

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-LD5-67SL-SLW-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 (P27403)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-67SL-SLW-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

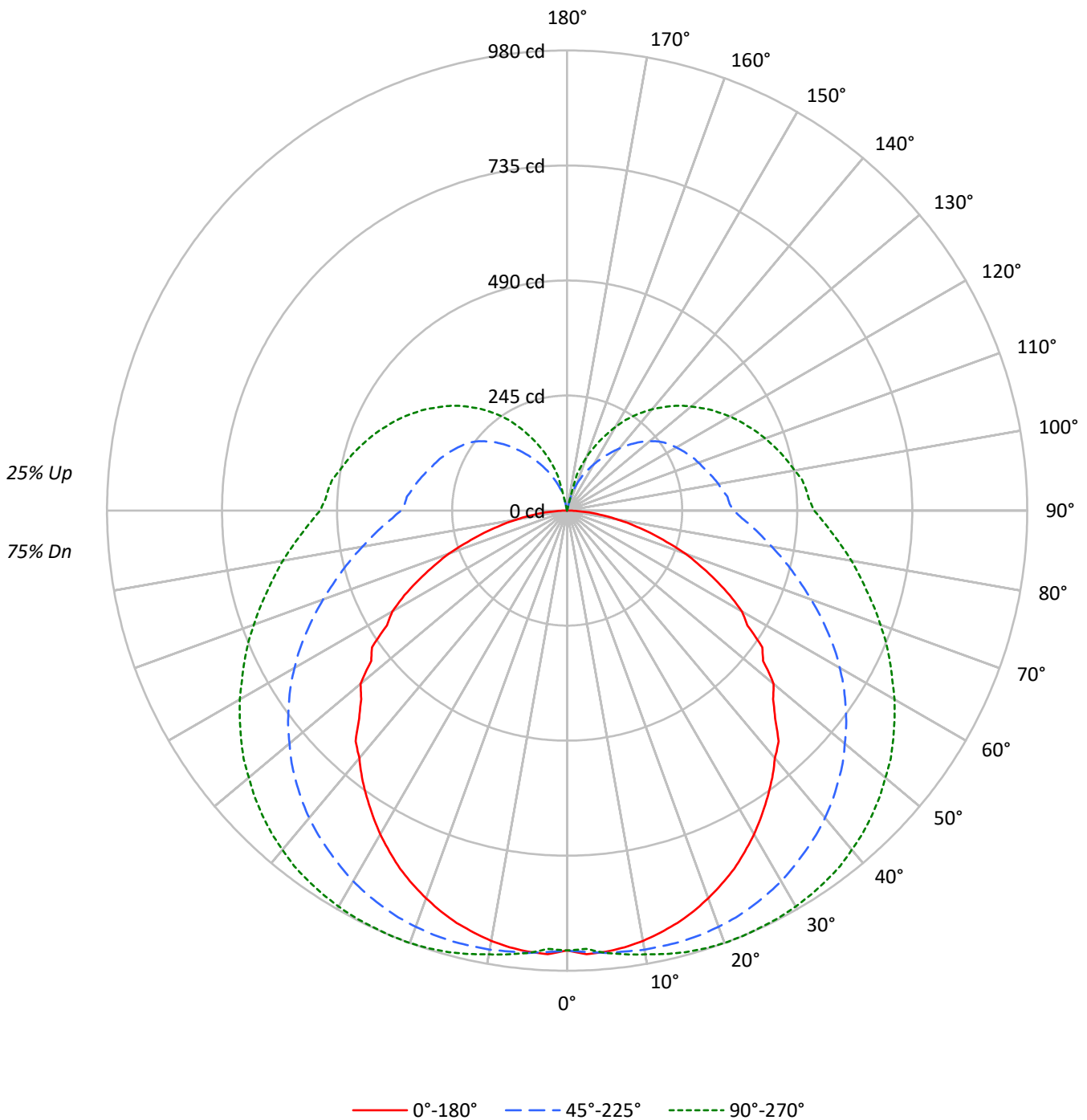
Lumens per Lamp: N/A  
Luminaire Lumens: 5395.0 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 55  
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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3786	3786	3786
5°	3820	3745	3714
10°	3807	3715	3693
15°	3787	3698	3700
20°	3756	3685	3707
25°	3726	3675	3713
30°	3681	3667	3733
35°	3631	3657	3758
40°	3584	3658	3783
45°	3524	3655	3813
50°	3544	3651	3843
55°	3494	3656	3889
60°	3382	3664	3942
65°	3214	3675	4015
70°	3030	3711	4129
75°	2694	3809	4295
80°	2330	4009	4573
85°	1845	4407	4976



