

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-L935-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-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

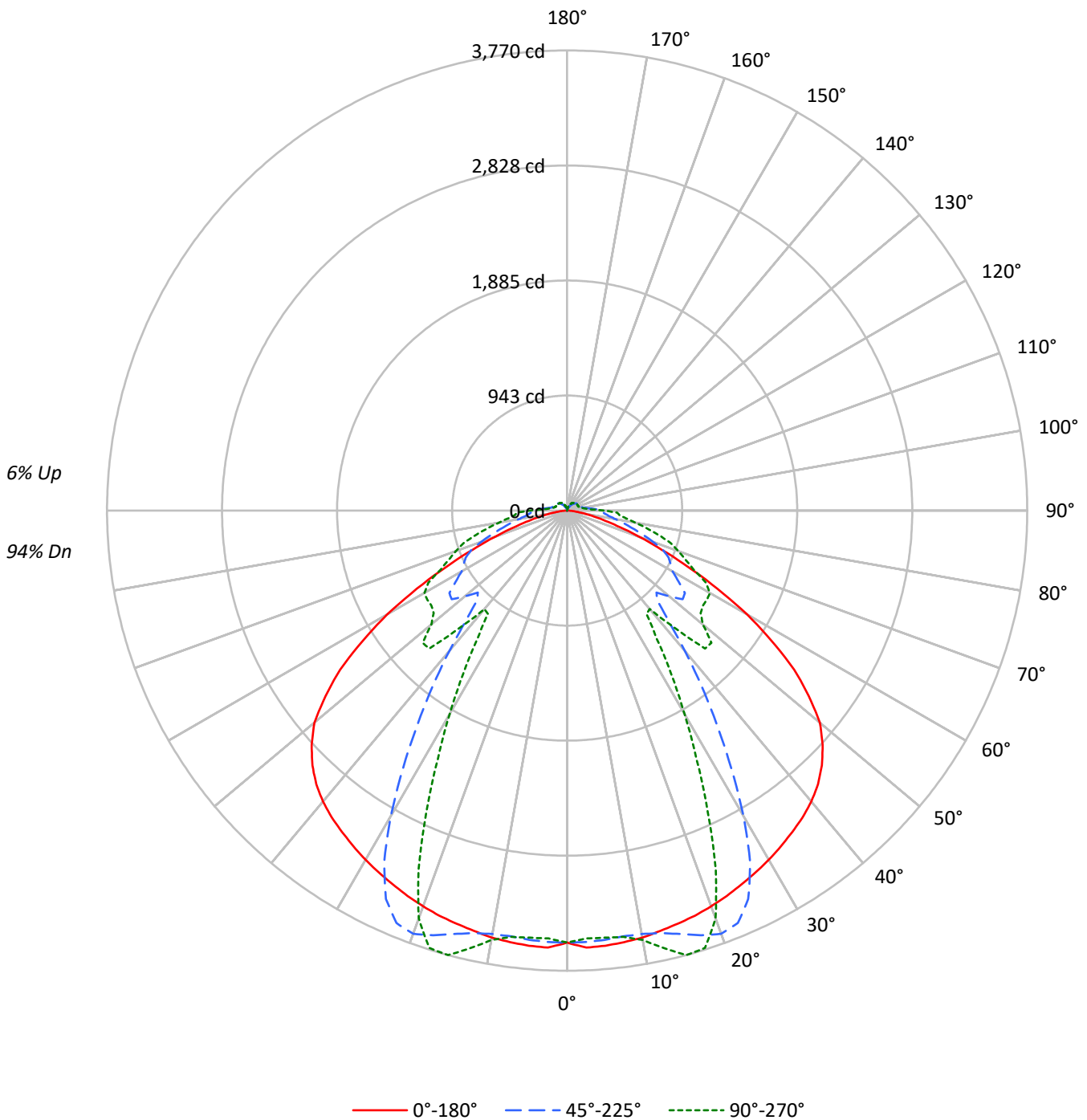
Lumens per Lamp: N/A  
Luminaire Lumens: 9091.9 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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



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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	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	64	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°	14301	14301	14301
5°	14495	13979	13795
10°	14533	13779	13747
15°	14594	13986	14328
20°	14751	14415	13449
25°	14958	13866	10356
30°	15279	11624	7366
35°	15687	8812	4988
40°	16200	6413	4223
45°	16608	4657	6639
50°	16679	5164	6301
55°	15644	5950	6223
60°	13388	5454	6614
65°	10131	5511	6050
70°	7170	5028	5631
75°	4762	4226	5053
80°	3114	3634	4206
85°	1786	3475	3776



