

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-LD5-32HL-SLN-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 (P27402)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-32HL-SLN-UNV-L950-CD1-U  
Description: 2FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

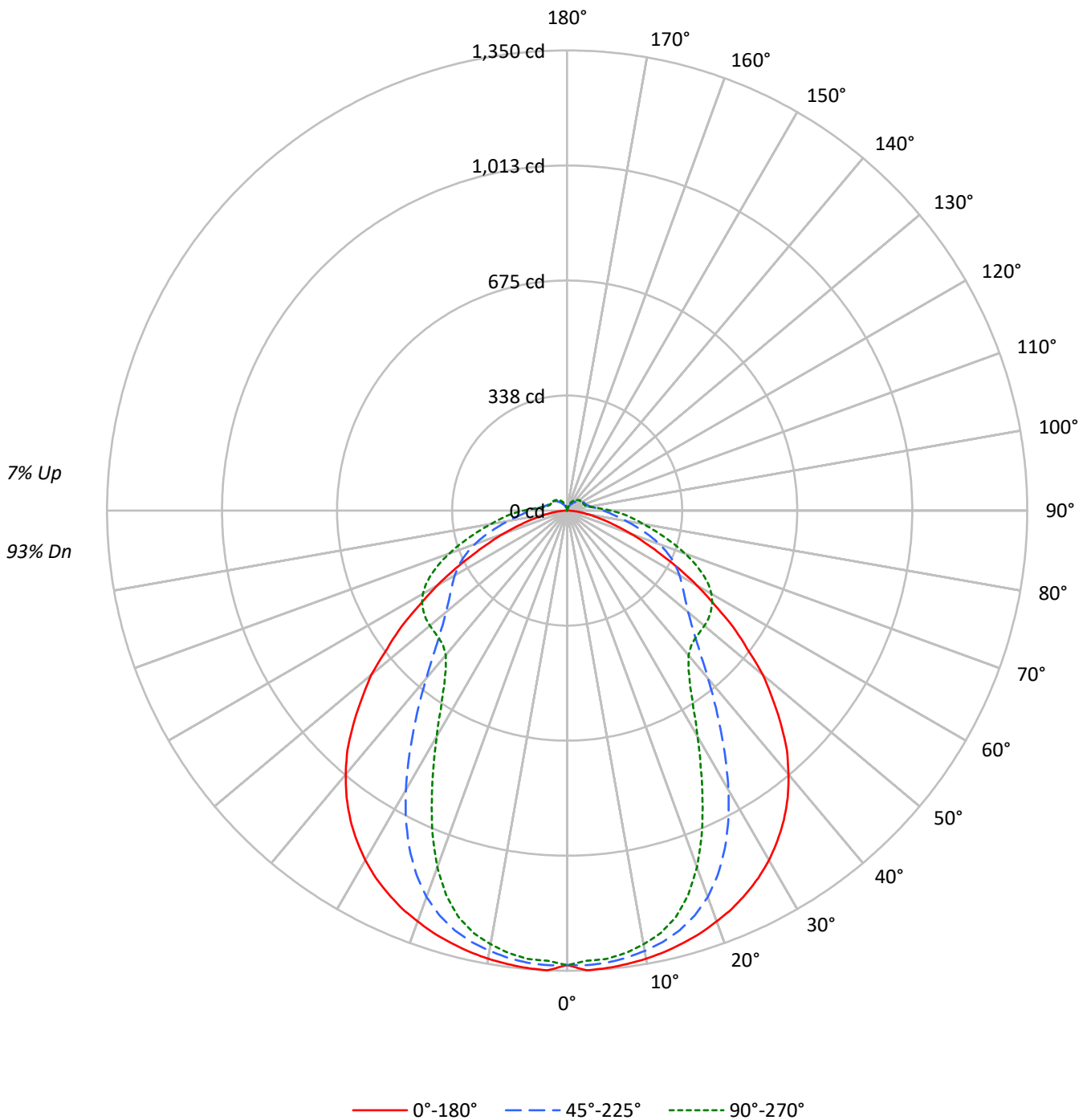
Lumens per Lamp: N/A  
Luminaire Lumens: 3353.1 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')  
CIE Type: Direct

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	21549	21549	21549
5°	21738	21032	20742
10°	21670	20414	19889
15°	21617	19696	18754
20°	21564	18648	16843
25°	21507	17057	14263
30°	21334	14980	11732
35°	20954	12722	9832
40°	20257	10752	8887
45°	19096	9323	8821
50°	17546	8504	9131
55°	15348	8151	9449
60°	12845	8010	9579
65°	10218	7805	9282
70°	8086	7369	8558
75°	5955	6631	7595
80°	4219	5910	6755
85°	2574	5515	6215



