

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: P284609

Luminaire Tested: **2SNLED-LD5-16SL-SLW-UNV-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284609
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-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1269.0 lumens
Efficiency: N/A
Efficacy: 90.6 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

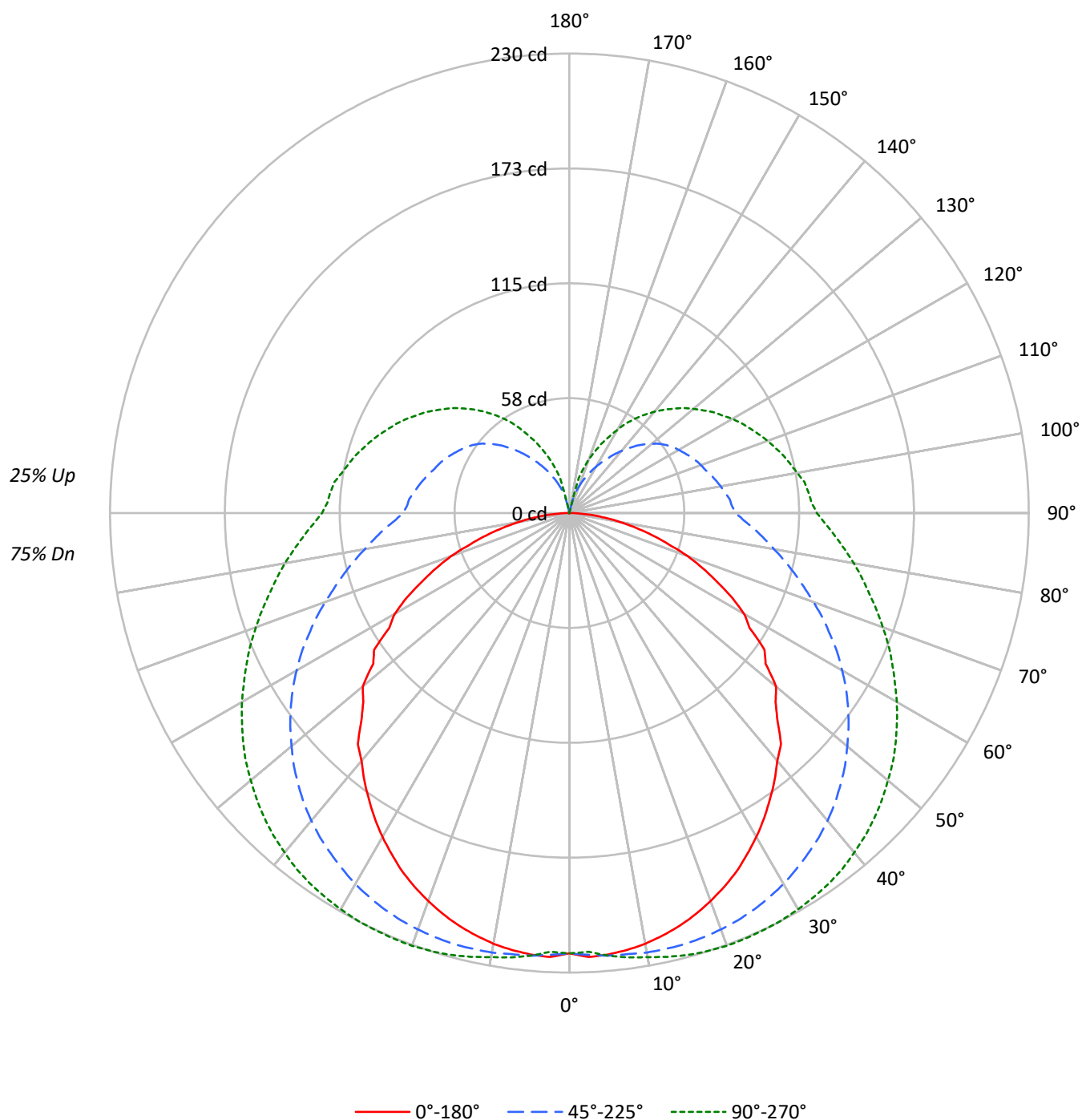
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					10
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°	3562	3562	3562
5°	3579	3513	3493
10°	3553	3476	3474
15°	3518	3452	3481
20°	3474	3428	3488
25°	3431	3411	3494
30°	3372	3394	3512
35°	3308	3376	3537
40°	3246	3366	3559
45°	3169	3351	3588
50°	3161	3335	3617
55°	3086	3327	3660
60°	2949	3318	3708
65°	2755	3309	3778
70°	2537	3319	3885
75°	2177	3378	4042
80°	1766	3512	4301
85°	1190	3799	4683



