

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-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 (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-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

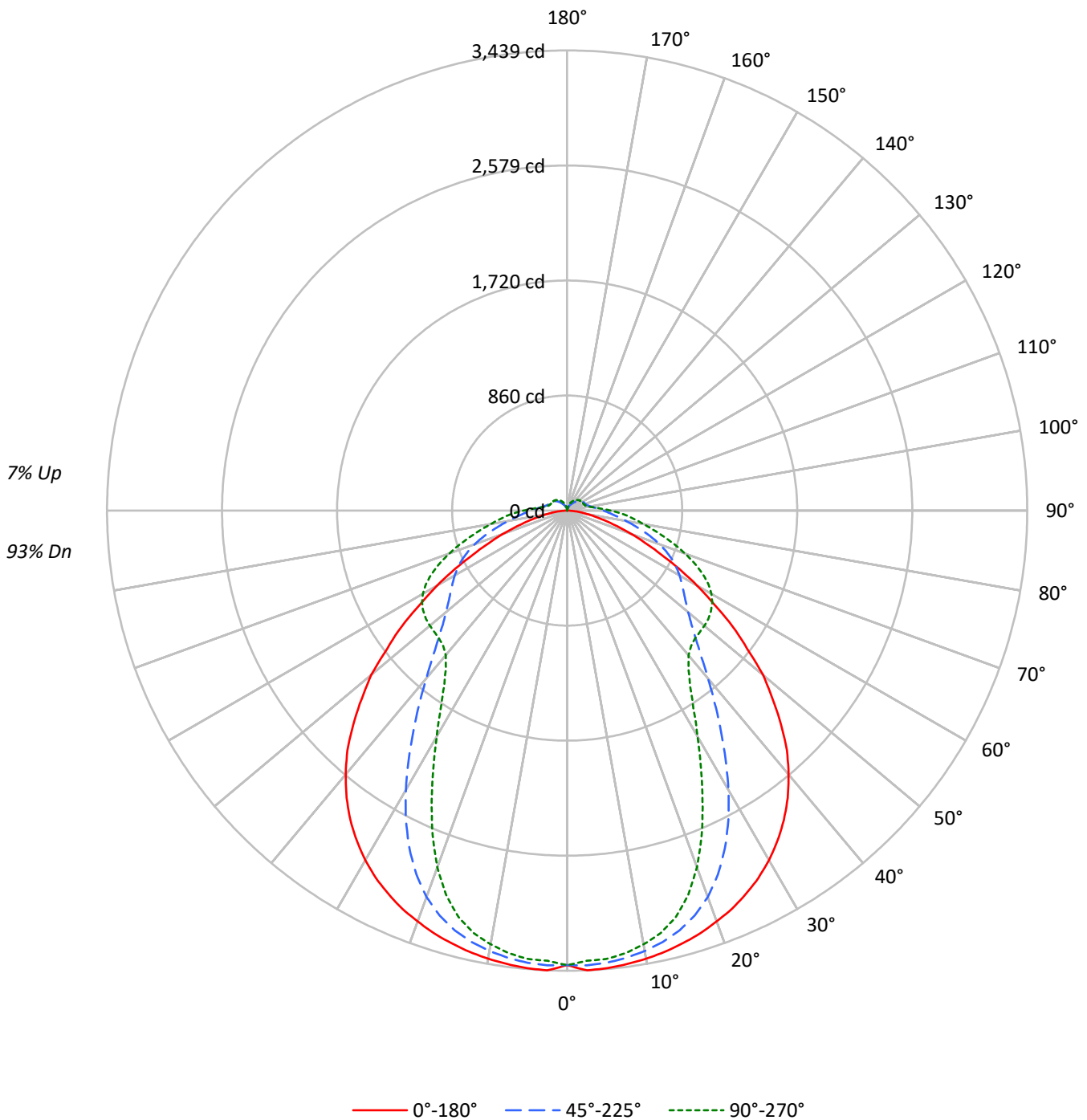
Lumens per Lamp: N/A
Luminaire Lumens: 8542.0 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-106SL-SLN-UNV-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-SLN-UNV-L930-CD1-U

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°	13724	13724	13724
5°	13901	13434	13211
10°	13916	13074	12667
15°	13940	12647	11945
20°	13967	12007	10727
25°	13994	11012	9084
30°	13952	9699	7472
35°	13778	8260	6262
40°	13403	7002	5660
45°	12724	6092	5618
50°	11787	5577	5815
55°	10416	5367	6018
60°	8827	5299	6101
65°	7142	5192	5911
70°	5786	4935	5452
75°	4421	4480	4838
80°	3345	4039	4304
85°	2380	3832	3958



