

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: P284687

Luminaire Tested: **2SNLED-LD5-16SL-SLW-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284687
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-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1379.0 lumens
Efficiency: N/A
Efficacy: 98.5 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

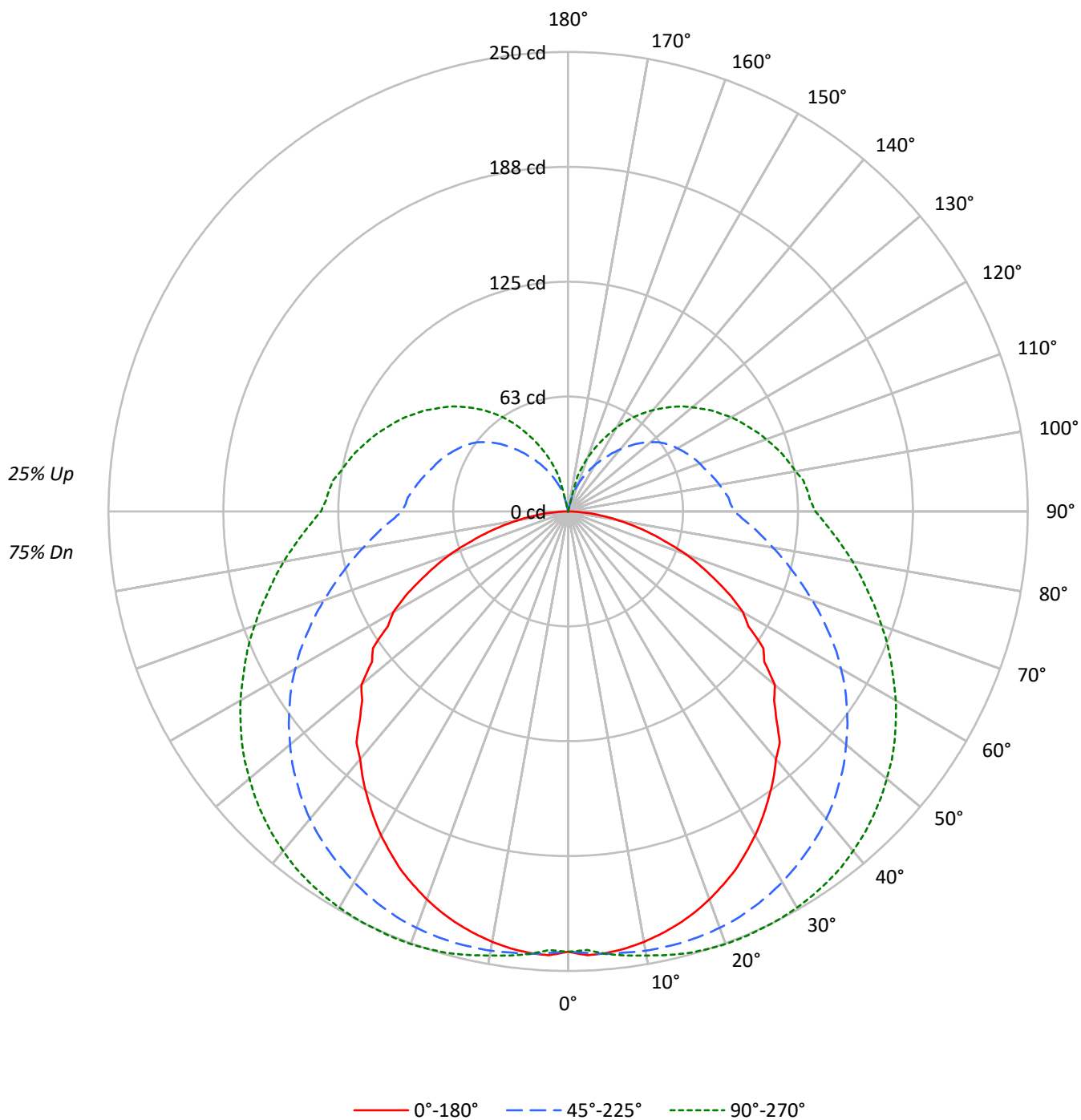
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3871	3871	3871
5°	3890	3818	3797
10°	3860	3777	3776
15°	3823	3750	3784
20°	3777	3727	3791
25°	3729	3706	3797
30°	3666	3687	3818
35°	3595	3668	3843
40°	3526	3658	3868
45°	3444	3641	3899
50°	3435	3626	3930
55°	3353	3615	3977
60°	3203	3606	4031
65°	2995	3597	4106
70°	2759	3608	4220
75°	2365	3670	4393
80°	1917	3820	4673
85°	1298	4130	5089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	1.7
10°-20°	68.2	4.9
20°-30°	108.4	7.9
30°-40°	139.2	10.1
40°-50°	157.1	11.4
50°-60°	160.3	11.6
60°-70°	148.6	10.8
70°-80°	125.8	9.1
80°-90°	100.4	7.3
90°-100°	85.2	6.2
100°-110°	75.9	5.5
110°-120°	64.7	4.7
120°-130°	51.4	3.7
130°-140°	36.4	2.6
140°-150°	21.8	1.6
150°-160°	10.1	0.7
160°-170°	2.4	0.2
170°-180°	0.0	0.0
0°-30°	199.7	14.5
0°-40°	338.8	24.6
0°-60°	656.3	47.6
0°-90°	1031.0	74.8
90°-120°	225.9	16.4
90°-150°	335.4	24.3
90°-180°	348.0	25.2
0°-180°	1379.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	240	240	240	240	240	
5°	241	239	242	242	242	23
15°	232	234	243	247	249	66
25°	215	222	238	246	250	99
35°	190	204	226	240	246	119
45°	160	182	209	227	235	124
55°	130	151	185	208	217	114
65°	89	118	156	183	194	88
75°	47	83	127	158	169	50
85°	12	53	101	134	145	13
90°	1	44	90	123	134	1
95°	0	41	88	120	131	0
105°	0	38	80	110	121	0
115°	0	35	73	99	108	0
125°	0	30	64	87	96	0
135°	0	22	52	74	80	0
145°	0	15	36	55	63	0
155°	0	9	22	34	42	0
165°	0	5	10	14	20	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°	239.5	239.5	239.5	239.5	239.5
2.5°	241.7	239.2	240.5	240.1	238.8
5°	241.1	239.2	241.7	241.7	241.7
7.5°	239.8	238.5	242.0	243.4	243.7
10°	237.8	237.8	242.7	244.7	245.3
12.5°	235.2	236.2	242.7	245.6	247.2
