

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-LD5-134SL-SLC-UNV-L850-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-LD5-134SL-SLC-UNV-L850-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

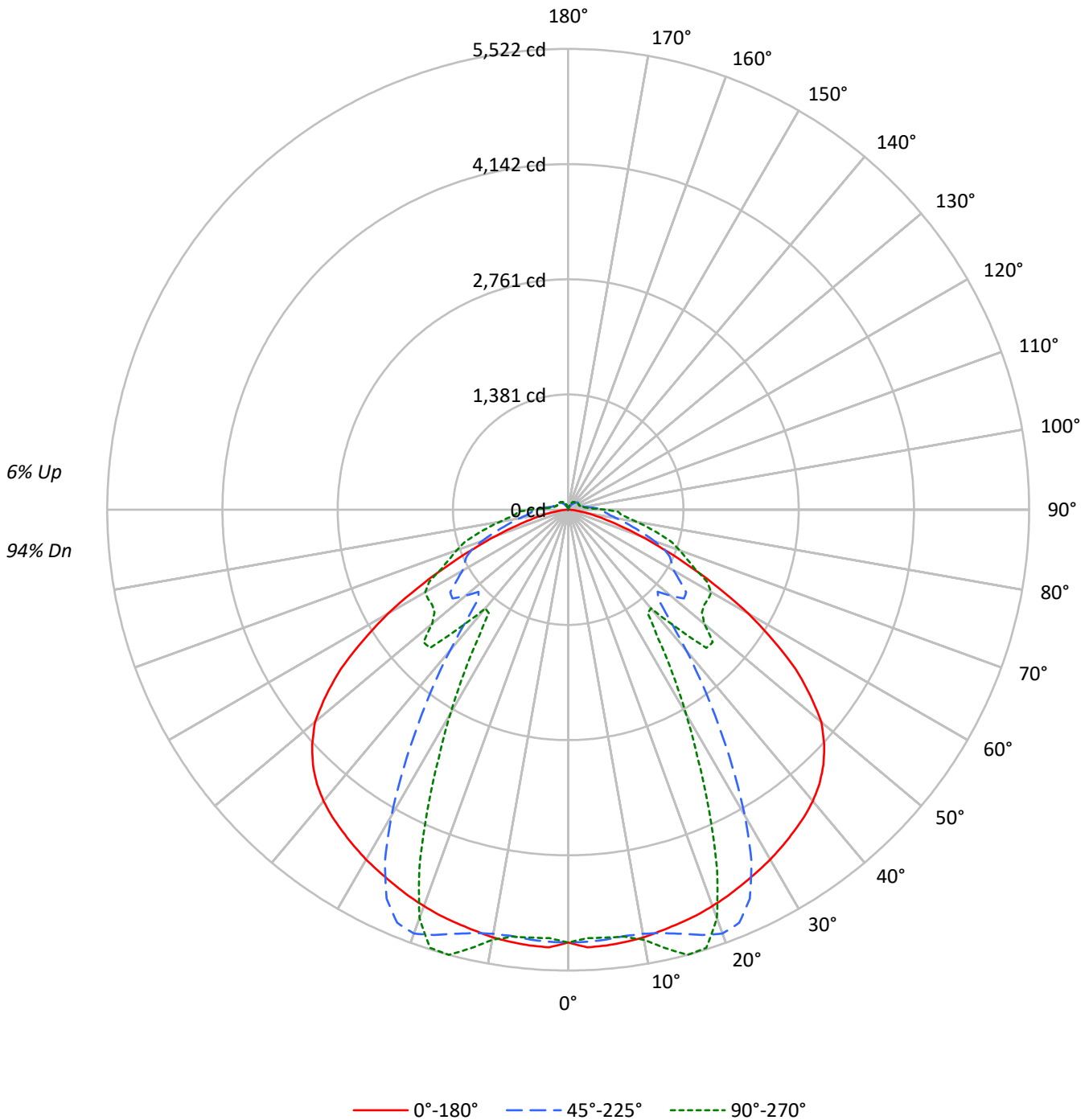
Lumens per Lamp: N/A
Luminaire Lumens: 13319.0 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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	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°	20950	20950	20950
5°	21233	20479	20208
10°	21290	20185	20138
15°	21379	20488	20989
20°	21609	21117	19701
25°	21912	20312	15170
30°	22383	17028	10790
35°	22980	12909	7306
40°	23732	9394	6187
45°	24329	6822	9727
50°	24433	7564	9231
55°	22917	8717	9115
60°	19612	7989	9689
65°	14842	8073	8863
70°	10504	7366	8250
75°	6974	6190	7402
80°	4563	5324	6162
85°	2620	5090	5531



