

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-L930-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-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

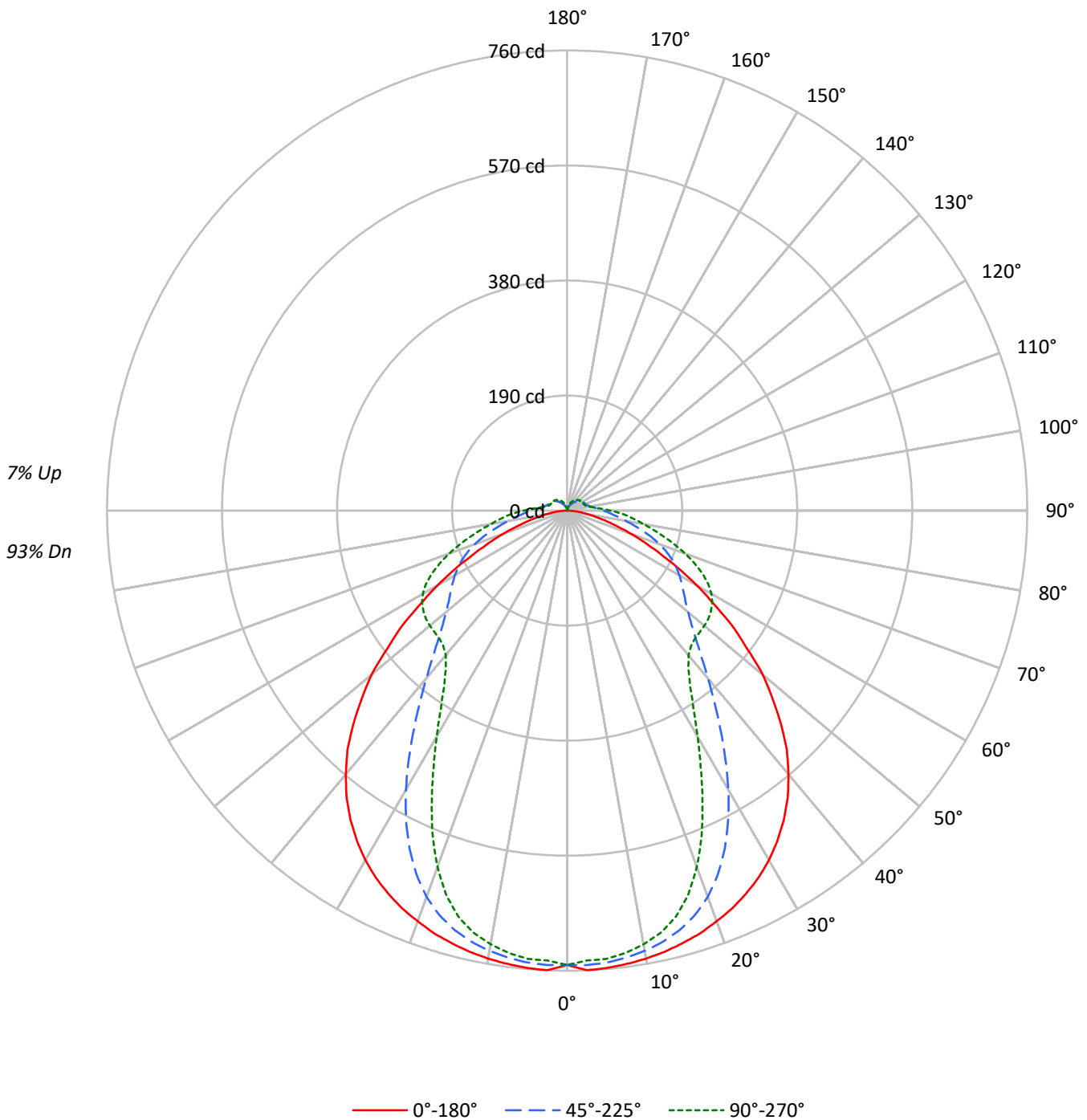
Lumens per Lamp: N/A
Luminaire Lumens: 1887.0 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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			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	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°	12126	12126	12126
5°	12234	11837	11674
10°	12195	11489	11193
15°	12166	11084	10555
20°	12137	10494	9479
25°	12103	9599	8027
30°	12005	8431	6602
35°	11792	7159	5532
40°	11401	6051	5001
45°	10747	5248	4964
50°	9875	4786	5139
55°	8638	4588	5318
60°	7228	4507	5391
65°	5750	4392	5223
70°	4549	4147	4818
75°	3352	3731	4276
80°	2378	3327	3802
85°	1449	3105	3498