15°	232.3	234.3	242.7	247.2	248.9
17.5°	228.8	232.0	242.0	247.6	249.8
20°	224.6	229.5	241.1	247.6	250.5
22.5°	220.0	226.2	239.8	246.9	250.5
25°	215.2	222.3	237.8	246.2	250.2
27.5°	209.3	218.4	235.6	245.3	249.8
30°	203.5	213.9	232.9	244.0	248.9
32.5°	197.0	209.0	229.7	242.0	247.6
35°	190.2	204.2	226.2	240.1	246.0
37.5°	183.4	198.3	222.6	237.5	244.0
40°	175.9	192.5	218.4	234.3	241.1
42.5°	170.4	186.3	213.9	231.0	238.2
45°	160.1	181.8	208.6	226.8	234.6
47.5°	152.0	173.0	203.5	222.6	230.7
50°	146.8	165.9	197.4	217.7	226.2
52.5°	134.5	161.1	191.5	212.9	221.9
55°	129.6	151.4	185.0	207.7	216.8
57.5°	116.3	144.5	178.6	201.9	211.3
60°	109.8	135.1	171.4	196.0	205.8
62.5°	99.8	127.1	164.3	189.6	199.6
65°	88.8	118.3	156.5	183.4	193.8
67.5°	78.4	109.6	149.1	176.9	187.9
70°	68.4	100.5	141.3	170.4	181.4
72.5°	56.7	91.4	133.8	164.3	175.3
75°	46.7	82.6	126.7	157.8	168.9
77.5°	36.9	74.2	119.9	152.0	163.0
80°	27.9	66.1	113.1	145.9	157.1
82.5°	19.4	59.3	106.9	140.0	151.0
85°	12.0	53.2	101.1	133.8	145.2
87.5°	5.5	47.7	95.2	128.0	139.6
90°	0.6	43.5	90.4	123.1	134.5
92.5°	0.3	42.1	88.5	120.8	131.9
95°	0.0	40.8	87.5	119.5	130.6
97.5°	0.0	39.5	85.3	117.6	129.0
100°	0.0	38.9	83.6	114.7	125.7
102.5°	0.0	38.0	81.7	112.1	123.1
105°	0.0	37.6	79.7	109.8	120.6
107.5°	0.0	36.9	77.7	106.9	117.6
110°	0.0	36.3	76.2	104.3	114.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.7	74.5	101.8	111.8
115°	0.0	35.0	72.6	98.8	108.5
117.5°	0.0	34.0	70.7	95.9	105.6
120°	0.0	32.7	68.7	93.3	102.4
122.5°	0.0	31.4	66.7	90.1	98.8
125°	0.0	30.2	64.4	87.2	95.6
127.5°	0.0	28.2	61.9	83.9	91.7
130°	0.0	26.2	58.7	80.7	88.1
132.5°	0.3	24.3	55.4	77.1	84.6
135°	0.0	22.4	51.9	73.5	80.4
137.5°	0.0	20.7	47.9	69.7	76.2
140°	0.0	18.8	44.1	65.1	72.0
142.5°	0.0	16.5	40.2	60.2	67.4
145°	0.0	14.6	36.3	55.1	62.9
147.5°	0.3	12.9	32.7	49.6	58.0
150°	0.3	11.6	29.2	44.1	52.5
152.5°	0.3	10.4	25.6	38.9	47.0
155°	0.3	9.1	22.4	33.7	41.8
157.5°	0.3	7.8	18.8	28.5	36.3
160°	0.3	6.8	15.6	24.0	31.1
162.5°	0.3	5.9	12.7	18.8	25.6
165°	0.3	4.9	10.1	13.9	19.8
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)