

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: **4SNLED-LD5-35SL-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: 4SNLED-LD5-35SL-SLN-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

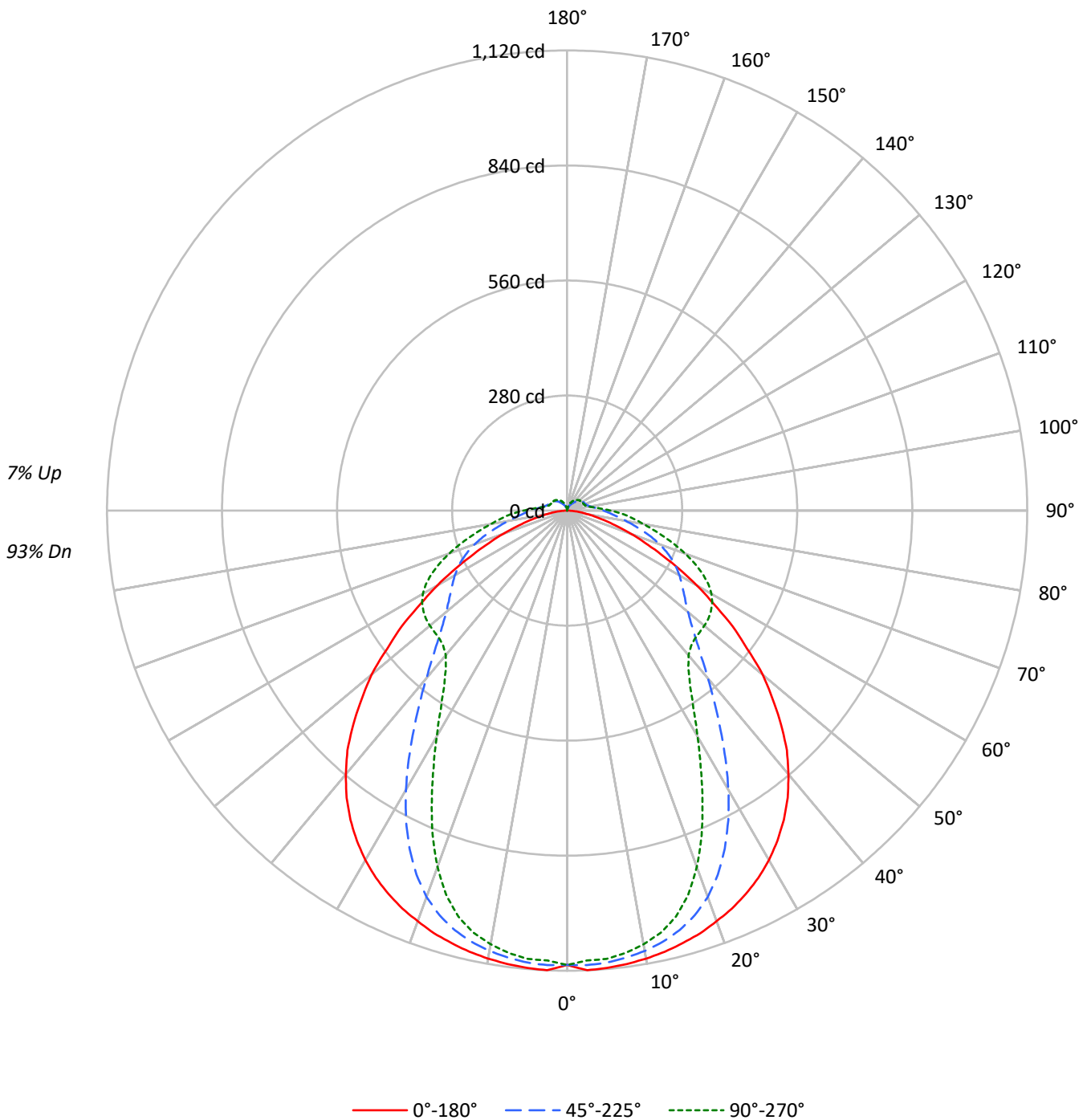
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2781.0 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 25
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°	8936	8936	8936
5°	9040	8739	8602
10°	9036	8498	8248
15°	9039	8213	7778
20°	9043	7790	6985
25°	9047	7137	5915
30°	9004	6281	4865
35°	8876	5343	4077
40°	8615	4526	3685
45°	8160	3933	3658
50°	7538	3596	3786
55°	6637	3456	3918
60°	5599	3406	3973
65°	4503	3331	3849
70°	3619	3159	3550
75°	2729	2859	3150
80°	2012	2567	2802
85°	1346	2423	2578



