

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-LD5-90SL-SLC-UNV-L835-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-LD5-90SL-SLC-UNV-L835-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

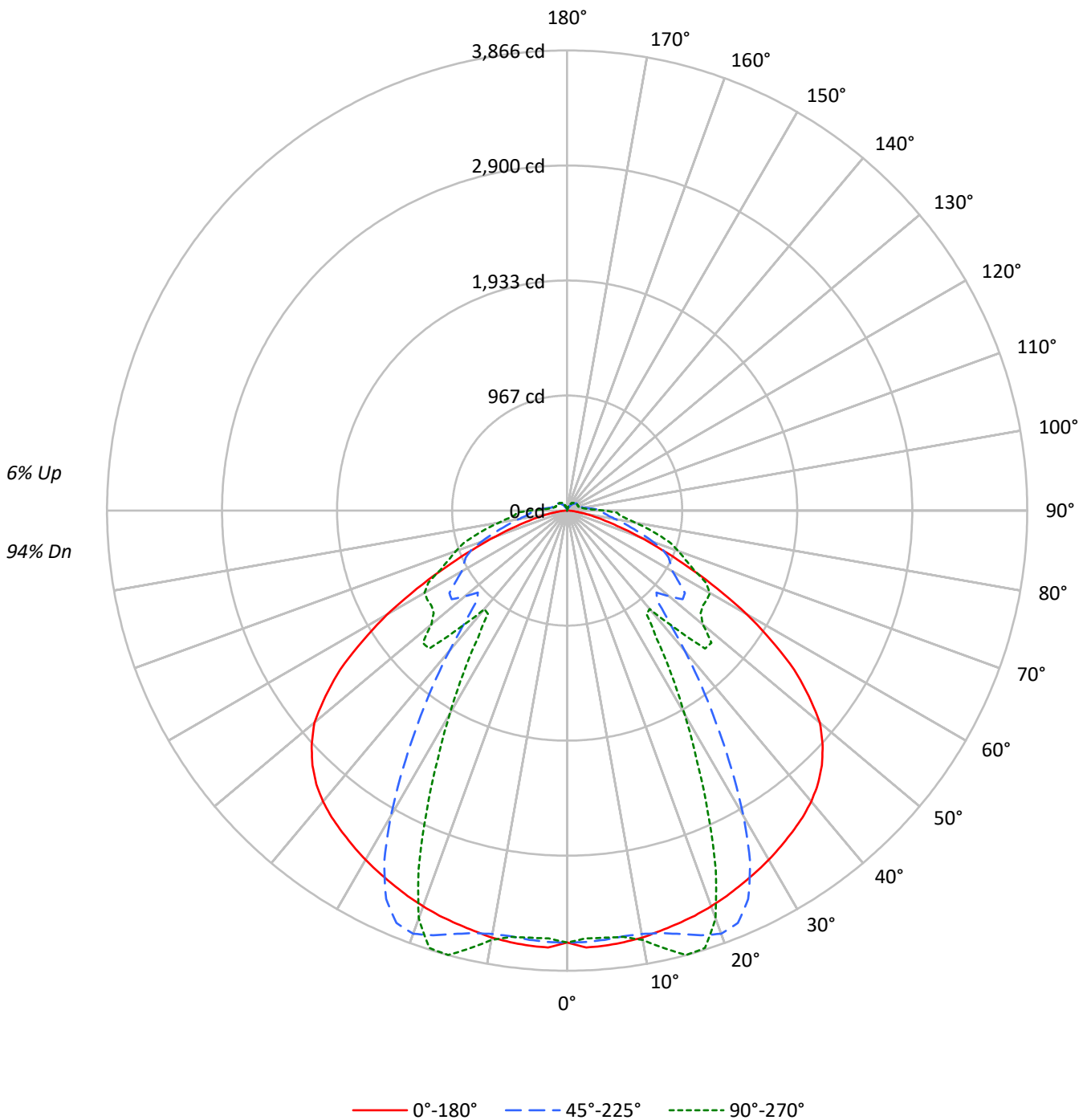
Lumens per Lamp: N/A  
Luminaire Lumens: 9323.0 lumens  
Efficiency: N/A  
Efficacy: 135.1 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 69  
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	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°	14665	14665	14665
5°	14863	14335	14145
10°	14902	14129	14096
15°	14965	14341	14692
20°	15126	14781	13790
25°	15338	14218	10619
30°	15668	11920	7553
35°	16086	9036	5114
40°	16612	6576	4330
45°	17030	4776	6809
50°	17102	5294	6461
55°	16041	6102	6380
60°	13728	5592	6782
65°	10389	5651	6204
70°	7353	5156	5774
75°	4883	4333	5182
80°	3193	3727	4313
85°	1833	3563	3871



