

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-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-LD5-134SL-SLC-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

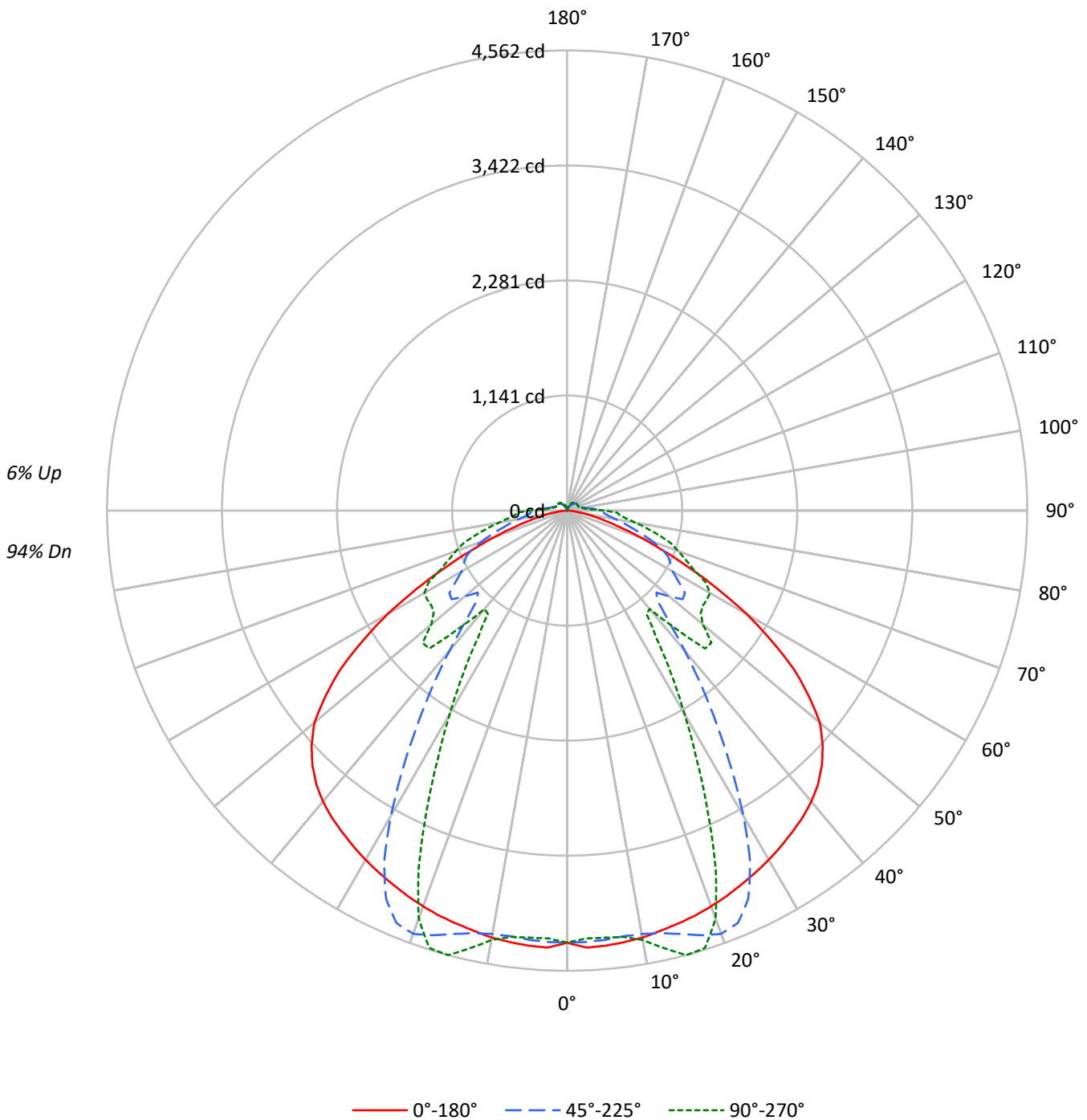
Lumens per Lamp: N/A
Luminaire Lumens: 11002.0 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17305	17305	17305
5°	17540	16916	16692
10°	17586	16674	16635
15°	17660	16924	17338
20°	17850	17443	16274
25°	18100	16779	12531
30°	18489	14066	8913
35°	18982	10664	6035
40°	19604	7760	5111
45°	20097	5635	8035
50°	20182	6248	7625
55°	18930	7201	7530
60°	16200	6599	8003
65°	12260	6668	7321
70°	8677	6085	6814
75°	5762	5113	6115
80°	3768	4398	5090
85°	2163	4205	4569



