

Scaled data based on original data using  
LM-31-95 IESNA Approved Method for Photometric Testing of Roadway Luminaires  
Using Incandescent Filament and High Intensity Discharge Lamps

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: P11179

Luminaire Tested: **RMA10MXX55**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-31-95  
Report Number: P11179  
Test Lab: PEACHTREE CITY  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: RMA10MXX55  
Description: STREET WORKS 12 INCH HID TYPE 5 OUTDOOR FIXTURE,  
WITH DIFFUSE REFLECTOR, PRISMATIC TYPE 5 ACRYLIC REFRACTOR.  
Light Source: MEDIUM BASE CLEAR PROTECTED ED17 METAL HALIDE LAMP  
MH100/ED17 100 WATTS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 8500 (1 lamp)  
Luminaire Lumens: 6822.3 lumens  
Efficiency: 80.3%  
Efficacy: 68.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.54')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B3 - U4 - G2

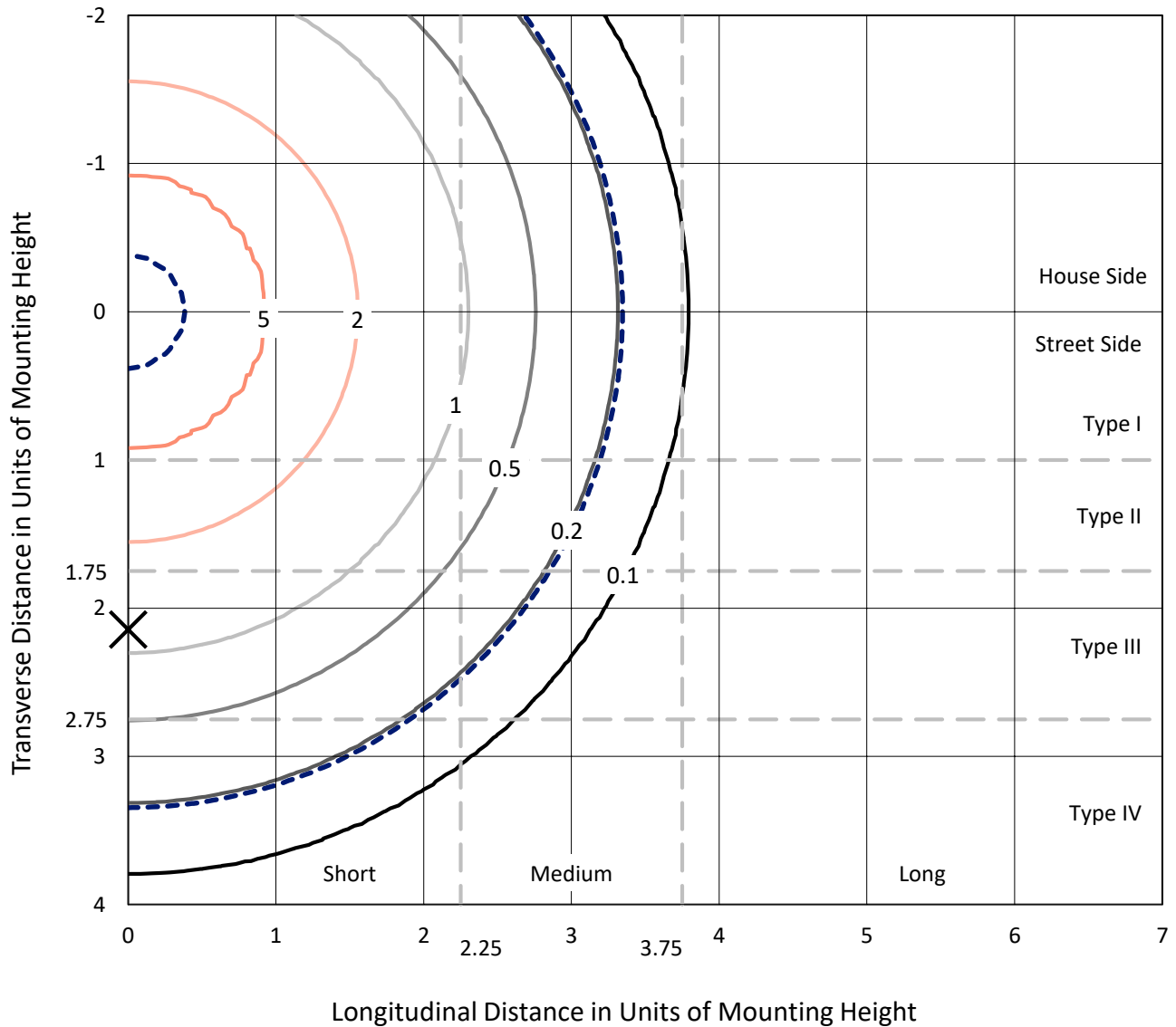
Input Watts (W): 100  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

