

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-LD5-106SL-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-LD5-106SL-SLN-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

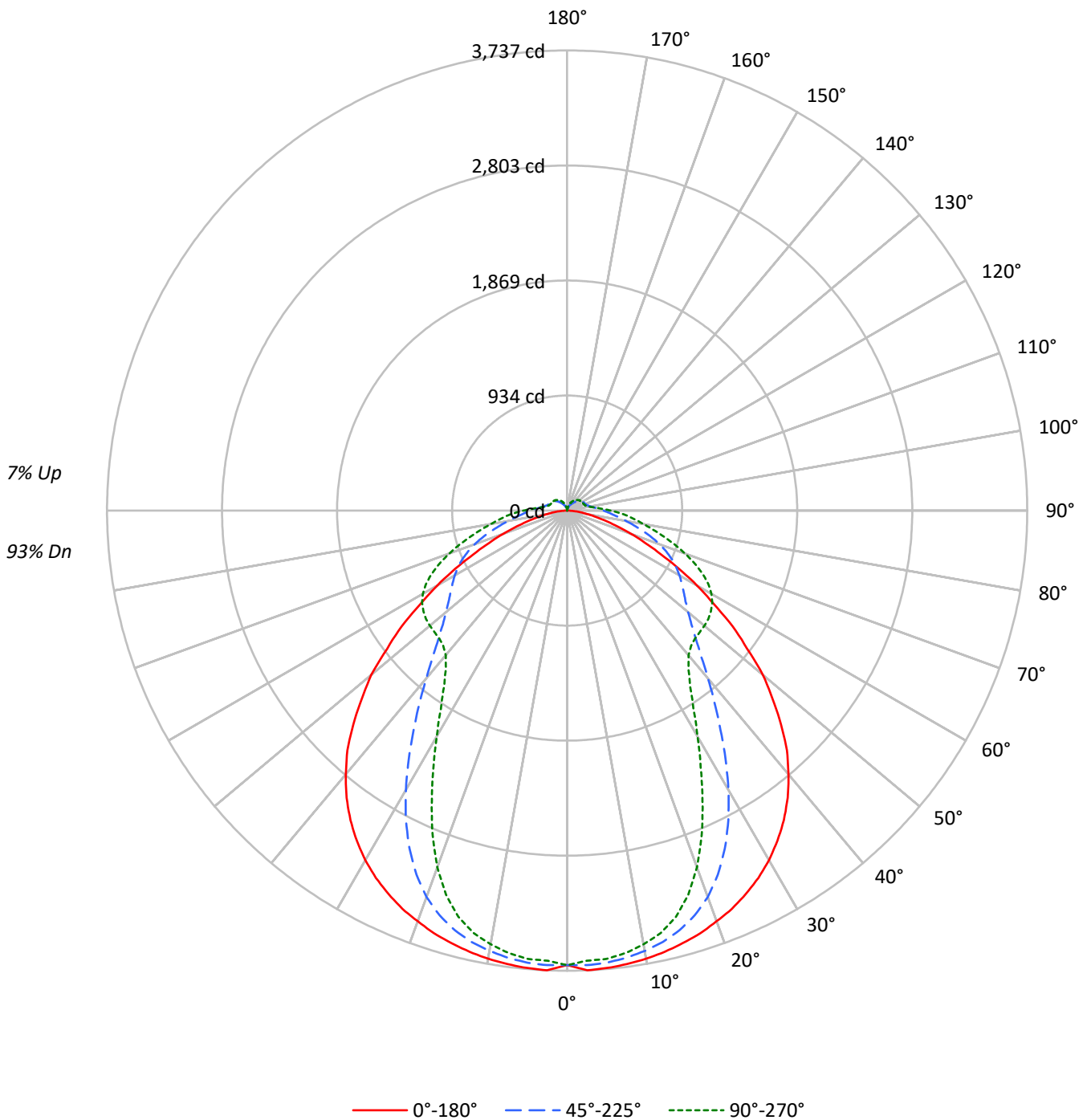
Lumens per Lamp: N/A
Luminaire Lumens: 9281.0 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 82
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°	14911	14911	14911
5°	15104	14596	14354
10°	15120	14206	13763
15°	15146	13742	12978
20°	15175	13046	11655
25°	15205	11965	9870
30°	15158	10538	8118
35°	14970	8974	6803
40°	14562	7608	6150
45°	13824	6620	6104
50°	12807	6059	6318
55°	11317	5832	6539
60°	9590	5758	6629
65°	7759	5641	6422
70°	6286	5362	5923
75°	4803	4867	5256
80°	3634	4389	4675
85°	2588	4164	4301



