

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: **2SNLED-LD5-34HL-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: 2SNLED-LD5-34HL-SLC-UNV-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

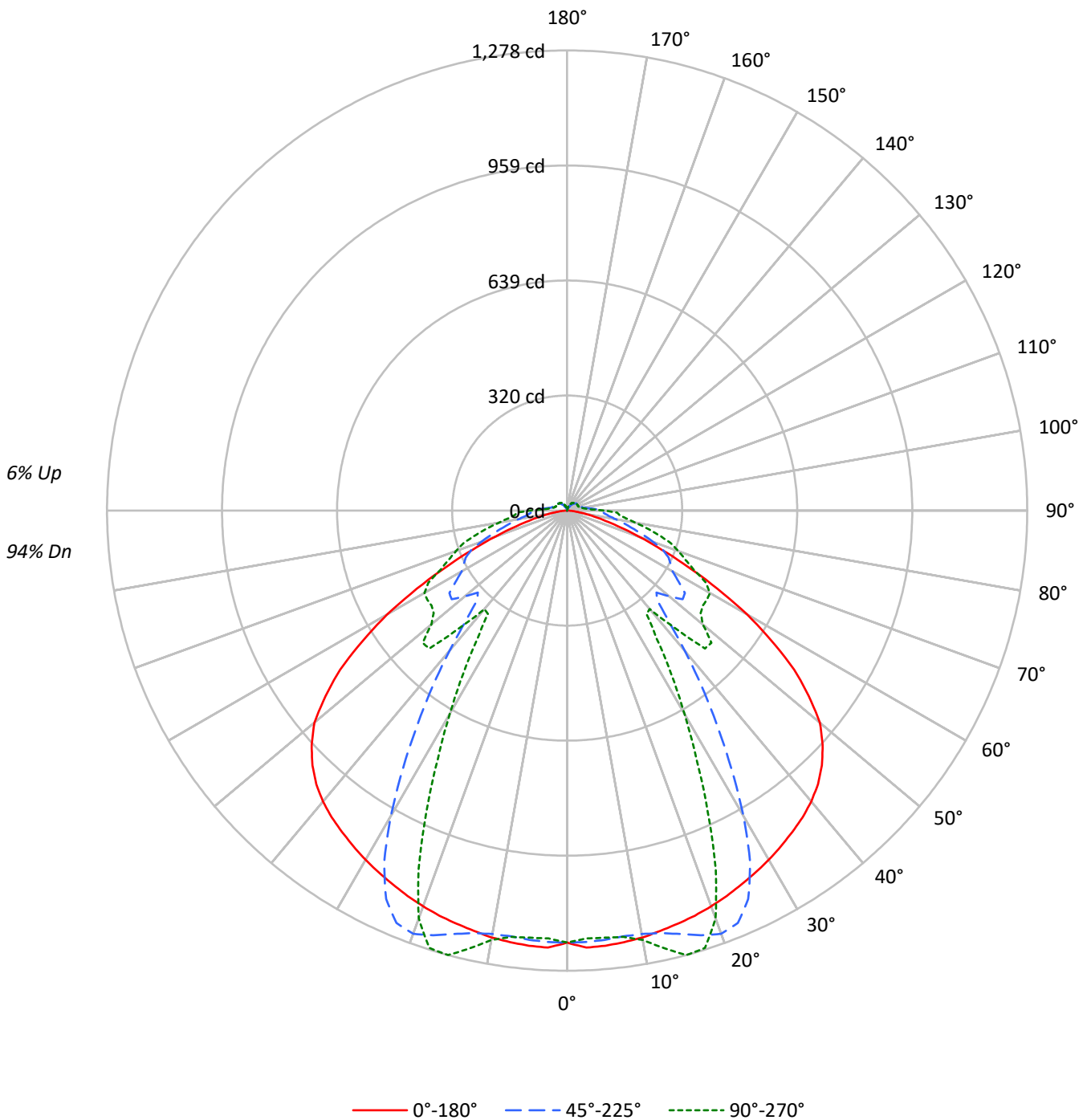
Lumens per Lamp: N/A
Luminaire Lumens: 3082.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 27
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°	19391	19391	19391
5°	19574	18901	18705
10°	19544	18581	18639
15°	19544	18808	19428
20°	19667	19334	18235
25°	19851	18547	14041
30°	20176	15506	9987
35°	20602	11722	6763
40°	21145	8502	5726
45°	21525	6156	9002
50°	21440	6799	8544
55°	19908	7804	8436
60°	16823	7118	8968
65°	12521	7152	8204
70°	8655	6483	7635
75°	5539	5400	6851
80°	3395	4593	5702
85°	1666	4318	5121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	3.7
10°-20°	344.7	11.2
20°-30°	500.7	16.2
30°-40°	478.4	15.5
40°-50°	437.6	14.2
50°-60°	404.1	13.1
60°-70°	321.0	10.4
70°-80°	198.1	6.4
80°-90°	107.9	3.5
90°-100°	54.5	1.8
100°-110°	34.3	1.1
110°-120°	29.0	0.9
120°-130°	23.7	0.8
130°-140°	17.0	0.6
140°-150°	10.5	0.3
150°-160°	5.0	0.2
160°-170°	1.3	0.0
170°-180°	0.0	0.0
0°-30°	959.6	31.1
0°-40°	1438.0	46.7
0°-60°	2279.8	74.0
0°-90°	2906.8	94.3
90°-120°	117.8	3.8
90°-150°	169.0	5.5
90°-180°	175.0	5.7
0°-180°	3082.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1200	1200	1200	1200	1200	
5°	1213	1194	1197	1190	1191	115
15°	1188	1172	1217	1262	1278	336
25°	1146	1168	1190	1008	925	529
35°	1090	1072	723	498	433	683
45°	1001	698	353	450	542	769
55°	770	358	399	430	460	678
65°	371	232	311	378	387	375
75°	109	124	186	247	263	124
85°	15	53	106	144	146	20
90°	0	39	94	112	104	1
95°	0	37	65	58	55	0
105°	0	33	40	37	36	0
115°	0	27	39	34	33	0
125°	0	22	34	34	32	0
135°	0	15	28	30	29	0
145°	0	10	19	24	26	0
155°	1	6	12	15	19	0
165°	1	3	6	7	10	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1199.8	1199.8	1199.8	1199.8	1199.8
2.5°	1214.7	1197.1	1199.3	1195.5	1189.2
5°	1213.1	1194.5	1196.6	1190.2	1190.8
7.5°	1208.8	1189.7	1192.4	1191.3	1194.0
10°	1204.0	1183.9	1194.0	1203.0	1210.9
12.5°	1195.5	1177.5	1201.9	1228.5	1244.9
