

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-LD5-136SL-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: 8SNLED-LD5-136SL-SLN-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

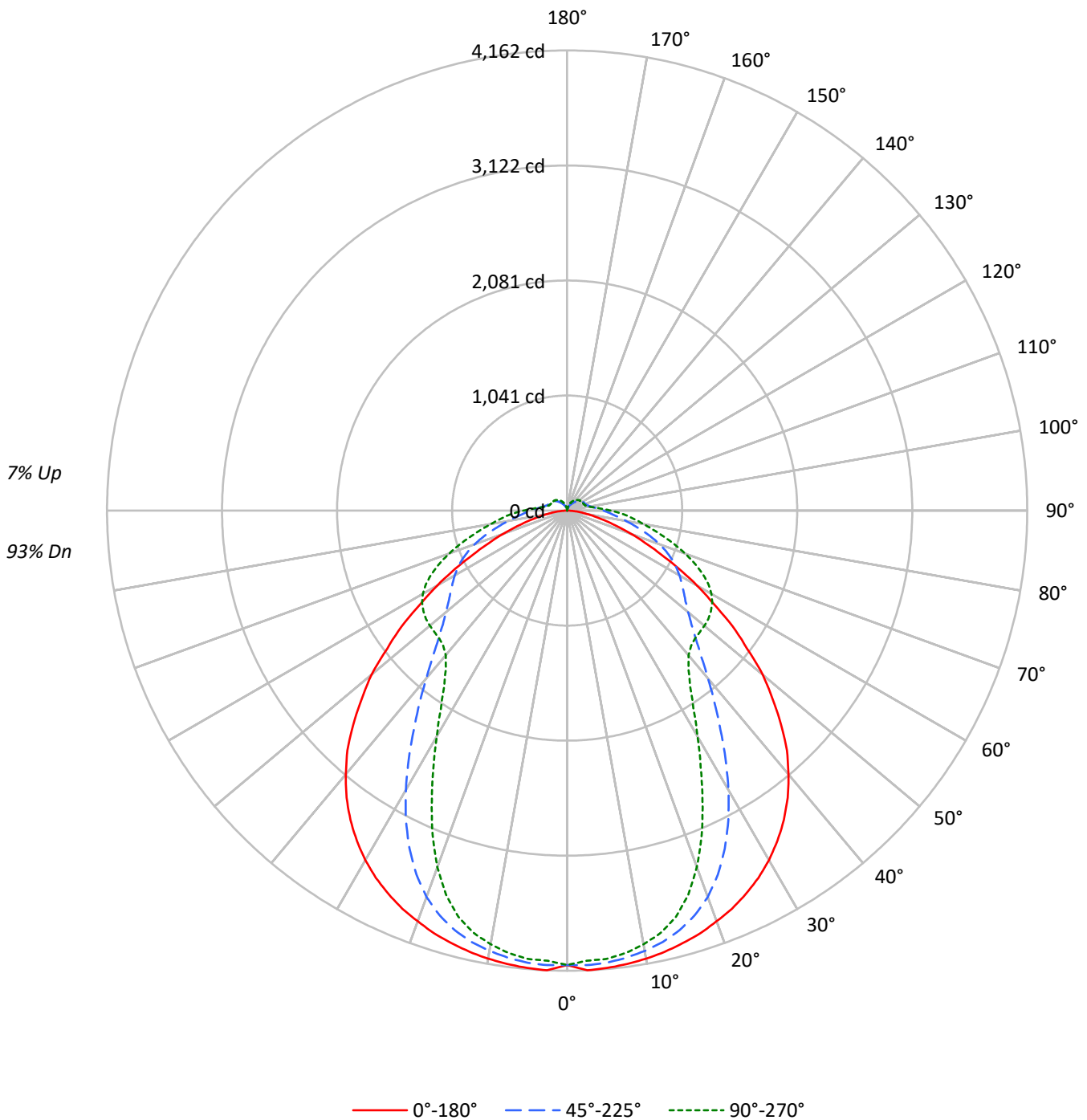
Lumens per Lamp: N/A
Luminaire Lumens: 10336.0 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 110
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	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°	16606	16606	16606
5°	16821	16255	15986
10°	16838	15820	15328
15°	16868	15304	14454
20°	16900	14528	12981
25°	16934	13325	10992
30°	16882	11735	9041
35°	16672	9995	7577
40°	16218	8473	6849
45°	15396	7372	6797
50°	14263	6748	7036
55°	12604	6495	7282
60°	10681	6412	7382
65°	8642	6282	7153
70°	7000	5972	6596
75°	5349	5421	5853
80°	4046	4887	5207
85°	2879	4638	4790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.8	3.8
10°-20°	1099.0	10.6
20°-30°	1536.4	14.9
30°-40°	1593.6	15.4
40°-50°	1472.2	14.2
50°-60°	1314.4	12.7
60°-70°	1065.2	10.3
70°-80°	708.5	6.9
80°-90°	405.7	3.9
90°-100°	224.5	2.2
100°-110°	152.0	1.5
110°-120°	126.6	1.2
120°-130°	102.9	1.0
130°-140°	74.2	0.7
140°-150°	44.8	0.4
150°-160°	21.5	0.2
160°-170°	5.6	0.1
170°-180°	0.0	0.0
0°-30°	3024.3	29.3
0°-40°	4617.9	44.7
0°-60°	7404.5	71.6
0°-90°	9584.0	92.7
90°-120°	503.0	4.9
90°-150°	724.9	7.0
90°-180°	752.0	7.3
0°-180°	10336.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4110	4110	4110	4110	4110	
5°	4153	4083	4105	4076	4071	395
15°	4049	3964	3930	3840	3803	1144
25°	3826	3656	3374	3020	2897	1763
35°	3417	3042	2418	2031	1940	2132
45°	2736	2168	1647	1588	1636	2104
55°	1829	1382	1286	1495	1588	1626
65°	934	836	1047	1282	1350	944
75°	363	454	706	864	900	398
85°	73	211	416	532	547	84
90°	4	148	329	396	393	6
95°	4	125	261	279	270	3
105°	2	109	188	182	173	2
115°	2	98	166	164	159	2
125°	2	84	146	154	150	2
135°	4	62	116	136	136	3
145°	4	39	80	105	112	2
155°	4	25	50	66	80	2
165°	4	14	25	32	43	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°	4110.0	4110.0	4110.0	4110.0	4110.0
2.5°	4161.8	4093.9	4115.4	4097.5	4074.3
5°	4152.9	4083.2	4104.6	4076.1	4070.7
7.5°	4136.8	4067.1	4079.6	4045.7	4036.8
10°	4115.4	4042.1	4043.9	3995.7	3983.2
12.5°	4086.8	4006.4	3995.7	3929.6	3911.7
15°	4049.3	3963.5	3929.6	3840.3	3802.8
