

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

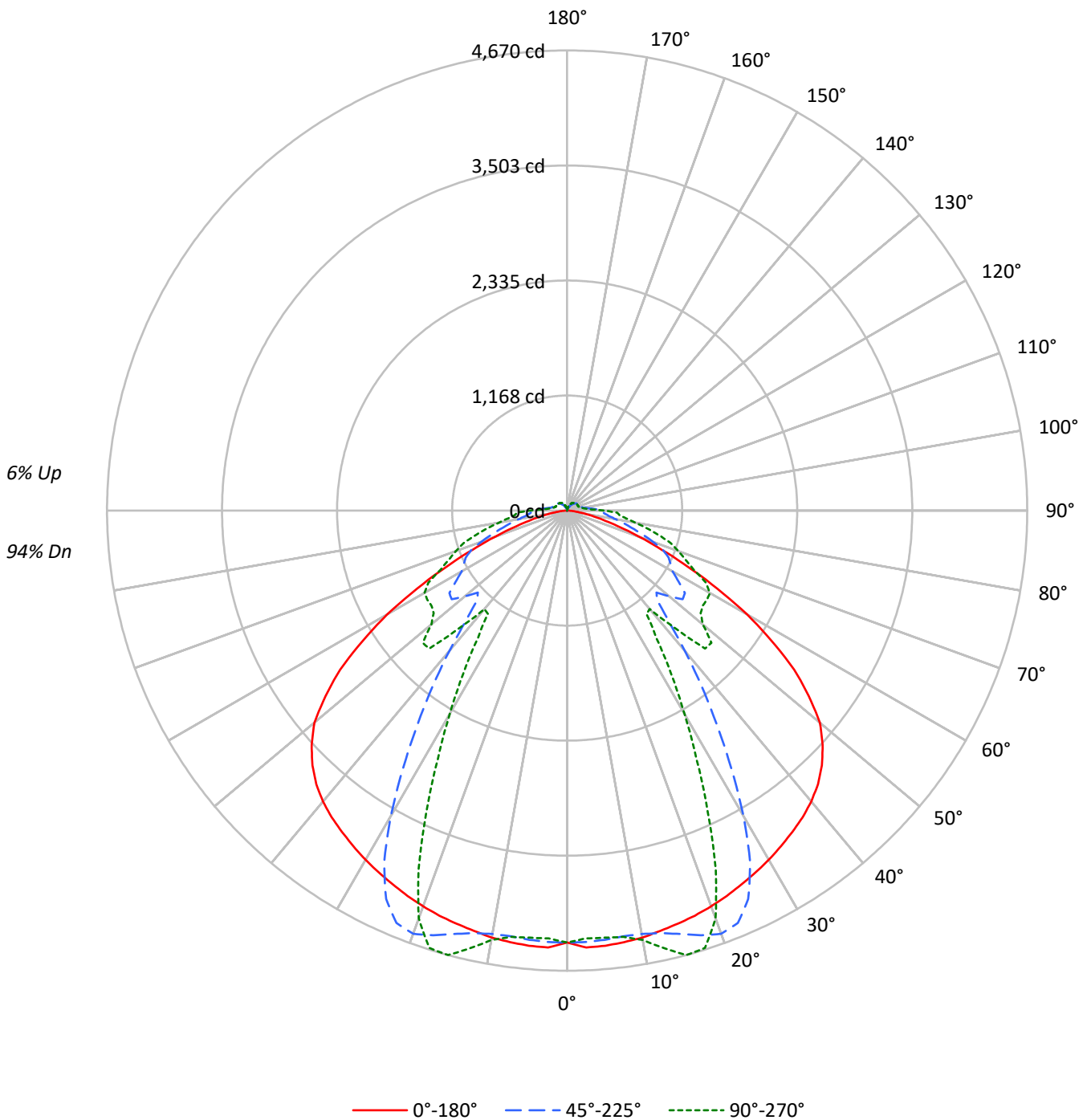
Lumens per Lamp: N/A
Luminaire Lumens: 11262.0 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 110
Input Voltage (V): NR
Input Current (A_{in}): 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°	17714	17714	17714
5°	17954	17316	17087
10°	18002	17068	17028
15°	18077	17324	17748
20°	18272	17856	16659
25°	18528	17176	12827
30°	18926	14399	9124
35°	19431	10916	6178
40°	20067	7943	5231
45°	20572	5769	8224
50°	20659	6396	7805
55°	19378	7371	7708
60°	16584	6756	8192
65°	12549	6826	7494
70°	8882	6228	6975
75°	5898	5234	6259
80°	3858	4501	5210
85°	2215	4304	4677



