

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-L950-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-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

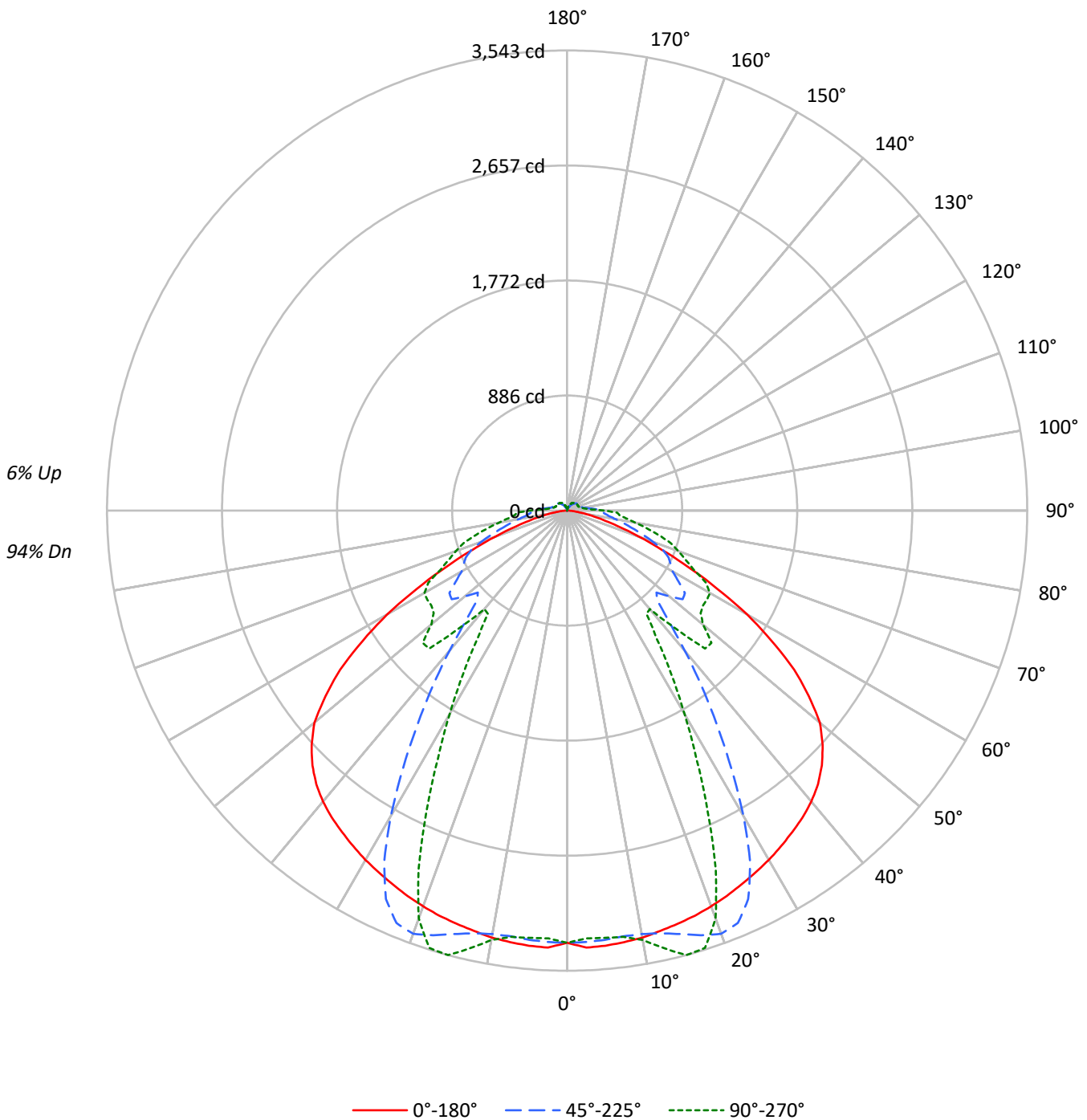
Lumens per Lamp: N/A  
Luminaire Lumens: 8545.0 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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°	13441	13441	13441
5°	13623	13139	12965
10°	13659	12950	12920
15°	13716	13144	13466
20°	13864	13548	12640
25°	14058	13032	9733
30°	14360	10925	6923
35°	14743	8282	4687
40°	15226	6027	3969
45°	15609	4377	6240
50°	15675	4853	5922
55°	14703	5593	5848
60°	12583	5126	6216
65°	9522	5179	5686
70°	6739	4726	5292
75°	4474	3972	4749
80°	2926	3416	3953
85°	1680	3265	3549