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	336.7	3.7
10°-20°	1016.9	11.2
20°-30°	1477.2	16.2
30°-40°	1411.4	15.5
40°-50°	1291.0	14.2
50°-60°	1192.1	13.1
60°-70°	946.9	10.4
70°-80°	584.4	6.4
80°-90°	318.2	3.5
90°-100°	160.9	1.8
100°-110°	101.1	1.1
110°-120°	85.6	0.9
120°-130°	69.9	0.8
130°-140°	50.2	0.6
140°-150°	30.9	0.3
150°-160°	14.7	0.2
160°-170°	3.8	0.0
170°-180°	0.0	0.0
0°-30°	2830.8	31.1
0°-40°	4242.2	46.7
0°-60°	6725.4	74.0
0°-90°	8574.9	94.3
90°-120°	347.5	3.8
90°-150°	498.5	5.5
90°-180°	517.0	5.7
0°-180°	9091.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3539	3539	3539	3539	3539	
5°	3579	3524	3530	3511	3513	341
15°	3503	3456	3591	3724	3770	992
25°	3380	3445	3511	2972	2729	1562
35°	3215	3163	2132	1468	1277	2016
45°	2952	2059	1040	1327	1598	2269
55°	2270	1056	1178	1268	1357	2000
65°	1095	685	918	1116	1142	1108
75°	323	365	550	729	777	366
85°	45	155	312	425	431	58
90°	2	116	279	331	306	2
95°	0	108	193	171	161	0
105°	0	97	119	108	106	0
115°	0	80	114	102	97	1
125°	2	64	102	99	94	1
135°	2	45	82	89	86	1
145°	2	28	56	72	77	1
155°	3	17	34	45	55	1
165°	3	9	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°	3539.4	3539.4	3539.4	3539.4	3539.4
2.5°	3583.3	3531.6	3537.9	3526.9	3508.1
5°	3578.6	3523.8	3530.0	3511.2	3512.8
7.5°	3566.1	3509.7	3517.5	3514.4	3522.2
10°	3552.0	3492.4	3522.2	3548.8	3572.3
12.5°	3526.9	3473.6	3545.7	3624.0	3672.6
15°	3503.4	3456.4	3591.1	3724.3	3769.8
17.5°	3479.9	3450.1	3647.5	3763.5	3757.2
20°	3450.1	3447.0	3689.8	3650.7	3555.1
22.5°	3417.2	3448.6	3656.9	3370.2	3182.2
25°	3379.6	3445.4	3511.2	2972.2	2729.4
27.5°	3342.0	3431.3	3246.4	2536.7	2296.9
30°	3304.4	3393.7	2889.2	2138.7	1920.9
32.5°	3260.5	3312.2	2500.6	1786.2	1585.6
35°	3215.1	3163.4	2132.4	1468.1	1277.0
37.5°	3168.1	2948.7	1801.8	1189.2	1067.0
40°	3111.7	2679.2	1497.9	1020.0	1052.9
42.5°	3041.2	2375.3	1229.9	1070.1	1298.9
45°	2951.9	2058.8	1040.4	1327.1	1598.1
47.5°	2839.1	1754.8	993.4	1519.8	1604.4
50°	2702.8	1475.9	1092.1	1457.1	1450.9
52.5°	2495.9	1244.0	1192.3	1328.7	1378.8
55°	2270.3	1056.0	1178.2	1267.6	1356.9
57.5°	1985.2	929.1	1081.1	1255.0	1358.4
60°	1701.6	844.5	998.1	1253.4	1350.6
62.5°	1388.2	767.7	955.8	1223.7	1281.7
65°	1095.2	684.7	918.2	1115.6	1142.2
67.5°	839.8	600.1	852.3	994.9	1048.2
70°	633.0	517.0	748.9	902.5	968.3
72.5°	455.9	438.7	642.4	821.0	889.9
75°	322.8	365.1	550.0	728.6	777.1
77.5°	222.5	297.7	471.6	626.7	665.9
80°	145.7	238.2	401.1	539.0	565.6
82.5°	87.7	191.2	347.8	471.6	485.7
85°	45.4	155.1	311.8	424.6	430.9
87.5°	14.1	130.0	291.4	402.7	410.5
90°	1.6	115.9	278.9	330.6	305.5
92.5°	0.0	109.7	241.3	225.6	202.1
95°	0.0	108.1	192.7	170.8	161.4
97.5°	0.0	105.0	158.2	142.6	137.9
100°	0.0	101.8	136.3	125.3	123.8
102.5°	0.0	100.3	123.8	114.4	112.8
105°	0.0	97.1	119.1	108.1	106.5
107.5°	0.0	92.4	115.9	105.0	101.8
110°	0.0	87.7	115.9	103.4	98.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	83.0	115.9	101.8	97.1
115°	0.0	79.9	114.4	101.8	97.1
117.5°	1.6	76.8	112.8	101.8	97.1
120°	0.0	73.6	109.7	101.8	95.6
122.5°	1.6	68.9	106.5	100.3	95.6
125°	1.6	64.2	101.8	98.7	94.0
127.5°	1.6	59.5	97.1	95.6	90.9
130°	1.6	54.8	92.4	94.0	89.3
132.5°	1.6	50.1	86.2	90.9	87.7
135°	1.6	45.4	81.5	89.3	86.2
137.5°	1.6	40.7	75.2	84.6	84.6
140°	1.6	36.0	68.9	81.5	83.0
142.5°	1.6	32.9	62.7	78.3	79.9
145°	1.6	28.2	56.4	72.1	76.8
147.5°	1.6	25.1	50.1	65.8	72.1
150°	1.6	21.9	43.9	59.5	65.8
152.5°	1.6	18.8	39.2	51.7	61.1
155°	3.1	17.2	34.5	45.4	54.8
157.5°	3.1	14.1	28.2	39.2	47.0
160°	3.1	12.5	25.1	32.9	42.3
162.5°	3.1	11.0	20.4	28.2	36.0
165°	3.1	9.4	17.2	21.9	29.8
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)