

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-L850-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-L850-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

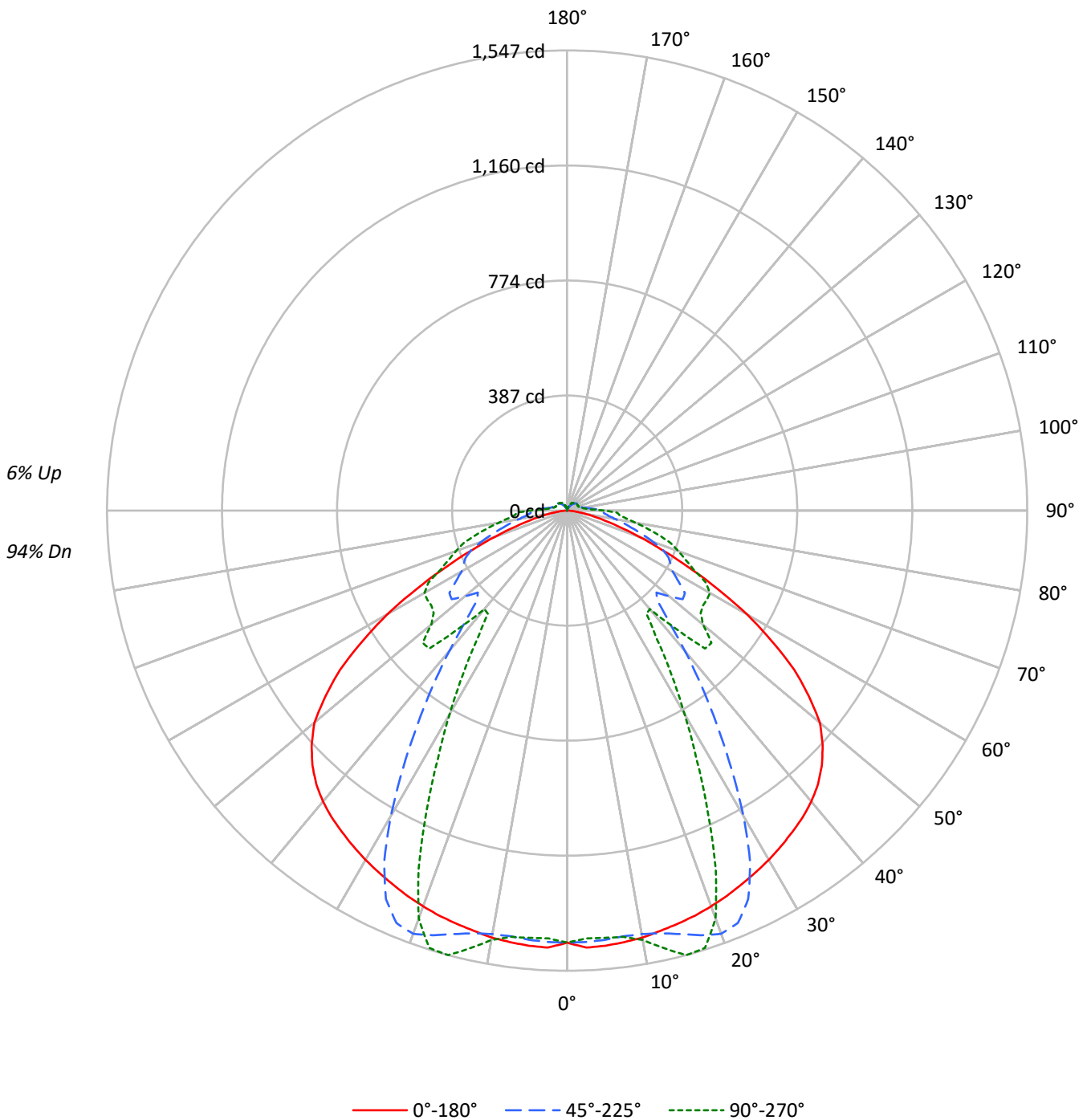
Lumens per Lamp: N/A
Luminaire Lumens: 3731.0 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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	64	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°	23474	23474	23474
5°	23695	22882	22643
10°	23660	22493	22564
15°	23660	22769	23519
20°	23809	23405	22076
25°	24032	22453	16998
30°	24425	18771	12091
35°	24941	14190	8187
40°	25598	10294	6933
45°	26058	7451	10898
50°	25954	8230	10343
55°	24099	9447	10214
60°	20367	8618	10856
65°	15155	8660	9930
70°	10478	7846	9242
75°	6704	6538	8294
80°	4109	5559	6904
85°	2012	5225	6197



