

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: P284726

Luminaire Tested: **2SNLED-LD5-16SL-SLW-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284726
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-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1470.0 lumens
Efficiency: N/A
Efficacy: 105.0 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

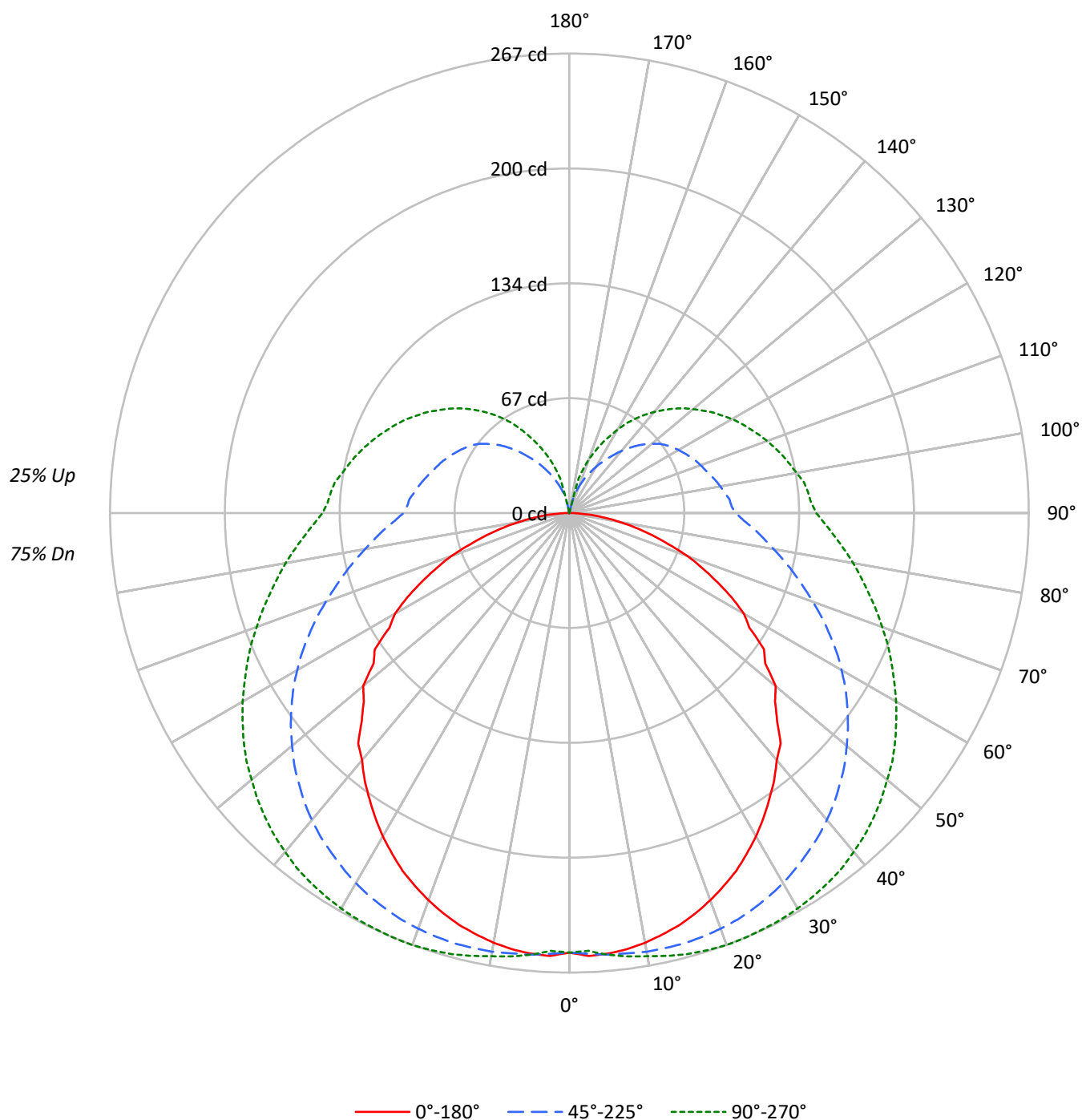
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4126	4126	4126
5°	4147	4069	4046
10°	4115	4027	4025
15°	4076	3999	4033
20°	4026	3973	4042
25°	3975	3950	4048
30°	3907	3931	4069
35°	3832	3909	4097
40°	3759	3899	4123
45°	3672	3881	4156
50°	3662	3864	4188
55°	3572	3853	4239
60°	3415	3844	4296
65°	3190	3836	4377
70°	2940	3845	4499
75°	2522	3914	4682
80°	2041	4069	4983
85°	1385	4404	5422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	1.7
10°-20°	72.7	4.9
20°-30°	115.6	7.9
30°-40°	148.3	10.1
40°-50°	167.5	11.4
50°-60°	170.9	11.6
60°-70°	158.3	10.8
70°-80°	134.1	9.1
80°-90°	107.0	7.3
90°-100°	90.9	6.2
100°-110°	81.0	5.5
110°-120°	69.0	4.7
120°-130°	54.8	3.7
130°-140°	38.9	2.6
140°-150°	23.2	1.6
150°-160°	10.8	0.7
160°-170°	2.6	0.2
170°-180°	0.0	0.0
0°-30°	212.8	14.5
0°-40°	361.2	24.6
0°-60°	699.6	47.6
0°-90°	1099.0	74.8
90°-120°	240.8	16.4
90°-150°	357.6	24.3
90°-180°	371.0	25.2
0°-180°	1470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	255	255	255	255	255	
5°	257	255	258	258	258	24
15°	248	250	259	264	265	70
25°	229	237	254	262	267	106
35°	203	218	241	256	262	127
45°	171	194	222	242	250	133
55°	138	161	197	221	231	121
65°	95	126	167	196	207	94
75°	50	88	135	168	180	53
85°	13	57	108	143	155	14
90°	1	46	96	131	143	1
95°	0	44	93	127	139	0
105°	0	40	85	117	128	0
115°	0	37	77	105	116	0
125°	0	32	69	93	102	0
135°	0	24	55	78	86	0
145°	0	16	39	59	67	0
155°	0	10	24	36	45	0
165°	0	5	11	15	21	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°	255.3	255.3	255.3	255.3	255.3
2.5°	257.6	254.9	256.3	256.0	254.6
5°	257.0	254.9	257.6	257.6	257.6
7.5°	255.6	254.2	258.0	259.4	259.8
10°	253.5	253.5	258.8	260.8	261.5
12.5°	250.7	251.8	258.8	261.8	263.5