17.5°	4008.2	3908.2	3838.5	3701.0	3642.0
20°	3952.8	3840.3	3718.8	3509.8	3431.3
22.5°	3897.5	3758.1	3563.4	3284.8	3179.4
25°	3826.0	3656.3	3374.1	3020.4	2897.2
27.5°	3745.6	3536.6	3156.2	2748.9	2616.8
30°	3651.0	3392.0	2916.8	2482.8	2357.8
32.5°	3540.2	3229.4	2665.0	2243.4	2127.3
35°	3417.0	3041.9	2418.5	2030.9	1939.8
37.5°	3275.9	2836.5	2189.9	1859.4	1800.5
40°	3115.1	2613.2	1979.1	1727.2	1707.6
42.5°	2941.8	2395.3	1798.7	1641.5	1659.4
45°	2736.4	2168.4	1646.9	1587.9	1636.1
47.5°	2520.3	1946.9	1523.6	1557.6	1627.2
50°	2311.3	1741.5	1427.2	1537.9	1620.1
52.5°	2052.3	1557.6	1350.4	1520.0	1609.4
55°	1829.1	1382.5	1286.1	1495.0	1587.9
57.5°	1571.8	1225.3	1228.9	1462.9	1555.8
60°	1357.5	1082.4	1173.5	1418.2	1507.5
62.5°	1139.6	953.8	1112.8	1359.3	1439.7
65°	934.2	835.9	1046.7	1282.5	1350.4
67.5°	762.7	728.8	971.7	1189.6	1246.8
70°	618.0	630.5	889.5	1086.0	1134.2
72.5°	475.1	539.4	800.2	975.3	1016.3
75°	362.6	453.7	705.5	864.5	900.2
77.5°	267.9	378.7	619.8	764.5	794.9
80°	189.3	312.6	539.4	677.0	700.2
82.5°	126.8	257.2	473.3	598.4	619.8
85°	73.2	210.8	416.2	532.3	546.6
87.5°	30.4	175.0	369.7	464.4	471.6
90°	3.6	148.3	328.7	396.5	393.0
92.5°	3.6	134.0	292.9	332.2	323.3
95°	3.6	125.0	260.8	278.6	269.7
97.5°	3.6	119.7	232.2	239.3	230.4
100°	1.8	116.1	212.6	212.6	203.6
102.5°	1.8	112.5	198.3	192.9	185.8
105°	1.8	109.0	187.5	182.2	173.3
107.5°	1.8	107.2	180.4	175.0	166.1
110°	1.8	103.6	175.0	169.7	162.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	101.8	171.5	167.9	159.0
115°	1.8	98.2	166.1	164.3	159.0
117.5°	1.8	94.7	162.5	162.5	157.2
120°	1.8	91.1	157.2	160.8	155.4
122.5°	1.8	87.5	151.8	157.2	151.8
125°	1.8	84.0	146.5	153.6	150.0
127.5°	3.6	78.6	139.3	150.0	146.5
130°	1.8	73.2	132.2	146.5	144.7
132.5°	3.6	67.9	125.0	141.1	141.1
135°	3.6	62.5	116.1	135.7	135.7
137.5°	3.6	55.4	107.2	128.6	130.4
140°	3.6	50.0	98.2	121.5	125.0
142.5°	3.6	44.7	89.3	114.3	119.7
145°	3.6	39.3	80.4	105.4	112.5
147.5°	3.6	35.7	71.4	94.7	105.4
150°	3.6	30.4	64.3	85.7	96.5
152.5°	3.6	26.8	57.2	76.8	89.3
155°	3.6	25.0	50.0	66.1	80.4
157.5°	3.6	21.4	42.9	57.2	71.4
160°	3.6	17.9	35.7	50.0	60.7
162.5°	3.6	16.1	30.4	41.1	53.6
165°	3.6	14.3	25.0	32.2	42.9
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)