15°	1187.6	1171.6	1217.3	1262.5	1277.9
17.5°	1179.6	1169.5	1236.4	1275.7	1273.6
20°	1169.5	1168.5	1250.8	1237.5	1205.1
22.5°	1158.4	1169.0	1239.6	1142.4	1078.7
25°	1145.6	1167.9	1190.2	1007.5	925.2
27.5°	1132.9	1163.1	1100.5	859.9	778.6
30°	1120.1	1150.4	979.4	725.0	651.1
32.5°	1105.3	1122.8	847.7	605.5	537.5
35°	1089.9	1072.3	722.9	497.7	432.9
37.5°	1073.9	999.6	610.8	403.1	361.7
40°	1054.8	908.2	507.7	345.8	356.9
42.5°	1030.9	805.2	416.9	362.8	440.3
45°	1000.6	697.9	352.7	449.9	541.7
47.5°	962.4	594.9	336.7	515.2	543.9
50°	916.2	500.3	370.2	493.9	491.8
52.5°	846.1	421.7	404.2	450.4	467.4
55°	769.6	358.0	399.4	429.7	459.9
57.5°	672.9	315.0	366.5	425.4	460.5
60°	576.8	286.3	338.3	424.9	457.8
62.5°	470.6	260.2	324.0	414.8	434.5
65°	371.3	232.1	311.2	378.2	387.2
67.5°	284.7	203.4	288.9	337.3	355.3
70°	214.6	175.3	253.9	305.9	328.2
72.5°	154.6	148.7	217.8	278.3	301.7
75°	109.4	123.8	186.4	247.0	263.4
77.5°	75.4	100.9	159.9	212.4	225.7
80°	49.4	80.7	136.0	182.7	191.7
82.5°	29.7	64.8	117.9	159.9	164.6
85°	15.4	52.6	105.7	143.9	146.1
87.5°	4.8	44.1	98.8	136.5	139.2
90°	0.5	39.3	94.5	112.1	103.6
92.5°	0.0	37.2	81.8	76.5	68.5
95°	0.0	36.6	65.3	57.9	54.7
97.5°	0.0	35.6	53.6	48.3	46.7
100°	0.0	34.5	46.2	42.5	42.0
102.5°	0.0	34.0	42.0	38.8	38.2
105°	0.0	32.9	40.4	36.6	36.1
107.5°	0.0	31.3	39.3	35.6	34.5
110°	0.0	29.7	39.3	35.1	33.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.1	39.3	34.5	32.9
115°	0.0	27.1	38.8	34.5	32.9
117.5°	0.5	26.0	38.2	34.5	32.9
120°	0.0	25.0	37.2	34.5	32.4
122.5°	0.5	23.4	36.1	34.0	32.4
125°	0.5	21.8	34.5	33.5	31.9
127.5°	0.5	20.2	32.9	32.4	30.8
130°	0.5	18.6	31.3	31.9	30.3
132.5°	0.5	17.0	29.2	30.8	29.7
135°	0.5	15.4	27.6	30.3	29.2
137.5°	0.5	13.8	25.5	28.7	28.7
140°	0.5	12.2	23.4	27.6	28.1
142.5°	0.5	11.2	21.2	26.6	27.1
145°	0.5	9.6	19.1	24.4	26.0
147.5°	0.5	8.5	17.0	22.3	24.4
150°	0.5	7.4	14.9	20.2	22.3
152.5°	0.5	6.4	13.3	17.5	20.7
155°	1.1	5.8	11.7	15.4	18.6
157.5°	1.1	4.8	9.6	13.3	15.9
160°	1.1	4.2	8.5	11.2	14.3
162.5°	1.1	3.7	6.9	9.6	12.2
165°	1.1	3.2	5.8	7.4	10.1
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)