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-SLN-UNV-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.4	3.8
10°-20°	908.3	10.6
20°-30°	1269.7	14.9
30°-40°	1317.0	15.4
40°-50°	1216.7	14.2
50°-60°	1086.3	12.7
60°-70°	880.3	10.3
70°-80°	585.5	6.9
80°-90°	335.3	3.9
90°-100°	185.5	2.2
100°-110°	125.6	1.5
110°-120°	104.6	1.2
120°-130°	85.0	1.0
130°-140°	61.3	0.7
140°-150°	37.0	0.4
150°-160°	17.8	0.2
160°-170°	4.6	0.1
170°-180°	0.0	0.0
0°-30°	2499.3	29.3
0°-40°	3816.4	44.7
0°-60°	6119.3	71.6
0°-90°	7920.6	92.7
90°-120°	415.7	4.9
90°-150°	599.1	7.0
90°-180°	621.0	7.3
0°-180°	8542.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3397	3397	3397	3397	3397	
5°	3432	3374	3392	3369	3364	326
15°	3346	3276	3248	3174	3143	946
25°	3162	3022	2788	2496	2394	1457
35°	2824	2514	1999	1678	1603	1762
45°	2262	1792	1361	1312	1352	1739
55°	1512	1142	1063	1236	1312	1344
65°	772	691	865	1060	1116	780
75°	300	375	583	714	744	329
85°	60	174	344	440	452	70
90°	3	122	272	328	325	5
95°	3	103	216	230	223	2
105°	2	90	155	151	143	2
115°	2	81	137	136	131	1
125°	2	69	121	127	124	2
135°	3	52	96	112	112	2
145°	3	32	66	87	93	2
155°	3	21	41	55	66	1
165°	3	12	21	27	35	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-SLN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3396.6	3396.6	3396.6	3396.6	3396.6
2.5°	3439.4	3383.4	3401.1	3386.3	3367.1
5°	3432.1	3374.5	3392.2	3368.6	3364.2
7.5°	3418.8	3361.2	3371.5	3343.5	3336.1
10°	3401.1	3340.5	3342.0	3302.2	3291.8
12.5°	3377.5	3311.0	3302.2	3247.5	3232.8
15°	3346.5	3275.6	3247.5	3173.7	3142.7
17.5°	3312.5	3229.8	3172.3	3058.6	3009.9
20°	3266.7	3173.7	3073.4	2900.7	2835.7
22.5°	3221.0	3105.8	2944.9	2714.7	2627.6
25°	3161.9	3021.7	2788.5	2496.2	2394.3
27.5°	3095.5	2922.8	2608.4	2271.8	2162.6
30°	3017.3	2803.2	2410.6	2051.9	1948.5
32.5°	2925.7	2668.9	2202.4	1854.1	1758.1
35°	2823.9	2513.9	1998.7	1678.4	1603.1
37.5°	2707.3	2344.1	1809.8	1536.7	1488.0
40°	2574.4	2159.6	1635.6	1427.4	1411.2
42.5°	2431.2	1979.5	1486.5	1356.6	1371.4
45°	2261.5	1792.1	1361.0	1312.3	1352.2
47.5°	2082.9	1609.0	1259.2	1287.2	1344.8
50°	1910.1	1439.3	1179.5	1271.0	1338.9
52.5°	1696.1	1287.2	1116.0	1256.2	1330.0
55°	1511.6	1142.5	1062.8	1235.5	1312.3
57.5°	1299.0	1012.6	1015.6	1209.0	1285.7
60°	1121.9	894.6	969.8	1172.1	1245.9
62.5°	941.8	788.3	919.6	1123.4	1189.8
65°	772.0	690.8	865.0	1059.9	1116.0
67.5°	630.3	602.3	803.0	983.1	1030.4
70°	510.8	521.1	735.1	897.5	937.4
72.5°	392.7	445.8	661.3	806.0	839.9
75°	299.7	374.9	583.1	714.5	744.0
77.5°	221.4	312.9	512.2	631.8	656.9
80°	156.5	258.3	445.8	559.5	578.7
82.5°	104.8	212.6	391.2	494.5	512.2
85°	60.5	174.2	343.9	439.9	451.7
87.5°	25.1	144.7	305.6	383.8	389.7
90°	3.0	122.5	271.6	327.7	324.8
92.5°	3.0	110.7	242.1	274.6	267.2
95°	3.0	103.3	215.5	230.3	222.9
97.5°	3.0	98.9	191.9	197.8	190.4
100°	1.5	96.0	175.7	175.7	168.3
102.5°	1.5	93.0	163.9	159.4	153.5
105°	1.5	90.0	155.0	150.6	143.2
107.5°	1.5	88.6	149.1	144.7	137.3
110°	1.5	85.6	144.7	140.2	134.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-SLN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	84.1	141.7	138.8	131.4
115°	1.5	81.2	137.3	135.8	131.4
117.5°	1.5	78.2	134.3	134.3	129.9
120°	1.5	75.3	129.9	132.9	128.4
122.5°	1.5	72.3	125.5	129.9	125.5
125°	1.5	69.4	121.0	126.9	124.0
127.5°	3.0	65.0	115.1	124.0	121.0
130°	1.5	60.5	109.2	121.0	119.6
132.5°	3.0	56.1	103.3	116.6	116.6
135°	3.0	51.7	96.0	112.2	112.2
137.5°	3.0	45.8	88.6	106.3	107.8
140°	3.0	41.3	81.2	100.4	103.3
142.5°	3.0	36.9	73.8	94.5	98.9
145°	3.0	32.5	66.4	87.1	93.0
147.5°	3.0	29.5	59.0	78.2	87.1
150°	3.0	25.1	53.1	70.9	79.7
152.5°	3.0	22.1	47.2	63.5	73.8
155°	3.0	20.7	41.3	54.6	66.4
157.5°	3.0	17.7	35.4	47.2	59.0
160°	3.0	14.8	29.5	41.3	50.2
162.5°	3.0	13.3	25.1	34.0	44.3
165°	3.0	11.8	20.7	26.6	35.4
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)