

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: P402674

Luminaire Tested: **8SLSTP11035DD-UNV**

Issue Date: 06/24/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P402674  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 06/24/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SLSTP11035DD-UNV  
Description: 8FT LENSED LED STRIPLIGHT  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)  
Light Source: (190) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11431.5 lumens  
Efficiency: N/A  
Efficacy: 121.7 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

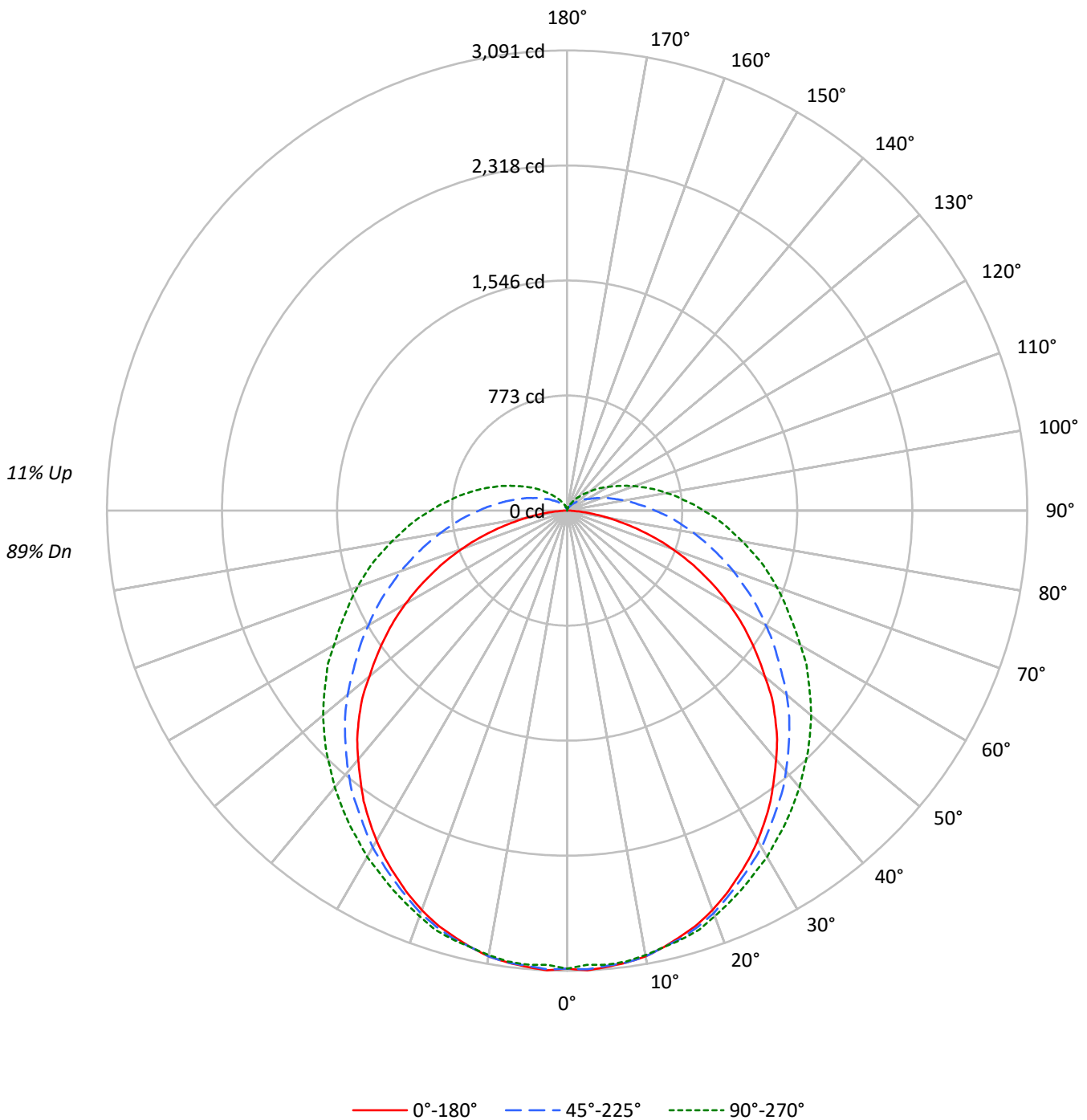
Input Watts (W): 93.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	105	105	105		98	98	98		92	92	92	89
1	104	98	93	89	100	95	90	86	89	85	81		83	80	77		78	75	73	70
2	94	85	77	70	90	82	75	69	76	71	66		71	67	62		67	63	59	57
3	85	74	65	58	82	71	63	56	67	60	54		62	57	52		58	54	50	47
4	78	65	56	48	74	63	54	47	59	51	46		55	49	44		52	47	42	40
5	71	58	48	41	68	56	47	41	53	45	39		49	43	38		47	41	36	34
6	66	52	43	36	63	50	42	35	47	40	34		45	38	33		42	36	32	29
7	61	47	38	31	58	45	37	31	43	35	30		41	34	29		38	33	28	26
8	56	43	34	28	54	41	33	28	39	32	27		37	31	26		35	29	25	23
9	53	39	31	25	51	38	30	25	36	29	24		34	28	23		33	27	23	21
10	49	36	28	23	48	35	27	22	33	26	22		32	26	21		30	25	21	19