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.2	3.7
10°-20°	417.3	11.2
20°-30°	606.2	16.2
30°-40°	579.2	15.5
40°-50°	529.8	14.2
50°-60°	489.2	13.1
60°-70°	388.6	10.4
70°-80°	239.8	6.4
80°-90°	130.6	3.5
90°-100°	66.0	1.8
100°-110°	41.5	1.1
110°-120°	35.1	0.9
120°-130°	28.7	0.8
130°-140°	20.6	0.6
140°-150°	12.7	0.3
150°-160°	6.0	0.2
160°-170°	1.6	0.0
170°-180°	0.0	0.0
0°-30°	1161.7	31.1
0°-40°	1740.9	46.7
0°-60°	2759.8	74.0
0°-90°	3518.8	94.3
90°-120°	142.6	3.8
90°-150°	204.6	5.5
90°-180°	212.0	5.7
0°-180°	3731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1452	1452	1452	1452	1452	
5°	1468	1446	1449	1441	1442	140
15°	1438	1418	1474	1528	1547	407
25°	1387	1414	1441	1220	1120	641
35°	1319	1298	875	602	524	827
45°	1211	845	427	545	656	931
55°	932	433	484	520	557	821
65°	449	281	377	458	469	454
75°	132	150	226	299	319	150
85°	19	64	128	174	177	24
90°	1	48	114	136	125	1
95°	0	44	79	70	66	0
105°	0	40	49	44	44	0
115°	0	33	47	42	40	0
125°	1	26	42	40	39	0
135°	1	19	33	37	35	0
145°	1	12	23	30	32	0
155°	1	7	14	19	22	0
165°	1	4	7	9	12	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-34HL-SLC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1452.4	1452.4	1452.4	1452.4	1452.4
2.5°	1470.4	1449.2	1451.8	1447.3	1439.6
5°	1468.5	1446.0	1448.6	1440.9	1441.5
7.5°	1463.4	1440.2	1443.4	1442.2	1445.4
10°	1457.6	1433.2	1445.4	1456.3	1465.9
12.5°	1447.3	1425.4	1455.0	1487.2	1507.1
15°	1437.7	1418.4	1473.7	1528.3	1547.0
17.5°	1428.0	1415.8	1496.8	1544.4	1541.8
20°	1415.8	1414.5	1514.2	1498.1	1458.9
22.5°	1402.3	1415.2	1500.7	1383.0	1305.8
25°	1386.9	1413.9	1440.9	1219.7	1120.0
27.5°	1371.4	1408.1	1332.2	1040.9	942.6
30°	1356.0	1392.6	1185.6	877.6	788.3
32.5°	1338.0	1359.2	1026.2	733.0	650.7
35°	1319.4	1298.1	875.1	602.5	524.0
37.5°	1300.1	1210.0	739.4	488.0	437.9
40°	1276.9	1099.5	614.7	418.6	432.1
42.5°	1248.0	974.7	504.7	439.1	533.0
45°	1211.3	844.8	426.9	544.6	655.8
47.5°	1165.0	720.1	407.6	623.7	658.4
50°	1109.1	605.7	448.1	598.0	595.4
52.5°	1024.2	510.5	489.3	545.2	565.8
55°	931.6	433.4	483.5	520.2	556.8
57.5°	814.6	381.3	443.6	515.0	557.4
60°	698.3	346.6	409.6	514.4	554.2
62.5°	569.7	315.0	392.2	502.2	525.9
65°	449.4	281.0	376.8	457.8	468.7
67.5°	344.6	246.3	349.8	408.3	430.1
70°	259.8	212.2	307.3	370.3	397.3
72.5°	187.1	180.0	263.6	336.9	365.2
75°	132.4	149.8	225.7	299.0	318.9
77.5°	91.3	122.2	193.5	257.2	273.3
80°	59.8	97.7	164.6	221.2	232.1
82.5°	36.0	78.4	142.7	193.5	199.3
85°	18.6	63.7	127.9	174.2	176.8
87.5°	5.8	53.4	119.6	165.2	168.5
90°	0.6	47.6	114.4	135.7	125.4
92.5°	0.0	45.0	99.0	92.6	82.9
95°	0.0	44.4	79.1	70.1	66.2
97.5°	0.0	43.1	64.9	58.5	56.6
100°	0.0	41.8	55.9	51.4	50.8
102.5°	0.0	41.1	50.8	46.9	46.3
105°	0.0	39.9	48.9	44.4	43.7
107.5°	0.0	37.9	47.6	43.1	41.8
110°	0.0	36.0	47.6	42.4	40.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.1	47.6	41.8	39.9
115°	0.0	32.8	46.9	41.8	39.9
117.5°	0.6	31.5	46.3	41.8	39.9
120°	0.0	30.2	45.0	41.8	39.2
122.5°	0.6	28.3	43.7	41.1	39.2
125°	0.6	26.4	41.8	40.5	38.6
127.5°	0.6	24.4	39.9	39.2	37.3
130°	0.6	22.5	37.9	38.6	36.6
132.5°	0.6	20.6	35.4	37.3	36.0
135°	0.6	18.6	33.4	36.6	35.4
137.5°	0.6	16.7	30.9	34.7	34.7
140°	0.6	14.8	28.3	33.4	34.1
142.5°	0.6	13.5	25.7	32.1	32.8
145°	0.6	11.6	23.1	29.6	31.5
147.5°	0.6	10.3	20.6	27.0	29.6
150°	0.6	9.0	18.0	24.4	27.0
152.5°	0.6	7.7	16.1	21.2	25.1
155°	1.3	7.1	14.1	18.6	22.5
157.5°	1.3	5.8	11.6	16.1	19.3
160°	1.3	5.1	10.3	13.5	17.4
162.5°	1.3	4.5	8.4	11.6	14.8
165°	1.3	3.9	7.1	9.0	12.2
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)