

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-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-LD5-98SL-SLC-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

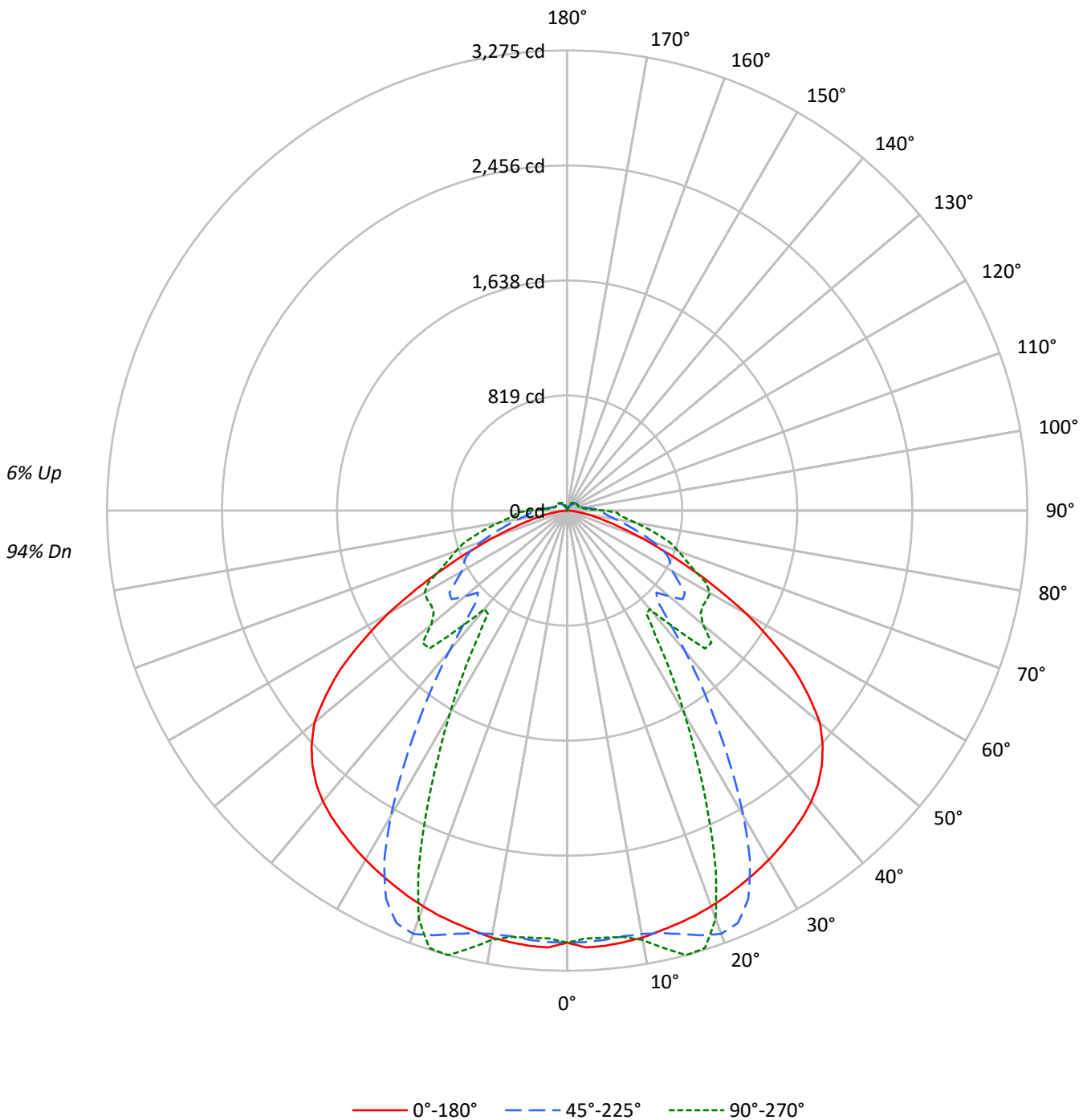
Lumens per Lamp: N/A
Luminaire Lumens: 7898.0 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 75
Input Voltage (V): NR
Input Current (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	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°	12423	12423	12423
5°	12591	12143	11983
10°	12625	11970	11942
15°	12677	12149	12446
20°	12814	12522	11683
25°	12994	12045	8996
30°	13273	10098	6398
35°	13627	7655	4333
40°	14072	5571	3669
45°	14427	4045	5768
50°	14488	4485	5474
55°	13590	5169	5405
60°	11630	4738	5745
65°	8801	4787	5255
70°	6229	4368	4892
75°	4136	3670	4390
80°	2706	3157	3654
85°	1554	3018	3280