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.6	3.8
10°-20°	295.7	10.6
20°-30°	413.4	14.9
30°-40°	428.8	15.4
40°-50°	396.1	14.2
50°-60°	353.7	12.7
60°-70°	286.6	10.3
70°-80°	190.6	6.9
80°-90°	109.2	3.9
90°-100°	60.4	2.2
100°-110°	40.9	1.5
110°-120°	34.1	1.2
120°-130°	27.7	1.0
130°-140°	20.0	0.7
140°-150°	12.0	0.4
150°-160°	5.8	0.2
160°-170°	1.5	0.1
170°-180°	0.0	0.0
0°-30°	813.7	29.3
0°-40°	1242.5	44.7
0°-60°	1992.3	71.6
0°-90°	2578.7	92.7
90°-120°	135.4	4.9
90°-150°	195.1	7.0
90°-180°	202.0	7.3
0°-180°	2781.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1106	1106	1106	1106	1106	
5°	1117	1099	1104	1097	1095	106
15°	1090	1066	1057	1033	1023	308
25°	1029	984	908	813	780	474
35°	919	818	651	546	522	574
45°	736	583	443	427	440	566
55°	492	372	346	402	427	438
65°	251	225	282	345	363	254
75°	98	122	190	233	242	107
85°	20	57	112	143	147	23
90°	1	40	88	107	106	2
95°	1	34	70	75	73	1
105°	0	29	50	49	47	1
115°	0	26	45	44	43	0
125°	0	23	39	41	40	1
135°	1	17	31	36	36	1
145°	1	11	22	28	30	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°	1105.8	1105.8	1105.8	1105.8	1105.8
2.5°	1119.8	1101.5	1107.3	1102.5	1096.2
5°	1117.4	1098.6	1104.4	1096.7	1095.3
7.5°	1113.0	1094.3	1097.7	1088.5	1086.1
10°	1107.3	1087.6	1088.1	1075.1	1071.7
12.5°	1099.6	1078.0	1075.1	1057.3	1052.5
15°	1089.5	1066.4	1057.3	1033.3	1023.2
17.5°	1078.4	1051.5	1032.8	995.8	979.9
20°	1063.5	1033.3	1000.6	944.4	923.2
22.5°	1048.6	1011.2	958.8	883.8	855.4
25°	1029.4	983.8	907.8	812.7	779.5
27.5°	1007.8	951.6	849.2	739.6	704.1
30°	982.3	912.6	784.8	668.0	634.4
32.5°	952.5	868.9	717.0	603.6	572.4
35°	919.4	818.4	650.7	546.4	521.9
37.5°	881.4	763.2	589.2	500.3	484.4
40°	838.1	703.1	532.5	464.7	459.4
42.5°	791.5	644.5	484.0	441.7	446.5
45°	736.3	583.4	443.1	427.2	440.2
47.5°	678.1	523.8	409.9	419.1	437.8
50°	621.9	468.6	384.0	413.8	435.9
52.5°	552.2	419.1	363.3	409.0	433.0
55°	492.1	372.0	346.0	402.3	427.2
57.5°	422.9	329.7	330.6	393.6	418.6
60°	365.2	291.2	315.7	381.6	405.6
62.5°	306.6	256.6	299.4	365.7	387.4
65°	251.3	224.9	281.6	345.1	363.3
67.5°	205.2	196.1	261.4	320.1	335.5
70°	166.3	169.6	239.3	292.2	305.2
72.5°	127.8	145.1	215.3	262.4	273.5
75°	97.6	122.1	189.8	232.6	242.2
77.5°	72.1	101.9	166.8	205.7	213.9
80°	50.9	84.1	145.1	182.1	188.4
82.5°	34.1	69.2	127.4	161.0	166.8
85°	19.7	56.7	112.0	143.2	147.1
87.5°	8.2	47.1	99.5	125.0	126.9
90°	1.0	39.9	88.4	106.7	105.7
92.5°	1.0	36.0	78.8	89.4	87.0
95°	1.0	33.6	70.2	75.0	72.6
97.5°	1.0	32.2	62.5	64.4	62.0
100°	0.5	31.2	57.2	57.2	54.8
102.5°	0.5	30.3	53.3	51.9	50.0
105°	0.5	29.3	50.5	49.0	46.6
107.5°	0.5	28.8	48.5	47.1	44.7
110°	0.5	27.9	47.1	45.7	43.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	27.4	46.1	45.2	42.8
115°	0.5	26.4	44.7	44.2	42.8
117.5°	0.5	25.5	43.7	43.7	42.3
120°	0.5	24.5	42.3	43.3	41.8
122.5°	0.5	23.5	40.9	42.3	40.9
125°	0.5	22.6	39.4	41.3	40.4
127.5°	1.0	21.1	37.5	40.4	39.4
130°	0.5	19.7	35.6	39.4	38.9
132.5°	1.0	18.3	33.6	38.0	38.0
135°	1.0	16.8	31.2	36.5	36.5
137.5°	1.0	14.9	28.8	34.6	35.1
140°	1.0	13.5	26.4	32.7	33.6
142.5°	1.0	12.0	24.0	30.8	32.2
145°	1.0	10.6	21.6	28.4	30.3
147.5°	1.0	9.6	19.2	25.5	28.4
150°	1.0	8.2	17.3	23.1	26.0
152.5°	1.0	7.2	15.4	20.7	24.0
155°	1.0	6.7	13.5	17.8	21.6
157.5°	1.0	5.8	11.5	15.4	19.2
160°	1.0	4.8	9.6	13.5	16.3
162.5°	1.0	4.3	8.2	11.1	14.4
165°	1.0	3.8	6.7	8.7	11.5
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)