

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-L830-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-L830-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

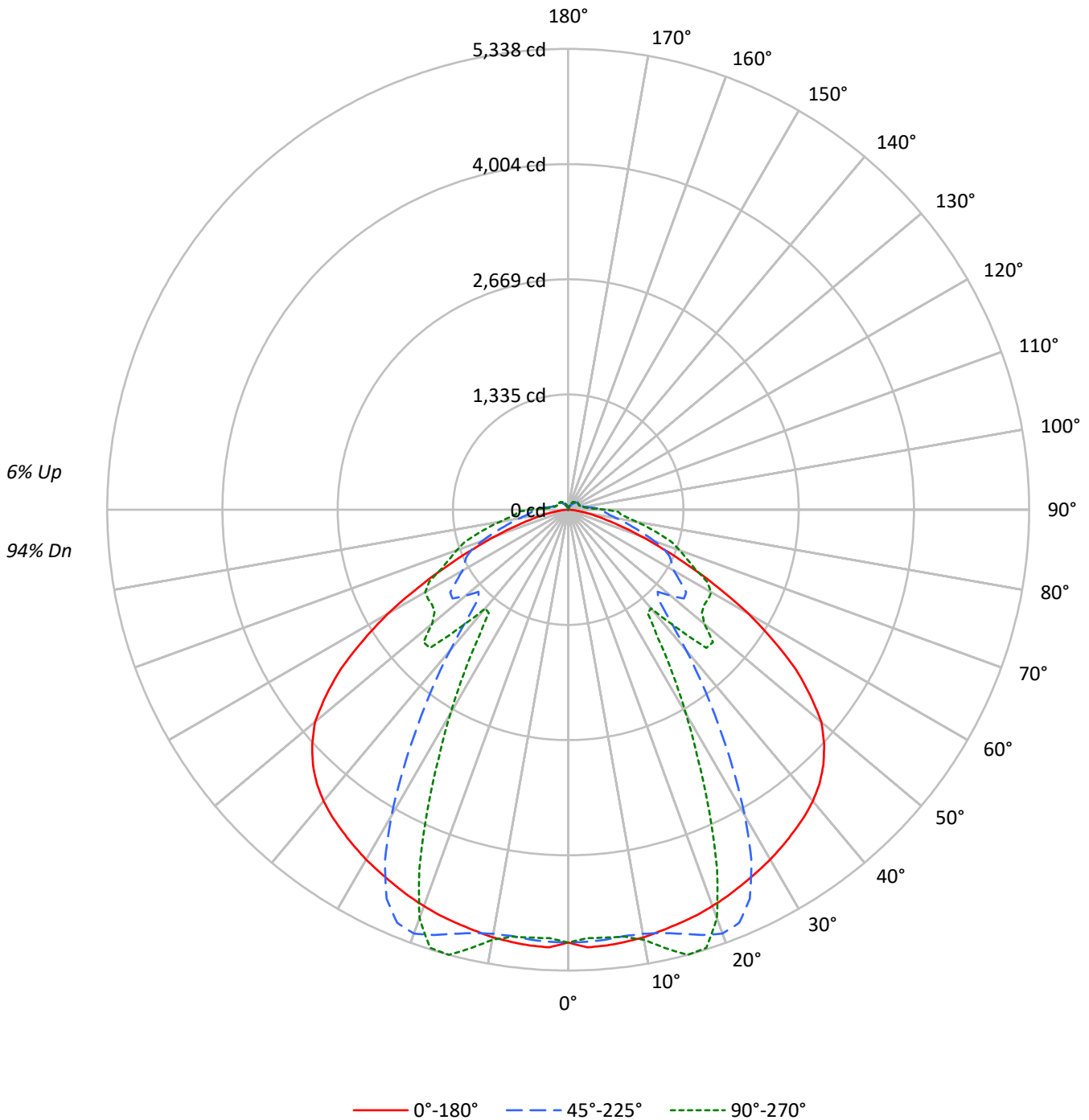
Lumens per Lamp: N/A
Luminaire Lumens: 12875.0 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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	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°	20251	20251	20251
5°	20526	19796	19534
10°	20580	19512	19467
15°	20666	19805	20290
20°	20888	20413	19045
25°	21182	19636	14664
30°	21636	16461	10431
35°	22214	12479	7063
40°	22941	9081	5981
45°	23518	6595	9402
50°	23618	7312	8923
55°	22153	8426	8811
60°	18958	7723	9366
65°	14347	7804	8568
70°	10154	7121	7975
75°	6743	5984	7156
80°	4410	5147	5957
85°	2529	4920	5347



