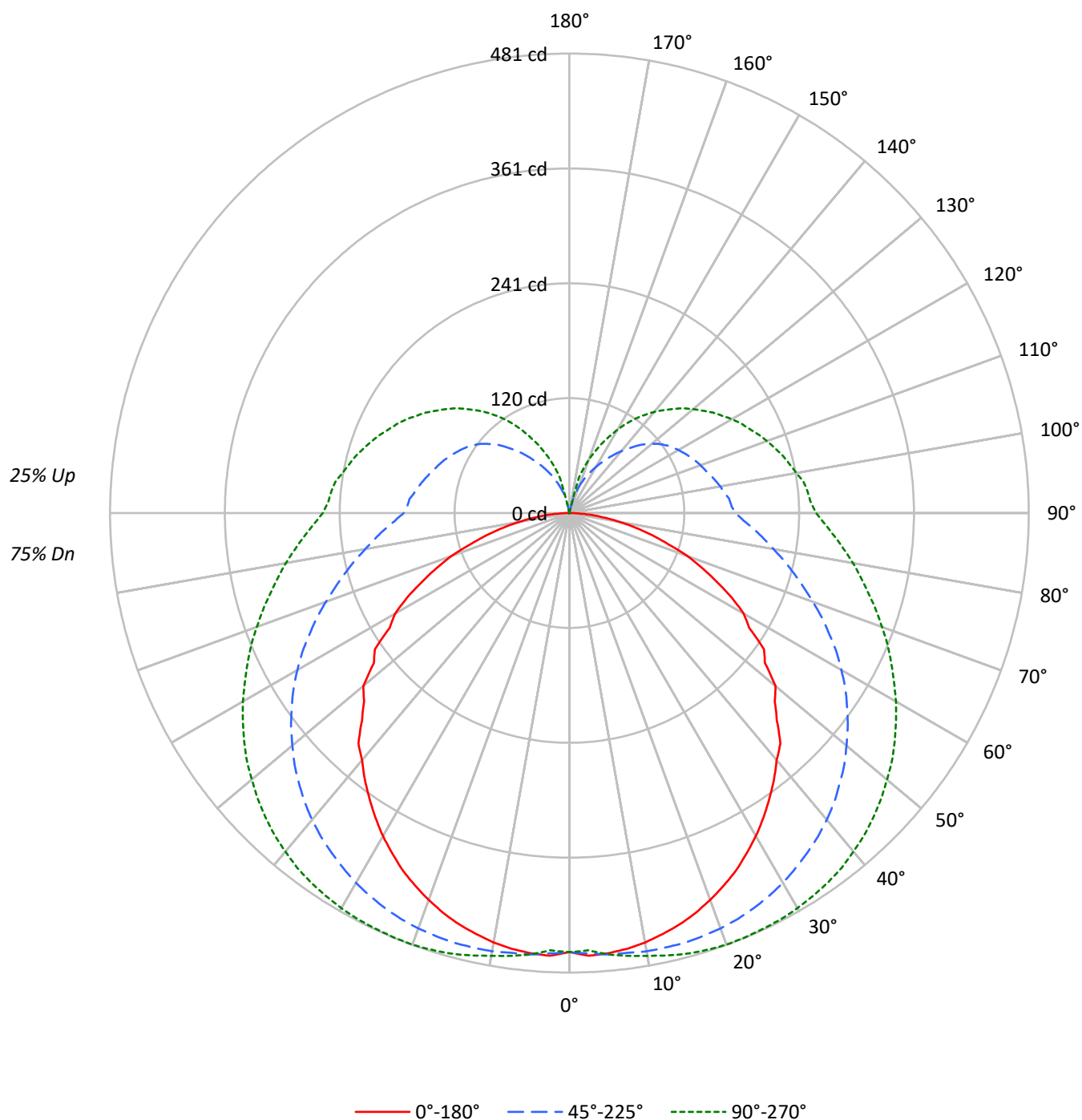
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7428	7428	7428
5°	7464	7326	7285
10°	7408	7249	7244
15°	7336	7197	7259
20°	7246	7151	7274
25°	7155	7112	7285
30°	7032	7077	7324
35°	6898	7039	7374
40°	6768	7019	7422
45°	6609	6986	7482
50°	6592	6955	7541
55°	6434	6936	7629
60°	6145	6920	7733
65°	5743	6902	7877
70°	5291	6922	8100
75°	4537	7043	8427
80°	3676	7325	8969
85°	2488	7926	9762



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.2	1.7
10°-20°	130.9	4.9
20°-30°	208.0	7.9
30°-40°	267.0	10.1
40°-50°	301.5	11.4
50°-60°	307.7	11.6
60°-70°	285.0	10.8
70°-80°	241.3	9.1
80°-90°	192.6	7.3
90°-100°	163.6	6.2
100°-110°	145.7	5.5
110°-120°	124.1	4.7
120°-130°	98.6	3.7
130°-140°	69.9	2.6
140°-150°	41.8	1.6
150°-160°	19.5	0.7
160°-170°	4.6	0.2
170°-180°	0.0	0.0
0°-30°	383.1	14.5
0°-40°	650.1	24.6
0°-60°	1259.3	47.6
0°-90°	1978.2	74.8
90°-120°	433.4	16.4
90°-150°	643.7	24.3
90°-180°	668.0	25.2
0°-180°	2646.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	460	460	460	460	460	
5°	463	459	464	464	464	44
15°	446	450	466	474	478	126
25°	413	426	456	472	480	190
35°	365	392	434	461	472	228
45°	307	349	400	435	450	239
55°	249	290	355	398	416	218
65°	170	227	300	352	372	169
75°	90	159	243	303	324	95
85°	23	102	194	257	278	25
90°	1	83	174	236	258	2
95°	0	78	168	229	250	0
105°	0	72	153	211	231	0
115°	0	67	139	190	208	0
125°	0	58	124	167	183	0
135°	0	43	100	141	154	0
145°	0	28	70	106	121	0
155°	1	17	43	65	80	0
165°	1	9	19	27	38	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°	459.6	459.6	459.6	459.6	459.6
2.5°	463.8	458.9	461.4	460.7	458.2
5°	462.6	458.9	463.8	463.8	463.8
7.5°	460.1	457.5	464.4	466.9	467.6
10°	456.4	456.4	465.8	469.5	470.6
12.5°	451.3	453.2	465.8	471.3	474.3
15°	445.8	449.5	465.8	474.3	477.5
17.5°	438.9	445.1	464.4	475.0	479.4
20°	430.9	440.3	462.6	475.0	480.7
22.5°	422.1	434.1	460.1	473.8	480.7
25°	412.9	426.5	456.4	472.5	480.0
27.5°	401.7	419.1	452.0	470.6	479.4
