

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: **8SNLED-LD5-68SL-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: 8SNLED-LD5-68SL-SLN-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

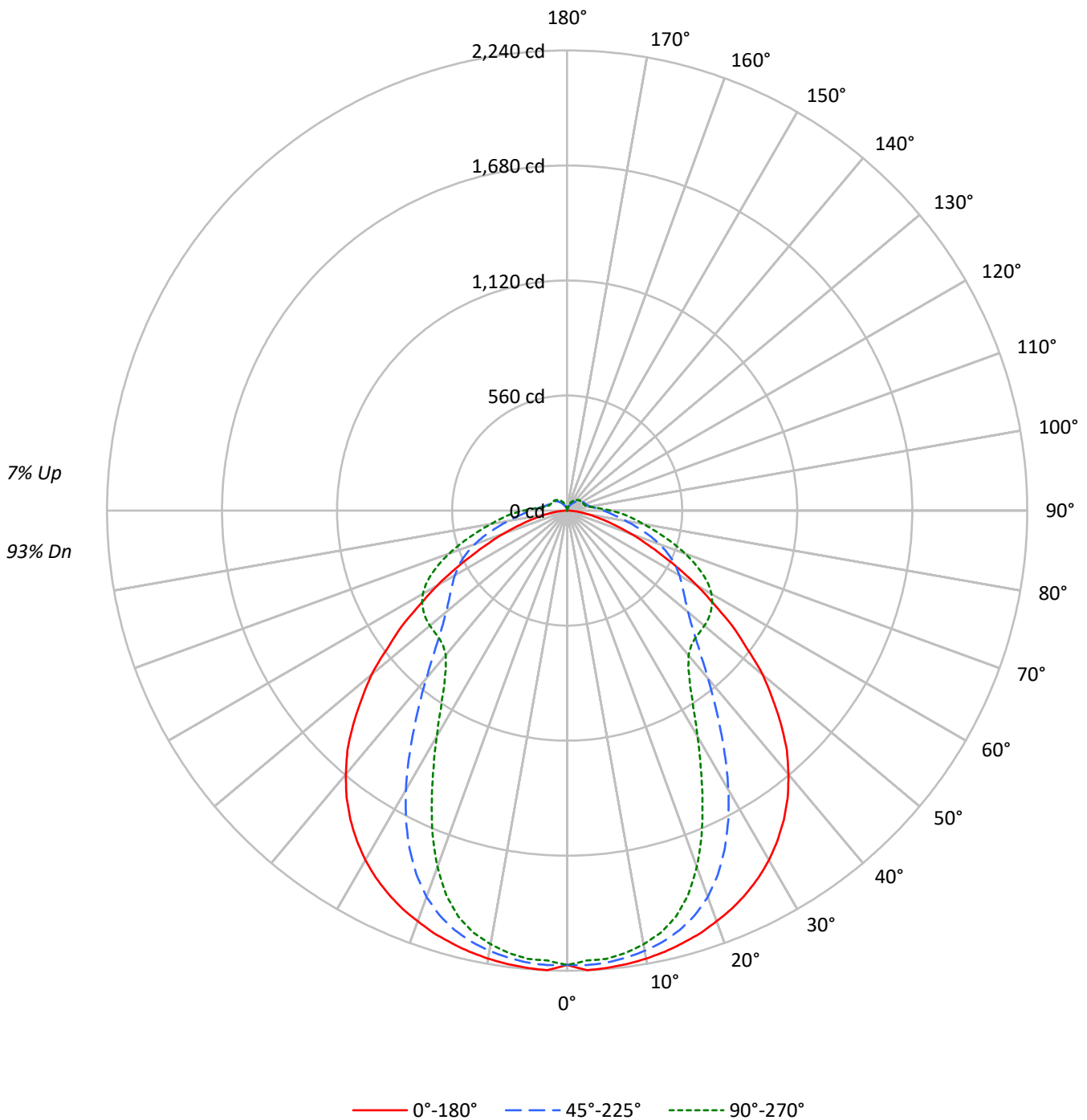
Lumens per Lamp: N/A
Luminaire Lumens: 5562.0 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 50
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°	9051	8747	8602
10°	9061	8513	8248
15°	9077	8235	7778
20°	9094	7818	6985
25°	9112	7170	5915
30°	9085	6315	4865
35°	8971	5378	4077
40°	8727	4560	3686
45°	8285	3967	3658
50°	7675	3631	3786
55°	6782	3495	3919
60°	5748	3451	3973
65°	4650	3381	3849
70°	3767	3214	3549
75°	2878	2917	3150
80°	2178	2630	2802
85°	1550	2496	2577