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	345.3	3.7
10°-20°	1042.7	11.2
20°-30°	1514.8	16.2
30°-40°	1447.3	15.5
40°-50°	1323.8	14.2
50°-60°	1222.4	13.1
60°-70°	970.9	10.4
70°-80°	599.3	6.4
80°-90°	326.3	3.5
90°-100°	164.9	1.8
100°-110°	103.6	1.1
110°-120°	87.8	0.9
120°-130°	71.7	0.8
130°-140°	51.4	0.6
140°-150°	31.7	0.3
150°-160°	15.1	0.2
160°-170°	3.9	0.0
170°-180°	0.0	0.0
0°-30°	2902.8	31.1
0°-40°	4350.0	46.7
0°-60°	6896.2	74.0
0°-90°	8792.8	94.3
90°-120°	356.4	3.8
90°-150°	511.2	5.5
90°-180°	530.0	5.7
0°-180°	9323.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3629	3629	3629	3629	3629	
5°	3670	3613	3620	3600	3602	349
15°	3592	3544	3682	3819	3866	1017
25°	3466	3533	3600	3048	2799	1602
35°	3297	3244	2187	1505	1309	2067
45°	3027	2111	1067	1361	1639	2326
55°	2328	1083	1208	1300	1391	2050
65°	1123	702	942	1144	1171	1136
75°	331	374	564	747	797	375
85°	47	159	320	435	442	59
90°	2	119	286	339	313	2
95°	0	111	198	175	166	0
105°	0	100	122	111	109	0
115°	0	82	117	104	100	1
125°	2	66	104	101	96	1
135°	2	47	84	92	88	1
145°	2	29	58	74	79	1
155°	3	18	35	47	56	1
165°	3	10	18	22	30	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3629.4	3629.4	3629.4	3629.4	3629.4
2.5°	3674.3	3621.3	3627.7	3616.5	3597.2
5°	3669.5	3613.3	3619.7	3600.4	3602.0
7.5°	3656.7	3598.8	3606.9	3603.6	3611.7
10°	3642.2	3581.2	3611.7	3639.0	3663.1
12.5°	3616.5	3561.9	3635.8	3716.1	3765.9
15°	3592.4	3544.2	3682.4	3818.9	3865.5
17.5°	3568.3	3537.8	3740.2	3859.1	3852.7
20°	3537.8	3534.6	3783.6	3743.4	3645.4
22.5°	3504.0	3536.2	3749.9	3455.8	3263.0
25°	3465.5	3533.0	3600.4	3047.8	2798.7
27.5°	3426.9	3518.5	3328.9	2601.1	2355.3
30°	3388.4	3479.9	2962.6	2193.0	1969.7
32.5°	3343.4	3396.4	2564.2	1831.5	1625.9
35°	3296.8	3243.8	2186.6	1505.4	1309.4
37.5°	3248.6	3023.7	1847.6	1219.4	1094.1
40°	3190.7	2747.3	1535.9	1045.9	1079.6
42.5°	3118.4	2435.6	1261.2	1097.3	1331.9
45°	3026.9	2111.1	1066.8	1360.8	1638.8
47.5°	2911.2	1799.4	1018.6	1558.4	1645.2
50°	2771.4	1513.4	1119.8	1494.2	1487.7
52.5°	2559.3	1275.7	1222.6	1362.4	1413.8
55°	2328.0	1082.9	1208.2	1299.8	1391.3
57.5°	2035.6	952.7	1108.6	1286.9	1392.9
60°	1744.8	866.0	1023.4	1285.3	1384.9
62.5°	1423.5	787.2	980.0	1254.8	1314.2
65°	1123.0	702.1	941.5	1143.9	1171.2
67.5°	861.1	615.3	874.0	1020.2	1074.8
70°	649.1	530.2	768.0	925.4	992.9
72.5°	467.5	449.9	658.7	841.9	912.6
75°	331.0	374.3	563.9	747.1	796.9
77.5°	228.1	305.3	483.6	642.6	682.8
80°	149.4	244.2	411.3	552.7	580.0
82.5°	90.0	196.0	356.7	483.6	498.1
85°	46.6	159.1	319.7	435.4	441.8
87.5°	14.5	133.3	298.8	412.9	420.9
90°	1.6	118.9	286.0	339.0	313.3
92.5°	0.0	112.5	247.4	231.4	207.3
95°	0.0	110.9	197.6	175.1	165.5
97.5°	0.0	107.6	162.3	146.2	141.4
100°	0.0	104.4	139.8	128.5	126.9
102.5°	0.0	102.8	126.9	117.3	115.7
105°	0.0	99.6	122.1	110.9	109.3
107.5°	0.0	94.8	118.9	107.6	104.4
110°	0.0	90.0	118.9	106.0	101.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	85.2	118.9	104.4	99.6
115°	0.0	81.9	117.3	104.4	99.6
117.5°	1.6	78.7	115.7	104.4	99.6
120°	0.0	75.5	112.5	104.4	98.0
122.5°	1.6	70.7	109.3	102.8	98.0
125°	1.6	65.9	104.4	101.2	96.4
127.5°	1.6	61.1	99.6	98.0	93.2
130°	1.6	56.2	94.8	96.4	91.6
132.5°	1.6	51.4	88.4	93.2	90.0
135°	1.6	46.6	83.5	91.6	88.4
137.5°	1.6	41.8	77.1	86.8	86.8
140°	1.6	37.0	70.7	83.5	85.2
142.5°	1.6	33.7	64.3	80.3	81.9
145°	1.6	28.9	57.8	73.9	78.7
147.5°	1.6	25.7	51.4	67.5	73.9
150°	1.6	22.5	45.0	61.1	67.5
152.5°	1.6	19.3	40.2	53.0	62.7
155°	3.2	17.7	35.3	46.6	56.2
157.5°	3.2	14.5	28.9	40.2	48.2
160°	3.2	12.9	25.7	33.7	43.4
162.5°	3.2	11.2	20.9	28.9	37.0
165°	3.2	9.6	17.7	22.5	30.5
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)