

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

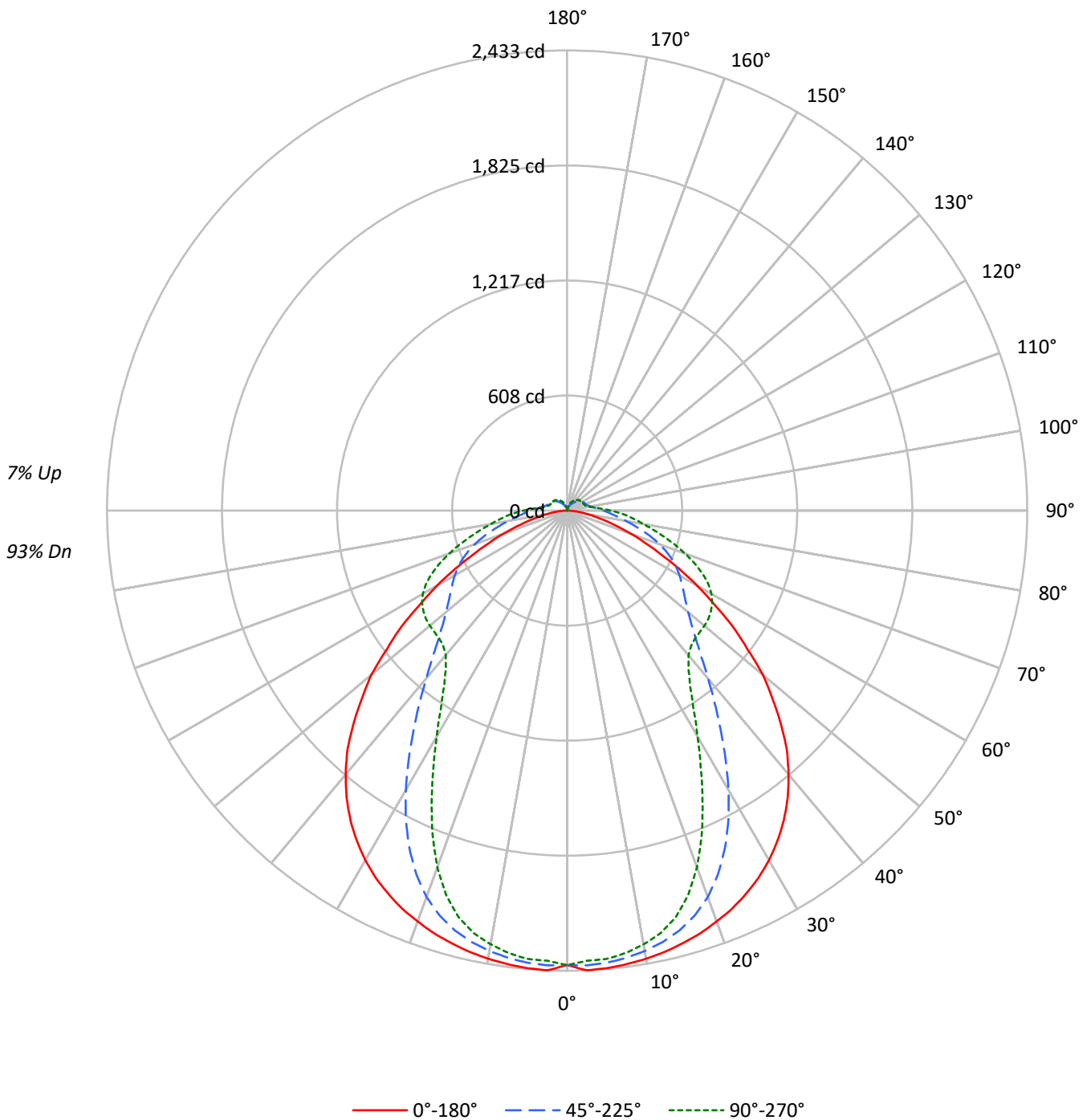
Lumens per Lamp: N/A
Luminaire Lumens: 6043.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	9709	9709	9709
5°	9834	9504	9346
10°	9845	9249	8962
15°	9862	8948	8450
20°	9881	8494	7589
25°	9900	7790	6427
30°	9870	6861	5286
35°	9747	5843	4430
40°	9482	4954	4005
45°	9001	4310	3974
50°	8339	3945	4114
55°	7369	3797	4258
60°	6245	3749	4316
65°	5053	3673	4182
70°	4093	3492	3856
75°	3127	3169	3422
80°	2366	2858	3045
85°	1684	2711	2801



