

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-SLC-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-68SL-SLC-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

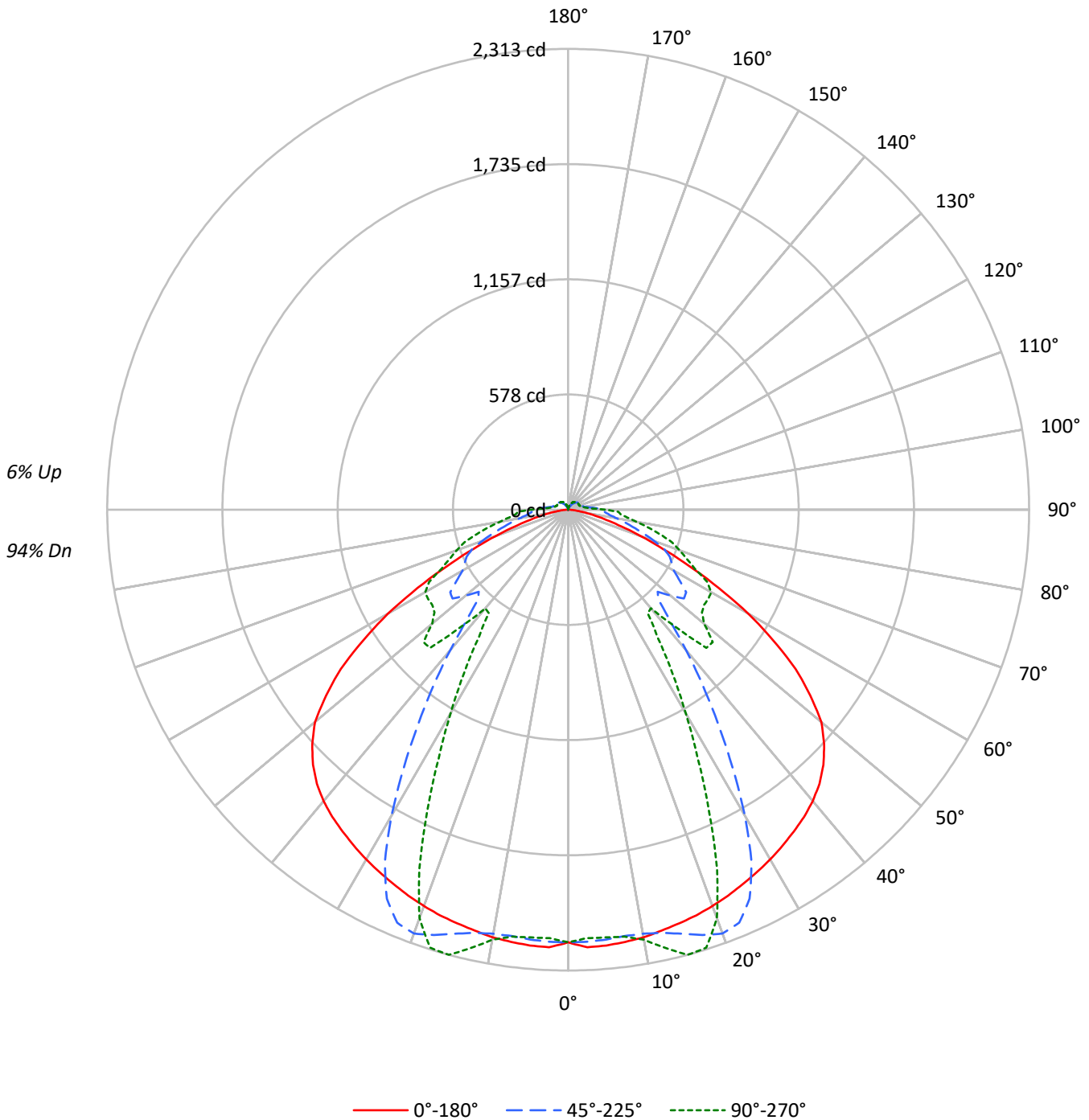
Lumens per Lamp: N/A
Luminaire Lumens: 5578.0 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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										
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	50	30	10	50	30	10	0														
RCR																																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94																				
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78																				
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66																				
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56																				
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49																				
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43																				
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38																				
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34																				
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30																				
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28																				
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8774	8774	8774
5°	8893	8577	8463
10°	8916	8454	8434
15°	8954	8580	8790
20°	9050	8844	8251
25°	9177	8507	6353
30°	9374	7131	4519
35°	9624	5407	3060
40°	9939	3934	2591
45°	10189	2857	4074
50°	10233	3168	3866
55°	9598	3651	3817
60°	8213	3346	4058
65°	6216	3381	3712
70°	4398	3085	3455
75°	2921	2592	3100
80°	1911	2230	2581
85°	1097	2132	2316



