

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: P402673

Luminaire Tested: **8SLSTP8035DD-UNV**

Issue Date: 06/24/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P402673  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 06/24/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SLSTP8035DD-UNV  
Description: 8FT LENSED LED STRIPLIGHT  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)  
Light Source: (160) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

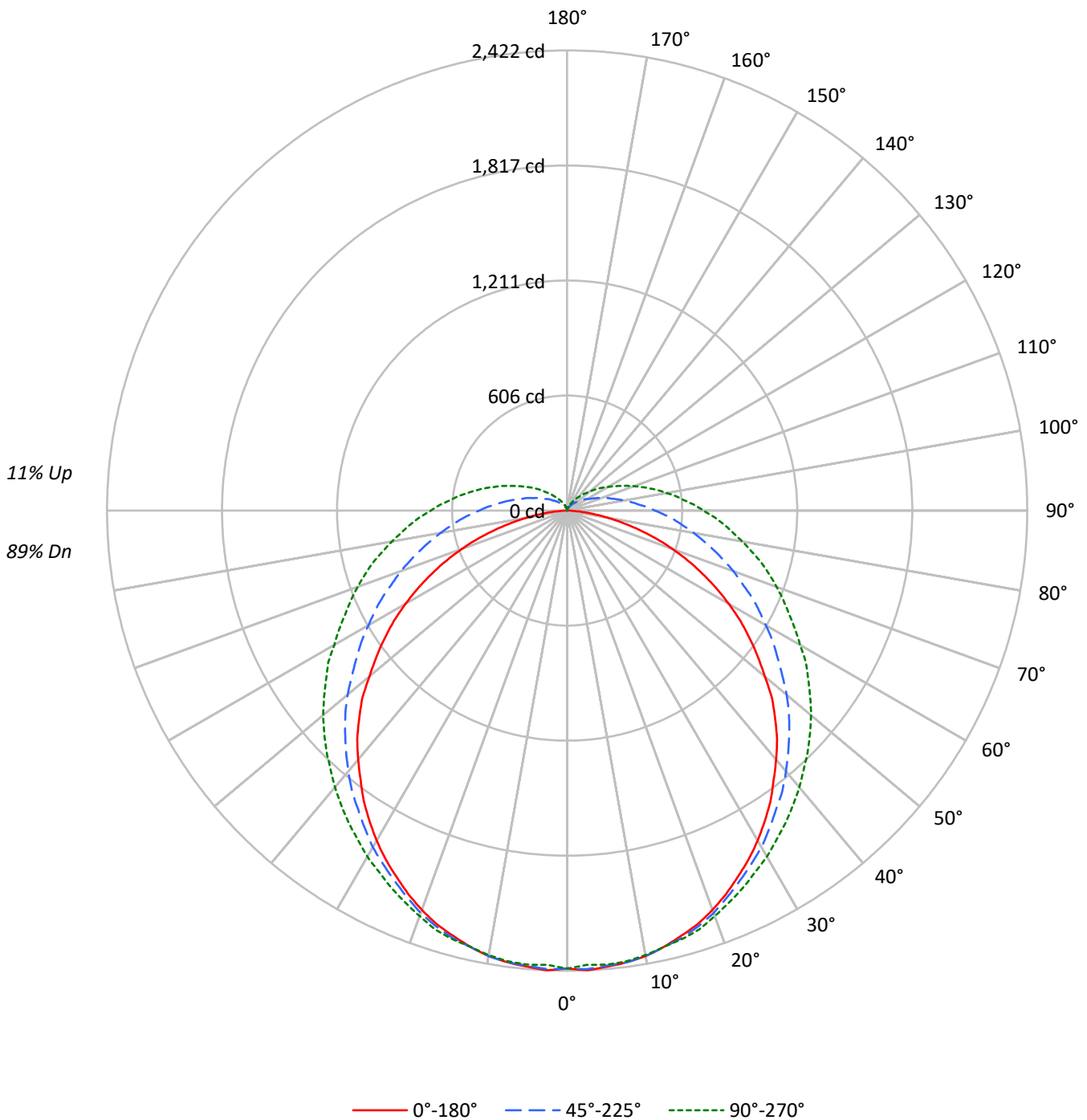
Lumens per Lamp: N/A  
Luminaire Lumens: 8955.1 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 75.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	25	21		30	25	21	19

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

	0°	45°	90°
0°	19457	19457	19457
5°	19513	18887	18622
10°	19484	18352	17895
15°	19316	17750	17210
20°	19143	17116	16509
25°	18854	16392	15823
30°	18583	15784	15218
35°	18264	15095	14639
40°	17873	14493	14116
45°	17501	13867	13637
50°	16849	13248	13191
55°	16272	12560	12718
60°	15582	12001	12252
65°	14686	11513	11881
70°	13527	11028	11667
75°	11799	10600	11511
80°	9385	10318	11349
85°	5744	10236	11401



