

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-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 (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-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

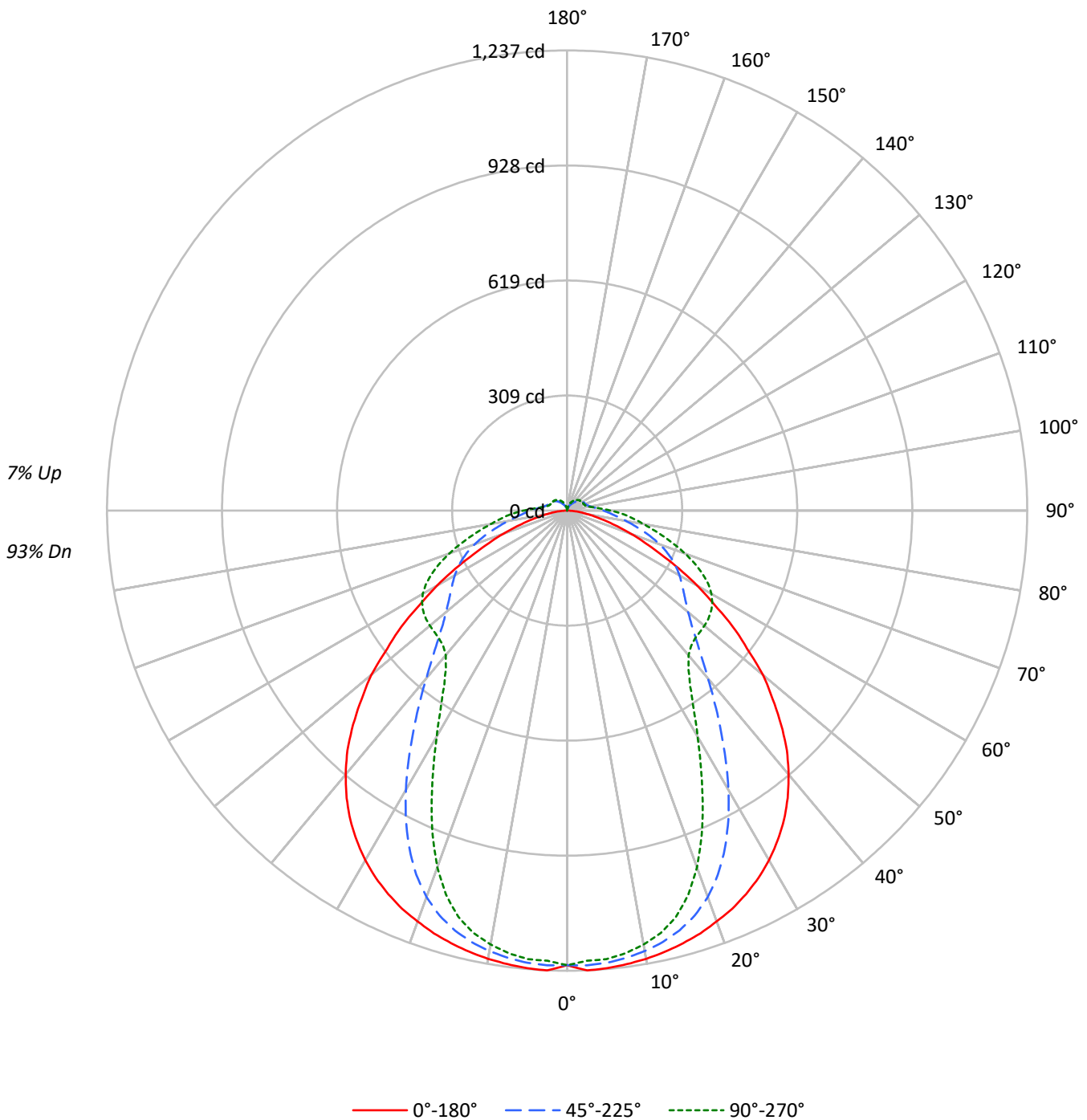
Lumens per Lamp: N/A
Luminaire Lumens: 3073.0 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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



TEST NUMBER: P#
CATALOG NUMBER: 2SNLED-LD5-32HL-SLN-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-SLN-UNV-L935-CD1-U

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°	19748	19748	19748
5°	19923	19277	19011
10°	19860	18710	18228
15°	19812	18051	17189
20°	19763	17090	15436
25°	19710	15633	13073
30°	19552	13730	10752
35°	19204	11658	9010
40°	18567	9854	8146
45°	17502	8545	8083
50°	16081	7793	8368
55°	14067	7471	8660
60°	11772	7341	8779
65°	9365	7152	8507
70°	7409	6754	7844
75°	5458	6078	6960
80°	3869	5417	6193
85°	2358	5054	5696