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.5	3.7
10°-20°	883.4	11.2
20°-30°	1283.2	16.2
30°-40°	1226.1	15.5
40°-50°	1121.5	14.2
50°-60°	1035.5	13.1
60°-70°	822.5	10.4
70°-80°	507.7	6.4
80°-90°	276.4	3.5
90°-100°	139.7	1.8
100°-110°	87.8	1.1
110°-120°	74.4	0.9
120°-130°	60.7	0.8
130°-140°	43.6	0.6
140°-150°	26.9	0.3
150°-160°	12.8	0.2
160°-170°	3.3	0.0
170°-180°	0.0	0.0
0°-30°	2459.1	31.1
0°-40°	3685.1	46.7
0°-60°	5842.2	74.0
0°-90°	7448.8	94.3
90°-120°	301.9	3.8
90°-150°	433.1	5.5
90°-180°	449.0	5.7
0°-180°	7898.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3075	3075	3075	3075	3075	
5°	3109	3061	3066	3050	3052	296
15°	3043	3002	3120	3235	3275	861
25°	2936	2993	3050	2582	2371	1357
35°	2793	2748	1852	1275	1109	1751
45°	2564	1788	904	1153	1388	1971
55°	1972	917	1024	1101	1179	1737
65°	951	595	798	969	992	962
75°	280	317	478	633	675	318
85°	40	135	271	369	374	50
90°	1	101	242	287	265	2
95°	0	94	167	148	140	0
105°	0	84	103	94	93	0
115°	0	69	99	88	84	1
125°	1	56	88	86	82	1
135°	1	40	71	78	75	1
145°	1	24	49	63	67	1
155°	3	15	30	40	48	1
165°	3	8	15	19	26	1
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°	3074.6	3074.6	3074.6	3074.6	3074.6
2.5°	3112.7	3067.8	3073.3	3063.7	3047.4
5°	3108.6	3061.0	3066.4	3050.1	3051.5
7.5°	3097.8	3048.8	3055.6	3052.8	3059.6
10°	3085.5	3033.8	3059.6	3082.8	3103.2
12.5°	3063.7	3017.5	3080.1	3148.1	3190.3
15°	3043.3	3002.5	3119.5	3235.2	3274.7
17.5°	3022.9	2997.0	3168.5	3269.2	3263.8
20°	2997.0	2994.3	3205.3	3171.3	3088.2
22.5°	2968.5	2995.7	3176.7	2927.6	2764.3
25°	2935.8	2993.0	3050.1	2581.9	2371.0
27.5°	2903.1	2980.7	2820.1	2203.5	1995.3
30°	2870.5	2948.0	2509.8	1857.8	1668.6
32.5°	2832.3	2877.3	2172.2	1551.6	1377.4
35°	2792.9	2748.0	1852.4	1275.3	1109.3
37.5°	2752.0	2561.5	1565.2	1033.0	926.9
40°	2703.0	2327.4	1301.2	886.0	914.6
42.5°	2641.8	2063.4	1068.4	929.6	1128.3
45°	2564.2	1788.4	903.7	1152.8	1388.3
47.5°	2466.2	1524.4	862.9	1320.2	1393.7
50°	2347.8	1282.1	948.7	1265.8	1260.3
52.5°	2168.2	1080.7	1035.8	1154.2	1197.7
55°	1972.2	917.3	1023.5	1101.1	1178.7
57.5°	1724.5	807.1	939.1	1090.2	1180.0
60°	1478.1	733.6	867.0	1088.8	1173.2
62.5°	1205.9	666.9	830.2	1063.0	1113.3
65°	951.4	594.8	797.6	969.1	992.2
67.5°	729.5	521.3	740.4	864.3	910.5
70°	549.9	449.1	650.6	784.0	841.1
72.5°	396.1	381.1	558.0	713.2	773.1
75°	280.4	317.1	477.7	632.9	675.1
77.5°	193.3	258.6	409.7	544.4	578.4
80°	126.6	206.9	348.4	468.2	491.3
82.5°	76.2	166.0	302.2	409.7	421.9
85°	39.5	134.7	270.8	368.8	374.3
87.5°	12.2	113.0	253.2	349.8	356.6
90°	1.4	100.7	242.3	287.2	265.4
92.5°	0.0	95.3	209.6	196.0	175.6
95°	0.0	93.9	167.4	148.4	140.2
97.5°	0.0	91.2	137.5	123.9	119.8
100°	0.0	88.5	118.4	108.9	107.5
102.5°	0.0	87.1	107.5	99.4	98.0
105°	0.0	84.4	103.4	93.9	92.6
107.5°	0.0	80.3	100.7	91.2	88.5
110°	0.0	76.2	100.7	89.8	85.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	72.1	100.7	88.5	84.4
115°	0.0	69.4	99.4	88.5	84.4
117.5°	1.4	66.7	98.0	88.5	84.4
120°	0.0	64.0	95.3	88.5	83.0
122.5°	1.4	59.9	92.6	87.1	83.0
125°	1.4	55.8	88.5	85.7	81.7
127.5°	1.4	51.7	84.4	83.0	78.9
130°	1.4	47.6	80.3	81.7	77.6
132.5°	1.4	43.6	74.9	78.9	76.2
135°	1.4	39.5	70.8	77.6	74.9
137.5°	1.4	35.4	65.3	73.5	73.5
140°	1.4	31.3	59.9	70.8	72.1
142.5°	1.4	28.6	54.4	68.1	69.4
145°	1.4	24.5	49.0	62.6	66.7
147.5°	1.4	21.8	43.6	57.2	62.6
150°	1.4	19.1	38.1	51.7	57.2
152.5°	1.4	16.3	34.0	44.9	53.1
155°	2.7	15.0	29.9	39.5	47.6
157.5°	2.7	12.2	24.5	34.0	40.8
160°	2.7	10.9	21.8	28.6	36.7
162.5°	2.7	9.5	17.7	24.5	31.3
165°	2.7	8.2	15.0	19.1	25.9
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)