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.3	3.8
10°-20°	642.6	10.6
20°-30°	898.2	14.9
30°-40°	931.7	15.4
40°-50°	860.8	14.2
50°-60°	768.5	12.7
60°-70°	622.8	10.3
70°-80°	414.2	6.9
80°-90°	237.2	3.9
90°-100°	131.2	2.2
100°-110°	88.9	1.5
110°-120°	74.0	1.2
120°-130°	60.2	1.0
130°-140°	43.4	0.7
140°-150°	26.2	0.4
150°-160°	12.6	0.2
160°-170°	3.3	0.1
170°-180°	0.0	0.0
0°-30°	1768.2	29.3
0°-40°	2699.9	44.7
0°-60°	4329.1	71.6
0°-90°	5603.4	92.7
90°-120°	294.1	4.9
90°-150°	423.8	7.0
90°-180°	440.0	7.3
0°-180°	6043.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2403	2403	2403	2403	2403	
5°	2428	2387	2400	2383	2380	231
15°	2367	2317	2298	2245	2223	669
25°	2237	2138	1973	1766	1694	1031
35°	1998	1778	1414	1187	1134	1246
45°	1600	1268	963	928	957	1230
55°	1069	808	752	874	928	951
65°	546	489	612	750	790	552
75°	212	265	412	505	526	232
85°	43	123	243	311	320	49
90°	2	87	192	232	230	3
95°	2	73	152	163	158	2
105°	1	64	110	106	101	1
115°	1	57	97	96	93	1
125°	1	49	86	90	88	1
135°	2	37	68	79	79	2
145°	2	23	47	62	66	1
155°	2	15	29	39	47	1
165°	2	8	15	19	25	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°	2402.9	2402.9	2402.9	2402.9	2402.9
2.5°	2433.2	2393.5	2406.1	2395.6	2382.1
5°	2428.0	2387.3	2399.8	2383.1	2380.0
7.5°	2418.6	2377.9	2385.2	2365.3	2360.1
10°	2406.1	2363.3	2364.3	2336.1	2328.8
12.5°	2389.4	2342.4	2336.1	2297.5	2287.0
15°	2367.4	2317.3	2297.5	2245.2	2223.3
17.5°	2343.4	2284.9	2244.2	2163.8	2129.3
20°	2311.0	2245.2	2174.2	2052.1	2006.1
22.5°	2278.7	2197.2	2083.4	1920.5	1858.9
25°	2236.9	2137.7	1972.7	1765.9	1693.9
27.5°	2189.9	2067.7	1845.3	1607.2	1529.9
30°	2134.6	1983.1	1705.3	1451.6	1378.5
32.5°	2069.8	1888.1	1558.1	1311.6	1243.8
35°	1997.7	1778.4	1414.0	1187.4	1134.1
37.5°	1915.2	1658.4	1280.3	1087.1	1052.7
40°	1821.3	1527.8	1157.1	1009.8	998.4
42.5°	1720.0	1400.4	1051.6	959.7	970.2
45°	1599.9	1267.8	962.8	928.4	956.6
47.5°	1473.5	1138.3	890.8	910.6	951.4
50°	1351.3	1018.2	834.4	899.1	947.2
52.5°	1199.9	910.6	789.5	888.7	940.9
55°	1069.4	808.3	751.9	874.1	928.4
57.5°	919.0	716.4	718.5	855.3	909.6
60°	793.7	632.8	686.1	829.2	881.4
62.5°	666.3	557.7	650.6	794.7	841.7
65°	546.2	488.7	612.0	749.8	789.5
67.5°	445.9	426.1	568.1	695.5	728.9
70°	361.3	368.6	520.1	634.9	663.1
72.5°	277.8	315.4	467.8	570.2	594.2
75°	212.0	265.3	412.5	505.4	526.3
77.5°	156.6	221.4	362.4	447.0	464.7
80°	110.7	182.8	315.4	395.8	409.4
82.5°	74.1	150.4	276.7	349.8	362.4
85°	42.8	123.2	243.3	311.2	319.6
87.5°	17.8	102.3	216.2	271.5	275.7
90°	2.1	86.7	192.2	231.8	229.7
92.5°	2.1	78.3	171.3	194.2	189.0
95°	2.1	73.1	152.5	162.9	157.7
97.5°	2.1	70.0	135.8	139.9	134.7
100°	1.0	67.9	124.3	124.3	119.1
102.5°	1.0	65.8	115.9	112.8	108.6
105°	1.0	63.7	109.7	106.5	101.3
107.5°	1.0	62.7	105.5	102.3	97.1
110°	1.0	60.6	102.3	99.2	95.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	59.5	100.3	98.2	92.9
115°	1.0	57.4	97.1	96.1	92.9
117.5°	1.0	55.3	95.0	95.0	91.9
120°	1.0	53.3	91.9	94.0	90.9
122.5°	1.0	51.2	88.8	91.9	88.8
125°	1.0	49.1	85.6	89.8	87.7
127.5°	2.1	45.9	81.5	87.7	85.6
130°	1.0	42.8	77.3	85.6	84.6
132.5°	2.1	39.7	73.1	82.5	82.5
135°	2.1	36.6	67.9	79.4	79.4
137.5°	2.1	32.4	62.7	75.2	76.2
140°	2.1	29.2	57.4	71.0	73.1
142.5°	2.1	26.1	52.2	66.8	70.0
145°	2.1	23.0	47.0	61.6	65.8
147.5°	2.1	20.9	41.8	55.3	61.6
150°	2.1	17.8	37.6	50.1	56.4
152.5°	2.1	15.7	33.4	44.9	52.2
155°	2.1	14.6	29.2	38.6	47.0
157.5°	2.1	12.5	25.1	33.4	41.8
160°	2.1	10.4	20.9	29.2	35.5
162.5°	2.1	9.4	17.8	24.0	31.3
165°	2.1	8.4	14.6	18.8	25.1
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)