30°	390.4	410.4	447.0	468.1	477.5
32.5°	378.0	401.0	440.8	464.4	475.0
35°	364.9	391.8	434.1	460.7	472.0
37.5°	351.8	380.5	427.2	455.7	468.1
40°	337.6	369.3	419.1	449.5	462.6
42.5°	327.0	357.5	410.4	443.3	457.0
45°	307.2	348.8	400.3	435.2	450.2
47.5°	291.6	332.0	390.4	427.2	442.6
50°	281.7	318.3	378.7	417.8	434.1
52.5°	258.1	309.1	367.4	408.6	425.8
55°	248.7	290.4	355.0	398.5	415.9
57.5°	223.2	277.3	342.6	387.4	405.4
60°	210.7	259.2	328.9	376.2	394.8
62.5°	191.4	243.8	315.3	363.8	383.1
65°	170.3	227.0	300.3	351.8	371.8
67.5°	150.5	210.2	286.1	339.4	360.6
70°	131.2	192.8	271.1	327.0	348.2
72.5°	108.7	175.3	256.7	315.3	336.4
75°	89.6	158.6	243.1	302.9	324.0
77.5°	70.8	142.4	230.0	291.6	312.7
80°	53.5	126.8	216.9	279.9	301.5
82.5°	37.2	113.8	205.2	268.6	289.8
85°	23.0	102.0	194.0	256.7	278.5
87.5°	10.6	91.4	182.7	245.6	268.0
90°	1.2	83.4	173.5	236.2	258.1
92.5°	0.7	80.9	169.8	231.9	253.0
95°	0.0	78.4	168.0	229.4	250.5
97.5°	0.0	75.8	163.6	225.7	247.5
100°	0.0	74.7	160.4	220.1	241.3
102.5°	0.0	72.8	156.7	215.1	236.2
105°	0.0	72.1	153.0	210.7	231.4
107.5°	0.0	70.8	149.2	205.2	225.7
110°	0.0	69.6	146.1	200.2	220.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	68.5	143.0	195.3	214.4
115°	0.0	67.1	139.3	189.6	208.2
117.5°	0.0	65.3	135.6	184.1	202.7
120°	0.0	62.8	131.9	179.0	196.5
122.5°	0.0	60.2	128.0	172.8	189.6
125°	0.0	57.9	123.7	167.3	183.4
127.5°	0.0	54.0	118.8	161.1	176.0
130°	0.0	50.3	112.6	154.9	169.1
132.5°	0.7	46.6	106.4	148.0	162.2
135°	0.0	43.0	99.5	141.1	154.2
137.5°	0.0	39.8	91.9	133.7	146.1
140°	0.0	36.1	84.6	125.0	138.1
142.5°	0.0	31.7	77.2	115.6	129.4
145°	0.0	28.0	69.6	105.7	120.6
147.5°	0.7	24.8	62.8	95.1	111.2
150°	0.7	22.3	56.0	84.6	100.7
152.5°	0.7	20.0	49.2	74.7	90.1
155°	0.7	17.4	43.0	64.6	80.2
157.5°	0.7	14.9	36.1	54.7	69.6
160°	0.7	13.1	29.9	46.0	59.7
162.5°	0.7	11.2	24.3	36.1	49.2
165°	0.7	9.4	19.3	26.7	37.9
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)