

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-L930-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-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

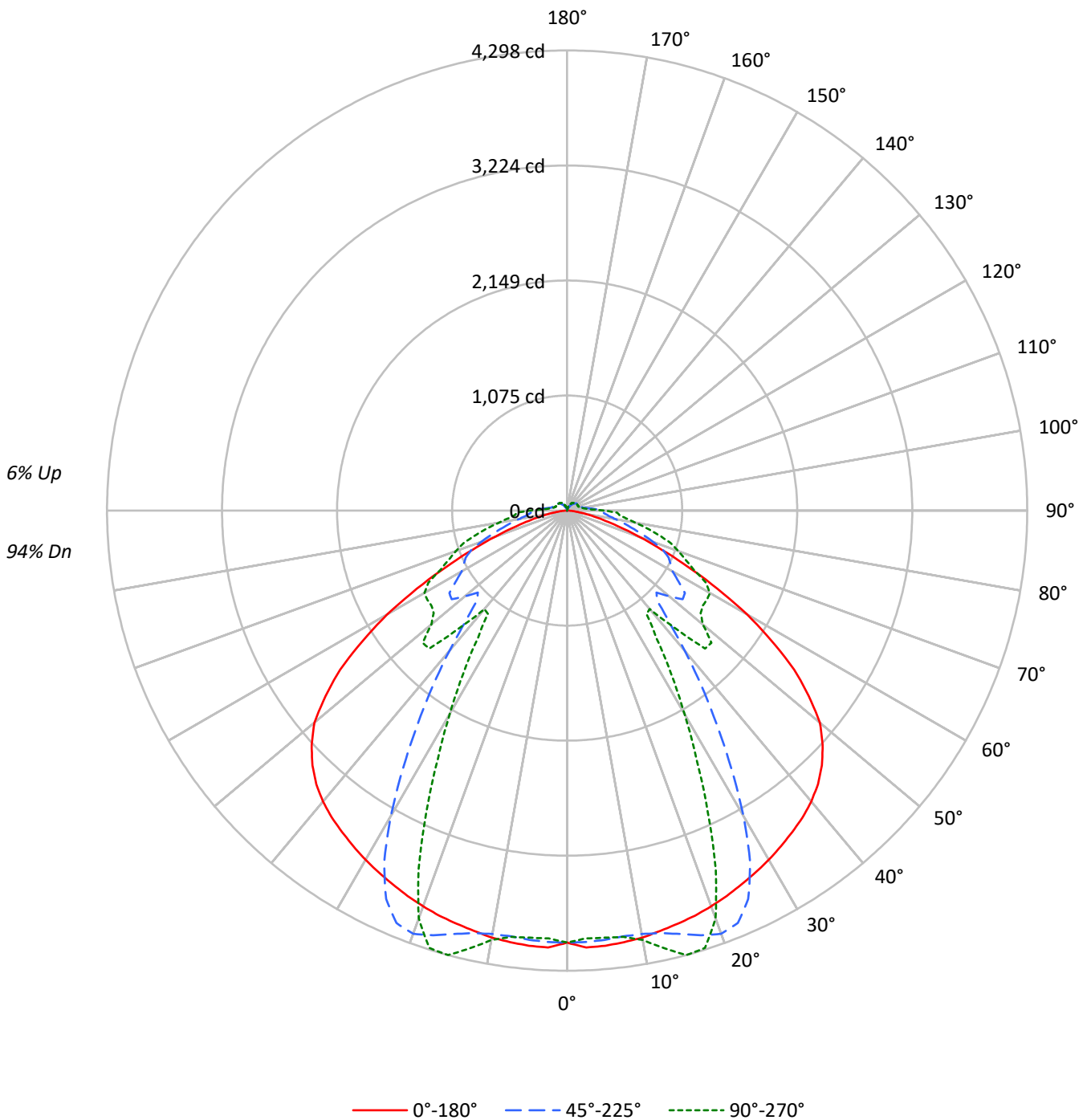
Lumens per Lamp: N/A
Luminaire Lumens: 10365.0 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	16303	16303	16303
5°	16524	15937	15726
10°	16568	15708	15672
15°	16637	15944	16334
20°	16816	16433	15332
25°	17052	15807	11805
30°	17419	13252	8397
35°	17884	10046	5686
40°	18469	7311	4815
45°	18933	5309	7569
50°	19014	5886	7183
55°	17834	6784	7094
60°	15263	6217	7540
65°	11549	6282	6897
70°	8174	5732	6420
75°	5428	4817	5760
80°	3550	4144	4795
85°	2038	3962	4304



