

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: P#

Luminaire Tested: **2SNLED-LD5-22SL-SLN-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-22SL-SLN-UNV-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

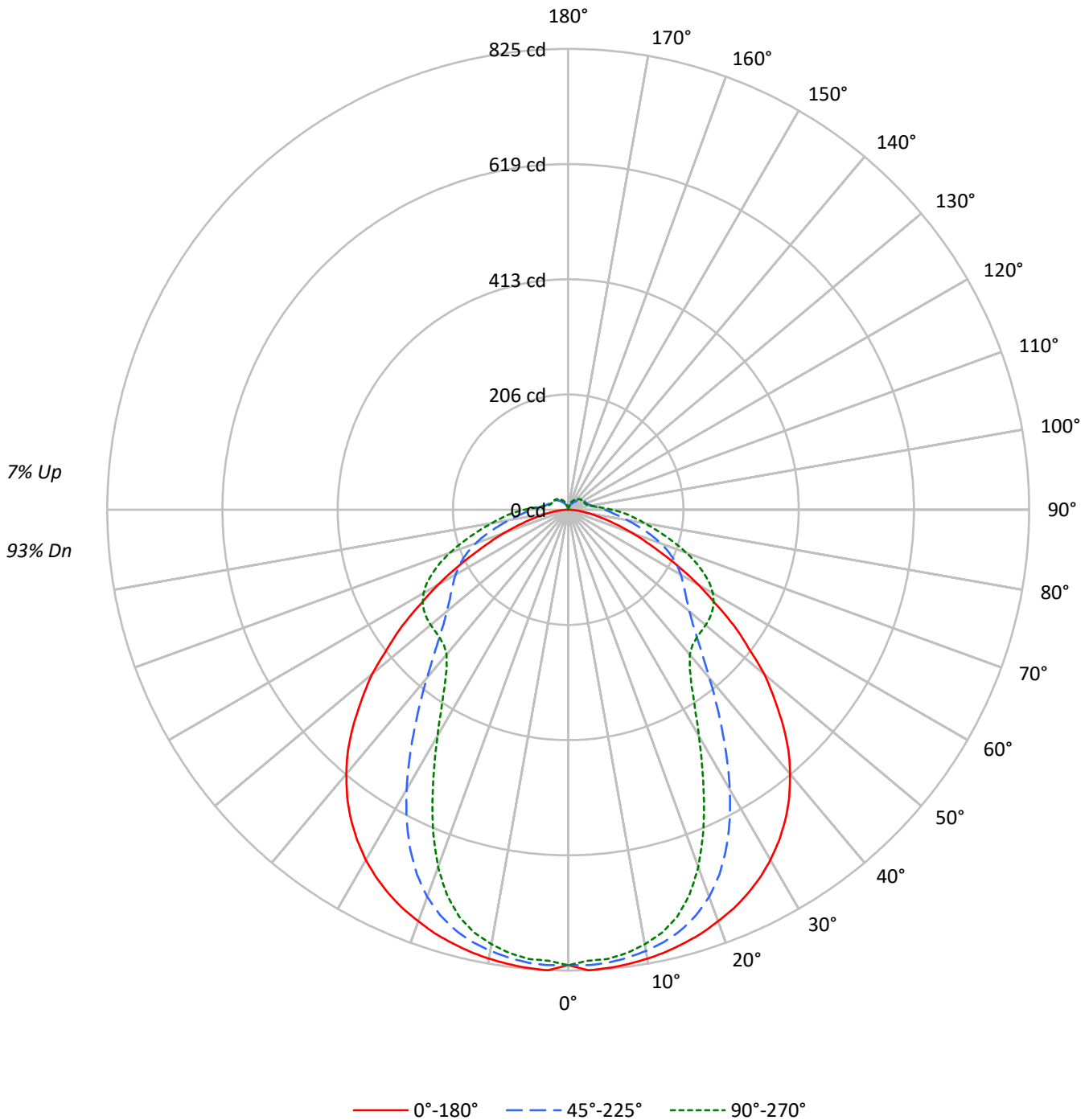
Lumens per Lamp: N/A
Luminaire Lumens: 2050.0 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 18
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93				
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76				
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64				
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54				
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47				
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41				
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36				
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32				
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29				
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27				
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13175	13175	13175
5°	13291	12859	12683
10°	13249	12482	12160
15°	13216	12042	11466
20°	13184	11401	10297
25°	13148	10428	8720
30°	13043	9159	7172
35°	12811	7778	6010
40°	12385	6573	5434
45°	11675	5700	5393
50°	10727	5200	5582
55°	9385	4984	5776
60°	7852	4898	5857
65°	6249	4771	5674
70°	4944	4504	5234
75°	3641	4053	4643
80°	2584	3614	4132
85°	1568	3370	3800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	3.8
10°-20°	218.0	10.6
20°-30°	304.7	14.9
30°-40°	316.1	15.4
40°-50°	292.0	14.2
50°-60°	260.7	12.7
60°-70°	211.3	10.3
70°-80°	140.5	6.9
80°-90°	80.5	3.9
90°-100°	44.5	2.2
100°-110°	30.2	1.5
110°-120°	25.1	1.2
120°-130°	20.4	1.0
130°-140°	14.7	0.7
140°-150°	8.9	0.4
150°-160°	4.3	0.2
160°-170°	1.1	0.1
170°-180°	0.0	0.0
0°-30°	599.8	29.3
0°-40°	915.9	44.7
0°-60°	1468.6	71.6
0°-90°	1900.8	92.7
90°-120°	99.8	4.9
90°-150°	143.8	7.0
90°-180°	149.0	7.3
0°-180°	2050.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	815	815	815	815	815	
5°	824	810	814	808	807	78
15°	803	786	779	762	754	227
25°	759	725	669	599	575	350
35°	678	603	480	403	385	423
45°	543	430	327	315	324	417
55°	363	274	255	296	315	323
65°	185	166	208	254	268	187
75°	72	90	140	172	178	79
85°	14	42	82	106	108	17
90°	1	29	65	79	78	1
95°	1	25	52	55	54	1
105°	0	22	37	36	34	0
115°	0	20	33	33	32	0
125°	0	17	29	30	30	0
135°	1	12	23	27	27	1