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.3	3.7
10°-20°	1489.7	11.2
20°-30°	2164.0	16.2
30°-40°	2067.6	15.5
40°-50°	1891.3	14.2
50°-60°	1746.3	13.1
60°-70°	1387.1	10.4
70°-80°	856.2	6.4
80°-90°	466.2	3.5
90°-100°	235.6	1.8
100°-110°	148.1	1.1
110°-120°	125.4	0.9
120°-130°	102.4	0.8
130°-140°	73.5	0.6
140°-150°	45.3	0.3
150°-160°	21.5	0.2
160°-170°	5.6	0.0
170°-180°	0.0	0.0
0°-30°	4146.9	31.1
0°-40°	6214.5	46.7
0°-60°	9852.1	74.0
0°-90°	12561.6	94.3
90°-120°	509.1	3.8
90°-150°	730.4	5.5
90°-180°	757.0	5.7
0°-180°	13319.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5185	5185	5185	5185	5185	
5°	5242	5162	5171	5144	5146	499
15°	5132	5063	5261	5456	5522	1452
25°	4951	5047	5144	4354	3998	2288
35°	4710	4634	3124	2151	1871	2953
45°	4324	3016	1524	1944	2341	3323
55°	3326	1547	1726	1857	1988	2929
65°	1604	1003	1345	1634	1673	1622
75°	473	535	806	1067	1138	536
85°	67	227	457	622	631	85
90°	2	170	409	484	448	3
95°	0	158	282	250	236	0
105°	0	142	174	158	156	0
115°	0	117	168	149	142	1
125°	2	94	149	145	138	2
135°	2	67	119	131	126	2
145°	2	41	83	106	112	1
155°	5	25	50	67	80	2
165°	5	14	25	32	44	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-SLC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5185.0	5185.0	5185.0	5185.0	5185.0
2.5°	5249.2	5173.5	5182.7	5166.6	5139.1
5°	5242.3	5162.0	5171.2	5143.6	5145.9
7.5°	5224.0	5141.3	5152.8	5148.2	5159.7
10°	5203.3	5116.1	5159.7	5198.7	5233.2
12.5°	5166.6	5088.6	5194.1	5308.9	5380.1
15°	5132.2	5063.3	5260.7	5455.8	5522.4
17.5°	5097.7	5054.1	5343.3	5513.2	5504.0
20°	5054.1	5049.5	5405.3	5347.9	5207.9
22.5°	5005.9	5051.8	5357.1	4937.1	4661.6
25°	4950.8	5047.2	5143.6	4354.1	3998.3
27.5°	4895.8	5026.6	4755.7	3716.0	3364.8
30°	4840.7	4971.5	4232.4	3133.0	2814.0
32.5°	4776.4	4852.1	3663.2	2616.6	2322.8
35°	4709.8	4634.1	3123.8	2150.6	1870.6
37.5°	4641.0	4319.7	2639.5	1742.1	1563.1
40°	4558.4	3924.9	2194.3	1494.2	1542.4
42.5°	4455.1	3479.6	1801.8	1567.7	1902.8
45°	4324.2	3016.0	1524.0	1944.1	2341.2
47.5°	4159.0	2570.7	1455.2	2226.4	2350.3
50°	3959.3	2162.1	1599.8	2134.6	2125.4
52.5°	3656.3	1822.4	1746.7	1946.4	2019.8
55°	3325.8	1547.0	1726.0	1856.9	1987.7
57.5°	2908.1	1361.1	1583.7	1838.5	1990.0
60°	2492.6	1237.1	1462.1	1836.2	1978.5
62.5°	2033.6	1124.7	1400.1	1792.6	1877.5
65°	1604.4	1003.0	1345.0	1634.2	1673.2
67.5°	1230.3	879.1	1248.6	1457.5	1535.5
70°	927.3	757.4	1097.1	1322.1	1418.5
72.5°	667.9	642.7	941.1	1202.7	1303.7
75°	472.8	534.8	805.6	1067.3	1138.4
77.5°	325.9	436.1	690.9	918.1	975.5
80°	213.5	348.9	587.6	789.6	828.6
82.5°	128.5	280.0	509.5	690.9	711.5
85°	66.6	227.2	456.8	622.0	631.2
87.5°	20.7	190.5	426.9	589.9	601.4
90°	2.3	169.8	408.6	484.3	447.6
92.5°	0.0	160.7	353.5	330.5	296.1
95°	0.0	158.4	282.3	250.2	236.4
97.5°	0.0	153.8	231.8	208.9	202.0
100°	0.0	149.2	199.7	183.6	181.3
102.5°	0.0	146.9	181.3	167.6	165.3
105°	0.0	142.3	174.4	158.4	156.1
107.5°	0.0	135.4	169.8	153.8	149.2
110°	0.0	128.5	169.8	151.5	144.6



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	121.6	169.8	149.2	142.3
115°	0.0	117.1	167.6	149.2	142.3
117.5°	2.3	112.5	165.3	149.2	142.3
120°	0.0	107.9	160.7	149.2	140.0
122.5°	2.3	101.0	156.1	146.9	140.0
125°	2.3	94.1	149.2	144.6	137.7
127.5°	2.3	87.2	142.3	140.0	133.1
130°	2.3	80.3	135.4	137.7	130.8
132.5°	2.3	73.4	126.2	133.1	128.5
135°	2.3	66.6	119.4	130.8	126.2
137.5°	2.3	59.7	110.2	123.9	123.9
140°	2.3	52.8	101.0	119.4	121.6
142.5°	2.3	48.2	91.8	114.8	117.1
145°	2.3	41.3	82.6	105.6	112.5
147.5°	2.3	36.7	73.4	96.4	105.6
150°	2.3	32.1	64.3	87.2	96.4
152.5°	2.3	27.5	57.4	75.7	89.5
155°	4.6	25.2	50.5	66.6	80.3
157.5°	4.6	20.7	41.3	57.4	68.9
160°	4.6	18.4	36.7	48.2	62.0
162.5°	4.6	16.1	29.8	41.3	52.8
165°	4.6	13.8	25.2	32.1	43.6
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)