15°	247.7	249.7	258.8	263.5	265.3
17.5°	243.8	247.3	258.0	263.9	266.3
20°	239.4	244.6	257.0	263.9	267.1
22.5°	234.5	241.1	255.6	263.2	267.1
25°	229.4	236.9	253.5	262.5	266.7
27.5°	223.2	232.8	251.1	261.5	266.3
30°	216.9	228.0	248.3	260.1	265.3
32.5°	210.0	222.8	244.9	258.0	263.9
35°	202.7	217.7	241.1	256.0	262.2
37.5°	195.5	211.4	237.3	253.2	260.1
40°	187.5	205.2	232.8	249.7	257.0
42.5°	181.7	198.6	228.0	246.3	253.9
45°	170.7	193.8	222.4	241.8	250.1
47.5°	162.0	184.5	216.9	237.3	245.9
50°	156.5	176.8	210.4	232.1	241.1
52.5°	143.4	171.7	204.1	227.0	236.6
55°	138.1	161.4	197.2	221.4	231.1
57.5°	124.0	154.1	190.3	215.2	225.2
60°	117.1	144.0	182.7	209.0	219.3
62.5°	106.4	135.4	175.1	202.1	212.8
65°	94.6	126.1	166.9	195.5	206.6
67.5°	83.6	116.8	158.9	188.6	200.3
70°	72.9	107.1	150.6	181.7	193.4
72.5°	60.4	97.4	142.6	175.1	186.9
75°	49.8	88.1	135.1	168.3	180.0
77.5°	39.3	79.1	127.8	162.0	173.7
80°	29.7	70.5	120.5	155.5	167.5
82.5°	20.7	63.2	114.0	149.2	161.0
85°	12.8	56.7	107.8	142.6	154.7
87.5°	5.9	50.8	101.5	136.5	148.9
90°	0.7	46.3	96.4	131.2	143.4
92.5°	0.4	44.9	94.3	128.8	140.6
95°	0.0	43.5	93.3	127.4	139.2
97.5°	0.0	42.1	90.9	125.4	137.5
100°	0.0	41.5	89.1	122.3	134.0
102.5°	0.0	40.5	87.1	119.5	131.2
105°	0.0	40.1	85.0	117.1	128.5
107.5°	0.0	39.3	82.9	114.0	125.4
110°	0.0	38.7	81.2	111.2	122.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	38.0	79.4	108.5	119.1
115°	0.0	37.3	77.4	105.3	115.7
117.5°	0.0	36.3	75.3	102.3	112.6
120°	0.0	34.9	73.3	99.5	109.2
122.5°	0.0	33.5	71.1	96.0	105.3
125°	0.0	32.2	68.7	92.9	101.9
127.5°	0.0	30.0	66.0	89.5	97.8
130°	0.0	28.0	62.5	86.0	94.0
132.5°	0.4	25.9	59.1	82.2	90.1
135°	0.0	23.9	55.3	78.4	85.7
137.5°	0.0	22.1	51.1	74.3	81.2
140°	0.0	20.0	47.0	69.4	76.7
142.5°	0.0	17.6	42.9	64.2	71.9
145°	0.0	15.6	38.7	58.7	67.0
147.5°	0.4	13.8	34.9	52.9	61.8
150°	0.4	12.4	31.1	47.0	55.9
152.5°	0.4	11.1	27.3	41.5	50.1
155°	0.4	9.7	23.9	35.9	44.6
157.5°	0.4	8.3	20.0	30.4	38.7
160°	0.4	7.3	16.6	25.5	33.2
162.5°	0.4	6.2	13.5	20.0	27.3
165°	0.4	5.2	10.7	14.8	21.1
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)