

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-LD5-105SL-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-LD5-105SL-SLC-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

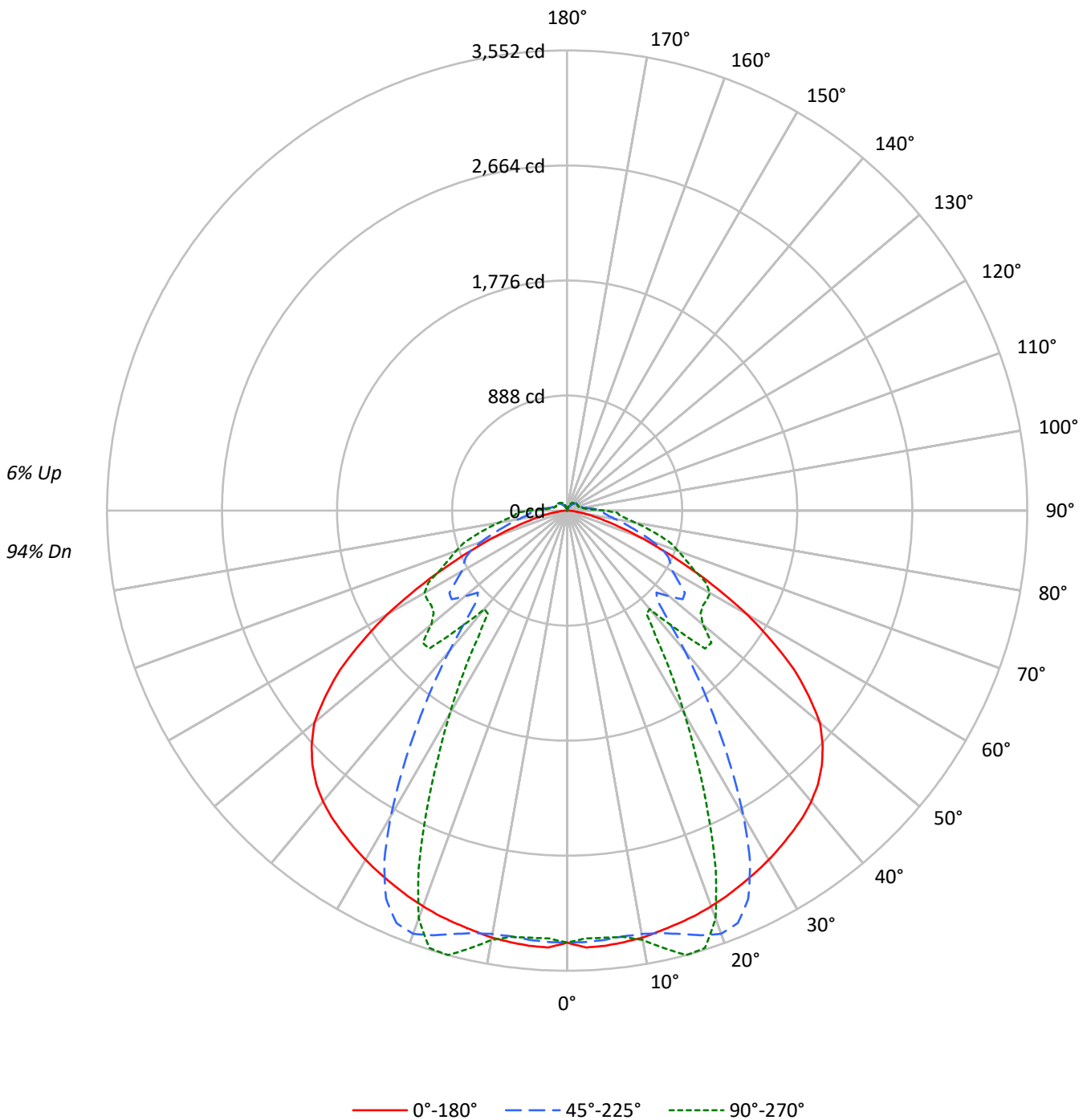
Lumens per Lamp: N/A  
Luminaire Lumens: 8566.0 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 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-LD5-105SL-SLC-UNV-L930-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-SLC-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	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°	13474	13474	13474
5°	13656	13171	12997
10°	13692	12982	12952
15°	13749	13177	13499
20°	13898	13581	12671
25°	14093	13064	9757
30°	14395	10952	6940
35°	14779	8303	4699
40°	15263	6042	3979
45°	15647	4388	6256
50°	15714	4865	5936
55°	14739	5606	5863
60°	12613	5138	6232
65°	9545	5192	5700
70°	6756	4737	5306
75°	4486	3981	4761
80°	2935	3424	3963
85°	1684	3274	3557