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.1	3.8
10°-20°	356.5	10.6
20°-30°	498.4	14.9
30°-40°	517.0	15.4
40°-50°	477.6	14.2
50°-60°	426.4	12.7
60°-70°	345.6	10.3
70°-80°	229.8	6.9
80°-90°	131.6	3.9
90°-100°	72.8	2.2
100°-110°	49.3	1.5
110°-120°	41.1	1.2
120°-130°	33.4	1.0
130°-140°	24.1	0.7
140°-150°	14.5	0.4
150°-160°	7.0	0.2
160°-170°	1.8	0.1
170°-180°	0.0	0.0
0°-30°	981.1	29.3
0°-40°	1498.0	44.7
0°-60°	2402.1	71.6
0°-90°	3109.1	92.7
90°-120°	163.2	4.9
90°-150°	235.2	7.0
90°-180°	244.0	7.3
0°-180°	3353.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1333	1333	1333	1333	1333	
5°	1347	1325	1332	1322	1320	128
15°	1314	1286	1275	1246	1234	371
25°	1241	1186	1095	980	940	572
35°	1108	987	785	659	629	692
45°	888	703	534	515	531	683
55°	593	448	417	485	515	528
65°	303	271	340	416	438	306
75°	118	147	229	280	292	129
85°	24	68	135	173	177	27
90°	1	48	107	129	128	2
95°	1	41	85	90	88	1
105°	1	35	61	59	56	1
115°	1	32	54	53	52	1
125°	1	27	48	50	49	1
135°	1	20	38	44	44	1
145°	1	13	26	34	36	1
155°	1	8	16	21	26	1
165°	1	5	8	10	14	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°	1333.3	1333.3	1333.3	1333.3	1333.3
2.5°	1350.1	1328.1	1335.0	1329.2	1321.7
5°	1347.2	1324.6	1331.5	1322.3	1320.5
7.5°	1342.0	1319.4	1323.4	1312.4	1309.5
10°	1335.0	1311.3	1311.8	1296.2	1292.1
12.5°	1325.8	1299.7	1296.2	1274.8	1269.0
15°	1313.6	1285.8	1274.8	1245.8	1233.6
17.5°	1300.3	1267.8	1245.2	1200.6	1181.5
20°	1282.3	1245.8	1206.4	1138.6	1113.1
22.5°	1264.3	1219.1	1156.0	1065.6	1031.4
25°	1241.2	1186.1	1094.6	979.8	939.8
27.5°	1215.1	1147.3	1023.9	891.8	848.9
30°	1184.4	1100.4	946.2	805.4	764.9
32.5°	1148.4	1047.6	864.5	727.8	690.1
35°	1108.5	986.8	784.6	658.8	629.3
37.5°	1062.7	920.1	710.4	603.2	584.1
40°	1010.5	847.7	642.0	560.3	553.9
42.5°	954.3	777.0	583.5	532.5	538.3
45°	887.7	703.4	534.2	515.1	530.8
47.5°	817.6	631.6	494.3	505.3	527.9
50°	749.8	565.0	463.0	498.9	525.6
52.5°	665.8	505.3	438.1	493.1	522.1
55°	593.3	448.5	417.2	485.0	515.1
57.5°	509.9	397.5	398.7	474.6	504.7
60°	440.4	351.1	380.7	460.1	489.0
62.5°	369.7	309.4	361.0	441.0	467.0
65°	303.0	271.2	339.6	416.0	438.1
67.5°	247.4	236.4	315.2	385.9	404.4
70°	200.5	204.5	288.6	352.3	367.9
72.5°	154.1	175.0	259.6	316.4	329.7
75°	117.6	147.2	228.9	280.4	292.0
77.5°	86.9	122.8	201.1	248.0	257.8
80°	61.4	101.4	175.0	219.6	227.1
82.5°	41.1	83.4	153.6	194.1	201.1
85°	23.8	68.4	135.0	172.7	177.3
87.5°	9.9	56.8	119.9	150.7	153.0
90°	1.2	48.1	106.6	128.6	127.5
92.5°	1.2	43.5	95.0	107.8	104.9
95°	1.2	40.6	84.6	90.4	87.5
97.5°	1.2	38.8	75.3	77.6	74.7
100°	0.6	37.7	69.0	69.0	66.1
102.5°	0.6	36.5	64.3	62.6	60.3
105°	0.6	35.3	60.8	59.1	56.2
107.5°	0.6	34.8	58.5	56.8	53.9
110°	0.6	33.6	56.8	55.0	52.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	33.0	55.6	54.5	51.6
115°	0.6	31.9	53.9	53.3	51.6
117.5°	0.6	30.7	52.7	52.7	51.0
120°	0.6	29.6	51.0	52.1	50.4
122.5°	0.6	28.4	49.3	51.0	49.3
125°	0.6	27.2	47.5	49.8	48.7
127.5°	1.2	25.5	45.2	48.7	47.5
130°	0.6	23.8	42.9	47.5	46.9
132.5°	1.2	22.0	40.6	45.8	45.8
135°	1.2	20.3	37.7	44.0	44.0
137.5°	1.2	18.0	34.8	41.7	42.3
140°	1.2	16.2	31.9	39.4	40.6
142.5°	1.2	14.5	29.0	37.1	38.8
145°	1.2	12.7	26.1	34.2	36.5
147.5°	1.2	11.6	23.2	30.7	34.2
150°	1.2	9.9	20.9	27.8	31.3
152.5°	1.2	8.7	18.5	24.9	29.0
155°	1.2	8.1	16.2	21.4	26.1
157.5°	1.2	7.0	13.9	18.5	23.2
160°	1.2	5.8	11.6	16.2	19.7
162.5°	1.2	5.2	9.9	13.3	17.4
165°	1.2	4.6	8.1	10.4	13.9
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)