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.2	3.8
10°-20°	986.9	10.6
20°-30°	1379.5	14.9
30°-40°	1430.9	15.4
40°-50°	1322.0	14.2
50°-60°	1180.3	12.7
60°-70°	956.5	10.3
70°-80°	636.2	6.9
80°-90°	364.3	3.9
90°-100°	201.6	2.2
100°-110°	136.5	1.5
110°-120°	113.6	1.2
120°-130°	92.4	1.0
130°-140°	66.6	0.7
140°-150°	40.2	0.4
150°-160°	19.3	0.2
160°-170°	5.0	0.1
170°-180°	0.0	0.0
0°-30°	2715.6	29.3
0°-40°	4146.5	44.7
0°-60°	6648.8	71.6
0°-90°	8605.8	92.7
90°-120°	451.7	4.9
90°-150°	650.9	7.0
90°-180°	675.0	7.3
0°-180°	9281.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3690	3690	3690	3690	3690	
5°	3729	3666	3686	3660	3655	355
15°	3636	3559	3528	3448	3415	1027
25°	3436	3283	3030	2712	2602	1583
35°	3068	2731	2172	1824	1742	1914
45°	2457	1947	1479	1426	1469	1889
55°	1642	1241	1155	1342	1426	1460
65°	839	751	940	1152	1212	848
75°	326	407	634	776	808	357
85°	66	189	374	478	491	76
90°	3	133	295	356	353	5
95°	3	112	234	250	242	2
105°	2	98	168	164	156	2
115°	2	88	149	148	143	2
125°	2	75	132	138	135	2
135°	3	56	104	122	122	2
145°	3	35	72	95	101	2
155°	3	22	45	59	72	1
165°	3	13	22	29	38	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°	3690.5	3690.5	3690.5	3690.5	3690.5
2.5°	3737.0	3676.1	3695.3	3679.3	3658.4
5°	3729.0	3666.4	3685.7	3660.0	3655.2
7.5°	3714.6	3652.0	3663.2	3632.8	3624.7
10°	3695.3	3629.5	3631.2	3587.8	3576.6
12.5°	3669.6	3597.5	3587.8	3528.5	3512.5
15°	3636.0	3559.0	3528.5	3448.3	3414.6
17.5°	3599.1	3509.3	3446.7	3323.2	3270.3
20°	3549.4	3448.3	3339.3	3151.6	3081.0
22.5°	3499.6	3374.5	3199.7	2949.5	2854.9
25°	3435.5	3283.1	3029.7	2712.1	2601.5
27.5°	3363.3	3175.7	2834.0	2468.4	2349.7
30°	3278.3	3045.7	2619.1	2229.4	2117.1
32.5°	3178.9	2899.8	2393.0	2014.5	1910.2
35°	3068.2	2731.4	2171.6	1823.6	1741.8
37.5°	2941.5	2546.9	1966.3	1669.6	1616.7
40°	2797.1	2346.5	1777.1	1550.9	1533.3
42.5°	2641.6	2150.8	1615.1	1474.0	1490.0
45°	2457.1	1947.1	1478.8	1425.8	1469.1
47.5°	2263.1	1748.2	1368.1	1398.6	1461.1
50°	2075.4	1563.8	1281.5	1380.9	1454.7
52.5°	1842.8	1398.6	1212.5	1364.9	1445.1
55°	1642.4	1241.4	1154.8	1342.4	1425.8
57.5°	1411.4	1100.3	1103.5	1313.6	1397.0
60°	1218.9	971.9	1053.7	1273.5	1353.7
62.5°	1023.3	856.5	999.2	1220.5	1292.7
65°	838.8	750.6	939.9	1151.6	1212.5
67.5°	684.9	654.4	872.5	1068.2	1119.5
70°	554.9	566.2	798.7	975.2	1018.5
72.5°	426.6	484.4	718.5	875.7	912.6
75°	325.6	407.4	633.5	776.3	808.3
77.5°	240.6	340.0	556.5	686.5	713.7
80°	170.0	280.7	484.4	607.9	628.7
82.5°	113.9	231.0	425.0	537.3	556.5
85°	65.8	189.3	373.7	478.0	490.8
87.5°	27.3	157.2	332.0	417.0	423.4
90°	3.2	133.1	295.1	356.1	352.9
92.5°	3.2	120.3	263.0	298.3	290.3
95°	3.2	112.3	234.2	250.2	242.2
97.5°	3.2	107.5	208.5	214.9	206.9
100°	1.6	104.3	190.9	190.9	182.8
102.5°	1.6	101.0	178.0	173.2	166.8
105°	1.6	97.8	168.4	163.6	155.6
107.5°	1.6	96.2	162.0	157.2	149.2
110°	1.6	93.0	157.2	152.4	146.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	91.4	154.0	150.8	142.7
115°	1.6	88.2	149.2	147.6	142.7
117.5°	1.6	85.0	146.0	146.0	141.1
120°	1.6	81.8	141.1	144.3	139.5
122.5°	1.6	78.6	136.3	141.1	136.3
125°	1.6	75.4	131.5	137.9	134.7
127.5°	3.2	70.6	125.1	134.7	131.5
130°	1.6	65.8	118.7	131.5	129.9
132.5°	3.2	60.9	112.3	126.7	126.7
135°	3.2	56.1	104.3	121.9	121.9
137.5°	3.2	49.7	96.2	115.5	117.1
140°	3.2	44.9	88.2	109.1	112.3
142.5°	3.2	40.1	80.2	102.6	107.5
145°	3.2	35.3	72.2	94.6	101.0
147.5°	3.2	32.1	64.2	85.0	94.6
150°	3.2	27.3	57.7	77.0	86.6
152.5°	3.2	24.1	51.3	69.0	80.2
155°	3.2	22.5	44.9	59.3	72.2
157.5°	3.2	19.2	38.5	51.3	64.2
160°	3.2	16.0	32.1	44.9	54.5
162.5°	3.2	14.4	27.3	36.9	48.1
165°	3.2	12.8	22.5	28.9	38.5
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)