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.1	1.7
10°-20°	266.9	4.9
20°-30°	424.2	7.9
30°-40°	544.4	10.1
40°-50°	614.8	11.4
50°-60°	627.3	11.6
60°-70°	581.1	10.8
70°-80°	492.0	9.1
80°-90°	392.8	7.3
90°-100°	333.5	6.2
100°-110°	297.1	5.5
110°-120°	253.1	4.7
120°-130°	201.0	3.7
130°-140°	142.6	2.6
140°-150°	85.1	1.6
150°-160°	39.7	0.7
160°-170°	9.4	0.2
170°-180°	0.0	0.0
0°-30°	781.1	14.5
0°-40°	1325.5	24.6
0°-60°	2567.6	47.6
0°-90°	4033.5	74.8
90°-120°	883.7	16.4
90°-150°	1312.4	24.3
90°-180°	1362.0	25.2
0°-180°	5395.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	937	937	937	937	937	
5°	943	936	946	946	946	90
15°	909	917	950	967	974	256
25°	842	870	930	964	979	388
35°	744	799	885	939	962	466
45°	626	711	816	887	918	486
55°	507	592	724	813	848	445
65°	347	463	612	718	758	345
75°	183	323	496	617	660	194
85°	47	208	396	524	568	51
90°	2	170	354	482	526	4
95°	0	160	342	468	511	0
105°	0	147	312	430	472	0
115°	0	137	284	387	425	0
125°	0	118	252	341	374	0
135°	0	88	203	288	314	0
145°	0	57	142	216	246	1
155°	1	36	88	132	164	1
165°	1	19	39	54	77	0
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°	936.9	936.9	936.9	936.9	936.9
2.5°	945.7	935.6	940.7	939.4	934.3
5°	943.2	935.6	945.7	945.7	945.7
7.5°	938.1	933.1	947.0	952.1	953.3
10°	930.5	930.5	949.5	957.1	959.7
12.5°	920.4	924.2	949.5	960.9	967.3
15°	909.0	916.6	949.5	967.3	973.6
17.5°	895.0	907.7	947.0	968.6	977.4
20°	878.5	897.6	943.2	968.6	980.0
22.5°	860.8	884.9	938.1	966.0	980.0
25°	841.8	869.7	930.5	963.5	978.7
27.5°	819.0	854.5	921.6	959.7	977.4
30°	796.1	836.7	911.5	954.6	973.6
32.5°	770.8	817.7	898.8	947.0	968.6
35°	744.2	798.7	884.9	939.4	962.2
37.5°	717.5	775.9	870.9	929.3	954.6
40°	688.4	753.0	854.5	916.6	943.2
42.5°	666.8	728.9	836.7	903.9	931.8
45°	626.3	711.2	816.4	887.4	917.8
47.5°	594.6	677.0	796.1	870.9	902.6
50°	574.3	649.1	772.1	851.9	884.9
52.5°	526.1	630.1	749.2	832.9	868.4
55°	507.1	592.0	723.9	812.6	848.1
57.5°	455.1	565.4	698.5	789.8	826.6
60°	429.8	528.6	670.6	767.0	805.0
62.5°	390.5	497.0	642.7	741.6	780.9
65°	347.4	462.7	612.3	717.5	758.1
67.5°	306.8	428.5	583.2	692.2	735.3
70°	267.5	393.0	552.7	666.8	709.9
72.5°	221.9	357.5	523.6	642.7	685.8
75°	182.6	323.3	495.7	617.4	660.5
77.5°	144.5	290.3	469.1	594.6	637.7
80°	109.0	258.6	442.4	570.5	614.9
82.5°	76.1	232.0	418.4	547.7	590.8
85°	46.9	207.9	395.5	523.6	567.9
87.5°	21.6	186.4	372.7	500.8	546.4
90°	2.5	169.9	353.7	481.7	526.1
92.5°	1.3	164.8	346.1	472.9	516.0
95°	0.0	159.7	342.3	467.8	510.9
97.5°	0.0	154.7	333.4	460.2	504.6
100°	0.0	152.1	327.1	448.8	491.9
102.5°	0.0	148.3	319.5	438.6	481.7
105°	0.0	147.1	311.9	429.8	471.6
107.5°	0.0	144.5	304.3	418.4	460.2
110°	0.0	142.0	297.9	408.2	448.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	139.5	291.6	398.1	437.4
115°	0.0	136.9	284.0	386.7	424.7
117.5°	0.0	133.1	276.4	375.3	413.3
120°	0.0	128.0	268.8	365.1	400.6
122.5°	0.0	123.0	261.2	352.4	386.7
125°	0.0	117.9	252.3	341.0	374.0
127.5°	0.0	110.3	242.1	328.3	358.8
130°	0.0	102.7	229.5	315.7	344.8
132.5°	1.3	95.1	216.8	301.7	330.9
135°	0.0	87.5	202.8	287.8	314.4
137.5°	0.0	81.1	187.6	272.6	297.9
140°	0.0	73.5	172.4	254.8	281.4
142.5°	0.0	64.7	157.2	235.8	263.7
145°	0.0	57.0	142.0	215.5	245.9
147.5°	1.3	50.7	128.0	194.0	226.9
150°	1.3	45.6	114.1	172.4	205.4
152.5°	1.3	40.6	100.2	152.1	183.8
155°	1.3	35.5	87.5	131.8	163.5
157.5°	1.3	30.4	73.5	111.6	142.0
160°	1.3	26.6	60.9	93.8	121.7
162.5°	1.3	22.8	49.4	73.5	100.2
165°	1.3	19.0	39.3	54.5	77.3
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)