

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-L930-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-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

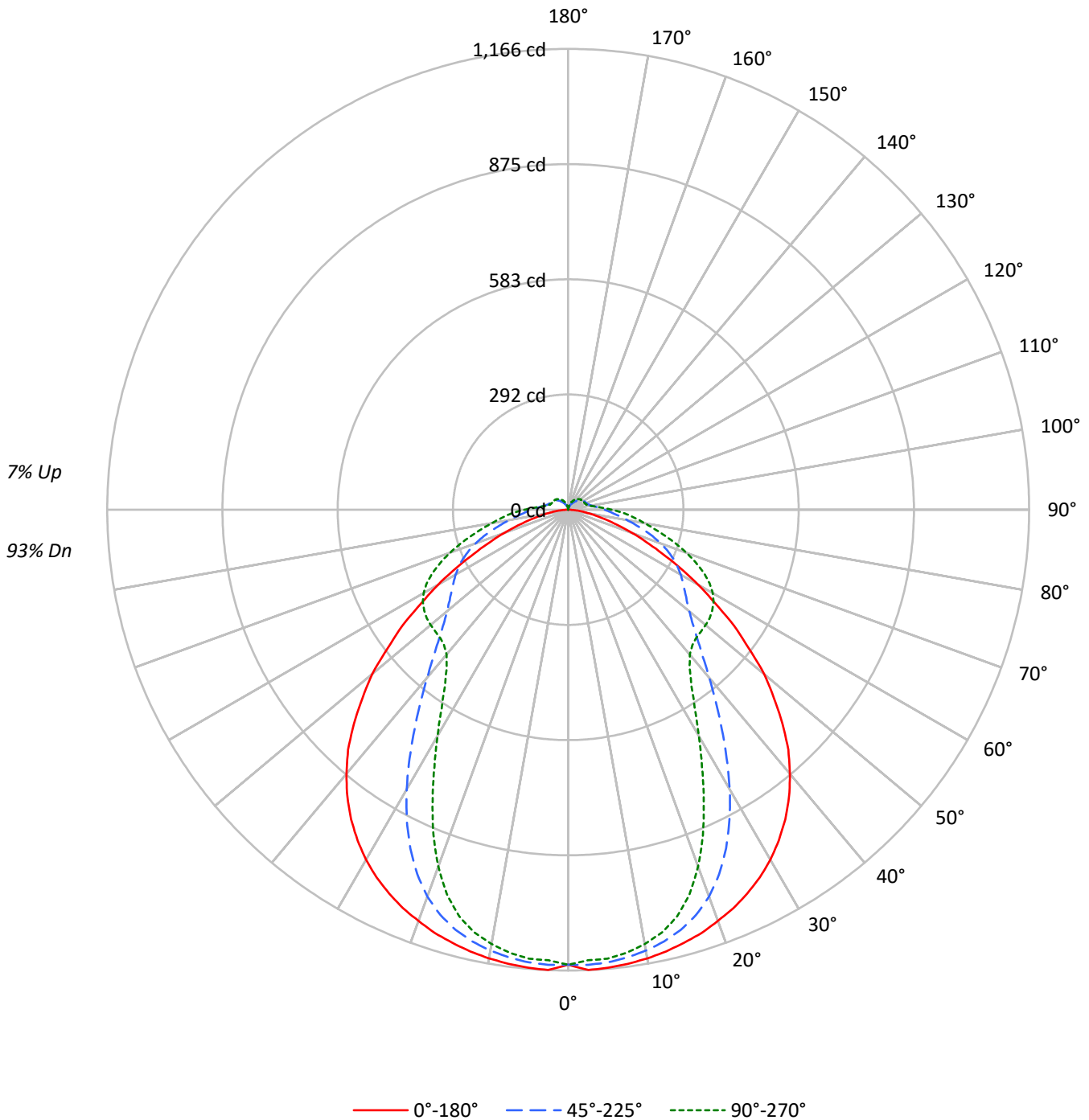
Lumens per Lamp: N/A
Luminaire Lumens: 2894.9 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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°	18606	18606	18606
5°	18769	18161	17910
10°	18711	17627	17172
15°	18665	17005	16193
20°	18618	16100	14543
25°	18568	14726	12316
30°	18419	12935	10129
35°	18092	10984	8488
40°	17491	9283	7674
45°	16487	8051	7616
50°	15150	7341	7883
55°	13253	7038	8159
60°	11089	6916	8270
65°	8825	6738	8013
70°	6981	6360	7391
75°	5144	5724	6557
80°	3642	5103	5833
85°	2217	4764	5366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	3.8
10°-20°	307.8	10.6
20°-30°	430.3	14.9
30°-40°	446.4	15.4
40°-50°	412.4	14.2
50°-60°	368.2	12.7
60°-70°	298.4	10.3
70°-80°	198.5	6.9
80°-90°	113.6	3.9
90°-100°	62.9	2.2
100°-110°	42.6	1.5
110°-120°	35.4	1.2
120°-130°	28.8	1.0
130°-140°	20.8	0.7
140°-150°	12.5	0.4
150°-160°	6.0	0.2
160°-170°	1.6	0.1
170°-180°	0.0	0.0
0°-30°	847.1	29.3
0°-40°	1293.4	44.7
0°-60°	2073.9	71.6
0°-90°	2684.4	92.7
90°-120°	140.8	4.9
90°-150°	202.9	7.0
90°-180°	211.0	7.3
0°-180°	2894.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1151	1151	1151	1151	1151	
5°	1163	1144	1150	1142	1140	111
15°	1134	1110	1101	1076	1065	320
25°	1072	1024	945	846	812	494
35°	957	852	677	569	543	597
45°	766	607	461	445	458	589
55°	512	387	360	419	445	456
65°	262	234	293	359	378	264
75°	102	127	198	242	252	111
85°	20	59	117	149	153	24
90°	1	42	92	111	110	2
95°	1	35	73	78	76	1
105°	0	30	52	51	48	1
115°	0	28	46	46	44	0
125°	0	24	41	43	42	1
135°	1	18	32	38	38	1
145°	1	11	22	30	32	1
155°	1	7	14	18	22	0
165°	1	4	7	9	12	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°	1151.2	1151.2	1151.2	1151.2	1151.2
2.5°	1165.7	1146.7	1152.7	1147.7	1141.2
5°	1163.2	1143.7	1149.7	1141.7	1140.2
7.5°	1158.7	1139.2	1142.7	1133.2	1130.7
10°	1152.7	1132.2	1132.7	1119.1	1115.6
12.5°	1144.7	1122.2	1119.1	1100.6	1095.6