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.6	3.7
10°-20°	623.9	11.2
20°-30°	906.3	16.2
30°-40°	865.9	15.5
40°-50°	792.1	14.2
50°-60°	731.4	13.1
60°-70°	580.9	10.4
70°-80°	358.6	6.4
80°-90°	195.2	3.5
90°-100°	98.7	1.8
100°-110°	62.0	1.1
110°-120°	52.5	0.9
120°-130°	42.9	0.8
130°-140°	30.8	0.6
140°-150°	19.0	0.3
150°-160°	9.0	0.2
160°-170°	2.3	0.0
170°-180°	0.0	0.0
0°-30°	1736.7	31.1
0°-40°	2602.7	46.7
0°-60°	4126.1	74.0
0°-90°	5260.8	94.3
90°-120°	213.2	3.8
90°-150°	305.9	5.5
90°-180°	317.0	5.7
0°-180°	5578.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2172	2172	2172	2172	2172	
5°	2196	2162	2166	2154	2155	209
15°	2149	2120	2203	2285	2313	608
25°	2073	2114	2154	1824	1674	958
35°	1972	1941	1308	901	783	1237
45°	1811	1263	638	814	980	1392
55°	1393	648	723	778	832	1227
65°	672	420	563	684	701	679
75°	198	224	337	447	477	224
85°	28	95	191	260	264	36
90°	1	71	171	203	187	1
95°	0	66	118	105	99	0
105°	0	60	73	66	65	0
115°	0	49	70	62	60	0
125°	1	39	62	61	58	1
135°	1	28	50	55	53	1
145°	1	17	35	44	47	1
155°	2	11	21	28	34	1
165°	2	6	11	14	18	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°	2171.5	2171.5	2171.5	2171.5	2171.5
2.5°	2198.4	2166.7	2170.5	2163.8	2152.2
5°	2195.5	2161.8	2165.7	2154.2	2155.1
7.5°	2187.8	2153.2	2158.0	2156.1	2160.9
10°	2179.2	2142.6	2160.9	2177.2	2191.6
12.5°	2163.8	2131.1	2175.3	2223.4	2253.2
15°	2149.4	2120.5	2203.2	2284.9	2312.8
17.5°	2134.9	2116.7	2237.8	2308.9	2305.1
20°	2116.7	2114.7	2263.7	2239.7	2181.1
22.5°	2096.5	2115.7	2243.6	2067.6	1952.3
25°	2073.4	2113.8	2154.2	1823.5	1674.5
27.5°	2050.3	2105.1	1991.7	1556.3	1409.2
30°	2027.3	2082.1	1772.5	1312.1	1178.5
32.5°	2000.4	2032.1	1534.2	1095.8	972.8
35°	1972.5	1940.8	1308.3	900.7	783.4
37.5°	1943.6	1809.1	1105.4	729.6	654.6
40°	1909.0	1643.7	919.0	625.8	646.0
42.5°	1865.8	1457.3	754.6	656.5	796.9
45°	1811.0	1263.1	638.3	814.2	980.5
47.5°	1741.8	1076.6	609.4	932.4	984.3
50°	1658.2	905.5	670.0	894.0	890.1
52.5°	1531.3	763.2	731.5	815.1	845.9
55°	1392.9	647.9	722.9	777.7	832.4
57.5°	1217.9	570.0	663.3	770.0	833.4
60°	1043.9	518.1	612.3	769.0	828.6
62.5°	851.7	471.0	586.4	750.7	786.3
65°	671.9	420.1	563.3	684.4	700.8
67.5°	515.2	368.2	522.9	610.4	643.1
70°	388.3	317.2	459.5	553.7	594.1
72.5°	279.7	269.1	394.1	503.7	546.0
75°	198.0	224.0	337.4	447.0	476.8
77.5°	136.5	182.6	289.3	384.5	408.5
80°	89.4	146.1	246.1	330.7	347.0
82.5°	53.8	117.3	213.4	289.3	298.0
85°	27.9	95.2	191.3	260.5	264.3
87.5°	8.7	79.8	178.8	247.0	251.8
90°	1.0	71.1	171.1	202.8	187.4
92.5°	0.0	67.3	148.0	138.4	124.0
95°	0.0	66.3	118.2	104.8	99.0
97.5°	0.0	64.4	97.1	87.5	84.6
100°	0.0	62.5	83.6	76.9	75.9
102.5°	0.0	61.5	75.9	70.2	69.2
105°	0.0	59.6	73.1	66.3	65.4
107.5°	0.0	56.7	71.1	64.4	62.5
110°	0.0	53.8	71.1	63.4	60.6



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	50.9	71.1	62.5	59.6
115°	0.0	49.0	70.2	62.5	59.6
117.5°	1.0	47.1	69.2	62.5	59.6
120°	0.0	45.2	67.3	62.5	58.6
122.5°	1.0	42.3	65.4	61.5	58.6
125°	1.0	39.4	62.5	60.6	57.7
127.5°	1.0	36.5	59.6	58.6	55.8
130°	1.0	33.6	56.7	57.7	54.8
132.5°	1.0	30.8	52.9	55.8	53.8
135°	1.0	27.9	50.0	54.8	52.9
137.5°	1.0	25.0	46.1	51.9	51.9
140°	1.0	22.1	42.3	50.0	50.9
142.5°	1.0	20.2	38.4	48.1	49.0
145°	1.0	17.3	34.6	44.2	47.1
147.5°	1.0	15.4	30.8	40.4	44.2
150°	1.0	13.5	26.9	36.5	40.4
152.5°	1.0	11.5	24.0	31.7	37.5
155°	1.9	10.6	21.1	27.9	33.6
157.5°	1.9	8.7	17.3	24.0	28.8
160°	1.9	7.7	15.4	20.2	26.0
162.5°	1.9	6.7	12.5	17.3	22.1
165°	1.9	5.8	10.6	13.5	18.3
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)