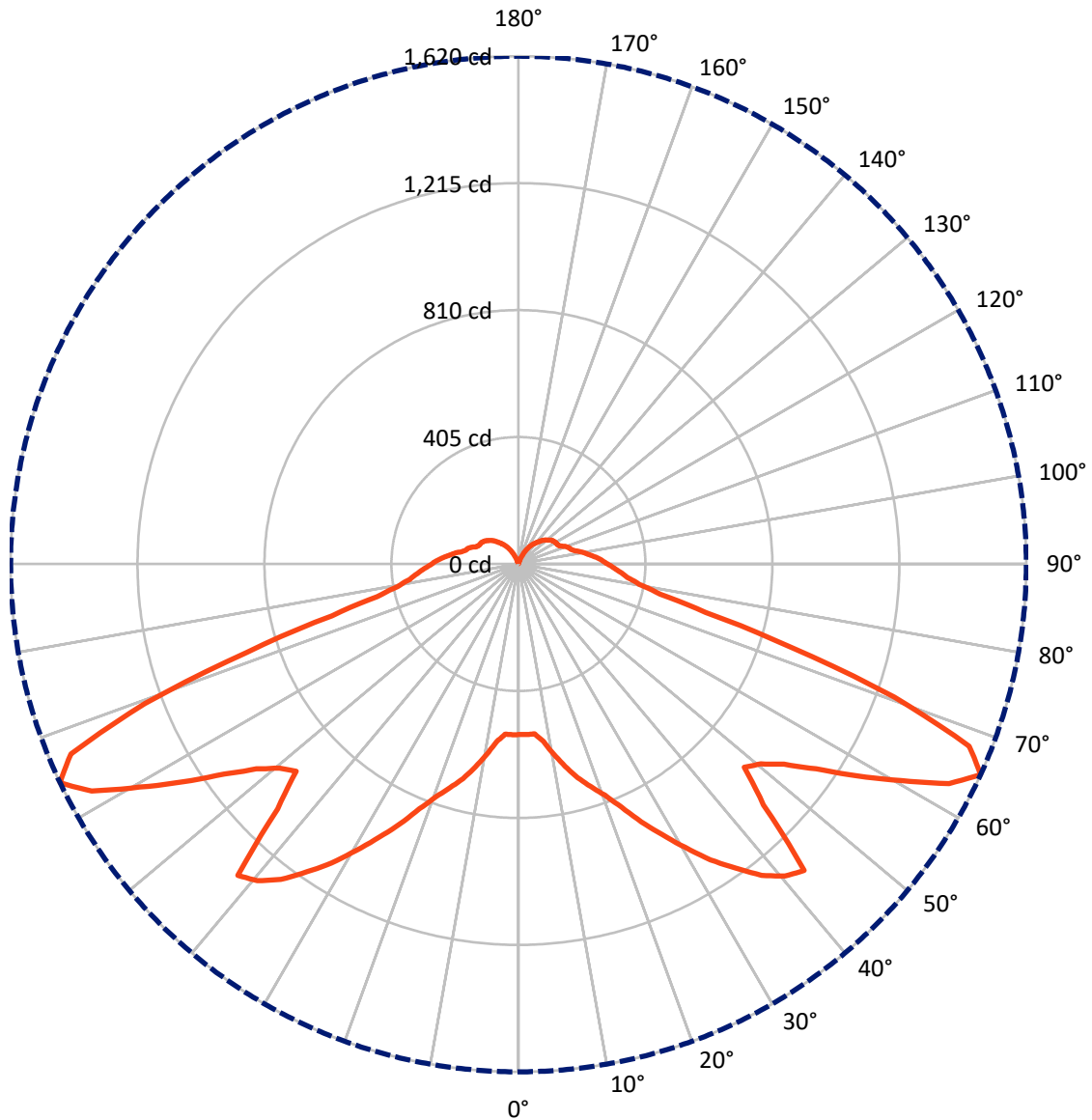
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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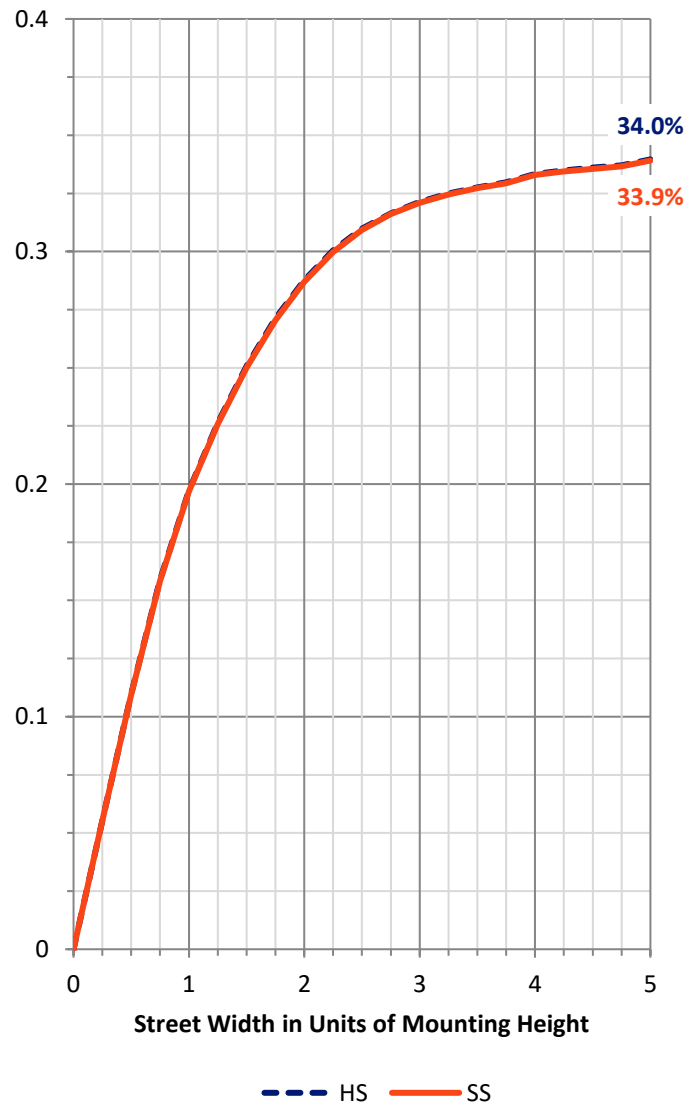
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2983.3	427.9	3411.1
	% Lamp	35.1	5.0	40.1
<b>Street Side</b>	Lumens	2983.3	427.9	3411.1
	% Lamp	35.1	5.0	40.1
<b>Total</b>	Lumens	5966.6	855.7	6822.3
	% Lamp	70.2	10.1	80.3

