

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-LD5-75SL-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-LD5-75SL-SLC-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

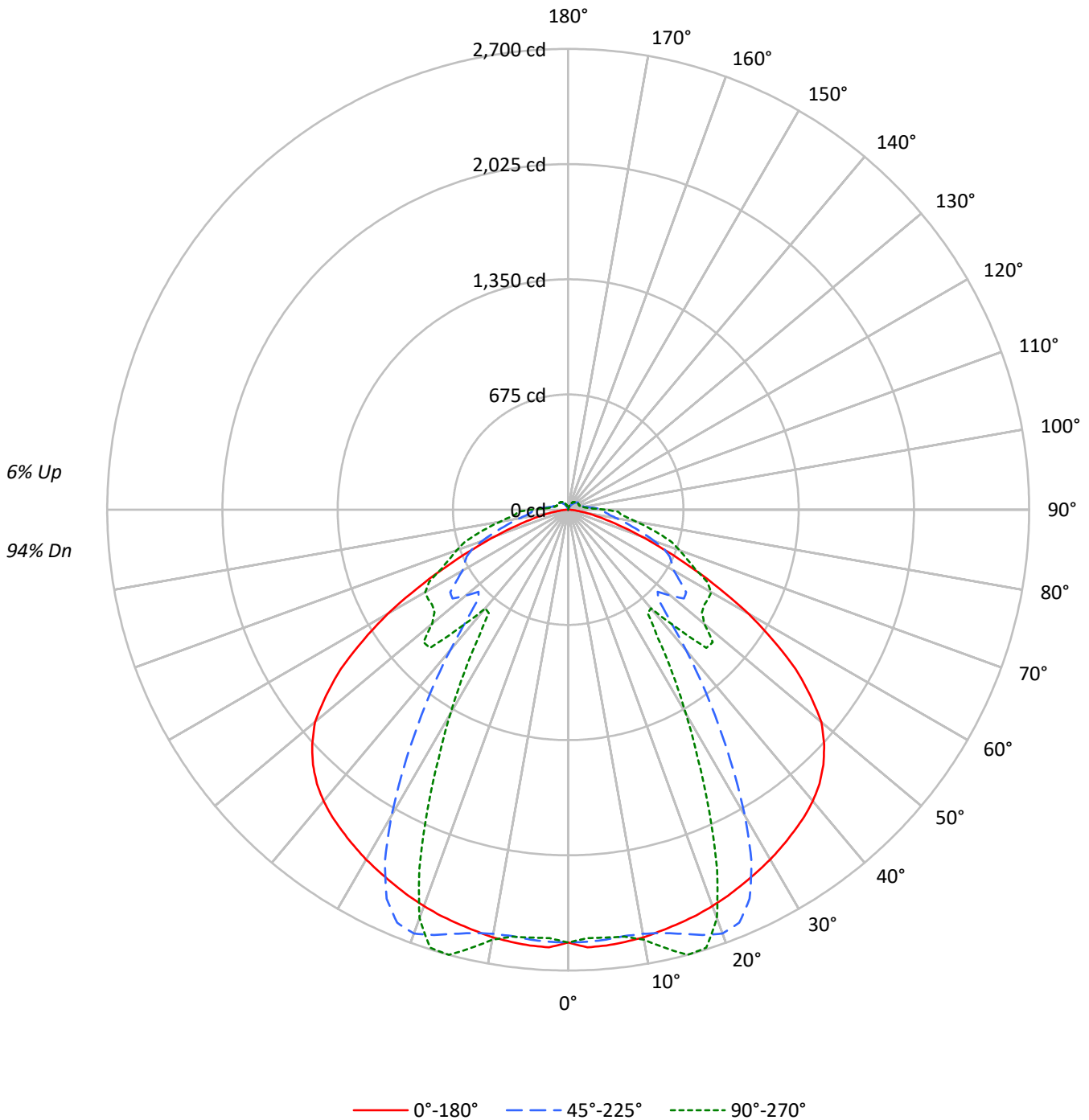
Lumens per Lamp: N/A
Luminaire Lumens: 6511.9 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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	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°	10243	10243	10243
5°	10382	10012	9880
10°	10409	9869	9846
15°	10452	10017	10262
20°	10565	10325	9633
25°	10713	9932	7417
30°	10943	8326	5276
35°	11236	6312	3572
40°	11603	4593	3025
45°	11895	3335	4755
50°	11946	3698	4513
55°	11205	4262	4457
60°	9589	3906	4737
65°	7256	3947	4333
70°	5136	3601	4033
75°	3410	3026	3619
80°	2231	2603	3013
85°	1278	2488	2704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.2	3.7
10°-20°	728.3	11.2
20°-30°	1058.0	16.2
30°-40°	1010.9	15.5
40°-50°	924.7	14.2
50°-60°	853.8	13.1
60°-70°	678.2	10.4
70°-80°	418.6	6.4
80°-90°	227.9	3.5
90°-100°	115.2	1.8
100°-110°	72.4	1.1
110°-120°	61.3	0.9
120°-130°	50.1	0.8
130°-140°	35.9	0.6
140°-150°	22.2	0.3
150°-160°	10.5	0.2
160°-170°	2.7	0.0
170°-180°	0.0	0.0
0°-30°	2027.5	31.1
0°-40°	3038.4	46.7
0°-60°	4816.9	74.0
0°-90°	6141.6	94.3
90°-120°	248.9	3.8
90°-150°	357.1	5.5
90°-180°	370.0	5.7
0°-180°	6511.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2535	2535	2535	2535	2535	
5°	2563	2524	2528	2515	2516	244
15°	2509	2476	2572	2668	2700	710
25°	2421	2468	2515	2129	1955	1119
35°	2303	2266	1527	1052	915	1444
45°	2114	1475	745	950	1145	1625
55°	1626	756	844	908	972	1432
65°	784	490	658	799	818	793
75°	231	262	394	522	557	262
85°	32	111	223	304	309	41
90°	1	83	200	237	219	2
95°	0	77	138	122	116	0
105°	0	70	85	77	76	0
115°	0	57	82	73	70	1
125°	1	46	73	71	67	1
135°	1	32	58	64	62	1
145°	1	20	40	52	55	1
155°	2	12	25	32	39	1
165°	2	7	12	16	21	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°	2535.1	2535.1	2535.1	2535.1	2535.1
2.5°	2566.5	2529.4	2533.9	2526.1	2512.6
5°	2563.1	2523.8	2528.3	2514.9	2516.0
7.5°	2554.1	2513.7	2519.3	2517.1	2522.7
10°	2544.0	2501.4	2522.7	2541.8	2558.6
12.5°	2526.1	2487.9	2539.5	2595.7	2630.4