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

	0°	45°	90°
0°	24837	24837	24837
5°	24909	24111	23772
10°	24872	23427	22843
15°	24657	22659	21969
20°	24436	21850	21074
25°	24068	20926	20198
30°	23722	20148	19426
35°	23316	19270	18688
40°	22814	18500	18020
45°	22342	17702	17408
50°	21508	16910	16838
55°	20771	16034	16236
60°	19891	15320	15640
65°	18748	14697	15167
70°	17268	14077	14893
75°	15063	13531	14694
80°	11984	13171	14487
85°	7325	13066	14553



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.9	2.6
10°-20°	837.8	7.3
20°-30°	1268.0	11.1
30°-40°	1539.9	13.5
40°-50°	1636.9	14.3
50°-60°	1552.1	13.6
60°-70°	1332.3	11.7
70°-80°	1032.3	9.0
80°-90°	722.9	6.3
90°-100°	485.9	4.3
100°-110°	316.9	2.8
110°-120°	195.5	1.7
120°-130°	113.9	1.0
130°-140°	60.6	0.5
140°-150°	29.3	0.3
150°-160°	11.4	0.1
160°-170°	3.6	0.0
170°-180°	0.2	0.0
0°-30°	2397.7	21.0
0°-40°	3937.6	34.4
0°-60°	7126.6	62.3
0°-90°	10214.1	89.4
90°-120°	998.3	8.7
90°-150°	1202.2	10.5
90°-180°	1217.0	10.6
0°-180°	11431.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3077	3077	3077	3077	3077	
5°	3077	3077	3069	3054	3062	293
15°	2958	2966	2973	2966	2981	835
25°	2715	2722	2745	2774	2796	1252
35°	2383	2390	2450	2523	2560	1488
45°	1977	2007	2110	2236	2287	1523
55°	1498	1557	1726	1918	1977	1339
65°	1003	1114	1365	1572	1645	993
75°	502	701	1018	1254	1350	534
85°	88	369	723	966	1055	113
90°	7	258	590	834	915	6
95°	0	177	480	708	789	0
105°	0	88	310	502	576	0
115°	0	52	192	339	391	0
125°	0	37	118	214	258	0
135°	0	22	74	133	155	0
145°	0	22	44	74	88	0
155°	0	15	22	37	44	0
165°	0	7	15	15	22	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°	3076.6	3076.6	3076.6	3076.6	3076.6
2.5°	3091.3	3091.3	3084.0	3061.8	3054.4
5°	3076.6	3076.6	3069.2	3054.4	3061.8
7.5°	3061.8	3061.8	3061.8	3047.1	3054.4
10°	3039.7	3039.7	3039.7	3017.5	3032.3
12.5°	3002.8	3010.2	3002.8	2995.4	3002.8
15°	2958.5	2965.9	2973.3	2965.9	2980.7
17.5°	2914.3	2914.3	2929.0	2936.4	2951.1
20°	2855.2	2862.6	2877.4	2884.7	2899.5
22.5°	2788.8	2788.8	2811.0	2825.7	2847.9
25°	2715.1	2722.4	2744.6	2774.1	2796.2
27.5°	2641.3	2648.7	2678.2	2715.1	2737.2