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.5	3.7
10°-20°	955.7	11.2
20°-30°	1388.3	16.2
30°-40°	1326.5	15.5
40°-50°	1213.4	14.2
50°-60°	1120.4	13.1
60°-70°	889.9	10.4
70°-80°	549.3	6.4
80°-90°	299.1	3.5
90°-100°	151.2	1.8
100°-110°	95.0	1.1
110°-120°	80.5	0.9
120°-130°	65.7	0.8
130°-140°	47.2	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°	2660.5	31.1
0°-40°	3987.0	46.7
0°-60°	6320.8	74.0
0°-90°	8059.1	94.3
90°-120°	326.6	3.8
90°-150°	468.6	5.5
90°-180°	486.0	5.7
0°-180°	8545.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3326	3326	3326	3326	3326	
5°	3363	3312	3318	3300	3302	320
15°	3293	3248	3375	3500	3543	932
25°	3176	3238	3300	2793	2565	1468
35°	3022	2973	2004	1380	1200	1895
45°	2774	1935	978	1247	1502	2132
55°	2134	992	1107	1191	1275	1879
65°	1029	644	863	1048	1074	1041
75°	303	343	517	685	730	344
85°	43	146	293	399	405	54
90°	2	109	262	311	287	2
95°	0	102	181	160	152	0
105°	0	91	112	102	100	0
115°	0	75	108	96	91	1
125°	2	60	96	93	88	1
135°	2	43	77	84	81	1
145°	2	26	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-LD5-90SL-SLC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3326.5	3326.5	3326.5	3326.5	3326.5
2.5°	3367.7	3319.1	3325.0	3314.7	3297.0
5°	3363.3	3311.8	3317.7	3300.0	3301.5
7.5°	3351.5	3298.5	3305.9	3302.9	3310.3
10°	3338.3	3282.3	3310.3	3335.3	3357.4
12.5°	3314.7	3264.6	3332.4	3406.0	3451.7
15°	3292.6	3248.4	3375.1	3500.2	3543.0
17.5°	3270.5	3242.6	3428.1	3537.1	3531.2
20°	3242.6	3239.6	3467.9	3431.0	3341.2
22.5°	3211.6	3241.1	3436.9	3167.5	2990.7
25°	3176.3	3238.1	3300.0	2793.4	2565.2
27.5°	3140.9	3224.9	3051.1	2384.1	2158.8
30°	3105.6	3189.5	2715.4	2010.0	1805.3
32.5°	3064.4	3113.0	2350.2	1678.7	1490.2
35°	3021.7	2973.1	2004.1	1379.8	1200.1
37.5°	2977.5	2771.3	1693.4	1117.7	1002.8
40°	2924.5	2518.1	1407.8	958.6	989.6
42.5°	2858.2	2232.4	1156.0	1005.8	1220.7
45°	2774.3	1934.9	977.8	1247.2	1502.0
47.5°	2668.3	1649.3	933.6	1428.4	1507.9
50°	2540.1	1387.1	1026.4	1369.5	1363.6
52.5°	2345.8	1169.2	1120.6	1248.7	1295.8
55°	2133.7	992.5	1107.4	1191.3	1275.2
57.5°	1865.7	873.2	1016.1	1179.5	1276.7
60°	1599.2	793.7	938.0	1178.0	1269.3
62.5°	1304.7	721.5	898.3	1150.1	1204.5
65°	1029.3	643.5	862.9	1048.5	1073.5
67.5°	789.3	564.0	801.1	935.1	985.1
70°	594.9	485.9	703.9	848.2	910.0
72.5°	428.5	412.3	603.7	771.6	836.4
75°	303.3	343.1	516.9	684.7	730.4
77.5°	209.1	279.8	443.2	589.0	625.8
80°	136.9	223.8	377.0	506.6	531.6
82.5°	82.5	179.7	326.9	443.2	456.5
85°	42.7	145.8	293.0	399.1	405.0
87.5°	13.3	122.2	273.9	378.4	385.8
90°	1.5	109.0	262.1	310.7	287.1
92.5°	0.0	103.1	226.8	212.0	190.0
95°	0.0	101.6	181.1	160.5	151.7
97.5°	0.0	98.7	148.7	134.0	129.6
100°	0.0	95.7	128.1	117.8	116.3
102.5°	0.0	94.2	116.3	107.5	106.0
105°	0.0	91.3	111.9	101.6	100.1
107.5°	0.0	86.9	109.0	98.7	95.7
110°	0.0	82.5	109.0	97.2	92.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	78.0	109.0	95.7	91.3
115°	0.0	75.1	107.5	95.7	91.3
117.5°	1.5	72.2	106.0	95.7	91.3
120°	0.0	69.2	103.1	95.7	89.8
122.5°	1.5	64.8	100.1	94.2	89.8
125°	1.5	60.4	95.7	92.8	88.4
127.5°	1.5	56.0	91.3	89.8	85.4
130°	1.5	51.5	86.9	88.4	83.9
132.5°	1.5	47.1	81.0	85.4	82.5
135°	1.5	42.7	76.6	83.9	81.0
137.5°	1.5	38.3	70.7	79.5	79.5
140°	1.5	33.9	64.8	76.6	78.0
142.5°	1.5	30.9	58.9	73.6	75.1
145°	1.5	26.5	53.0	67.7	72.2
147.5°	1.5	23.6	47.1	61.8	67.7
150°	1.5	20.6	41.2	56.0	61.8
152.5°	1.5	17.7	36.8	48.6	57.4
155°	2.9	16.2	32.4	42.7	51.5
157.5°	2.9	13.3	26.5	36.8	44.2
160°	2.9	11.8	23.6	30.9	39.8
162.5°	2.9	10.3	19.1	26.5	33.9
165°	2.9	8.8	16.2	20.6	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)