

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-LD5-98SL-SLC-UNV-L950-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-LD5-98SL-SLC-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

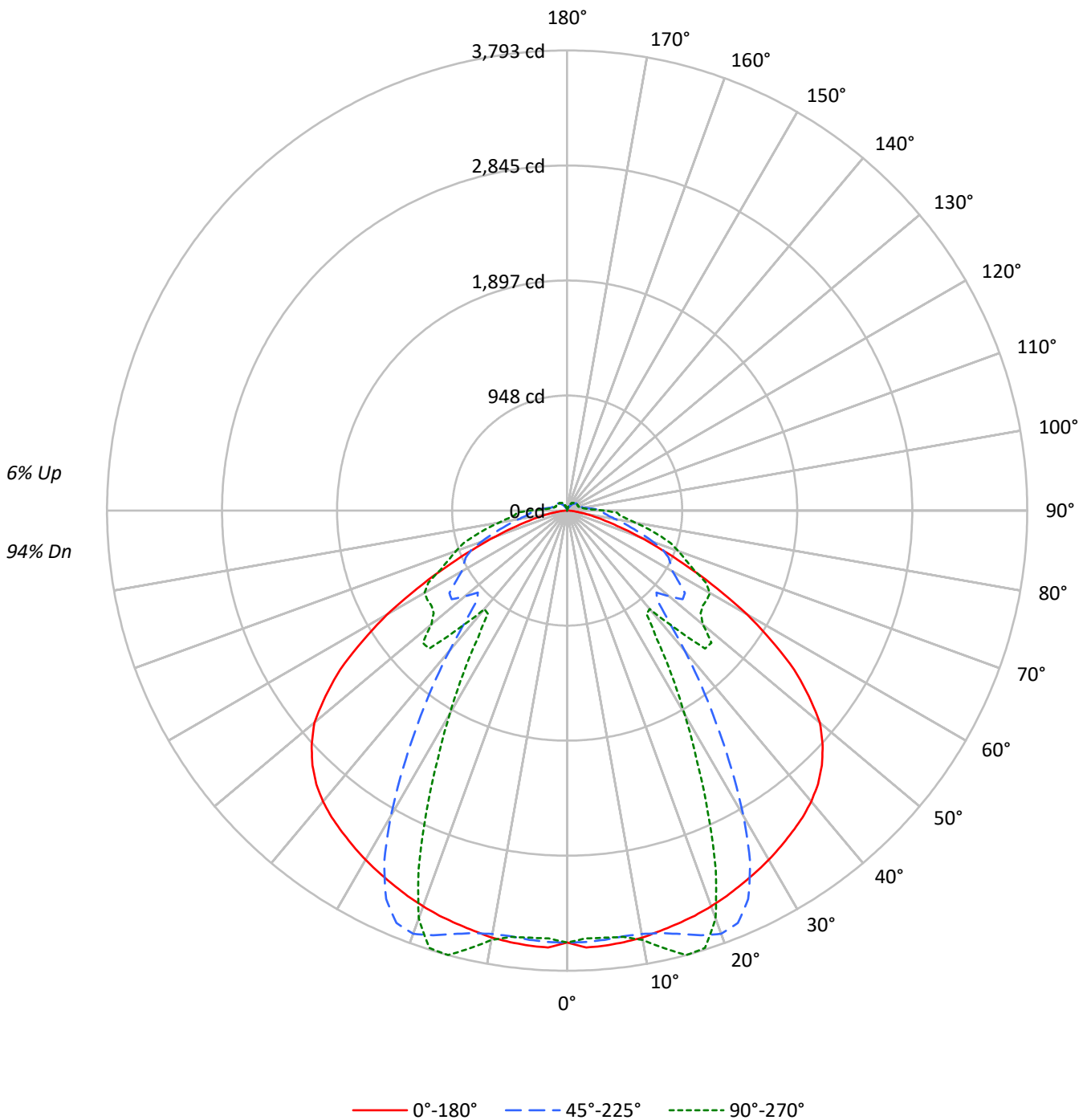
Lumens per Lamp: N/A
Luminaire Lumens: 9147.0 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 75
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°	14387	14387	14387
5°	14582	14064	13878
10°	14621	13863	13830
15°	14682	14071	14415
20°	14840	14502	13530
25°	15049	13950	10418
30°	15372	11695	7410
35°	15782	8866	5018
40°	16298	6451	4249
45°	16708	4686	6680
50°	16780	5195	6339
55°	15738	5987	6260
60°	13469	5487	6654
65°	10192	5544	6087
70°	7213	5059	5665
75°	4790	4251	5083
80°	3133	3656	4231
85°	1798	3496	3799