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-SLN-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	3.8
10°-20°	326.8	10.6
20°-30°	456.8	14.9
30°-40°	473.8	15.4
40°-50°	437.7	14.2
50°-60°	390.8	12.7
60°-70°	316.7	10.3
70°-80°	210.7	6.9
80°-90°	120.6	3.9
90°-100°	66.7	2.2
100°-110°	45.2	1.5
110°-120°	37.6	1.2
120°-130°	30.6	1.0
130°-140°	22.1	0.7
140°-150°	13.3	0.4
150°-160°	6.4	0.2
160°-170°	1.7	0.1
170°-180°	0.0	0.0
0°-30°	899.1	29.3
0°-40°	1372.9	44.7
0°-60°	2201.4	71.6
0°-90°	2849.4	92.7
90°-120°	149.5	4.9
90°-150°	215.5	7.0
90°-180°	224.0	7.3
0°-180°	3073.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1222	1222	1222	1222	1222	
5°	1235	1214	1220	1212	1210	117
15°	1204	1178	1168	1142	1131	340
25°	1138	1087	1003	898	861	524
35°	1016	904	719	604	577	634
45°	814	645	490	472	486	626
55°	544	411	382	444	472	484
65°	278	248	311	381	402	281
75°	108	135	210	257	268	118
85°	22	63	124	158	162	25
90°	1	44	98	118	117	2
95°	1	37	78	83	80	1
105°	0	32	56	54	52	1
115°	0	29	49	49	47	0
125°	0	25	44	46	45	1
135°	1	19	34	40	40	1
145°	1	12	24	31	34	1
155°	1	7	15	20	24	1
165°	1	4	7	10	13	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-SLN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1221.9	1221.9	1221.9	1221.9	1221.9
2.5°	1237.3	1217.2	1223.5	1218.2	1211.3
5°	1234.7	1214.0	1220.4	1211.9	1210.3
7.5°	1229.9	1209.2	1212.9	1202.8	1200.2
10°	1223.5	1201.8	1202.3	1188.0	1184.2
12.5°	1215.0	1191.1	1188.0	1168.3	1163.0
15°	1203.9	1178.4	1168.3	1141.8	1130.6
17.5°	1191.7	1161.9	1141.2	1100.3	1082.8
20°	1175.2	1141.8	1105.6	1043.5	1020.1
22.5°	1158.8	1117.3	1059.4	976.6	945.3
25°	1137.5	1087.1	1003.2	898.0	861.4
27.5°	1113.6	1051.5	938.4	817.3	778.0
30°	1085.5	1008.5	867.2	738.2	701.0
32.5°	1052.5	960.1	792.3	667.0	632.5
35°	1015.9	904.4	719.0	603.8	576.7
37.5°	973.9	843.3	651.1	552.8	535.3
40°	926.2	776.9	588.4	513.5	507.7
42.5°	874.6	712.1	534.8	488.0	493.3
45°	813.6	644.7	489.6	472.1	486.4
47.5°	749.3	578.8	453.0	463.1	483.8
50°	687.2	517.8	424.3	457.2	481.7
52.5°	610.2	463.1	401.5	451.9	478.5
55°	543.8	411.0	382.4	444.5	472.1
57.5°	467.3	364.3	365.4	434.9	462.5
60°	403.6	321.8	348.9	421.7	448.2
62.5°	338.8	283.6	330.8	404.1	428.0
65°	277.7	248.5	311.2	381.3	401.5
67.5°	226.8	216.7	288.9	353.7	370.7
70°	183.7	187.5	264.5	322.9	337.2
72.5°	141.3	160.4	237.9	290.0	302.2
75°	107.8	134.9	209.8	257.0	267.6
77.5°	79.7	112.6	184.3	227.3	236.3
80°	56.3	92.9	160.4	201.3	208.2
82.5°	37.7	76.5	140.7	177.9	184.3
85°	21.8	62.7	123.7	158.3	162.5
87.5°	9.0	52.0	109.9	138.1	140.2
90°	1.1	44.1	97.7	117.9	116.8
92.5°	1.1	39.8	87.1	98.8	96.1
95°	1.1	37.2	77.5	82.8	80.2
97.5°	1.1	35.6	69.0	71.2	68.5
100°	0.5	34.5	63.2	63.2	60.5
102.5°	0.5	33.5	58.9	57.4	55.2
105°	0.5	32.4	55.8	54.2	51.5
107.5°	0.5	31.9	53.6	52.0	49.4
110°	0.5	30.8	52.0	50.4	48.3



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-SLN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	30.3	51.0	49.9	47.3
115°	0.5	29.2	49.4	48.9	47.3
117.5°	0.5	28.1	48.3	48.3	46.7
120°	0.5	27.1	46.7	47.8	46.2
122.5°	0.5	26.0	45.1	46.7	45.1
125°	0.5	25.0	43.5	45.7	44.6
127.5°	1.1	23.4	41.4	44.6	43.5
130°	0.5	21.8	39.3	43.5	43.0
132.5°	1.1	20.2	37.2	42.0	42.0
135°	1.1	18.6	34.5	40.4	40.4
137.5°	1.1	16.5	31.9	38.2	38.8
140°	1.1	14.9	29.2	36.1	37.2
142.5°	1.1	13.3	26.6	34.0	35.6
145°	1.1	11.7	23.9	31.3	33.5
147.5°	1.1	10.6	21.2	28.1	31.3
150°	1.1	9.0	19.1	25.5	28.7
152.5°	1.1	8.0	17.0	22.8	26.6
155°	1.1	7.4	14.9	19.6	23.9
157.5°	1.1	6.4	12.7	17.0	21.2
160°	1.1	5.3	10.6	14.9	18.1
162.5°	1.1	4.8	9.0	12.2	15.9
165°	1.1	4.2	7.4	9.6	12.7
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)