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	3.8
10°-20°	200.7	10.6
20°-30°	280.5	14.9
30°-40°	290.9	15.4
40°-50°	268.8	14.2
50°-60°	240.0	12.7
60°-70°	194.5	10.3
70°-80°	129.4	6.9
80°-90°	74.1	3.9
90°-100°	41.0	2.2
100°-110°	27.7	1.5
110°-120°	23.1	1.2
120°-130°	18.8	1.0
130°-140°	13.6	0.7
140°-150°	8.2	0.4
150°-160°	3.9	0.2
160°-170°	1.0	0.1
170°-180°	0.0	0.0
0°-30°	552.1	29.3
0°-40°	843.1	44.7
0°-60°	1351.8	71.6
0°-90°	1749.7	92.7
90°-120°	91.8	4.9
90°-150°	132.3	7.0
90°-180°	137.0	7.3
0°-180°	1887.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	750	750	750	750	750	
5°	758	746	749	744	743	72
15°	739	724	717	701	694	209
25°	698	668	616	551	529	322
35°	624	555	442	371	354	389
45°	500	396	301	290	299	384
55°	334	252	235	273	290	297
65°	170	153	191	234	246	172
75°	66	83	129	158	164	73
85°	13	38	76	97	100	15
90°	1	27	60	72	72	1
95°	1	23	48	51	49	1
105°	0	20	34	33	32	0
115°	0	18	30	30	29	0
125°	0	15	27	28	27	0
135°	1	11	21	25	25	1
145°	1	7	15	19	20	0
155°	1	5	9	12	15	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°	750.3	750.3	750.3	750.3	750.3
2.5°	759.8	747.4	751.3	748.1	743.8
5°	758.2	745.5	749.4	744.2	743.2
7.5°	755.2	742.5	744.8	738.6	737.0
10°	751.3	738.0	738.3	729.5	727.2
12.5°	746.1	731.4	729.5	717.4	714.2
15°	739.3	723.6	717.4	701.1	694.3
17.5°	731.8	713.5	700.8	675.7	664.9
20°	721.7	701.1	678.9	640.8	626.4
22.5°	711.5	686.1	650.6	599.7	580.5
25°	698.5	667.5	616.0	551.4	528.9
27.5°	683.8	645.7	576.2	501.9	477.7
30°	666.5	619.3	532.5	453.3	430.4
32.5°	646.3	589.6	486.5	409.6	388.4
35°	623.8	555.3	441.5	370.8	354.1
37.5°	598.1	517.8	399.8	339.5	328.7
40°	568.7	477.1	361.3	315.3	311.7
42.5°	537.1	437.3	328.4	299.7	302.9
45°	499.6	395.9	300.7	289.9	298.7
47.5°	460.1	355.4	278.2	284.4	297.1
50°	422.0	317.9	260.6	280.8	295.8
52.5°	374.7	284.4	246.5	277.5	293.8
55°	333.9	252.4	234.8	272.9	289.9
57.5°	287.0	223.7	224.4	267.1	284.0
60°	247.8	197.6	214.2	258.9	275.2
62.5°	208.0	174.1	203.2	248.2	262.8
65°	170.5	152.6	191.1	234.1	246.5
67.5°	139.2	133.0	177.4	217.2	227.6
70°	112.8	115.1	162.4	198.3	207.1
72.5°	86.7	98.5	146.1	178.0	185.5
75°	66.2	82.8	128.8	157.8	164.4
77.5°	48.9	69.1	113.2	139.6	145.1
80°	34.6	57.1	98.5	123.6	127.8
82.5°	23.2	47.0	86.4	109.2	113.2
85°	13.4	38.5	76.0	97.2	99.8
87.5°	5.5	32.0	67.5	84.8	86.1
90°	0.7	27.1	60.0	72.4	71.7
92.5°	0.7	24.5	53.5	60.7	59.0
95°	0.7	22.8	47.6	50.9	49.2
97.5°	0.7	21.8	42.4	43.7	42.1
100°	0.3	21.2	38.8	38.8	37.2
102.5°	0.3	20.5	36.2	35.2	33.9
105°	0.3	19.9	34.2	33.3	31.6
107.5°	0.3	19.6	32.9	32.0	30.3
110°	0.3	18.9	32.0	31.0	29.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	18.6	31.3	30.7	29.0
115°	0.3	17.9	30.3	30.0	29.0
117.5°	0.3	17.3	29.7	29.7	28.7
120°	0.3	16.6	28.7	29.3	28.4
122.5°	0.3	16.0	27.7	28.7	27.7
125°	0.3	15.3	26.7	28.0	27.4
127.5°	0.7	14.3	25.4	27.4	26.7
130°	0.3	13.4	24.1	26.7	26.4
132.5°	0.7	12.4	22.8	25.8	25.8
135°	0.7	11.4	21.2	24.8	24.8
137.5°	0.7	10.1	19.6	23.5	23.8
140°	0.7	9.1	17.9	22.2	22.8
142.5°	0.7	8.2	16.3	20.9	21.8
145°	0.7	7.2	14.7	19.2	20.5
147.5°	0.7	6.5	13.0	17.3	19.2
150°	0.7	5.5	11.7	15.7	17.6
152.5°	0.7	4.9	10.4	14.0	16.3
155°	0.7	4.6	9.1	12.1	14.7
157.5°	0.7	3.9	7.8	10.4	13.0
160°	0.7	3.3	6.5	9.1	11.1
162.5°	0.7	2.9	5.5	7.5	9.8
165°	0.7	2.6	4.6	5.9	7.8
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)