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.8	3.7
10°-20°	1440.0	11.2
20°-30°	2091.9	16.2
30°-40°	1998.7	15.5
40°-50°	1828.2	14.2
50°-60°	1688.1	13.1
60°-70°	1340.9	10.4
70°-80°	827.6	6.4
80°-90°	450.7	3.5
90°-100°	227.8	1.8
100°-110°	143.1	1.1
110°-120°	121.2	0.9
120°-130°	99.0	0.8
130°-140°	71.0	0.6
140°-150°	43.8	0.3
150°-160°	20.8	0.2
160°-170°	5.4	0.0
170°-180°	0.0	0.0
0°-30°	4008.7	31.1
0°-40°	6007.4	46.7
0°-60°	9523.7	74.0
0°-90°	12142.8	94.3
90°-120°	492.2	3.8
90°-150°	706.0	5.5
90°-180°	732.0	5.7
0°-180°	12875.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5012	5012	5012	5012	5012	
5°	5068	4990	4999	4972	4974	482
15°	4961	4894	5085	5274	5338	1404
25°	4786	4879	4972	4209	3865	2212
35°	4553	4480	3020	2079	1808	2855
45°	4180	2915	1473	1879	2263	3212
55°	3215	1495	1668	1795	1921	2832
65°	1551	970	1300	1580	1618	1568
75°	457	517	779	1032	1100	518
85°	64	220	442	601	610	82
90°	2	164	395	468	433	3
95°	0	153	273	242	228	0
105°	0	138	169	153	151	0
115°	0	113	162	144	138	1
125°	2	91	144	140	133	2
135°	2	64	115	126	122	2
145°	2	40	80	102	109	1
155°	4	24	49	64	78	2
165°	4	13	24	31	42	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-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5012.1	5012.1	5012.1	5012.1	5012.1
2.5°	5074.2	5001.0	5009.9	4994.4	4967.7
5°	5067.6	4989.9	4998.8	4972.2	4974.4
7.5°	5049.8	4970.0	4981.1	4976.6	4987.7
10°	5029.9	4945.6	4987.7	5025.4	5058.7
12.5°	4994.4	4918.9	5021.0	5131.9	5200.7
15°	4961.1	4894.5	5085.3	5273.9	5338.3
17.5°	4927.8	4885.6	5165.2	5329.4	5320.5
20°	4885.6	4881.2	5225.1	5169.6	5034.3
22.5°	4839.1	4883.4	5178.5	4772.5	4506.2
25°	4785.8	4879.0	4972.2	4208.9	3865.0
27.5°	4732.6	4859.0	4597.2	3592.1	3252.7
30°	4679.3	4805.8	4091.3	3028.6	2720.2
32.5°	4617.2	4690.4	3541.1	2529.4	2245.4
35°	4552.8	4479.6	3019.7	2079.0	1808.3
37.5°	4486.3	4175.7	2551.5	1684.0	1511.0
40°	4406.4	3794.0	2121.1	1444.4	1491.0
42.5°	4306.6	3363.6	1741.7	1515.4	1839.3
45°	4180.1	2915.4	1473.2	1879.3	2263.1
47.5°	4020.3	2485.0	1406.7	2152.2	2272.0
50°	3827.3	2090.0	1546.5	2063.4	2054.5
52.5°	3534.4	1761.7	1688.5	1881.5	1952.5
55°	3214.9	1495.4	1668.5	1795.0	1921.4
57.5°	2811.1	1315.7	1530.9	1777.2	1923.6
60°	2409.5	1195.9	1413.3	1775.0	1912.5
62.5°	1965.8	1087.2	1353.4	1732.8	1814.9
65°	1550.9	969.6	1300.2	1579.7	1617.5
67.5°	1189.2	849.8	1207.0	1408.9	1484.3
70°	896.4	732.2	1060.6	1278.0	1371.2
72.5°	645.7	621.2	909.7	1162.6	1260.2
75°	457.1	517.0	778.8	1031.7	1100.5
77.5°	315.1	421.6	667.8	887.5	943.0
80°	206.3	337.2	568.0	763.2	801.0
82.5°	124.2	270.7	492.6	667.8	687.8
85°	64.3	219.7	441.5	601.3	610.2
87.5°	20.0	184.2	412.7	570.2	581.3
90°	2.2	164.2	394.9	468.2	432.7
92.5°	0.0	155.3	341.7	319.5	286.2
95°	0.0	153.1	272.9	241.8	228.5
97.5°	0.0	148.7	224.1	201.9	195.2
100°	0.0	144.2	193.0	177.5	175.3
102.5°	0.0	142.0	175.3	162.0	159.7
105°	0.0	137.6	168.6	153.1	150.9
107.5°	0.0	130.9	164.2	148.7	144.2
110°	0.0	124.2	164.2	146.4	139.8



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	117.6	164.2	144.2	137.6
115°	0.0	113.2	162.0	144.2	137.6
117.5°	2.2	108.7	159.7	144.2	137.6
120°	0.0	104.3	155.3	144.2	135.3
122.5°	2.2	97.6	150.9	142.0	135.3
125°	2.2	91.0	144.2	139.8	133.1
127.5°	2.2	84.3	137.6	135.3	128.7
130°	2.2	77.7	130.9	133.1	126.5
132.5°	2.2	71.0	122.0	128.7	124.2
135°	2.2	64.3	115.4	126.5	122.0
137.5°	2.2	57.7	106.5	119.8	119.8
140°	2.2	51.0	97.6	115.4	117.6
142.5°	2.2	46.6	88.7	110.9	113.2
145°	2.2	39.9	79.9	102.1	108.7
147.5°	2.2	35.5	71.0	93.2	102.1
150°	2.2	31.1	62.1	84.3	93.2
152.5°	2.2	26.6	55.5	73.2	86.5
155°	4.4	24.4	48.8	64.3	77.7
157.5°	4.4	20.0	39.9	55.5	66.6
160°	4.4	17.7	35.5	46.6	59.9
162.5°	4.4	15.5	28.8	39.9	51.0
165°	4.4	13.3	24.4	31.1	42.2
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)