

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-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 (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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

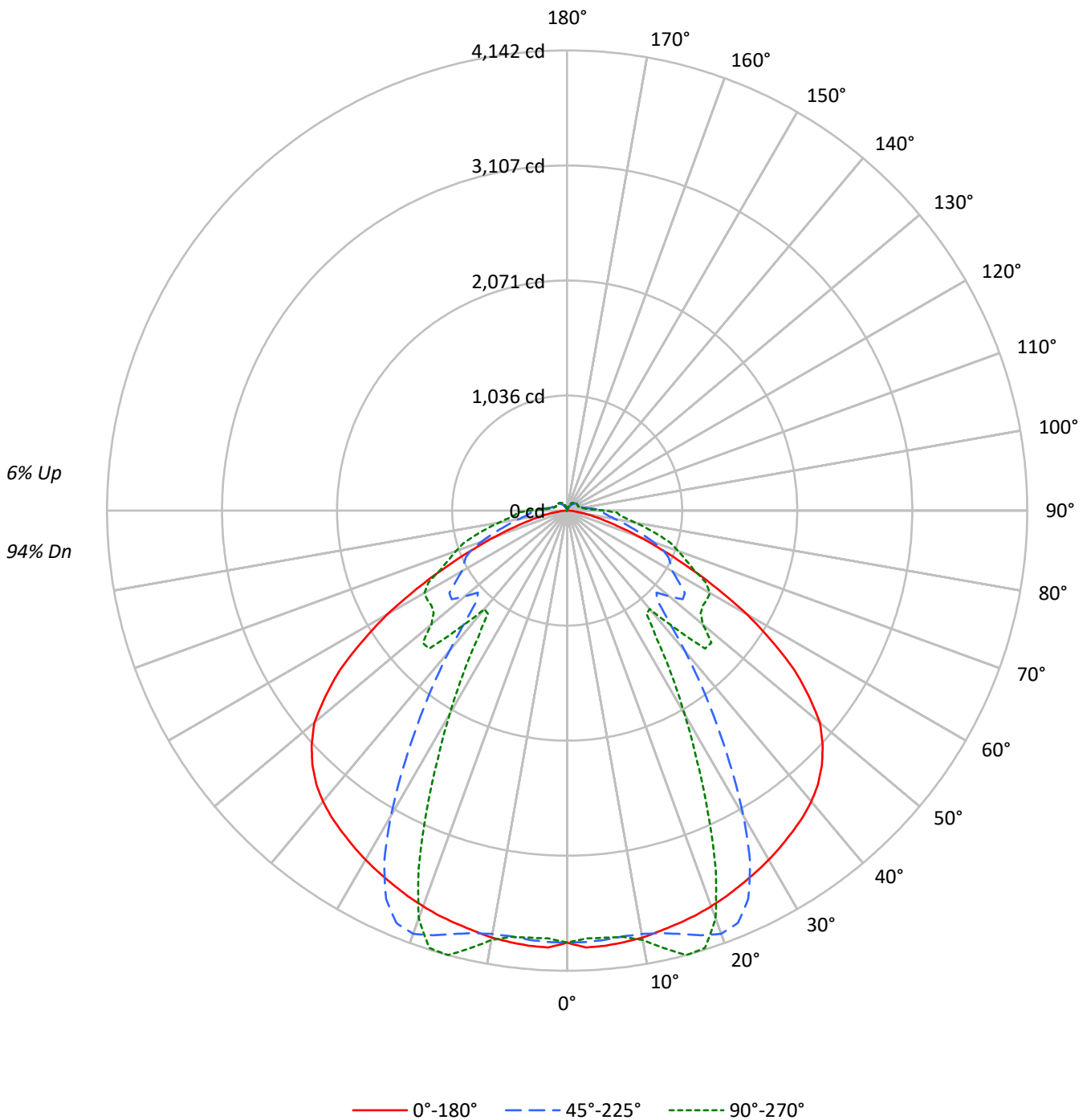
Lumens per Lamp: N/A
Luminaire Lumens: 9989.0 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	15712	15712	15712
5°	15925	15359	15156
10°	15967	15139	15103
15°	16033	15365	15742
20°	16206	15837	14776
25°	16434	15234	11377
30°	16786	12771	8092
35°	17235	9682	5480
40°	17799	7045	4640
45°	18246	5117	7295
50°	18324	5673	6923
55°	17187	6538	6836
60°	14709	5992	7266
65°	11131	6054	6647
70°	7877	5524	6187
75°	5231	4642	5552
80°	3422	3993	4621
85°	1963	3818	4148