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.5	3.7
10°-20°	1230.5	11.2
20°-30°	1787.5	16.2
30°-40°	1707.9	15.5
40°-50°	1562.3	14.2
50°-60°	1442.5	13.1
60°-70°	1145.8	10.4
70°-80°	707.2	6.4
80°-90°	385.1	3.5
90°-100°	194.6	1.8
100°-110°	122.3	1.1
110°-120°	103.6	0.9
120°-130°	84.6	0.8
130°-140°	60.7	0.6
140°-150°	37.4	0.3
150°-160°	17.8	0.2
160°-170°	4.6	0.0
170°-180°	0.0	0.0
0°-30°	3425.5	31.1
0°-40°	5133.4	46.7
0°-60°	8138.2	74.0
0°-90°	10376.3	94.3
90°-120°	420.5	3.8
90°-150°	603.3	5.5
90°-180°	626.0	5.7
0°-180°	11002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4283	4283	4283	4283	4283	
5°	4330	4264	4272	4249	4251	412
15°	4239	4182	4346	4507	4562	1200
25°	4090	4169	4249	3597	3303	1890
35°	3890	3828	2580	1776	1545	2440
45°	3572	2491	1259	1606	1934	2745
55°	2747	1278	1426	1534	1642	2420
65°	1325	828	1111	1350	1382	1340
75°	391	442	666	882	940	443
85°	55	188	377	514	521	70
90°	2	140	338	400	370	3
95°	0	131	233	207	195	0
105°	0	118	144	131	129	0
115°	0	97	138	123	118	1
125°	2	78	123	119	114	1
135°	2	55	99	108	104	1
145°	2	34	68	87	93	1
155°	4	21	42	55	66	1
165°	4	11	21	26	36	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-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4283.0	4283.0	4283.0	4283.0	4283.0
2.5°	4336.1	4273.5	4281.1	4267.8	4245.1
5°	4330.4	4264.0	4271.6	4248.8	4250.7
7.5°	4315.2	4247.0	4256.4	4252.6	4262.1
10°	4298.1	4226.1	4262.1	4294.3	4322.8
12.5°	4267.8	4203.3	4290.6	4385.4	4444.1
15°	4239.4	4182.5	4345.5	4506.7	4561.7
17.5°	4210.9	4174.9	4413.8	4554.1	4546.5
20°	4174.9	4171.1	4465.0	4417.6	4301.9
22.5°	4135.1	4173.0	4425.2	4078.2	3850.7
25°	4089.6	4169.2	4248.8	3596.6	3302.8
27.5°	4044.1	4152.2	3928.4	3069.6	2779.5
30°	3998.6	4106.6	3496.2	2588.0	2324.4
32.5°	3945.5	4008.1	3026.0	2161.4	1918.7
35°	3890.5	3827.9	2580.4	1776.5	1545.2
37.5°	3833.6	3568.2	2180.4	1439.0	1291.1
40°	3765.4	3242.1	1812.5	1234.3	1274.1
42.5°	3680.1	2874.3	1488.3	1294.9	1571.8
45°	3572.0	2491.3	1258.9	1605.9	1933.9
47.5°	3435.5	2123.5	1202.0	1839.1	1941.5
50°	3270.5	1786.0	1321.5	1763.2	1755.7
52.5°	3020.3	1505.4	1442.8	1607.8	1668.4
55°	2747.2	1277.9	1425.8	1533.8	1641.9
57.5°	2402.2	1124.3	1308.2	1518.7	1643.8
60°	2059.0	1021.9	1207.7	1516.8	1634.3
62.5°	1679.8	929.0	1156.5	1480.7	1550.9
65°	1325.3	828.5	1111.0	1349.9	1382.2
67.5°	1016.2	726.2	1031.4	1203.9	1268.4
70°	766.0	625.7	906.3	1092.1	1171.7
72.5°	551.7	530.9	777.3	993.5	1076.9
75°	390.6	441.8	665.5	881.6	940.4
77.5°	269.2	360.2	570.7	758.4	805.8
80°	176.3	288.2	485.4	652.2	684.4
82.5°	106.2	231.3	420.9	570.7	587.7
85°	55.0	187.7	377.3	513.8	521.4
87.5°	17.1	157.4	352.6	487.3	496.7
90°	1.9	140.3	337.5	400.0	369.7
92.5°	0.0	132.7	292.0	273.0	244.6
95°	0.0	130.8	233.2	206.7	195.3
97.5°	0.0	127.0	191.5	172.5	166.8
100°	0.0	123.2	164.9	151.7	149.8
102.5°	0.0	121.3	149.8	138.4	136.5
105°	0.0	117.5	144.1	130.8	128.9
107.5°	0.0	111.9	140.3	127.0	123.2
110°	0.0	106.2	140.3	125.1	119.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	100.5	140.3	123.2	117.5
115°	0.0	96.7	138.4	123.2	117.5
117.5°	1.9	92.9	136.5	123.2	117.5
120°	0.0	89.1	132.7	123.2	115.7
122.5°	1.9	83.4	128.9	121.3	115.7
125°	1.9	77.7	123.2	119.4	113.8
127.5°	1.9	72.0	117.5	115.7	110.0
130°	1.9	66.4	111.9	113.8	108.1
132.5°	1.9	60.7	104.3	110.0	106.2
135°	1.9	55.0	98.6	108.1	104.3
137.5°	1.9	49.3	91.0	102.4	102.4
140°	1.9	43.6	83.4	98.6	100.5
142.5°	1.9	39.8	75.8	94.8	96.7
145°	1.9	34.1	68.3	87.2	92.9
147.5°	1.9	30.3	60.7	79.6	87.2
150°	1.9	26.5	53.1	72.0	79.6
152.5°	1.9	22.8	47.4	62.6	73.9
155°	3.8	20.9	41.7	55.0	66.4
157.5°	3.8	17.1	34.1	47.4	56.9
160°	3.8	15.2	30.3	39.8	51.2
162.5°	3.8	13.3	24.6	34.1	43.6
165°	3.8	11.4	20.9	26.5	36.0
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)