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.2	3.8
10°-20°	591.4	10.6
20°-30°	826.7	14.9
30°-40°	857.6	15.4
40°-50°	792.2	14.2
50°-60°	707.3	12.7
60°-70°	573.2	10.3
70°-80°	381.3	6.9
80°-90°	218.3	3.9
90°-100°	120.8	2.2
100°-110°	81.8	1.5
110°-120°	68.1	1.2
120°-130°	55.4	1.0
130°-140°	39.9	0.7
140°-150°	24.1	0.4
150°-160°	11.6	0.2
160°-170°	3.0	0.1
170°-180°	0.0	0.0
0°-30°	1627.4	29.3
0°-40°	2485.0	44.7
0°-60°	3984.5	71.6
0°-90°	5157.4	92.7
90°-120°	270.7	4.9
90°-150°	390.1	7.0
90°-180°	405.0	7.3
0°-180°	5562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2212	2212	2212	2212	2212	
5°	2235	2197	2209	2193	2190	213
15°	2179	2133	2115	2066	2046	616
25°	2059	1968	1816	1625	1559	949
35°	1839	1637	1301	1093	1044	1147
45°	1472	1167	886	854	880	1132
55°	984	744	692	804	854	875
65°	503	450	563	690	727	508
75°	195	244	380	465	484	214
85°	39	113	224	286	294	45
90°	2	80	177	213	212	3
95°	2	67	140	150	145	1
105°	1	59	101	98	93	1
115°	1	53	89	88	86	1
125°	1	45	79	83	81	1
135°	2	34	62	73	73	1
145°	2	21	43	57	61	1
155°	2	14	27	36	43	1
165°	2	8	14	17	23	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°	2211.7	2211.7	2211.7	2211.7	2211.7
2.5°	2239.5	2203.0	2214.6	2204.9	2192.5
5°	2234.7	2197.3	2208.8	2193.4	2190.5
7.5°	2226.1	2188.6	2195.3	2177.1	2172.3
10°	2214.6	2175.1	2176.1	2150.2	2143.4
12.5°	2199.2	2155.9	2150.2	2114.6	2105.0
15°	2179.0	2132.9	2114.6	2066.5	2046.4
17.5°	2156.9	2103.1	2065.6	1991.6	1959.8
20°	2127.1	2066.5	2001.2	1888.7	1846.4
22.5°	2097.3	2022.3	1917.6	1767.6	1710.9
25°	2058.8	1967.5	1815.7	1625.4	1559.0
27.5°	2015.6	1903.1	1698.4	1479.3	1408.1
30°	1964.7	1825.3	1569.6	1336.0	1268.8
32.5°	1905.1	1737.8	1434.1	1207.2	1144.8
35°	1838.7	1636.9	1301.4	1092.9	1043.8
37.5°	1762.8	1526.4	1178.4	1000.6	968.9
40°	1676.3	1406.2	1065.0	929.5	918.9
42.5°	1583.1	1288.9	967.9	883.3	892.9
45°	1472.5	1166.9	886.2	854.5	880.4
47.5°	1356.2	1047.7	819.9	838.1	875.6
50°	1243.8	937.1	768.0	827.6	871.8
52.5°	1104.4	838.1	726.7	818.0	866.0
55°	984.2	744.0	692.0	804.5	854.5
57.5°	845.8	659.4	661.3	787.2	837.2
60°	730.5	582.5	631.5	763.2	811.2
62.5°	613.2	513.3	598.8	731.5	774.7
65°	502.7	449.8	563.3	690.1	726.7
67.5°	410.4	392.2	522.9	640.1	670.9
70°	332.6	339.3	478.7	584.4	610.3
72.5°	255.7	290.3	430.6	524.8	546.9
75°	195.1	244.1	379.7	465.2	484.4
77.5°	144.2	203.8	333.5	411.4	427.7
80°	101.9	168.2	290.3	364.3	376.8
82.5°	68.2	138.4	254.7	322.0	333.5
85°	39.4	113.4	224.0	286.4	294.1
87.5°	16.3	94.2	199.0	249.9	253.8
90°	1.9	79.8	176.9	213.4	211.5
92.5°	1.9	72.1	157.6	178.8	174.0
95°	1.9	67.3	140.3	149.9	145.1
97.5°	1.9	64.4	125.0	128.8	124.0
100°	1.0	62.5	114.4	114.4	109.6
102.5°	1.0	60.6	106.7	103.8	100.0
105°	1.0	58.6	100.9	98.0	93.2
107.5°	1.0	57.7	97.1	94.2	89.4
110°	1.0	55.7	94.2	91.3	87.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	54.8	92.3	90.4	85.5
115°	1.0	52.9	89.4	88.4	85.5
117.5°	1.0	50.9	87.5	87.5	84.6
120°	1.0	49.0	84.6	86.5	83.6
122.5°	1.0	47.1	81.7	84.6	81.7
125°	1.0	45.2	78.8	82.7	80.7
127.5°	1.9	42.3	75.0	80.7	78.8
130°	1.0	39.4	71.1	78.8	77.9
132.5°	1.9	36.5	67.3	75.9	75.9
135°	1.9	33.6	62.5	73.0	73.0
137.5°	1.9	29.8	57.7	69.2	70.2
140°	1.9	26.9	52.9	65.4	67.3
142.5°	1.9	24.0	48.1	61.5	64.4
145°	1.9	21.1	43.3	56.7	60.6
147.5°	1.9	19.2	38.4	50.9	56.7
150°	1.9	16.3	34.6	46.1	51.9
152.5°	1.9	14.4	30.8	41.3	48.1
155°	1.9	13.5	26.9	35.6	43.3
157.5°	1.9	11.5	23.1	30.8	38.4
160°	1.9	9.6	19.2	26.9	32.7
162.5°	1.9	8.7	16.3	22.1	28.8
165°	1.9	7.7	13.5	17.3	23.1
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)