15°	1134.2	1110.1	1100.6	1075.6	1065.1
17.5°	1122.7	1094.6	1075.1	1036.6	1020.1
20°	1107.1	1075.6	1041.6	983.1	961.1
22.5°	1091.6	1052.6	998.1	920.0	890.5
25°	1071.6	1024.1	945.0	846.0	811.5
27.5°	1049.1	990.6	884.0	769.9	732.9
30°	1022.6	950.1	817.0	695.4	660.4
32.5°	991.6	904.5	746.4	628.4	595.8
35°	957.1	852.0	677.4	568.8	543.3
37.5°	917.5	794.5	613.4	520.8	504.3
40°	872.5	731.9	554.3	483.8	478.3
42.5°	824.0	670.9	503.8	459.8	464.8
45°	766.4	607.4	461.3	444.8	458.3
47.5°	705.9	545.3	426.7	436.3	455.8
50°	647.4	487.8	399.7	430.7	453.8
52.5°	574.8	436.3	378.2	425.7	450.8
55°	512.3	387.2	360.2	418.7	444.8
57.5°	440.3	343.2	344.2	409.7	435.8
60°	380.2	303.2	328.7	397.2	422.2
62.5°	319.2	267.2	311.7	380.7	403.2
65°	261.7	234.1	293.2	359.2	378.2
67.5°	213.6	204.1	272.2	333.2	349.2
70°	173.1	176.6	249.1	304.2	317.7
72.5°	133.1	151.1	224.1	273.2	284.7
75°	101.6	127.1	197.6	242.1	252.1
77.5°	75.0	106.1	173.6	214.1	222.6
80°	53.0	87.6	151.1	189.6	196.1
82.5°	35.5	72.0	132.6	167.6	173.6
85°	20.5	59.0	116.6	149.1	153.1
87.5°	8.5	49.0	103.6	130.1	132.1
90°	1.0	41.5	92.1	111.1	110.1
92.5°	1.0	37.5	82.0	93.1	90.6
95°	1.0	35.0	73.0	78.0	75.5
97.5°	1.0	33.5	65.0	67.0	64.5
100°	0.5	32.5	59.5	59.5	57.0
102.5°	0.5	31.5	55.5	54.0	52.0
105°	0.5	30.5	52.5	51.0	48.5
107.5°	0.5	30.0	50.5	49.0	46.5
110°	0.5	29.0	49.0	47.5	45.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	28.5	48.0	47.0	44.5
115°	0.5	27.5	46.5	46.0	44.5
117.5°	0.5	26.5	45.5	45.5	44.0
120°	0.5	25.5	44.0	45.0	43.5
122.5°	0.5	24.5	42.5	44.0	42.5
125°	0.5	23.5	41.0	43.0	42.0
127.5°	1.0	22.0	39.0	42.0	41.0
130°	0.5	20.5	37.0	41.0	40.5
132.5°	1.0	19.0	35.0	39.5	39.5
135°	1.0	17.5	32.5	38.0	38.0
137.5°	1.0	15.5	30.0	36.0	36.5
140°	1.0	14.0	27.5	34.0	35.0
142.5°	1.0	12.5	25.0	32.0	33.5
145°	1.0	11.0	22.5	29.5	31.5
147.5°	1.0	10.0	20.0	26.5	29.5
150°	1.0	8.5	18.0	24.0	27.0
152.5°	1.0	7.5	16.0	21.5	25.0
155°	1.0	7.0	14.0	18.5	22.5
157.5°	1.0	6.0	12.0	16.0	20.0
160°	1.0	5.0	10.0	14.0	17.0
162.5°	1.0	4.5	8.5	11.5	15.0
165°	1.0	4.0	7.0	9.0	12.0
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)