

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-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: 2SNLED-LD5-34HL-SLC-UNV-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

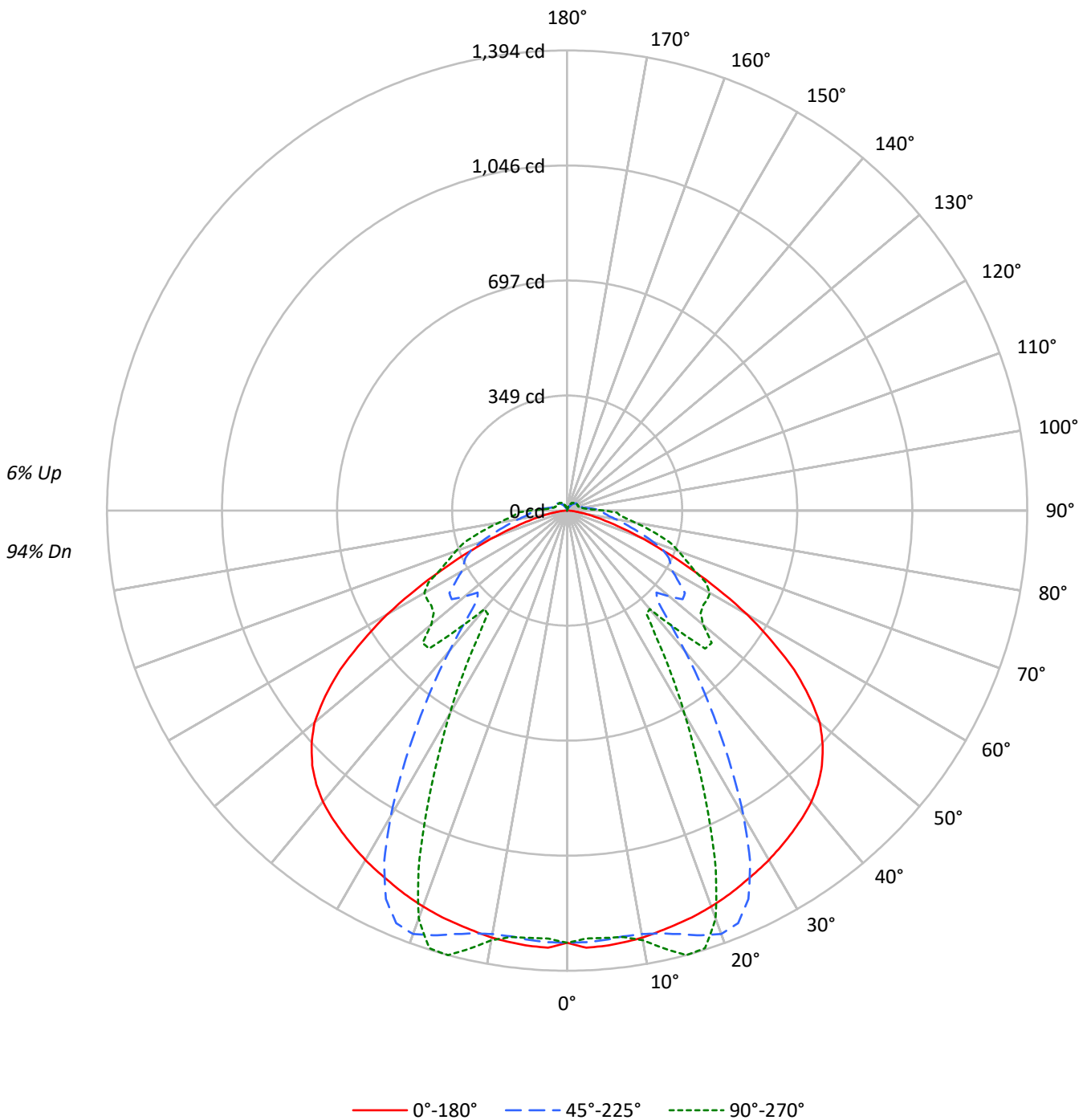
Lumens per Lamp: N/A
Luminaire Lumens: 3363.0 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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°	21159	21159	21159
5°	21359	20625	20409
10°	21326	20274	20340
15°	21326	20523	21199
20°	21460	21096	19898
25°	21662	20239	15322
30°	22016	16920	10898
35°	22479	12790	7379
40°	23074	9278	6249
45°	23489	6716	9823
50°	23394	7418	9324
55°	21724	8515	9207
60°	18358	7768	9786
65°	13661	7805	8952
70°	9441	7073	8333
75°	6046	5892	7478
80°	3704	5012	6223
85°	1817	4710	5587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	3.7
10°-20°	376.1	11.2
20°-30°	546.4	16.2
30°-40°	522.1	15.5
40°-50°	477.5	14.2
50°-60°	440.9	13.1
60°-70°	350.2	10.4
70°-80°	216.2	6.4
80°-90°	117.7	3.5
90°-100°	59.5	1.8
100°-110°	37.4	1.1
110°-120°	31.7	0.9
120°-130°	25.9	0.8
130°-140°	18.6	0.6
140°-150°	11.4	0.3
150°-160°	5.4	0.2
160°-170°	1.4	0.0
170°-180°	0.0	0.0
0°-30°	1047.1	31.1
0°-40°	1569.2	46.7
0°-60°	2487.6	74.0
0°-90°	3171.8	94.3
90°-120°	128.6	3.8
90°-150°	184.4	5.5
90°-180°	191.0	5.7
0°-180°	3363.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1309	1309	1309	1309	1309	
5°	1324	1303	1306	1299	1299	126
15°	1296	1278	1328	1378	1394	367
25°	1250	1274	1299	1099	1010	578
35°	1189	1170	789	543	472	746
45°	1092	762	385	491	591	839
55°	840	391	436	469	502	740
65°	405	253	340	413	422	410
75°	119	135	203	270	288	135
85°	17	57	115	157	159	21
90°	1	43	103	122	113	1
95°	0	40	71	63	60	0
105°	0	36	44	40	39	0
115°	0	30	42	38	36	0
125°	1	24	38	36	35	0
135°	1	17	30	33	32	0
145°	1	10	21	27	28	0
155°	1	6	13	17	20	0
165°	1	4	6	8	11	0
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°	1309.2	1309.2	1309.2	1309.2	1309.2
2.5°	1325.4	1306.3	1308.6	1304.5	1297.6
5°	1323.7	1303.4	1305.7	1298.8	1299.3
7.5°	1319.0	1298.2	1301.1	1299.9	1302.8
10°	1313.8	1291.8	1302.8	1312.7	1321.4
12.5°	1304.5	1284.8	1311.5	1340.5	1358.4