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.9	3.7
10°-20°	1159.3	11.2
20°-30°	1684.0	16.2
30°-40°	1609.0	15.5
40°-50°	1471.8	14.2
50°-60°	1359.0	13.1
60°-70°	1079.5	10.4
70°-80°	666.3	6.4
80°-90°	362.8	3.5
90°-100°	183.4	1.8
100°-110°	115.2	1.1
110°-120°	97.6	0.9
120°-130°	79.7	0.8
130°-140°	57.2	0.6
140°-150°	35.3	0.3
150°-160°	16.7	0.2
160°-170°	4.3	0.0
170°-180°	0.0	0.0
0°-30°	3227.2	31.1
0°-40°	4836.2	46.7
0°-60°	7667.0	74.0
0°-90°	9775.5	94.3
90°-120°	396.2	3.8
90°-150°	568.4	5.5
90°-180°	589.0	5.7
0°-180°	10365.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4035	4035	4035	4035	4035	
5°	4080	4017	4024	4003	4005	388
15°	3994	3940	4094	4246	4298	1130
25°	3853	3928	4003	3388	3112	1781
35°	3665	3606	2431	1674	1456	2298
45°	3365	2347	1186	1513	1822	2586
55°	2588	1204	1343	1445	1547	2280
65°	1248	781	1047	1272	1302	1263
75°	368	416	627	831	886	417
85°	52	177	356	484	491	66
90°	2	132	318	377	348	3
95°	0	123	220	195	184	0
105°	0	111	136	123	122	0
115°	0	91	130	116	111	1
125°	2	73	116	112	107	1
135°	2	52	93	102	98	1
145°	2	32	64	82	88	1
155°	4	20	39	52	62	1
165°	4	11	20	25	34	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4035.0	4035.0	4035.0	4035.0	4035.0
2.5°	4085.0	4026.1	4033.2	4020.7	3999.3
5°	4079.7	4017.1	4024.3	4002.8	4004.6
7.5°	4065.4	4001.1	4010.0	4006.4	4015.3
10°	4049.3	3981.4	4015.3	4045.7	4072.5
12.5°	4020.7	3960.0	4042.1	4131.4	4186.8
15°	3993.9	3940.3	4093.9	4245.8	4297.6
17.5°	3967.1	3933.2	4158.2	4290.4	4283.3
20°	3933.2	3929.6	4206.5	4161.8	4052.9
22.5°	3895.7	3931.4	4169.0	3842.1	3627.7
25°	3852.8	3927.8	4002.8	3388.4	3111.5
27.5°	3809.9	3911.7	3701.0	2891.8	2618.5
30°	3767.1	3868.9	3293.7	2438.1	2189.9
32.5°	3717.1	3776.0	2850.8	2036.3	1807.6
35°	3665.3	3606.3	2431.0	1673.7	1455.7
37.5°	3611.7	3361.6	2054.1	1355.7	1216.4
40°	3547.4	3054.4	1707.6	1162.8	1200.3
42.5°	3467.0	2707.9	1402.2	1220.0	1480.7
45°	3365.2	2347.0	1186.0	1512.9	1821.9
47.5°	3236.6	2000.5	1132.4	1732.6	1829.1
50°	3081.2	1682.6	1245.0	1661.2	1654.0
52.5°	2845.4	1418.2	1359.3	1514.7	1571.8
55°	2588.2	1203.9	1343.2	1445.0	1546.8
57.5°	2263.1	1059.2	1232.5	1430.7	1548.6
60°	1939.8	962.8	1137.8	1428.9	1539.7
62.5°	1582.6	875.2	1089.6	1395.0	1461.1
65°	1248.5	780.6	1046.7	1271.8	1302.1
67.5°	957.4	684.1	971.7	1134.2	1195.0
70°	721.6	589.4	853.8	1028.8	1103.9
72.5°	519.8	500.1	732.3	936.0	1014.6
75°	368.0	416.2	627.0	830.6	885.9
77.5°	253.6	339.4	537.6	714.5	759.1
80°	166.1	271.5	457.3	614.4	644.8
82.5°	100.0	217.9	396.5	537.6	553.7
85°	51.8	176.8	355.5	484.1	491.2
87.5°	16.1	148.3	332.2	459.0	468.0
90°	1.8	132.2	317.9	376.9	348.3
92.5°	0.0	125.0	275.1	257.2	230.4
95°	0.0	123.2	219.7	194.7	184.0
97.5°	0.0	119.7	180.4	162.5	157.2
100°	0.0	116.1	155.4	142.9	141.1
102.5°	0.0	114.3	141.1	130.4	128.6
105°	0.0	110.7	135.8	123.2	121.5
107.5°	0.0	105.4	132.2	119.7	116.1
110°	0.0	100.0	132.2	117.9	112.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	94.7	132.2	116.1	110.7
115°	0.0	91.1	130.4	116.1	110.7
117.5°	1.8	87.5	128.6	116.1	110.7
120°	0.0	84.0	125.0	116.1	109.0
122.5°	1.8	78.6	121.5	114.3	109.0
125°	1.8	73.2	116.1	112.5	107.2
127.5°	1.8	67.9	110.7	109.0	103.6
130°	1.8	62.5	105.4	107.2	101.8
132.5°	1.8	57.2	98.2	103.6	100.0
135°	1.8	51.8	92.9	101.8	98.2
137.5°	1.8	46.4	85.7	96.5	96.5
140°	1.8	41.1	78.6	92.9	94.7
142.5°	1.8	37.5	71.4	89.3	91.1
145°	1.8	32.2	64.3	82.2	87.5
147.5°	1.8	28.6	57.2	75.0	82.2
150°	1.8	25.0	50.0	67.9	75.0
152.5°	1.8	21.4	44.7	58.9	69.7
155°	3.6	19.6	39.3	51.8	62.5
157.5°	3.6	16.1	32.2	44.7	53.6
160°	3.6	14.3	28.6	37.5	48.2
162.5°	3.6	12.5	23.2	32.2	41.1
165°	3.6	10.7	19.6	25.0	33.9
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)