15°	2509.2	2475.6	2572.1	2667.5	2700.0
17.5°	2492.4	2471.1	2612.5	2695.5	2691.0
20°	2471.1	2468.8	2642.8	2614.7	2546.3
22.5°	2447.5	2470.0	2619.2	2413.9	2279.2
25°	2420.6	2467.7	2514.9	2128.8	1954.9
27.5°	2393.7	2457.6	2325.2	1816.8	1645.2
30°	2366.7	2430.7	2069.3	1531.8	1375.8
32.5°	2335.3	2372.3	1791.0	1279.3	1135.7
35°	2302.8	2265.7	1527.3	1051.5	914.6
37.5°	2269.1	2112.0	1290.5	851.8	764.2
40°	2228.7	1919.0	1072.8	730.6	754.1
42.5°	2178.2	1701.3	880.9	766.5	930.3
45°	2114.2	1474.6	745.1	950.5	1144.6
47.5°	2033.4	1256.9	711.5	1088.5	1149.1
50°	1935.8	1057.1	782.2	1043.6	1039.2
52.5°	1787.7	891.0	854.0	951.6	987.5
55°	1626.1	756.4	843.9	907.9	971.8
57.5°	1421.8	665.5	774.3	898.9	973.0
60°	1218.7	604.9	714.8	897.8	967.3
62.5°	994.3	549.9	684.5	876.4	918.0
65°	784.4	490.4	657.6	799.0	818.1
67.5°	601.5	429.8	610.5	712.6	750.8
70°	453.4	370.3	536.4	646.4	693.5
72.5°	326.6	314.2	460.1	588.0	637.4
75°	231.2	261.5	393.9	521.8	556.6
77.5°	159.4	213.2	337.8	448.9	476.9
80°	104.4	170.6	287.3	386.0	405.1
82.5°	62.8	136.9	249.1	337.8	347.9
85°	32.5	111.1	223.3	304.1	308.6
87.5°	10.1	93.1	208.7	288.4	294.0
90°	1.1	83.0	199.8	236.8	218.8
92.5°	0.0	78.6	172.8	161.6	144.8
95°	0.0	77.4	138.0	122.3	115.6
97.5°	0.0	75.2	113.3	102.1	98.8
100°	0.0	72.9	97.6	89.8	88.7
102.5°	0.0	71.8	88.7	81.9	80.8
105°	0.0	69.6	85.3	77.4	76.3
107.5°	0.0	66.2	83.0	75.2	72.9
110°	0.0	62.8	83.0	74.1	70.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	59.5	83.0	72.9	69.6
115°	0.0	57.2	81.9	72.9	69.6
117.5°	1.1	55.0	80.8	72.9	69.6
120°	0.0	52.7	78.6	72.9	68.5
122.5°	1.1	49.4	76.3	71.8	68.5
125°	1.1	46.0	72.9	70.7	67.3
127.5°	1.1	42.6	69.6	68.5	65.1
130°	1.1	39.3	66.2	67.3	64.0
132.5°	1.1	35.9	61.7	65.1	62.8
135°	1.1	32.5	58.4	64.0	61.7
137.5°	1.1	29.2	53.9	60.6	60.6
140°	1.1	25.8	49.4	58.4	59.5
142.5°	1.1	23.6	44.9	56.1	57.2
145°	1.1	20.2	40.4	51.6	55.0
147.5°	1.1	18.0	35.9	47.1	51.6
150°	1.1	15.7	31.4	42.6	47.1
152.5°	1.1	13.5	28.1	37.0	43.8
155°	2.2	12.3	24.7	32.5	39.3
157.5°	2.2	10.1	20.2	28.1	33.7
160°	2.2	9.0	18.0	23.6	30.3
162.5°	2.2	7.9	14.6	20.2	25.8
165°	2.2	6.7	12.3	15.7	21.3
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)