

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-L950-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-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

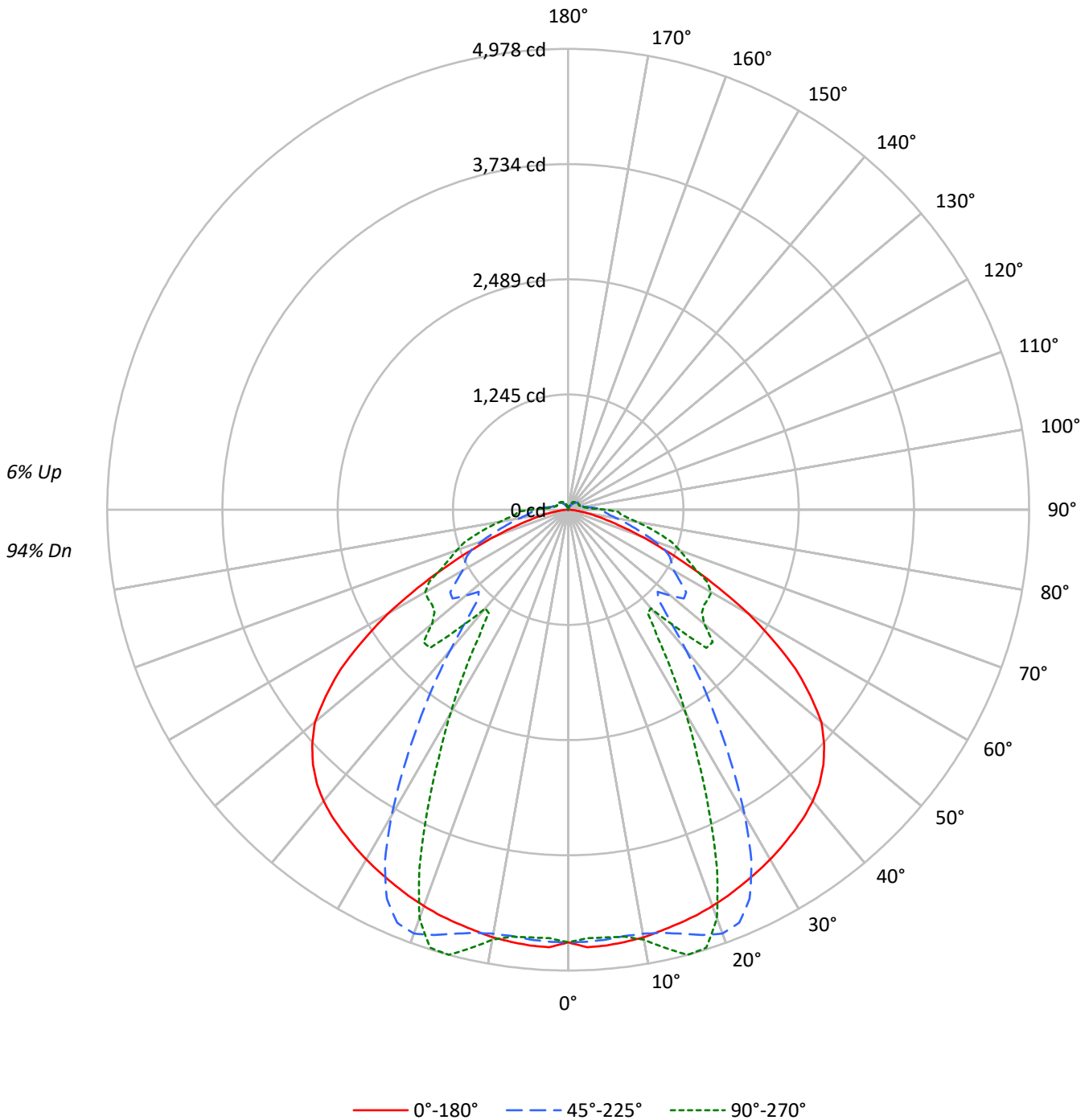
Lumens per Lamp: N/A  
Luminaire Lumens: 12005.0 lumens  
Efficiency: N/A  
Efficacy: 109.1 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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°	18883	18883	18883
5°	19139	18458	18214
10°	19189	18194	18151
15°	19269	18467	18918
20°	19477	19033	17758
25°	19750	18309	13674
30°	20174	15349	9726
35°	20713	11636	6586
40°	21390	8468	5576
45°	21929	6149	8767
50°	22022	6818	8320
55°	20656	7857	8216
60°	17677	7201	8733
65°	13377	7276	7989
70°	9467	6639	7435
75°	6287	5580	6672
80°	4112	4799	5554
85°	2360	4588	4985