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.9	3.7
10°-20°	1117.2	11.2
20°-30°	1623.0	16.2
30°-40°	1550.6	15.5
40°-50°	1418.4	14.2
50°-60°	1309.7	13.1
60°-70°	1040.3	10.4
70°-80°	642.1	6.4
80°-90°	349.6	3.5
90°-100°	176.7	1.8
100°-110°	111.0	1.1
110°-120°	94.1	0.9
120°-130°	76.8	0.8
130°-140°	55.1	0.6
140°-150°	34.0	0.3
150°-160°	16.1	0.2
160°-170°	4.2	0.0
170°-180°	0.0	0.0
0°-30°	3110.1	31.1
0°-40°	4660.8	46.7
0°-60°	7388.9	74.0
0°-90°	9420.9	94.3
90°-120°	381.8	3.8
90°-150°	547.7	5.5
90°-180°	568.0	5.7
0°-180°	9989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3889	3889	3889	3889	3889	
5°	3932	3871	3878	3858	3859	374
15°	3849	3797	3945	4092	4142	1089
25°	3713	3785	3858	3266	2999	1716
35°	3532	3476	2343	1613	1403	2215
45°	3243	2262	1143	1458	1756	2492
55°	2494	1160	1294	1393	1491	2197
65°	1203	752	1009	1226	1255	1217
75°	355	401	604	800	854	402
85°	50	170	343	466	473	64
90°	2	127	306	363	336	3
95°	0	119	212	188	177	0
105°	0	107	131	119	117	0
115°	0	88	126	112	107	1
125°	2	71	112	108	103	1
135°	2	50	90	98	95	1
145°	2	31	62	79	84	1
155°	3	19	38	50	60	1
165°	3	10	19	24	33	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3888.6	3888.6	3888.6	3888.6	3888.6
2.5°	3936.8	3880.0	3886.9	3874.9	3854.2
5°	3931.7	3871.4	3878.3	3857.6	3859.4
7.5°	3917.9	3855.9	3864.5	3861.1	3869.7
10°	3902.4	3837.0	3869.7	3899.0	3924.8
12.5°	3874.9	3816.3	3895.5	3981.6	4034.9
15°	3849.0	3797.4	3945.4	4091.7	4141.7
17.5°	3823.2	3790.5	4007.4	4134.8	4127.9
20°	3790.5	3787.1	4053.9	4010.8	3905.8
22.5°	3754.4	3788.8	4017.7	3702.7	3496.1
25°	3713.0	3785.3	3857.6	3265.5	2998.7
27.5°	3671.7	3769.8	3566.7	2786.9	2523.6
30°	3630.4	3728.5	3174.2	2349.7	2110.4
32.5°	3582.2	3639.0	2747.3	1962.4	1742.0
35°	3532.3	3475.5	2342.8	1612.9	1402.9
37.5°	3480.7	3239.7	1979.6	1306.5	1172.3
40°	3418.7	2943.6	1645.6	1120.6	1156.8
42.5°	3341.2	2609.6	1351.3	1175.7	1427.0
45°	3243.1	2261.9	1143.0	1458.0	1755.8
47.5°	3119.2	1928.0	1091.4	1669.7	1762.7
50°	2969.4	1621.6	1199.8	1600.9	1594.0
52.5°	2742.2	1366.8	1310.0	1459.7	1514.8
55°	2494.3	1160.2	1294.5	1392.6	1490.7
57.5°	2181.0	1020.8	1187.8	1378.8	1492.4
60°	1869.4	927.8	1096.5	1377.1	1483.8
62.5°	1525.2	843.5	1050.0	1344.4	1408.1
65°	1203.3	752.2	1008.7	1225.6	1254.9
67.5°	922.7	659.3	936.4	1093.1	1151.6
70°	695.4	568.1	822.8	991.5	1063.8
72.5°	500.9	482.0	705.8	902.0	977.8
75°	354.6	401.1	604.2	800.4	853.8
77.5°	244.4	327.1	518.1	688.6	731.6
80°	160.1	261.7	440.7	592.2	621.4
82.5°	96.4	210.0	382.1	518.1	533.6
85°	49.9	170.4	342.6	466.5	473.4
87.5°	15.5	142.9	320.2	442.4	451.0
90°	1.7	127.4	306.4	363.2	335.7
92.5°	0.0	120.5	265.1	247.9	222.1
95°	0.0	118.8	211.7	187.6	177.3
97.5°	0.0	115.3	173.9	156.6	151.5
100°	0.0	111.9	149.8	137.7	136.0
102.5°	0.0	110.2	136.0	125.7	123.9
105°	0.0	106.7	130.8	118.8	117.1
107.5°	0.0	101.6	127.4	115.3	111.9
110°	0.0	96.4	127.4	113.6	108.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	91.2	127.4	111.9	106.7
115°	0.0	87.8	125.7	111.9	106.7
117.5°	1.7	84.3	123.9	111.9	106.7
120°	0.0	80.9	120.5	111.9	105.0
122.5°	1.7	75.7	117.1	110.2	105.0
125°	1.7	70.6	111.9	108.4	103.3
127.5°	1.7	65.4	106.7	105.0	99.8
130°	1.7	60.2	101.6	103.3	98.1
132.5°	1.7	55.1	94.7	99.8	96.4
135°	1.7	49.9	89.5	98.1	94.7
137.5°	1.7	44.8	82.6	93.0	93.0
140°	1.7	39.6	75.7	89.5	91.2
142.5°	1.7	36.1	68.9	86.1	87.8
145°	1.7	31.0	62.0	79.2	84.3
147.5°	1.7	27.5	55.1	72.3	79.2
150°	1.7	24.1	48.2	65.4	72.3
152.5°	1.7	20.7	43.0	56.8	67.1
155°	3.4	18.9	37.9	49.9	60.2
157.5°	3.4	15.5	31.0	43.0	51.6
160°	3.4	13.8	27.5	36.1	46.5
162.5°	3.4	12.0	22.4	31.0	39.6
165°	3.4	10.3	18.9	24.1	32.7
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)