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-SLC-UNV-L930-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.2	3.7
10°-20°	958.1	11.2
20°-30°	1391.8	16.2
30°-40°	1329.8	15.5
40°-50°	1216.4	14.2
50°-60°	1123.1	13.1
60°-70°	892.1	10.4
70°-80°	550.6	6.4
80°-90°	299.8	3.5
90°-100°	151.5	1.8
100°-110°	95.2	1.1
110°-120°	80.7	0.9
120°-130°	65.9	0.8
130°-140°	47.3	0.6
140°-150°	29.1	0.3
150°-160°	13.8	0.2
160°-170°	3.6	0.0
170°-180°	0.0	0.0
0°-30°	2667.1	31.1
0°-40°	3996.8	46.7
0°-60°	6336.3	74.0
0°-90°	8078.9	94.3
90°-120°	327.5	3.8
90°-150°	469.7	5.5
90°-180°	487.0	5.7
0°-180°	8566.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3335	3335	3335	3335	3335	
5°	3372	3320	3326	3308	3310	321
15°	3301	3256	3383	3509	3552	934
25°	3184	3246	3308	2800	2572	1472
35°	3029	2980	2009	1383	1203	1899
45°	2781	1940	980	1250	1506	2137
55°	2139	995	1110	1194	1278	1884
65°	1032	645	865	1051	1076	1043
75°	304	344	518	686	732	345
85°	43	146	294	400	406	55
90°	2	109	263	312	288	2
95°	0	102	182	161	152	0
105°	0	92	112	102	100	0
115°	0	75	108	96	92	1
125°	2	60	96	93	89	1
135°	2	43	77	84	81	1
145°	2	27	53	68	72	1
155°	3	16	32	43	52	1
165°	3	9	16	21	28	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-SLC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3334.7	3334.7	3334.7	3334.7	3334.7
2.5°	3376.0	3327.3	3333.2	3322.9	3305.1
5°	3371.6	3319.9	3325.8	3308.1	3309.6
7.5°	3359.8	3306.6	3314.0	3311.0	3318.4
10°	3346.5	3290.4	3318.4	3343.5	3365.7
12.5°	3322.9	3272.7	3340.6	3414.4	3460.1
15°	3300.7	3256.4	3383.4	3508.8	3551.7
17.5°	3278.6	3250.5	3436.5	3545.8	3539.8
20°	3250.5	3247.6	3476.4	3439.5	3349.4
22.5°	3219.5	3249.0	3445.4	3175.2	2998.1
25°	3184.1	3246.1	3308.1	2800.3	2571.5
27.5°	3148.7	3232.8	3058.6	2389.9	2164.1
30°	3113.2	3197.4	2722.1	2015.0	1809.8
32.5°	3071.9	3120.6	2356.0	1682.8	1493.9
35°	3029.1	2980.4	2009.1	1383.2	1203.1
37.5°	2984.8	2778.1	1697.6	1120.4	1005.3
40°	2931.7	2524.2	1411.2	961.0	992.0
42.5°	2865.2	2237.9	1158.8	1008.2	1223.7
45°	2781.1	1939.7	980.2	1250.3	1505.7
47.5°	2674.8	1653.3	935.9	1431.9	1511.6
50°	2546.4	1390.5	1028.9	1372.8	1366.9
52.5°	2351.5	1172.1	1123.4	1251.8	1299.0
55°	2139.0	994.9	1110.1	1194.2	1278.4
57.5°	1870.3	875.4	1018.6	1182.4	1279.8
60°	1603.1	795.7	940.3	1180.9	1272.5
62.5°	1307.9	723.3	900.5	1152.9	1207.5
65°	1031.8	645.1	865.0	1051.0	1076.1
67.5°	791.2	565.4	803.0	937.4	987.6
70°	596.4	487.1	705.6	850.3	912.3
72.5°	429.6	413.3	605.2	773.5	838.5
75°	304.1	343.9	518.1	686.4	732.2
77.5°	209.6	280.5	444.3	590.5	627.4
80°	137.3	224.4	377.9	507.8	532.9
82.5°	82.7	180.1	327.7	444.3	457.6
85°	42.8	146.1	293.8	400.0	405.9
87.5°	13.3	122.5	274.6	379.4	386.8
90°	1.5	109.2	262.8	311.5	287.9
92.5°	0.0	103.3	227.3	212.6	190.4
95°	0.0	101.9	181.6	160.9	152.0
97.5°	0.0	98.9	149.1	134.3	129.9
100°	0.0	96.0	128.4	118.1	116.6
102.5°	0.0	94.5	116.6	107.8	106.3
105°	0.0	91.5	112.2	101.9	100.4
107.5°	0.0	87.1	109.2	98.9	96.0
110°	0.0	82.7	109.2	97.4	93.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-SLC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	78.2	109.2	96.0	91.5
115°	0.0	75.3	107.8	96.0	91.5
117.5°	1.5	72.3	106.3	96.0	91.5
120°	0.0	69.4	103.3	96.0	90.0
122.5°	1.5	65.0	100.4	94.5	90.0
125°	1.5	60.5	96.0	93.0	88.6
127.5°	1.5	56.1	91.5	90.0	85.6
130°	1.5	51.7	87.1	88.6	84.1
132.5°	1.5	47.2	81.2	85.6	82.7
135°	1.5	42.8	76.8	84.1	81.2
137.5°	1.5	38.4	70.9	79.7	79.7
140°	1.5	34.0	65.0	76.8	78.2
142.5°	1.5	31.0	59.0	73.8	75.3
145°	1.5	26.6	53.1	67.9	72.3
147.5°	1.5	23.6	47.2	62.0	67.9
150°	1.5	20.7	41.3	56.1	62.0
152.5°	1.5	17.7	36.9	48.7	57.6
155°	3.0	16.2	32.5	42.8	51.7
157.5°	3.0	13.3	26.6	36.9	44.3
160°	3.0	11.8	23.6	31.0	39.9
162.5°	3.0	10.3	19.2	26.6	34.0
165°	3.0	8.9	16.2	20.7	28.0
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)