15°	1295.9	1278.5	1328.3	1377.6	1394.4
17.5°	1287.2	1276.1	1349.2	1392.1	1389.7
20°	1276.1	1275.0	1364.8	1350.3	1315.0
22.5°	1264.0	1275.6	1352.6	1246.6	1177.0
25°	1250.1	1274.4	1298.8	1099.4	1009.6
27.5°	1236.2	1269.2	1200.8	938.3	849.6
30°	1222.3	1255.3	1068.7	791.1	710.5
32.5°	1206.0	1225.2	924.9	660.7	586.5
35°	1189.2	1170.1	788.8	543.0	472.3
37.5°	1171.8	1090.7	666.5	439.9	394.7
40°	1151.0	991.0	554.0	377.3	389.5
42.5°	1124.9	878.6	454.9	395.8	480.4
45°	1091.9	761.5	384.8	490.9	591.1
47.5°	1050.1	649.1	367.4	562.2	593.5
50°	999.7	545.9	403.9	539.0	536.7
52.5°	923.2	460.2	441.0	491.5	510.0
55°	839.8	390.6	435.8	468.8	501.9
57.5°	734.3	343.7	399.9	464.2	502.5
60°	629.4	312.4	369.2	463.6	499.6
62.5°	513.5	284.0	353.5	452.6	474.1
65°	405.1	253.3	339.6	412.6	422.5
67.5°	310.6	222.0	315.3	368.0	387.7
70°	234.1	191.2	277.0	333.8	358.2
72.5°	168.6	162.3	237.6	303.7	329.2
75°	119.4	135.0	203.4	269.5	287.5
77.5°	82.3	110.1	174.4	231.8	246.3
80°	53.9	88.1	148.4	199.4	209.2
82.5°	32.5	70.7	128.7	174.4	179.7
85°	16.8	57.4	115.3	157.1	159.4
87.5°	5.2	48.1	107.8	148.9	151.8
90°	0.6	42.9	103.2	122.3	113.0
92.5°	0.0	40.6	89.2	83.5	74.8
95°	0.0	40.0	71.3	63.2	59.7
97.5°	0.0	38.8	58.5	52.7	51.0
100°	0.0	37.7	50.4	46.4	45.8
102.5°	0.0	37.1	45.8	42.3	41.7
105°	0.0	35.9	44.0	40.0	39.4
107.5°	0.0	34.2	42.9	38.8	37.7
110°	0.0	32.5	42.9	38.2	36.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.7	42.9	37.7	35.9
115°	0.0	29.6	42.3	37.7	35.9
117.5°	0.6	28.4	41.7	37.7	35.9
120°	0.0	27.2	40.6	37.7	35.4
122.5°	0.6	25.5	39.4	37.1	35.4
125°	0.6	23.8	37.7	36.5	34.8
127.5°	0.6	22.0	35.9	35.4	33.6
130°	0.6	20.3	34.2	34.8	33.0
132.5°	0.6	18.5	31.9	33.6	32.5
135°	0.6	16.8	30.1	33.0	31.9
137.5°	0.6	15.1	27.8	31.3	31.3
140°	0.6	13.3	25.5	30.1	30.7
142.5°	0.6	12.2	23.2	29.0	29.6
145°	0.6	10.4	20.9	26.7	28.4
147.5°	0.6	9.3	18.5	24.3	26.7
150°	0.6	8.1	16.2	22.0	24.3
152.5°	0.6	7.0	14.5	19.1	22.6
155°	1.2	6.4	12.7	16.8	20.3
157.5°	1.2	5.2	10.4	14.5	17.4
160°	1.2	4.6	9.3	12.2	15.6
162.5°	1.2	4.1	7.5	10.4	13.3
165°	1.2	3.5	6.4	8.1	11.0
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)