

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: P284648

Luminaire Tested: **2SNLED-LD5-16SL-SLW-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284648
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-LD5-16SL-SLW-UNV-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1347.0 lumens
Efficiency: N/A
Efficacy: 96.2 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

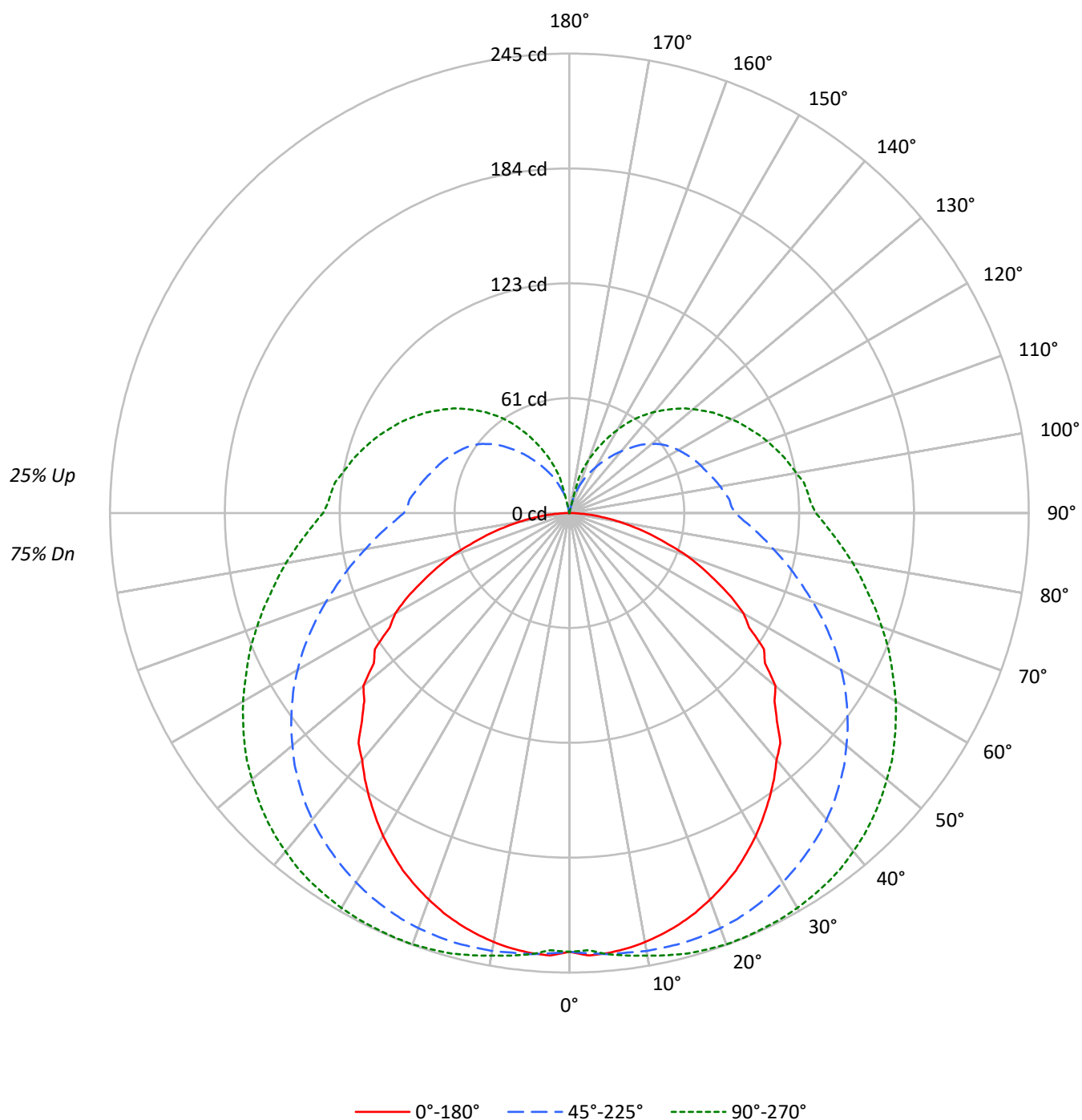
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3780	3780	3780
5°	3800	3729	3709
10°	3771	3690	3688
15°	3734	3663	3696
20°	3688	3640	3703
25°	3642	3620	3709
30°	3581	3602	3729
35°	3512	3583	3754
40°	3446	3574	3778
45°	3364	3557	3809
50°	3356	3541	3839
55°	3275	3531	3883
60°	3130	3522	3937
65°	2924	3514	4011
70°	2694	3524	4122
75°	2309	3586	4289
80°	1869	3728	4566
85°	1266	4032	4970