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	54.4	0.8	0.6
10°-20°	202.0	3.0	2.4
20°-30°	425.8	6.2	5.0
30°-40°	750.0	11.0	8.8
40°-50°	877.3	12.9	10.3
50°-60°	1055.7	15.5	12.4
60°-70°	1501.0	22.0	17.7
70°-80°	742.5	10.9	8.7
80°-90°	357.9	5.2	4.2
90°-100°	265.9	3.9	3.1
100°-110°	188.9	2.8	2.2
110°-120°	142.2	2.1	1.7
120°-130°	115.8	1.7	1.4
130°-140°	80.4	1.2	0.9
140°-150°	45.4	0.7	0.5
150°-160°	15.8	0.2	0.2
160°-170°	1.3	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	5966.6	87.5	70.2
0°-180°	6822.3	100.0	80.3

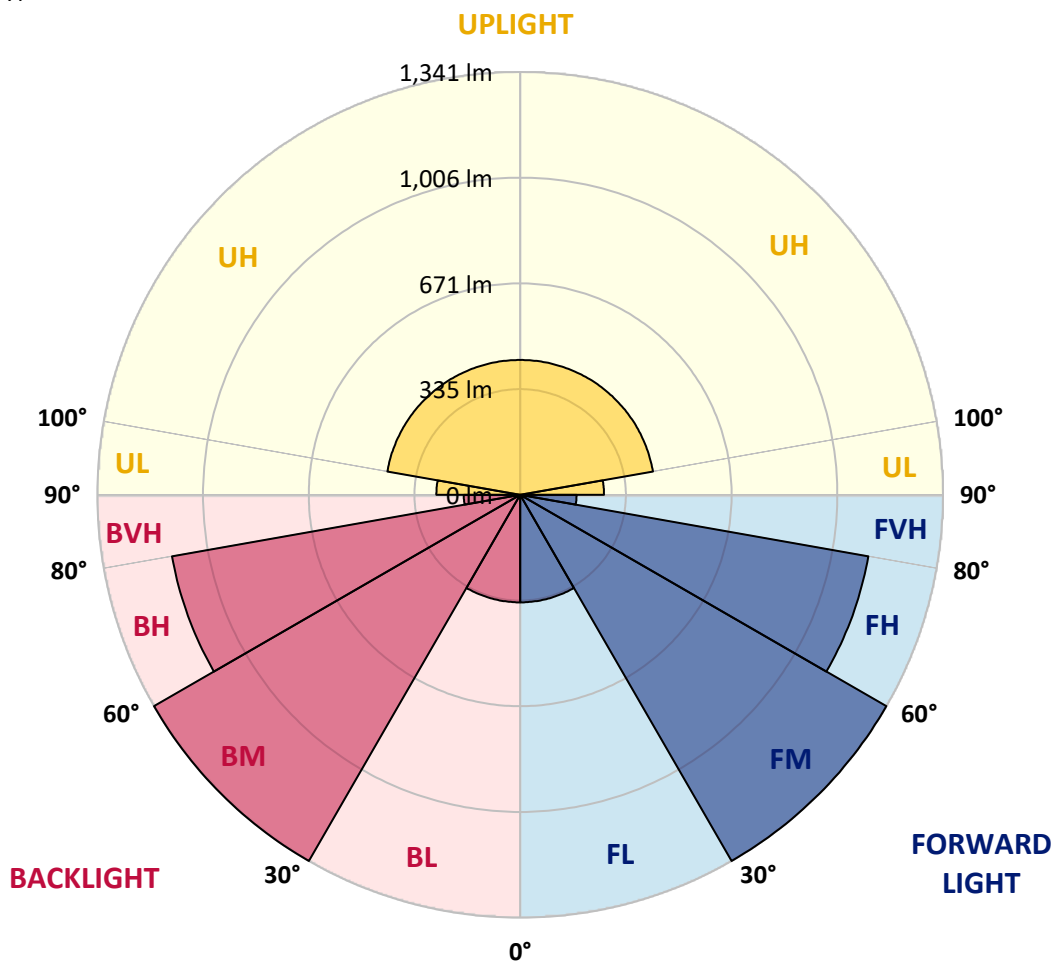


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	341.2	4.0			
FM	(30°-60°)	1341.5	15.8			
FH	(60°-80°)	1121.7	13.2			G1/1800
FVH	(80°-90°)	178.9	2.1			G2/225
BL	(0°-30°)	341.2	4.0	B1/500		
BM	(30°-60°)	1341.5	15.8	B2/2500		
BH	(60°-80°)	1121.7	13.2	B3/2500		G1/1800
BVH	(80°-90°)	178.9	2.1			G2/225
UL	(90°-100°)	265.9	3.1		U3/500	
UH	(100°-180°)	427.9	5.0		U3/500	
Trapped Light		1677.7	19.7			

**BUG Rating: B3-U4-G2**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	544
2.5°	545
5°	544
7.5°	571
10°	616
12.5°	662
15°	707
17.5°	746
20°	787
22.5°	842
25°	911
27.5°	978
30°	1049
32.5°	1125
35°	1191
37.5°	1260
40°	1309
42.5°	1337
45°	1096
47.5°	969
50°	1002
52.5°	1061
55°	1153
57.5°	1275
60°	1402
62.5°	1542
65°	1620
67.5°	1551
70°	1272
72.5°	910
75°	617
77.5°	462
80°	391
82.5°	350
85°	325
87.5°	302
90°	280
92.5°	263
95°	244
97.5°	224
100°	207
102.5°	187
105°	174
107.5°	169
110°	160



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	146
115°	140
117.5°	138
120°	137
122.5°	134
125°	130
127.5°	124
130°	118
132.5°	112
135°	104
137.5°	95
140°	87
142.5°	80
145°	72
147.5°	64
150°	54
152.5°	43
155°	32
157.5°	23
160°	14
162.5°	7
165°	2
167.5°	0
170°	0
172.5°	0
175°	0
177.5°	0
180°	0

(END OF REPORT)