

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-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: 8SNLED-LD5-68SL-SLN-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

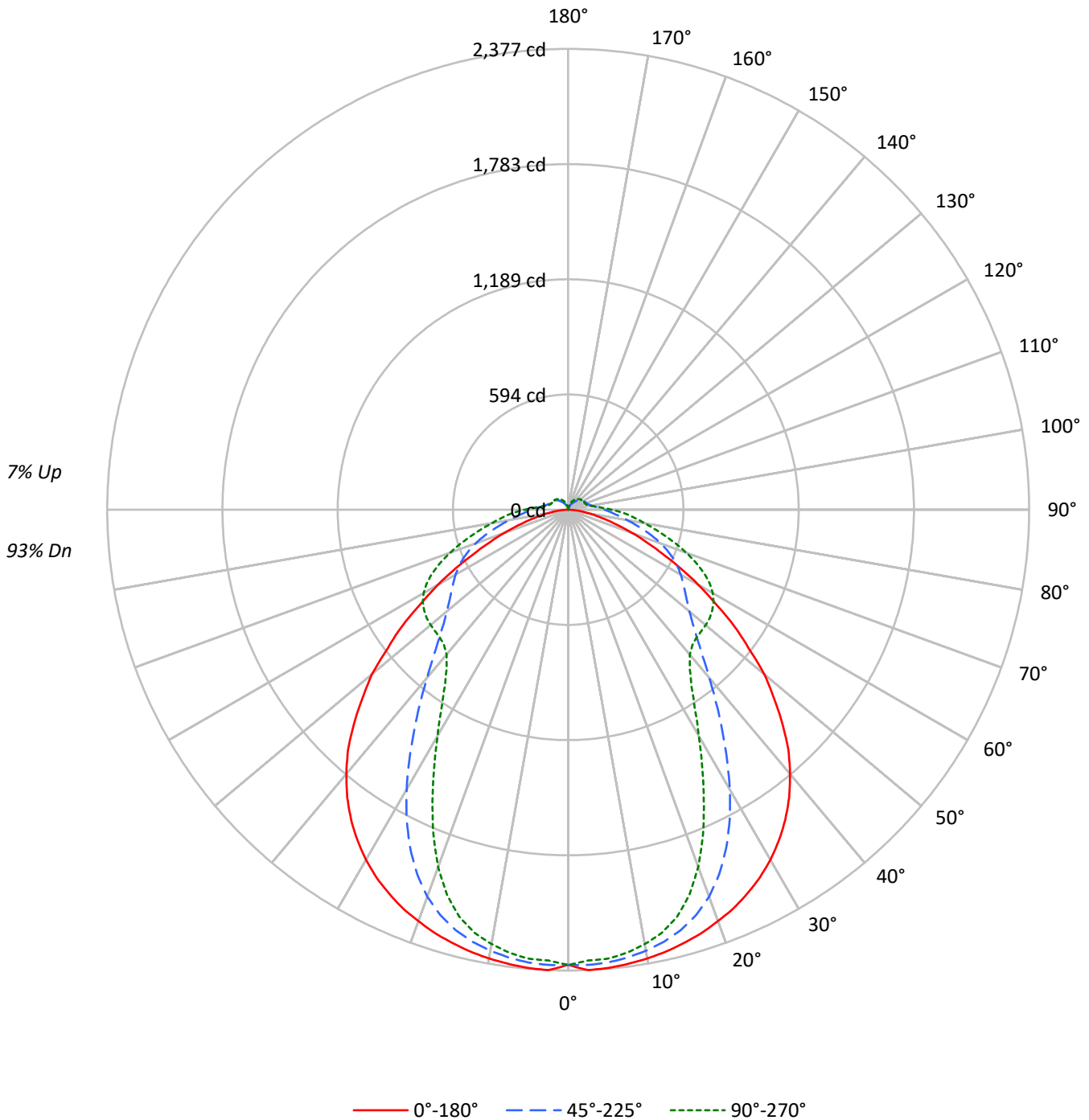
Lumens per Lamp: N/A
Luminaire Lumens: 5904.0 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 50
Input Voltage (V): NR
Input Current (A_{in}): 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°	9486	9486	9486
5°	9608	9285	9131
10°	9618	9037	8755
15°	9635	8742	8256
20°	9654	8299	7415
25°	9672	7611	6279
30°	9643	6703	5164
35°	9523	5709	4328
40°	9264	4840	3912
45°	8794	4211	3883
50°	8147	3854	4019
55°	7199	3710	4159
60°	6101	3663	4217
65°	4936	3589	4085
70°	3999	3411	3768
75°	3055	3096	3343
80°	2311	2792	2975
85°	1644	2649	2736



