

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: **8SNLED-LD5-112SL-SLC-UNV-L935-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-112SL-SLC-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

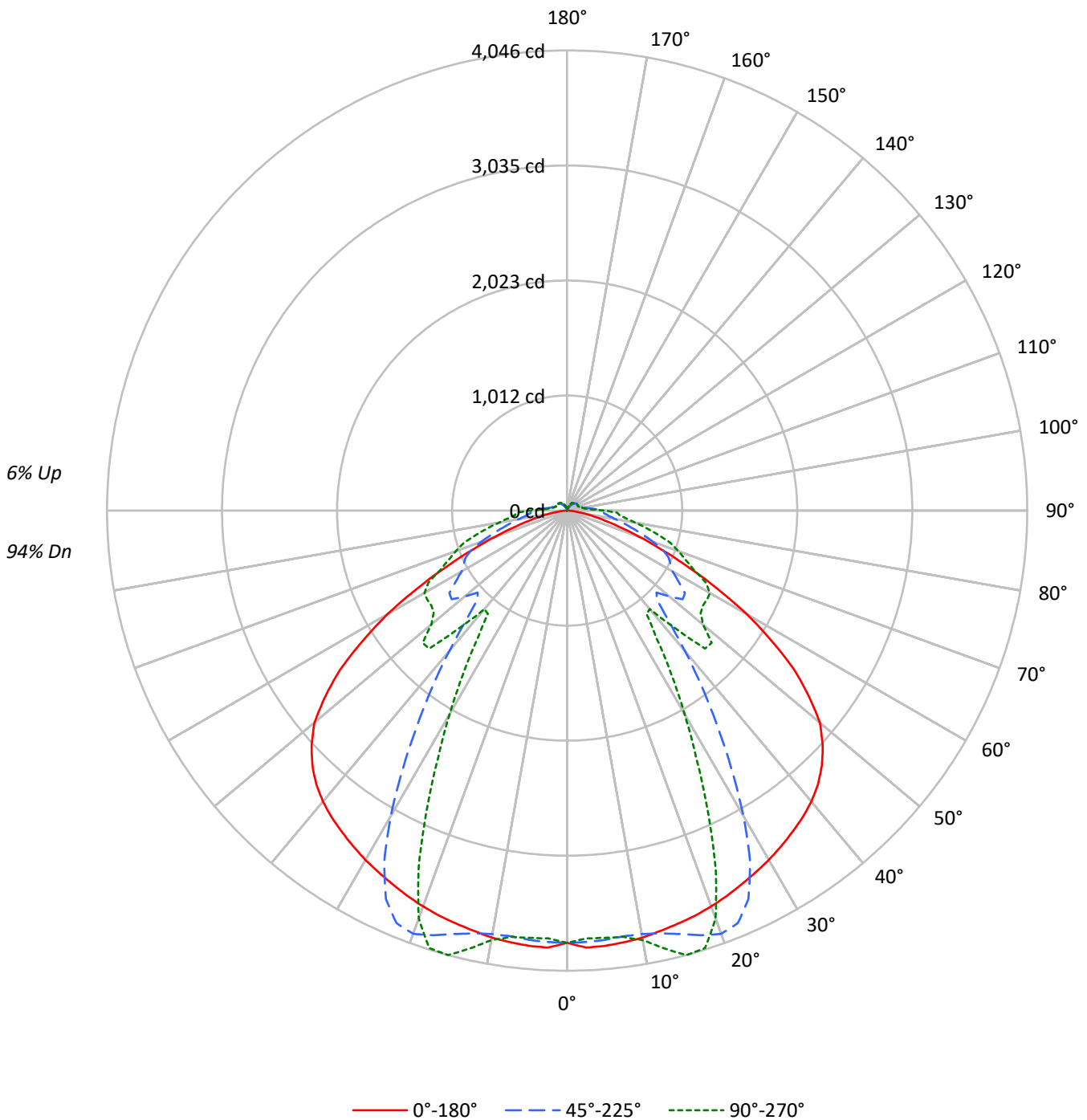
Lumens per Lamp: N/A
Luminaire Lumens: 9759.0 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 92
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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15350	15350	15350
5°	15558	15005	14807
10°	15599	14790	14755
15°	15664	15012	15379
20°	15833	15472	14435
25°	16055	14883	11115
30°	16400	12477	7906
35°	16838	9459	5353
40°	17389	6883	4533
45°	17826	4999	7127
50°	17902	5542	6763
55°	16792	6387	6679
60°	14370	5854	7099
65°	10874	5915	6494
70°	7696	5397	6044
75°	5110	4535	5424
80°	3343	3901	4515
85°	1920	3730	4053