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.1	3.7
10°-20°	1259.6	11.2
20°-30°	1829.8	16.2
30°-40°	1748.3	15.5
40°-50°	1599.2	14.2
50°-60°	1476.6	13.1
60°-70°	1172.9	10.4
70°-80°	723.9	6.4
80°-90°	394.2	3.5
90°-100°	199.2	1.8
100°-110°	125.2	1.1
110°-120°	106.0	0.9
120°-130°	86.6	0.8
130°-140°	62.1	0.6
140°-150°	38.3	0.3
150°-160°	18.2	0.2
160°-170°	4.7	0.0
170°-180°	0.0	0.0
0°-30°	3506.5	31.1
0°-40°	5254.8	46.7
0°-60°	8330.5	74.0
0°-90°	10621.5	94.3
90°-120°	430.5	3.8
90°-150°	617.5	5.5
90°-180°	640.0	5.7
0°-180°	11262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4384	4384	4384	4384	4384	
5°	4433	4365	4372	4349	4351	422
15°	4340	4281	4448	4613	4670	1228
25°	4186	4268	4349	3682	3381	1935
35°	3982	3918	2641	1818	1582	2497
45°	3656	2550	1289	1644	1980	2810
55°	2812	1308	1460	1570	1681	2477
65°	1357	848	1137	1382	1415	1372
75°	400	452	681	902	963	453
85°	56	192	386	526	534	72
90°	2	144	346	410	378	3
95°	0	134	239	212	200	0
105°	0	120	148	134	132	0
115°	0	99	142	126	120	1
125°	2	80	126	122	116	1
135°	2	56	101	111	107	1
145°	2	35	70	89	95	1
155°	4	21	43	56	68	1
165°	4	12	21	27	37	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-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4384.2	4384.2	4384.2	4384.2	4384.2
2.5°	4438.5	4374.5	4382.2	4368.7	4345.4
5°	4432.7	4364.8	4372.5	4349.3	4351.2
7.5°	4417.2	4347.3	4357.0	4353.1	4362.8
10°	4399.7	4326.0	4362.8	4395.8	4424.9
12.5°	4368.7	4302.7	4392.0	4489.0	4549.2
15°	4339.6	4281.3	4448.2	4613.2	4669.5
17.5°	4310.4	4273.6	4518.1	4661.7	4654.0
20°	4273.6	4269.7	4570.5	4522.0	4403.6
22.5°	4232.8	4271.6	4529.7	4174.6	3941.7
25°	4186.2	4267.7	4349.3	3681.6	3380.8
27.5°	4139.7	4250.3	4021.3	3142.1	2845.2
30°	4093.1	4203.7	3578.8	2649.1	2379.4
32.5°	4038.7	4102.8	3097.5	2212.5	1964.1
35°	3982.5	3918.4	2641.4	1818.5	1581.7
37.5°	3924.2	3652.5	2231.9	1473.0	1321.7
40°	3854.4	3318.7	1855.4	1263.4	1304.2
42.5°	3767.0	2942.2	1523.5	1325.5	1608.9
45°	3656.4	2550.2	1288.7	1643.8	1979.6
47.5°	3516.7	2173.7	1230.4	1882.5	1987.3
50°	3347.8	1828.2	1352.7	1804.9	1797.1
52.5°	3091.6	1541.0	1476.9	1645.8	1707.9
55°	2812.2	1308.1	1459.5	1570.1	1680.7
57.5°	2458.9	1150.9	1339.1	1554.6	1682.6
60°	2107.7	1046.1	1236.3	1552.6	1672.9
62.5°	1719.5	951.0	1183.9	1515.7	1587.5
65°	1356.6	848.1	1137.3	1381.8	1414.8
67.5°	1040.3	743.3	1055.8	1232.4	1298.4
70°	784.1	640.5	927.7	1117.9	1199.4
72.5°	564.8	543.4	795.7	1017.0	1102.4
75°	399.8	452.2	681.2	902.5	962.6
77.5°	275.6	368.7	584.2	776.3	824.8
80°	180.5	295.0	496.8	667.6	700.6
82.5°	108.7	236.8	430.8	584.2	601.6
85°	56.3	192.1	386.2	525.9	533.7
87.5°	17.5	161.1	361.0	498.8	508.5
90°	1.9	143.6	345.5	409.5	378.4
92.5°	0.0	135.9	298.9	279.5	250.4
95°	0.0	133.9	238.7	211.5	199.9
97.5°	0.0	130.0	196.0	176.6	170.8
100°	0.0	126.1	168.8	155.3	153.3
102.5°	0.0	124.2	153.3	141.7	139.7
105°	0.0	120.3	147.5	133.9	132.0
107.5°	0.0	114.5	143.6	130.0	126.1
110°	0.0	108.7	143.6	128.1	122.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	102.9	143.6	126.1	120.3
115°	0.0	99.0	141.7	126.1	120.3
117.5°	1.9	95.1	139.7	126.1	120.3
120°	0.0	91.2	135.9	126.1	118.4
122.5°	1.9	85.4	132.0	124.2	118.4
125°	1.9	79.6	126.1	122.3	116.4
127.5°	1.9	73.7	120.3	118.4	112.6
130°	1.9	67.9	114.5	116.4	110.6
132.5°	1.9	62.1	106.7	112.6	108.7
135°	1.9	56.3	100.9	110.6	106.7
137.5°	1.9	50.5	93.2	104.8	104.8
140°	1.9	44.6	85.4	100.9	102.9
142.5°	1.9	40.8	77.6	97.0	99.0
145°	1.9	34.9	69.9	89.3	95.1
147.5°	1.9	31.1	62.1	81.5	89.3
150°	1.9	27.2	54.3	73.7	81.5
152.5°	1.9	23.3	48.5	64.0	75.7
155°	3.9	21.3	42.7	56.3	67.9
157.5°	3.9	17.5	34.9	48.5	58.2
160°	3.9	15.5	31.1	40.8	52.4
162.5°	3.9	13.6	25.2	34.9	44.6
165°	3.9	11.6	21.3	27.2	36.9
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)