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.1	3.8
10°-20°	627.8	10.6
20°-30°	877.6	14.9
30°-40°	910.3	15.4
40°-50°	841.0	14.2
50°-60°	750.8	12.7
60°-70°	608.5	10.3
70°-80°	404.7	6.9
80°-90°	231.8	3.9
90°-100°	128.2	2.2
100°-110°	86.8	1.5
110°-120°	72.3	1.2
120°-130°	58.8	1.0
130°-140°	42.4	0.7
140°-150°	25.6	0.4
150°-160°	12.3	0.2
160°-170°	3.2	0.1
170°-180°	0.0	0.0
0°-30°	1727.5	29.3
0°-40°	2637.8	44.7
0°-60°	4229.5	71.6
0°-90°	5474.5	92.7
90°-120°	287.3	4.9
90°-150°	414.0	7.0
90°-180°	429.0	7.3
0°-180°	5904.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2348	2348	2348	2348	2348	
5°	2372	2332	2345	2328	2325	226
15°	2313	2264	2245	2194	2172	654
25°	2185	2088	1927	1725	1655	1007
35°	1952	1738	1382	1160	1108	1218
45°	1563	1239	941	907	935	1202
55°	1045	790	735	854	907	929
65°	534	478	598	733	771	539
75°	207	259	403	494	514	227
85°	42	120	238	304	312	48
90°	2	85	188	226	224	3
95°	2	71	149	159	154	1
105°	1	62	107	104	99	1
115°	1	56	95	94	91	1
125°	1	48	84	88	86	1
135°	2	36	66	78	78	1
145°	2	22	46	60	64	1
155°	2	14	29	38	46	1
165°	2	8	14	18	24	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°	2347.7	2347.7	2347.7	2347.7	2347.7
2.5°	2377.3	2338.5	2350.7	2340.5	2327.3
5°	2372.2	2332.4	2344.6	2328.3	2325.2
7.5°	2363.0	2323.2	2330.3	2310.9	2305.8
10°	2350.7	2308.9	2309.9	2282.4	2275.2
12.5°	2334.4	2288.5	2282.4	2244.6	2234.4
15°	2313.0	2264.0	2244.6	2193.6	2172.2
17.5°	2289.5	2232.4	2192.6	2114.0	2080.4
20°	2257.9	2193.6	2124.2	2004.9	1960.0
22.5°	2226.3	2146.7	2035.5	1876.3	1816.1
25°	2185.4	2088.5	1927.3	1725.3	1654.9
27.5°	2139.5	2020.2	1802.8	1570.2	1494.7
30°	2085.5	1937.5	1666.1	1418.2	1346.8
32.5°	2022.2	1844.7	1522.3	1281.5	1215.2
35°	1951.8	1737.5	1381.5	1160.1	1108.0
37.5°	1871.2	1620.2	1250.9	1062.1	1028.4
40°	1779.4	1492.7	1130.5	986.6	975.4
42.5°	1680.4	1368.2	1027.4	937.6	947.8
45°	1563.1	1238.6	940.7	907.0	934.6
47.5°	1439.6	1112.1	870.3	889.7	929.5
50°	1320.2	994.8	815.2	878.5	925.4
52.5°	1172.3	889.7	771.3	868.3	919.3
55°	1044.8	789.7	734.6	854.0	907.0
57.5°	897.8	699.9	702.0	835.6	888.7
60°	775.4	618.3	670.3	810.1	861.1
62.5°	650.9	544.8	635.6	776.4	822.3
65°	533.6	477.5	597.9	732.6	771.3
67.5°	435.7	416.3	555.0	679.5	712.2
70°	353.0	360.2	508.1	620.3	647.9
72.5°	271.4	308.1	457.1	557.1	580.5
75°	207.1	259.2	403.0	493.8	514.2
77.5°	153.0	216.3	354.0	436.7	454.0
80°	108.1	178.5	308.1	386.7	400.0
82.5°	72.4	146.9	270.4	341.8	354.0
85°	41.8	120.4	237.7	304.0	312.2
87.5°	17.3	100.0	211.2	265.3	269.4
90°	2.0	84.7	187.7	226.5	224.5
92.5°	2.0	76.5	167.3	189.8	184.7
95°	2.0	71.4	149.0	159.2	154.1
97.5°	2.0	68.4	132.6	136.7	131.6
100°	1.0	66.3	121.4	121.4	116.3
102.5°	1.0	64.3	113.3	110.2	106.1
105°	1.0	62.2	107.1	104.1	99.0
107.5°	1.0	61.2	103.0	100.0	94.9
110°	1.0	59.2	100.0	96.9	92.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	58.2	97.9	95.9	90.8
115°	1.0	56.1	94.9	93.9	90.8
117.5°	1.0	54.1	92.8	92.8	89.8
120°	1.0	52.0	89.8	91.8	88.8
122.5°	1.0	50.0	86.7	89.8	86.7
125°	1.0	48.0	83.7	87.7	85.7
127.5°	2.0	44.9	79.6	85.7	83.7
130°	1.0	41.8	75.5	83.7	82.6
132.5°	2.0	38.8	71.4	80.6	80.6
135°	2.0	35.7	66.3	77.5	77.5
137.5°	2.0	31.6	61.2	73.5	74.5
140°	2.0	28.6	56.1	69.4	71.4
142.5°	2.0	25.5	51.0	65.3	68.4
145°	2.0	22.4	45.9	60.2	64.3
147.5°	2.0	20.4	40.8	54.1	60.2
150°	2.0	17.3	36.7	49.0	55.1
152.5°	2.0	15.3	32.6	43.9	51.0
155°	2.0	14.3	28.6	37.8	45.9
157.5°	2.0	12.2	24.5	32.6	40.8
160°	2.0	10.2	20.4	28.6	34.7
162.5°	2.0	9.2	17.3	23.5	30.6
165°	2.0	8.2	14.3	18.4	24.5
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)