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.6	2.6
10°-20°	656.3	7.3
20°-30°	993.3	11.1
30°-40°	1206.3	13.5
40°-50°	1282.3	14.3
50°-60°	1215.9	13.6
60°-70°	1043.7	11.7
70°-80°	808.7	9.0
80°-90°	566.3	6.3
90°-100°	380.6	4.3
100°-110°	248.3	2.8
110°-120°	153.2	1.7
120°-130°	89.2	1.0
130°-140°	47.5	0.5
140°-150°	23.0	0.3
150°-160°	8.9	0.1
160°-170°	2.8	0.0
170°-180°	0.1	0.0
0°-30°	1878.3	21.0
0°-40°	3084.6	34.4
0°-60°	5582.8	62.3
0°-90°	8001.4	89.4
90°-120°	782.1	8.7
90°-150°	941.7	10.5
90°-180°	954.0	10.7
0°-180°	8955.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2410	2410	2410	2410	2410	
5°	2410	2410	2404	2393	2398	229
15°	2318	2323	2329	2323	2335	654
25°	2127	2133	2150	2173	2190	981
35°	1867	1873	1919	1977	2006	1166
45°	1549	1572	1653	1751	1792	1193
55°	1173	1220	1352	1503	1549	1049
65°	786	873	1069	1231	1289	778
75°	393	549	798	982	1058	418
85°	69	289	566	757	826	89
90°	6	202	462	653	717	5
95°	0	139	376	555	618	0
105°	0	69	243	393	451	0
115°	0	40	150	266	306	0
125°	0	29	92	168	202	0
135°	0	17	58	104	121	0
145°	0	17	35	58	69	0
155°	0	12	17	29	35	0
165°	0	6	12	12	17	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°	2410.1	2410.1	2410.1	2410.1	2410.1
2.5°	2421.7	2421.7	2415.9	2398.5	2392.8
5°	2410.1	2410.1	2404.3	2392.8	2398.5
7.5°	2398.5	2398.5	2398.5	2387.0	2392.8
10°	2381.2	2381.2	2381.2	2363.9	2375.4
12.5°	2352.3	2358.1	2352.3	2346.5	2352.3
15°	2317.6	2323.4	2329.2	2323.4	2335.0
17.5°	2282.9	2282.9	2294.5	2300.3	2311.8
20°	2236.7	2242.5	2254.0	2259.8	2271.4
22.5°	2184.7	2184.7	2202.0	2213.6	2230.9
25°	2126.9	2132.7	2150.0	2173.1	2190.5
27.5°	2069.1	2074.9	2098.0	2126.9	2144.2
30°	2005.5	2011.3	2046.0	2080.7	2103.8
32.5°	1936.2	1941.9	1982.4	2028.6	2051.8
35°	1866.8	1872.6	1918.8	1976.6	2005.5
37.5°	1785.9	1803.2	1861.0	1924.6	1953.5
40°	1710.8	1728.1	1791.7	1866.8	1901.5
42.5°	1635.6	1653.0	1722.3	1814.8	1843.7
45°	1548.9	1572.1	1653.0	1751.2	1791.7
47.5°	1462.2	1491.1	1583.6	1687.6	1733.9
50°	1358.2	1392.9	1508.5	1624.1	1676.1
52.5°	1265.7	1306.2	1427.6	1566.3	1612.5
55°	1173.3	1219.5	1352.4	1502.7	1548.9
57.5°	1080.8	1132.8	1283.1	1427.6	1491.1
60°	982.5	1046.1	1207.9	1358.2	1416.0
62.5°	884.3	959.4	1138.6	1294.6	1352.4
65°	786.0	872.7	1069.2	1231.1	1288.9
67.5°	687.8	791.8	994.1	1167.5	1231.1
70°	589.5	705.1	930.5	1109.7	1173.3
72.5°	491.3	624.2	861.2	1046.1	1115.5
75°	393.0	549.1	797.6	982.5	1057.7
77.5°	300.5	473.9	734.0	924.7	994.1
80°	213.8	410.4	676.2	866.9	936.3
82.5°	138.7	346.8	618.4	809.1	878.5
85°	69.4	289.0	566.4	757.1	826.5
87.5°	23.1	242.7	514.4	705.1	774.5
90°	5.8	202.3	462.4	653.1	716.7
92.5°	0.0	167.6	421.9	606.9	670.4
95°	0.0	138.7	375.7	554.8	618.4
97.5°	0.0	115.6	341.0	514.4	578.0
100°	0.0	98.3	306.3	468.1	531.7
102.5°	0.0	80.9	271.6	433.5	491.3
105°	0.0	69.4	242.7	393.0	450.8
107.5°	0.0	57.8	219.6	358.3	410.4
110°	0.0	52.0	190.7	323.7	375.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	46.2	173.4	294.8	341.0
115°	0.0	40.5	150.3	265.9	306.3
117.5°	0.0	34.7	132.9	237.0	277.4
120°	0.0	34.7	121.4	213.8	248.5
122.5°	0.0	28.9	109.8	190.7	225.4
125°	0.0	28.9	92.5	167.6	202.3
127.5°	0.0	23.1	86.7	150.3	179.2
130°	0.0	23.1	75.1	132.9	156.0
132.5°	0.0	17.3	69.4	115.6	138.7
135°	0.0	17.3	57.8	104.0	121.4
137.5°	0.0	17.3	52.0	92.5	104.0
140°	0.0	17.3	46.2	80.9	92.5
142.5°	0.0	17.3	40.5	69.4	80.9
145°	0.0	17.3	34.7	57.8	69.4
147.5°	0.0	11.6	28.9	52.0	57.8
150°	0.0	11.6	23.1	40.5	46.2
152.5°	0.0	11.6	23.1	34.7	40.5
155°	0.0	11.6	17.3	28.9	34.7
157.5°	0.0	11.6	17.3	23.1	28.9
160°	0.0	5.8	11.6	17.3	23.1
162.5°	0.0	5.8	11.6	17.3	23.1
165°	0.0	5.8	11.6	11.6	17.3
167.5°	0.0	5.8	11.6	11.6	11.6
170°	0.0	5.8	5.8	11.6	5.8
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)