145°	1	8	16	21	22	0
155°	1	5	10	13	16	0
165°	1	3	5	6	8	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°	815.2	815.2	815.2	815.2	815.2
2.5°	825.4	812.0	816.2	812.7	808.1
5°	823.7	809.8	814.1	808.4	807.4
7.5°	820.5	806.7	809.1	802.4	800.6
10°	816.2	801.7	802.1	792.5	790.0
12.5°	810.6	794.6	792.5	779.4	775.8
15°	803.1	786.1	779.4	761.7	754.2
17.5°	795.0	775.1	761.3	734.0	722.3
20°	784.0	761.7	737.6	696.1	680.5
22.5°	773.0	745.4	706.8	651.5	630.6
25°	758.8	725.2	669.2	599.1	574.6
27.5°	742.9	701.4	626.0	545.2	519.0
30°	724.1	672.7	578.5	492.4	467.6
32.5°	702.2	640.5	528.6	445.0	421.9
35°	677.7	603.3	479.7	402.8	384.7
37.5°	649.7	562.6	434.3	368.8	357.1
40°	617.8	518.3	392.5	342.6	338.7
42.5°	583.5	475.1	356.7	325.6	329.1
45°	542.7	430.1	326.6	314.9	324.5
47.5°	499.9	386.1	302.2	308.9	322.7
50°	458.4	345.4	283.1	305.0	321.3
52.5°	407.0	308.9	267.8	301.5	319.2
55°	362.8	274.2	255.1	296.5	314.9
57.5°	311.8	243.0	243.7	290.1	308.6
60°	269.2	214.7	232.8	281.3	299.0
62.5°	226.0	189.2	220.7	269.6	285.5
65°	185.3	165.8	207.6	254.4	267.8
67.5°	151.3	144.5	192.7	235.9	247.3
70°	122.6	125.1	176.4	215.4	225.0
72.5°	94.2	107.0	158.7	193.4	201.6
75°	71.9	90.0	139.9	171.5	178.5
77.5°	53.1	75.1	122.9	151.6	157.6
80°	37.6	62.0	107.0	134.3	138.9
82.5°	25.2	51.0	93.9	118.7	122.9
85°	14.5	41.8	82.5	105.6	108.4
87.5°	6.0	34.7	73.3	92.1	93.5
90°	0.7	29.4	65.2	78.6	77.9
92.5°	0.7	26.6	58.1	65.9	64.1
95°	0.7	24.8	51.7	55.3	53.5
97.5°	0.7	23.7	46.1	47.5	45.7
100°	0.4	23.0	42.2	42.2	40.4
102.5°	0.4	22.3	39.3	38.3	36.8
105°	0.4	21.6	37.2	36.1	34.4
107.5°	0.4	21.3	35.8	34.7	32.9
110°	0.4	20.5	34.7	33.7	32.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	20.2	34.0	33.3	31.5
115°	0.4	19.5	32.9	32.6	31.5
117.5°	0.4	18.8	32.2	32.2	31.2
120°	0.4	18.1	31.2	31.9	30.8
122.5°	0.4	17.4	30.1	31.2	30.1
125°	0.4	16.7	29.0	30.5	29.8
127.5°	0.7	15.6	27.6	29.8	29.0
130°	0.4	14.5	26.2	29.0	28.7
132.5°	0.7	13.5	24.8	28.0	28.0
135°	0.7	12.4	23.0	26.9	26.9
137.5°	0.7	11.0	21.3	25.5	25.9
140°	0.7	9.9	19.5	24.1	24.8
142.5°	0.7	8.9	17.7	22.7	23.7
145°	0.7	7.8	15.9	20.9	22.3
147.5°	0.7	7.1	14.2	18.8	20.9
150°	0.7	6.0	12.8	17.0	19.1
152.5°	0.7	5.3	11.3	15.2	17.7
155°	0.7	5.0	9.9	13.1	15.9
157.5°	0.7	4.3	8.5	11.3	14.2
160°	0.7	3.5	7.1	9.9	12.0
162.5°	0.7	3.2	6.0	8.1	10.6
165°	0.7	2.8	5.0	6.4	8.5
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)