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	444.6	3.7
10°-20°	1342.7	11.2
20°-30°	1950.5	16.2
30°-40°	1863.6	15.5
40°-50°	1704.7	14.2
50°-60°	1574.0	13.1
60°-70°	1250.3	10.4
70°-80°	771.7	6.4
80°-90°	420.2	3.5
90°-100°	212.4	1.8
100°-110°	133.5	1.1
110°-120°	113.1	0.9
120°-130°	92.3	0.8
130°-140°	66.2	0.6
140°-150°	40.8	0.3
150°-160°	19.4	0.2
160°-170°	5.0	0.0
170°-180°	0.0	0.0
0°-30°	3737.8	31.1
0°-40°	5601.4	46.7
0°-60°	8880.1	74.0
0°-90°	11322.3	94.3
90°-120°	458.9	3.8
90°-150°	658.3	5.5
90°-180°	683.0	5.7
0°-180°	12005.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4673	4673	4673	4673	4673	
5°	4725	4653	4661	4636	4638	450
15°	4626	4564	4742	4918	4978	1309
25°	4462	4549	4636	3924	3604	2063
35°	4245	4177	2816	1938	1686	2662
45°	3898	2718	1374	1752	2110	2995
55°	2998	1394	1556	1674	1792	2640
65°	1446	904	1212	1473	1508	1462
75°	426	482	726	962	1026	483
85°	60	205	412	561	569	76
90°	2	153	368	436	403	3
95°	0	143	254	226	213	0
105°	0	128	157	143	141	0
115°	0	106	151	134	128	1
125°	2	85	134	130	124	2
135°	2	60	108	118	114	2
145°	2	37	74	95	101	1
155°	4	23	46	60	72	2
165°	4	12	23	29	39	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-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4673.4	4673.4	4673.4	4673.4	4673.4
2.5°	4731.4	4663.1	4671.4	4656.9	4632.1
5°	4725.2	4652.7	4661.0	4636.2	4638.3
7.5°	4708.6	4634.1	4644.5	4640.3	4650.7
10°	4690.0	4611.4	4650.7	4685.8	4716.9
12.5°	4656.9	4586.5	4681.7	4785.1	4849.3
15°	4625.8	4563.8	4741.7	4917.6	4977.5
17.5°	4594.8	4555.5	4816.2	4969.3	4961.0
20°	4555.5	4551.4	4872.0	4820.3	4694.1
22.5°	4512.1	4553.4	4828.6	4450.0	4201.7
25°	4462.4	4549.3	4636.2	3924.5	3603.9
27.5°	4412.8	4530.7	4286.6	3349.4	3032.9
30°	4363.1	4481.0	3814.9	2823.9	2536.4
32.5°	4305.2	4373.5	3301.8	2358.4	2093.6
35°	4245.2	4176.9	2815.6	1938.5	1686.1
37.5°	4183.1	3893.5	2379.1	1570.2	1408.9
40°	4108.6	3537.7	1977.8	1346.8	1390.2
42.5°	4015.6	3136.3	1624.0	1413.0	1715.0
45°	3897.6	2718.4	1373.7	1752.3	2110.2
47.5°	3748.7	2317.1	1311.6	2006.7	2118.5
50°	3568.7	1948.8	1442.0	1924.0	1915.7
52.5°	3295.6	1642.6	1574.4	1754.3	1820.5
55°	2997.7	1394.4	1555.7	1673.7	1791.6
57.5°	2621.2	1226.8	1427.5	1657.1	1793.7
60°	2246.7	1115.1	1317.8	1655.0	1783.3
62.5°	1833.0	1013.7	1262.0	1615.7	1692.3
65°	1446.1	904.1	1212.3	1473.0	1508.2
67.5°	1108.9	792.4	1125.4	1313.7	1384.0
70°	835.8	682.7	988.9	1191.6	1278.5
72.5°	602.0	579.3	848.2	1084.1	1175.1
75°	426.2	482.0	726.2	962.0	1026.1
77.5°	293.8	393.1	622.7	827.5	879.2
80°	192.4	314.5	529.6	711.7	746.8
82.5°	115.9	252.4	459.3	622.7	641.3
85°	60.0	204.8	411.7	560.6	568.9
87.5°	18.6	171.7	384.8	531.7	542.0
90°	2.1	153.1	368.2	436.5	403.4
92.5°	0.0	144.8	318.6	297.9	266.9
95°	0.0	142.7	254.5	225.5	213.1
97.5°	0.0	138.6	208.9	188.3	182.1
100°	0.0	134.5	180.0	165.5	163.4
102.5°	0.0	132.4	163.4	151.0	149.0
105°	0.0	128.3	157.2	142.7	140.7
107.5°	0.0	122.1	153.1	138.6	134.5
110°	0.0	115.9	153.1	136.5	130.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	109.6	153.1	134.5	128.3
115°	0.0	105.5	151.0	134.5	128.3
117.5°	2.1	101.4	149.0	134.5	128.3
120°	0.0	97.2	144.8	134.5	126.2
122.5°	2.1	91.0	140.7	132.4	126.2
125°	2.1	84.8	134.5	130.3	124.1
127.5°	2.1	78.6	128.3	126.2	120.0
130°	2.1	72.4	122.1	124.1	117.9
132.5°	2.1	66.2	113.8	120.0	115.9
135°	2.1	60.0	107.6	117.9	113.8
137.5°	2.1	53.8	99.3	111.7	111.7
140°	2.1	47.6	91.0	107.6	109.6
142.5°	2.1	43.4	82.8	103.4	105.5
145°	2.1	37.2	74.5	95.2	101.4
147.5°	2.1	33.1	66.2	86.9	95.2
150°	2.1	29.0	57.9	78.6	86.9
152.5°	2.1	24.8	51.7	68.3	80.7
155°	4.1	22.8	45.5	60.0	72.4
157.5°	4.1	18.6	37.2	51.7	62.1
160°	4.1	16.6	33.1	43.4	55.9
162.5°	4.1	14.5	26.9	37.2	47.6
165°	4.1	12.4	22.8	29.0	39.3
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)