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	1.7
10°-20°	62.8	4.9
20°-30°	99.8	7.9
30°-40°	128.1	10.1
40°-50°	144.6	11.4
50°-60°	147.5	11.6
60°-70°	136.7	10.8
70°-80°	115.7	9.1
80°-90°	92.4	7.3
90°-100°	78.4	6.2
100°-110°	69.9	5.5
110°-120°	59.5	4.7
120°-130°	47.3	3.7
130°-140°	33.5	2.6
140°-150°	20.0	1.6
150°-160°	9.3	0.7
160°-170°	2.2	0.2
170°-180°	0.0	0.0
0°-30°	183.7	14.5
0°-40°	311.8	24.6
0°-60°	603.9	47.6
0°-90°	948.7	74.8
90°-120°	207.9	16.4
90°-150°	308.7	24.3
90°-180°	320.0	25.2
0°-180°	1269.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	220	220	220	220	220	
5°	222	220	222	222	222	21
15°	214	216	223	228	229	60
25°	198	204	219	227	230	91
35°	175	188	208	221	226	110
45°	147	167	192	209	216	114
55°	119	139	170	191	200	105
65°	82	109	144	169	178	81
75°	43	76	117	145	155	46
85°	11	49	93	123	134	12
90°	1	40	83	113	124	1
95°	0	38	80	110	120	0
105°	0	35	73	101	111	0
115°	0	32	67	91	100	0
125°	0	28	59	80	88	0
135°	0	21	48	68	74	0
145°	0	13	33	51	58	0
155°	0	8	21	31	38	0
165°	0	4	9	13	18	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°	220.4	220.4	220.4	220.4	220.4
2.5°	222.4	220.1	221.3	221.0	219.8
5°	221.8	220.1	222.4	222.4	222.4
7.5°	220.6	219.4	222.7	223.9	224.3
10°	218.9	218.9	223.4	225.1	225.7
12.5°	216.5	217.3	223.4	226.0	227.5
15°	213.8	215.6	223.4	227.5	229.0
17.5°	210.5	213.5	222.7	227.8	229.9
20°	206.6	211.1	221.8	227.8	230.5
22.5°	202.5	208.2	220.6	227.2	230.5
25°	198.0	204.5	218.9	226.6	230.2
27.5°	192.6	201.0	216.8	225.7	229.9
30°	187.2	196.8	214.4	224.5	229.0
32.5°	181.3	192.3	211.4	222.7	227.8
35°	175.0	187.9	208.2	221.0	226.4
37.5°	168.7	182.5	204.9	218.6	224.5
40°	161.9	177.1	201.0	215.6	221.8
42.5°	156.8	171.5	196.8	212.6	219.2
45°	147.3	167.3	192.0	208.7	215.9
47.5°	139.9	159.2	187.2	204.9	212.3
50°	135.1	152.6	181.6	200.4	208.2
52.5°	123.8	148.2	176.2	195.9	204.2
55°	119.3	139.3	170.3	191.1	199.5
57.5°	107.0	133.0	164.3	185.8	194.4
60°	101.1	124.3	157.7	180.4	189.3
62.5°	91.8	116.9	151.2	174.5	183.7
65°	81.7	108.9	144.0	168.7	178.3
67.5°	72.2	100.8	137.2	162.8	172.9
70°	62.9	92.5	130.0	156.8	167.0
72.5°	52.1	84.1	123.1	151.2	161.3
75°	43.0	76.0	116.6	145.2	155.4
77.5°	34.0	68.3	110.3	139.9	150.0
80°	25.7	60.8	104.0	134.2	144.6
82.5°	17.9	54.6	98.4	128.8	139.0
85°	11.0	48.9	93.0	123.1	133.6
87.5°	5.1	43.9	87.6	117.8	128.5
90°	0.6	40.0	83.2	113.3	123.8
92.5°	0.3	38.8	81.4	111.2	121.3
95°	0.0	37.6	80.5	110.0	120.1
97.5°	0.0	36.4	78.5	108.2	118.7
100°	0.0	35.8	76.9	105.6	115.7
102.5°	0.0	34.9	75.2	103.2	113.3
105°	0.0	34.6	73.4	101.1	111.0
107.5°	0.0	34.0	71.5	98.4	108.2
110°	0.0	33.4	70.1	96.0	105.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	32.8	68.6	93.7	102.8
115°	0.0	32.2	66.8	90.9	99.9
117.5°	0.0	31.3	65.0	88.3	97.2
120°	0.0	30.1	63.2	85.9	94.2
122.5°	0.0	28.9	61.4	82.9	90.9
125°	0.0	27.8	59.3	80.2	88.0
127.5°	0.0	25.9	57.0	77.2	84.4
130°	0.0	24.1	54.0	74.3	81.1
132.5°	0.3	22.4	51.0	71.0	77.8
135°	0.0	20.6	47.7	67.7	73.9
137.5°	0.0	19.1	44.1	64.1	70.1
140°	0.0	17.3	40.6	59.9	66.2
142.5°	0.0	15.2	37.0	55.4	62.0
145°	0.0	13.4	33.4	50.7	57.9
147.5°	0.3	11.9	30.1	45.6	53.4
150°	0.3	10.7	26.9	40.6	48.3
152.5°	0.3	9.6	23.6	35.8	43.2
155°	0.3	8.4	20.6	31.0	38.5
157.5°	0.3	7.2	17.3	26.2	33.4
160°	0.3	6.3	14.3	22.0	28.6
162.5°	0.3	5.4	11.7	17.3	23.6
165°	0.3	4.5	9.3	12.8	18.2
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)