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.4	3.7
10°-20°	1091.5	11.2
20°-30°	1585.6	16.2
30°-40°	1515.0	15.5
40°-50°	1385.8	14.2
50°-60°	1279.5	13.1
60°-70°	1016.4	10.4
70°-80°	627.3	6.4
80°-90°	341.6	3.5
90°-100°	172.7	1.8
100°-110°	108.5	1.1
110°-120°	91.9	0.9
120°-130°	75.1	0.8
130°-140°	53.9	0.6
140°-150°	33.2	0.3
150°-160°	15.8	0.2
160°-170°	4.1	0.0
170°-180°	0.0	0.0
0°-30°	3038.5	31.1
0°-40°	4553.5	46.7
0°-60°	7218.7	74.0
0°-90°	9204.0	94.3
90°-120°	373.0	3.8
90°-150°	535.2	5.5
90°-180°	555.0	5.7
0°-180°	9759.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3799	3799	3799	3799	3799	
5°	3841	3782	3789	3769	3770	366
15°	3760	3710	3855	3998	4046	1064
25°	3628	3698	3769	3190	2930	1677
35°	3451	3396	2289	1576	1371	2164
45°	3168	2210	1117	1424	1715	2435
55°	2437	1134	1265	1360	1456	2146
65°	1176	735	986	1197	1226	1189
75°	346	392	590	782	834	393
85°	49	166	335	456	462	62
90°	2	124	299	355	328	3
95°	0	116	207	183	173	0
105°	0	104	128	116	114	0
115°	0	86	123	109	104	1
125°	2	69	109	106	101	1
135°	2	49	88	96	92	1
145°	2	30	60	77	82	1
155°	3	18	37	49	59	1
165°	3	10	18	24	32	1
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°	3799.1	3799.1	3799.1	3799.1	3799.1
2.5°	3846.2	3790.7	3797.4	3785.6	3765.5
5°	3841.1	3782.3	3789.0	3768.8	3770.5
7.5°	3827.7	3767.1	3775.5	3772.2	3780.6
10°	3812.5	3748.6	3780.6	3809.2	3834.4
12.5°	3785.6	3728.5	3805.8	3889.9	3942.0
15°	3760.4	3710.0	3854.6	3997.5	4046.3
17.5°	3735.2	3703.2	3915.1	4039.6	4032.8
20°	3703.2	3699.9	3960.5	3918.5	3815.9
22.5°	3667.9	3701.5	3925.2	3617.5	3415.6
25°	3627.5	3698.2	3768.8	3190.3	2929.6
27.5°	3587.2	3683.0	3484.6	2722.8	2465.5
30°	3546.8	3642.7	3101.2	2295.6	2061.8
32.5°	3499.7	3555.2	2684.1	1917.2	1701.9
35°	3451.0	3395.5	2288.9	1575.8	1370.6
37.5°	3400.5	3165.1	1934.0	1276.5	1145.3
40°	3340.0	2875.8	1607.8	1094.8	1130.1
42.5°	3264.3	2549.5	1320.2	1148.6	1394.2
45°	3168.4	2209.8	1116.7	1424.4	1715.4
47.5°	3047.3	1883.6	1066.2	1631.3	1722.1
50°	2901.0	1584.2	1172.2	1564.0	1557.3
52.5°	2679.0	1335.3	1279.8	1426.1	1479.9
55°	2436.9	1133.5	1264.7	1360.5	1456.4
57.5°	2130.8	997.3	1160.4	1347.1	1458.1
60°	1826.4	906.5	1071.3	1345.4	1449.7
62.5°	1490.0	824.1	1025.9	1313.5	1375.7
65°	1175.5	734.9	985.5	1197.4	1226.0
67.5°	901.4	644.1	914.9	1067.9	1125.1
70°	679.4	555.0	803.9	968.7	1039.3
72.5°	489.4	470.9	689.5	881.2	955.2
75°	346.4	391.8	590.3	782.0	834.2
77.5°	238.8	319.5	506.2	672.7	714.7
80°	156.4	255.6	430.5	578.5	607.1
82.5°	94.2	205.2	373.3	506.2	521.3
85°	48.8	166.5	334.7	455.8	462.5
87.5°	15.1	139.6	312.8	432.2	440.6
90°	1.7	124.4	299.4	354.9	327.9
92.5°	0.0	117.7	259.0	242.2	216.9
95°	0.0	116.0	206.9	183.3	173.2
97.5°	0.0	112.7	169.9	153.0	148.0
100°	0.0	109.3	146.3	134.5	132.9
102.5°	0.0	107.6	132.9	122.8	121.1
105°	0.0	104.3	127.8	116.0	114.4
107.5°	0.0	99.2	124.4	112.7	109.3
110°	0.0	94.2	124.4	111.0	106.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	89.1	124.4	109.3	104.3
115°	0.0	85.8	122.8	109.3	104.3
117.5°	1.7	82.4	121.1	109.3	104.3
120°	0.0	79.0	117.7	109.3	102.6
122.5°	1.7	74.0	114.4	107.6	102.6
125°	1.7	69.0	109.3	106.0	100.9
127.5°	1.7	63.9	104.3	102.6	97.5
130°	1.7	58.9	99.2	100.9	95.9
132.5°	1.7	53.8	92.5	97.5	94.2
135°	1.7	48.8	87.5	95.9	92.5
137.5°	1.7	43.7	80.7	90.8	90.8
140°	1.7	38.7	74.0	87.5	89.1
142.5°	1.7	35.3	67.3	84.1	85.8
145°	1.7	30.3	60.5	77.4	82.4
147.5°	1.7	26.9	53.8	70.6	77.4
150°	1.7	23.5	47.1	63.9	70.6
152.5°	1.7	20.2	42.0	55.5	65.6
155°	3.4	18.5	37.0	48.8	58.9
157.5°	3.4	15.1	30.3	42.0	50.5
160°	3.4	13.5	26.9	35.3	45.4
162.5°	3.4	11.8	21.9	30.3	38.7
165°	3.4	10.1	18.5	23.5	32.0
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)