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.8	3.7
10°-20°	1023.0	11.2
20°-30°	1486.2	16.2
30°-40°	1419.9	15.5
40°-50°	1298.9	14.2
50°-60°	1199.3	13.1
60°-70°	952.6	10.4
70°-80°	588.0	6.4
80°-90°	320.2	3.5
90°-100°	161.8	1.8
100°-110°	101.7	1.1
110°-120°	86.1	0.9
120°-130°	70.4	0.8
130°-140°	50.5	0.6
140°-150°	31.1	0.3
150°-160°	14.8	0.2
160°-170°	3.8	0.0
170°-180°	0.0	0.0
0°-30°	2848.0	31.1
0°-40°	4267.9	46.7
0°-60°	6766.1	74.0
0°-90°	8626.8	94.3
90°-120°	349.6	3.8
90°-150°	501.6	5.5
90°-180°	520.0	5.7
0°-180°	9147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3561	3561	3561	3561	3561	
5°	3600	3545	3551	3532	3534	343
15°	3525	3477	3613	3747	3793	997
25°	3400	3466	3532	2990	2746	1571
35°	3234	3182	2145	1477	1285	2028
45°	2970	2071	1047	1335	1608	2282
55°	2284	1062	1185	1275	1365	2012
65°	1102	689	924	1122	1149	1114
75°	325	367	553	733	782	368
85°	46	156	314	427	434	58
90°	2	117	281	333	307	2
95°	0	109	194	172	162	0
105°	0	98	120	109	107	0
115°	0	80	115	102	98	1
125°	2	65	102	99	95	1
135°	2	46	82	90	87	1
145°	2	28	57	72	77	1
155°	3	17	35	46	55	1
165°	3	10	17	22	30	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3560.8	3560.8	3560.8	3560.8	3560.8
2.5°	3605.0	3553.0	3559.3	3548.2	3529.3
5°	3600.2	3545.1	3551.4	3532.5	3534.0
7.5°	3587.6	3530.9	3538.8	3535.6	3543.5
10°	3573.5	3513.6	3543.5	3570.3	3593.9
12.5°	3548.2	3494.6	3567.1	3646.0	3694.8
15°	3524.6	3477.3	3612.9	3746.8	3792.6
17.5°	3500.9	3471.0	3669.6	3786.2	3779.9
20°	3471.0	3467.8	3712.2	3672.8	3576.6
22.5°	3437.9	3469.4	3679.1	3390.6	3201.4
25°	3400.1	3466.3	3532.5	2990.2	2745.9
27.5°	3362.2	3452.1	3266.1	2552.0	2310.8
30°	3324.4	3414.2	2906.7	2151.6	1932.5
32.5°	3280.3	3332.3	2515.8	1797.0	1595.2
35°	3234.5	3182.5	2145.3	1477.0	1284.7
37.5°	3187.3	2966.6	1812.7	1196.4	1073.5
40°	3130.5	2695.5	1506.9	1026.2	1059.3
42.5°	3059.6	2389.7	1237.4	1076.6	1306.7
45°	2969.7	2071.2	1046.7	1335.1	1607.8
47.5°	2856.2	1765.4	999.4	1529.0	1614.1
50°	2719.1	1484.9	1098.7	1465.9	1459.6
52.5°	2511.0	1251.6	1199.6	1336.7	1387.1
55°	2284.0	1062.4	1185.4	1275.2	1365.1
57.5°	1997.2	934.7	1087.6	1262.6	1366.6
60°	1711.9	849.6	1004.1	1261.0	1358.8
62.5°	1396.6	772.4	961.5	1231.1	1289.4
65°	1101.8	688.8	923.7	1122.3	1149.1
67.5°	844.9	603.7	857.5	1000.9	1054.5
70°	636.8	520.2	753.5	907.9	974.1
72.5°	458.7	441.4	646.3	826.0	895.3
75°	324.7	367.3	553.3	733.0	781.8
77.5°	223.8	299.5	474.5	630.5	669.9
80°	146.6	239.6	403.5	542.2	569.0
82.5°	88.3	192.3	349.9	474.5	488.6
85°	45.7	156.1	313.7	427.2	433.5
87.5°	14.2	130.8	293.2	405.1	413.0
90°	1.6	116.6	280.6	332.6	307.4
92.5°	0.0	110.3	242.7	227.0	203.3
95°	0.0	108.8	193.9	171.8	162.4
97.5°	0.0	105.6	159.2	143.4	138.7
100°	0.0	102.5	137.1	126.1	124.5
102.5°	0.0	100.9	124.5	115.1	113.5
105°	0.0	97.7	119.8	108.8	107.2
107.5°	0.0	93.0	116.6	105.6	102.5
110°	0.0	88.3	116.6	104.0	99.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	83.5	116.6	102.5	97.7
115°	0.0	80.4	115.1	102.5	97.7
117.5°	1.6	77.2	113.5	102.5	97.7
120°	0.0	74.1	110.3	102.5	96.2
122.5°	1.6	69.4	107.2	100.9	96.2
125°	1.6	64.6	102.5	99.3	94.6
127.5°	1.6	59.9	97.7	96.2	91.4
130°	1.6	55.2	93.0	94.6	89.8
132.5°	1.6	50.4	86.7	91.4	88.3
135°	1.6	45.7	82.0	89.8	86.7
137.5°	1.6	41.0	75.7	85.1	85.1
140°	1.6	36.3	69.4	82.0	83.5
142.5°	1.6	33.1	63.1	78.8	80.4
145°	1.6	28.4	56.7	72.5	77.2
147.5°	1.6	25.2	50.4	66.2	72.5
150°	1.6	22.1	44.1	59.9	66.2
152.5°	1.6	18.9	39.4	52.0	61.5
155°	3.2	17.3	34.7	45.7	55.2
157.5°	3.2	14.2	28.4	39.4	47.3
160°	3.2	12.6	25.2	33.1	42.6
162.5°	3.2	11.0	20.5	28.4	36.3
165°	3.2	9.5	17.3	22.1	29.9
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)