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	1.7
10°-20°	66.6	4.9
20°-30°	105.9	7.9
30°-40°	135.9	10.1
40°-50°	153.5	11.4
50°-60°	156.6	11.6
60°-70°	145.1	10.8
70°-80°	122.8	9.1
80°-90°	98.1	7.3
90°-100°	83.3	6.2
100°-110°	74.2	5.5
110°-120°	63.2	4.7
120°-130°	50.2	3.7
130°-140°	35.6	2.6
140°-150°	21.2	1.6
150°-160°	9.9	0.7
160°-170°	2.4	0.2
170°-180°	0.0	0.0
0°-30°	195.0	14.5
0°-40°	330.9	24.6
0°-60°	641.1	47.6
0°-90°	1007.1	74.8
90°-120°	220.6	16.4
90°-150°	327.7	24.3
90°-180°	340.0	25.2
0°-180°	1347.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	234	234	234	234	234	
5°	236	234	236	236	236	22
15°	227	229	237	242	243	64
25°	210	217	232	240	244	97
35°	186	199	221	234	240	116
45°	156	178	204	222	229	121
55°	127	148	181	203	212	111
65°	87	116	153	179	189	86
75°	46	81	124	154	165	48
85°	12	52	99	131	142	13
90°	1	42	88	120	131	1
95°	0	40	86	117	128	0
105°	0	37	78	107	118	0
115°	0	34	71	96	106	0
125°	0	30	63	85	93	0
135°	0	22	51	72	78	0
145°	0	14	35	54	61	0
155°	0	9	22	33	41	0
165°	0	5	10	14	19	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°	233.9	233.9	233.9	233.9	233.9
2.5°	236.1	233.6	234.9	234.5	233.3
5°	235.5	233.6	236.1	236.1	236.1
7.5°	234.2	232.9	236.4	237.7	238.0
10°	232.3	232.3	237.1	239.0	239.6
12.5°	229.8	230.7	237.1	239.9	241.5
15°	226.9	228.8	237.1	241.5	243.1
17.5°	223.4	226.6	236.4	241.8	244.0
20°	219.3	224.1	235.5	241.8	244.7
22.5°	214.9	221.0	234.2	241.2	244.7
25°	210.2	217.1	232.3	240.5	244.4
27.5°	204.5	213.4	230.1	239.6	244.0
30°	198.8	208.9	227.5	238.3	243.1
32.5°	192.4	204.1	224.4	236.4	241.8
35°	185.8	199.4	221.0	234.5	240.3
37.5°	179.1	193.7	217.5	232.0	238.3
40°	171.9	188.0	213.4	228.8	235.5
42.5°	166.5	182.0	208.9	225.7	232.7
45°	156.4	177.6	203.8	221.6	229.2
47.5°	148.4	169.0	198.8	217.5	225.3
50°	143.4	162.0	192.8	212.7	221.0
52.5°	131.4	157.3	187.1	208.0	216.8
55°	126.6	147.9	180.7	202.9	211.7
57.5°	113.6	141.2	174.4	197.2	206.4
60°	107.3	132.0	167.4	191.5	201.0
62.5°	97.5	124.1	160.5	185.2	195.0
65°	86.7	115.6	152.9	179.1	189.3
67.5°	76.6	107.0	145.6	172.8	183.6
70°	66.8	98.1	138.0	166.5	177.2
72.5°	55.3	89.3	130.7	160.5	171.3
75°	45.6	80.7	123.8	154.2	164.9
77.5°	36.0	72.5	117.1	148.4	159.2
80°	27.2	64.6	110.4	142.5	153.5
82.5°	19.0	57.9	104.5	136.7	147.5
85°	11.7	51.9	98.7	130.7	141.8
87.5°	5.4	46.6	93.0	125.0	136.4
90°	0.6	42.5	88.3	120.3	131.4
92.5°	0.3	41.2	86.4	118.0	128.8
95°	0.0	39.9	85.5	116.8	127.5
97.5°	0.0	38.6	83.3	114.9	126.0
100°	0.0	38.0	81.7	112.1	122.8
102.5°	0.0	37.1	79.8	109.5	120.3
105°	0.0	36.7	77.9	107.3	117.8
107.5°	0.0	36.0	75.9	104.5	114.9
110°	0.0	35.4	74.4	101.9	112.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.8	72.8	99.4	109.2
115°	0.0	34.2	70.9	96.5	106.0
117.5°	0.0	33.2	69.0	93.7	103.2
120°	0.0	31.9	67.1	91.1	100.0
122.5°	0.0	30.7	65.2	88.0	96.5
125°	0.0	29.5	62.9	85.2	93.4
127.5°	0.0	27.5	60.5	82.0	89.6
130°	0.0	25.6	57.3	78.8	86.1
132.5°	0.3	23.7	54.2	75.3	82.6
135°	0.0	21.9	50.7	71.8	78.5
137.5°	0.0	20.2	46.8	68.1	74.4
140°	0.0	18.4	43.0	63.6	70.3
142.5°	0.0	16.1	39.3	58.9	65.9
145°	0.0	14.3	35.4	53.8	61.4
147.5°	0.3	12.6	31.9	48.4	56.6
150°	0.3	11.4	28.5	43.0	51.2
152.5°	0.3	10.2	25.0	38.0	45.9
155°	0.3	8.9	21.9	32.9	40.8
157.5°	0.3	7.6	18.4	27.8	35.4
160°	0.3	6.7	15.2	23.4	30.4
162.5°	0.3	5.7	12.4	18.4	25.0
165°	0.3	4.8	9.8	13.6	19.3
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)