30°	2560.1	2567.5	2611.8	2656.0	2685.5
32.5°	2471.6	2479.0	2530.6	2589.6	2619.1
35°	2383.1	2390.4	2449.5	2523.2	2560.1
37.5°	2279.8	2301.9	2375.7	2456.8	2493.7
40°	2183.8	2206.0	2287.1	2383.1	2427.3
42.5°	2087.9	2110.1	2198.6	2316.7	2353.5
45°	1977.3	2006.8	2110.1	2235.5	2287.1
47.5°	1866.6	1903.5	2021.5	2154.3	2213.4
50°	1733.8	1778.1	1925.6	2073.2	2139.6
52.5°	1615.8	1667.4	1822.3	1999.4	2058.4
55°	1497.7	1556.7	1726.4	1918.2	1977.3
57.5°	1379.7	1446.1	1637.9	1822.3	1903.5
60°	1254.2	1335.4	1542.0	1733.8	1807.6
62.5°	1128.8	1224.7	1453.4	1652.6	1726.4
65°	1003.4	1114.1	1364.9	1571.5	1645.3
67.5°	878.0	1010.8	1269.0	1490.3	1571.5
70°	752.5	900.1	1187.8	1416.6	1497.7
72.5°	627.1	796.8	1099.3	1335.4	1423.9
75°	501.7	700.9	1018.1	1254.2	1350.2
77.5°	383.6	605.0	937.0	1180.5	1269.0
80°	273.0	523.8	863.2	1106.7	1195.2
82.5°	177.1	442.7	789.4	1032.9	1121.4
85°	88.5	368.9	723.0	966.5	1055.0
87.5°	29.5	309.9	656.6	900.1	988.6
90°	7.4	258.2	590.2	833.7	914.9
92.5°	0.0	214.0	538.6	774.7	855.8
95°	0.0	177.1	479.6	708.3	789.4
97.5°	0.0	147.6	435.3	656.6	737.8
100°	0.0	125.4	391.0	597.6	678.8
102.5°	0.0	103.3	346.8	553.3	627.1
105°	0.0	88.5	309.9	501.7	575.5
107.5°	0.0	73.8	280.4	457.4	523.8
110°	0.0	66.4	243.5	413.2	479.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	59.0	221.3	376.3	435.3
115°	0.0	51.6	191.8	339.4	391.0
117.5°	0.0	44.3	169.7	302.5	354.1
120°	0.0	44.3	154.9	273.0	317.2
122.5°	0.0	36.9	140.2	243.5	287.7
125°	0.0	36.9	118.0	214.0	258.2
127.5°	0.0	29.5	110.7	191.8	228.7
130°	0.0	29.5	95.9	169.7	199.2
132.5°	0.0	22.1	88.5	147.6	177.1
135°	0.0	22.1	73.8	132.8	154.9
137.5°	0.0	22.1	66.4	118.0	132.8
140°	0.0	22.1	59.0	103.3	118.0
142.5°	0.0	22.1	51.6	88.5	103.3
145°	0.0	22.1	44.3	73.8	88.5
147.5°	0.0	14.8	36.9	66.4	73.8
150°	0.0	14.8	29.5	51.6	59.0
152.5°	0.0	14.8	29.5	44.3	51.6
155°	0.0	14.8	22.1	36.9	44.3
157.5°	0.0	14.8	22.1	29.5	36.9
160°	0.0	7.4	14.8	22.1	29.5
162.5°	0.0	7.4	14.8	22.1	29.5
165°	0.0	7.4	14.8	14.8	22.1
167.5°	0.0	7.4	14.8	14.8	14.8
170°	0.0	7.4	7.4	14.8	7.4
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)