

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: STREETWORKS

Report Number: 175p262

Luminaire Tested: **ARC050650LEDEU55**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: 175p262  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARC050650LEDEU55  
Description: LED POST TOP TYPE 5 NO CAGE  
Light Source: 6 LED UNIT, 5000CCT, 65CRI  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3297.5 lumens  
Efficiency: N/A  
Efficacy: 57.5 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.23' x H: 1.04')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G3  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
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: 28.75 FT

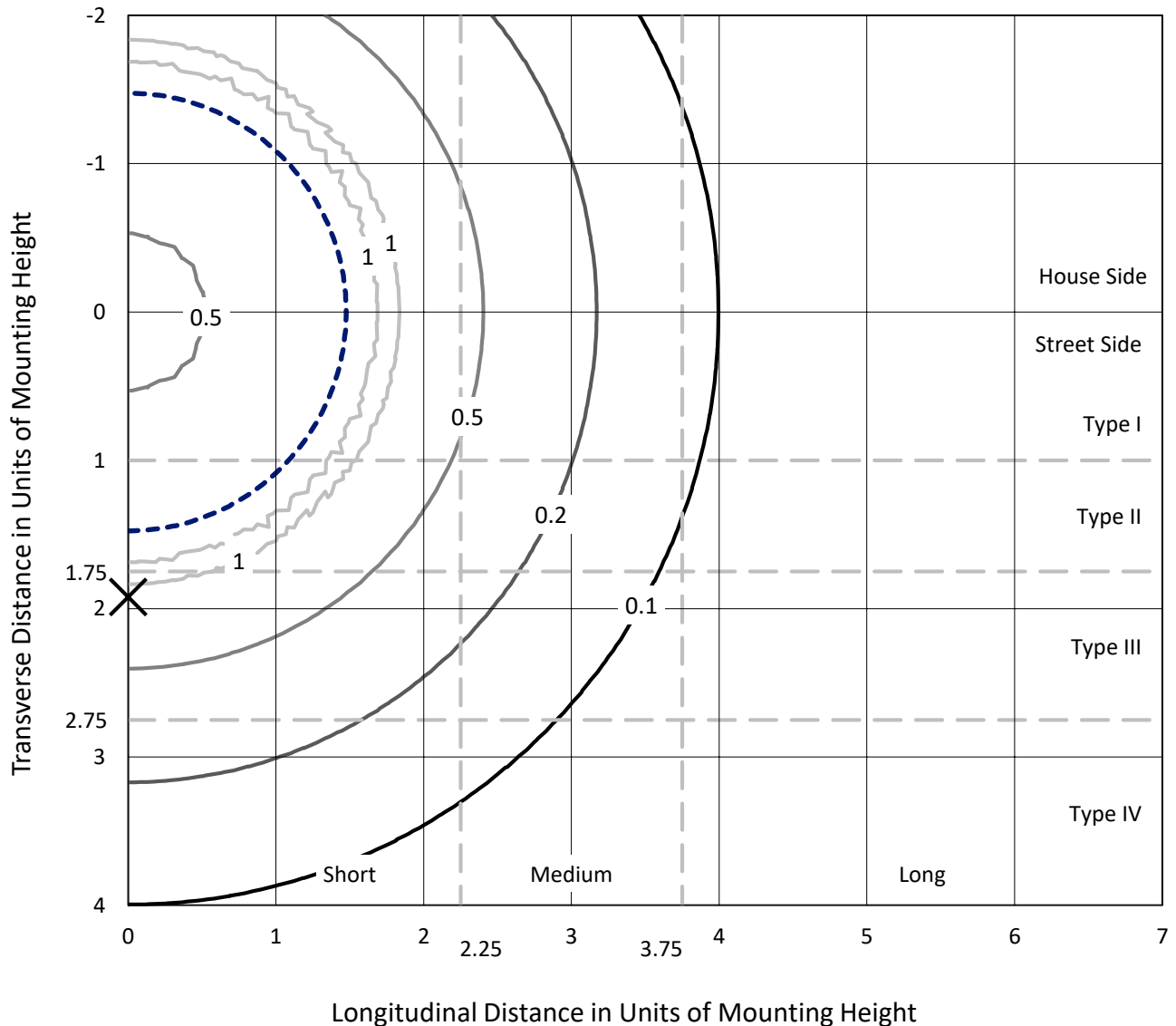


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

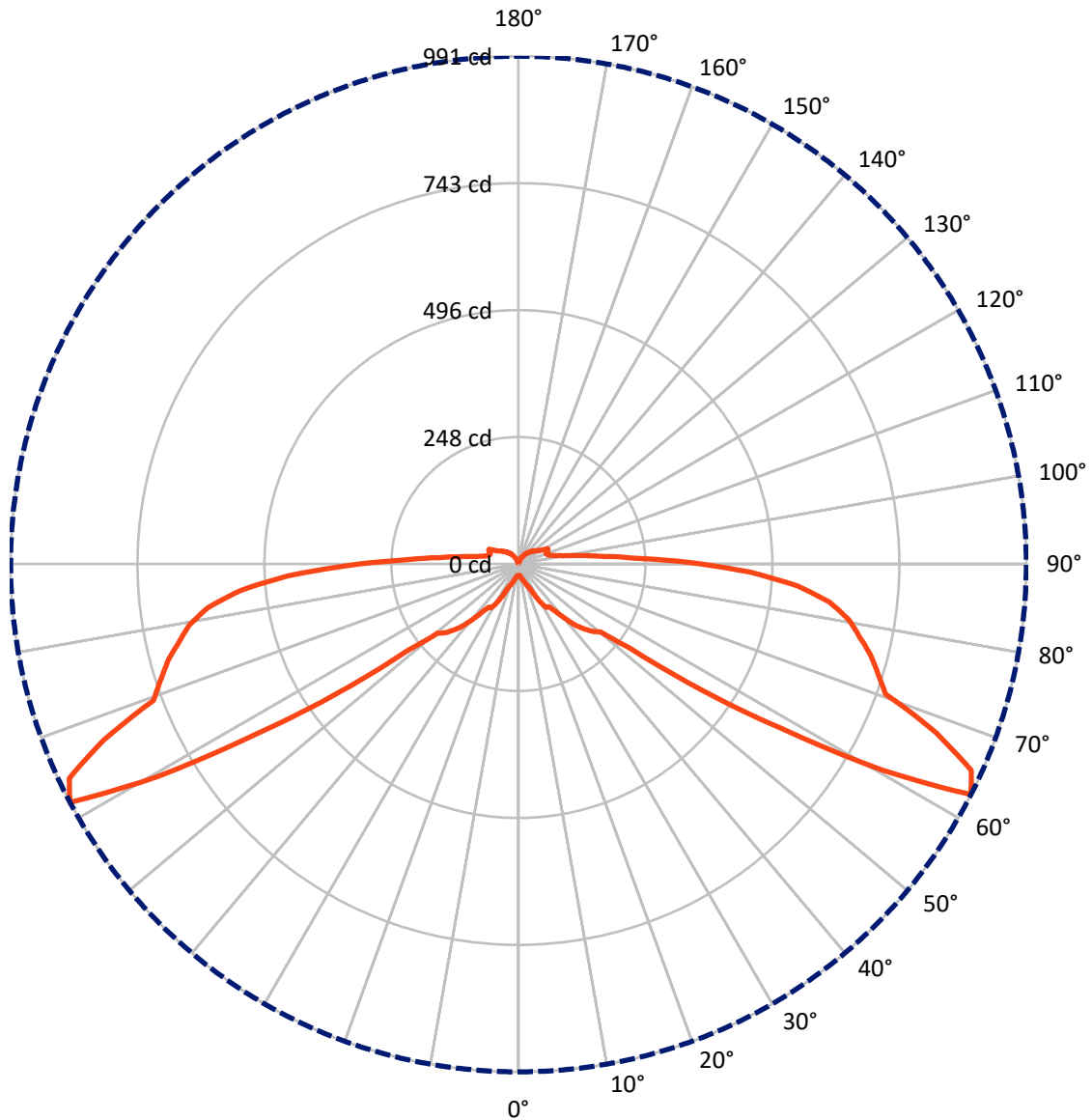


Based on 10 foot mounting height. Maximum calculated value = 1 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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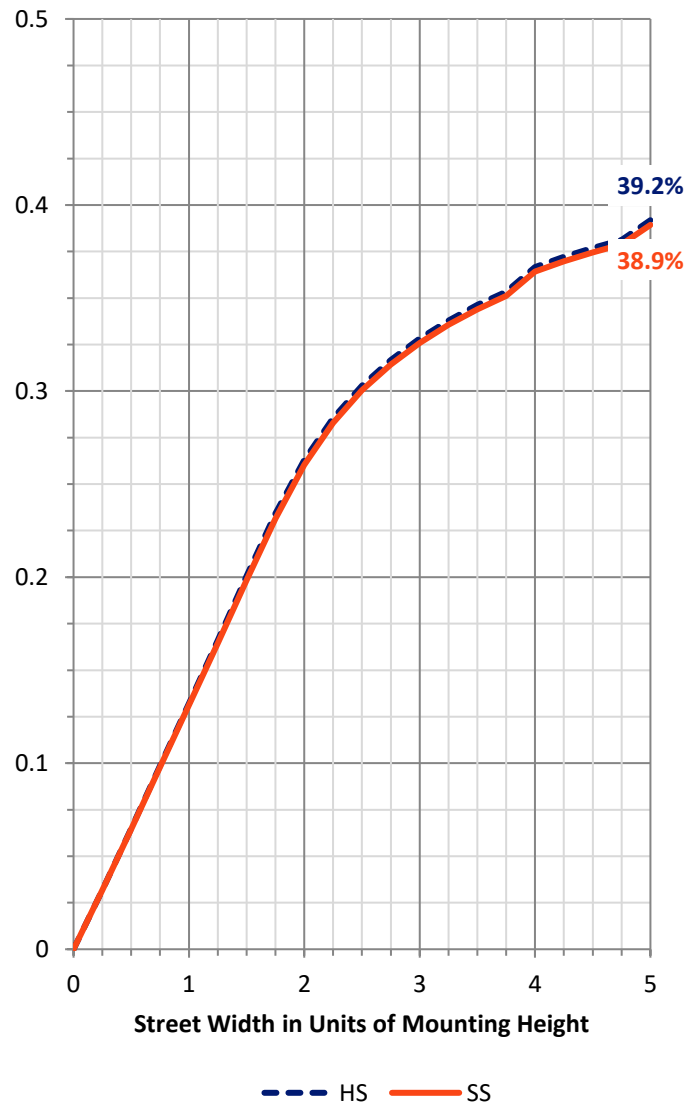
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1441.8	207.0	1648.7
	% Fixture	43.7	6.3	50.0
<b>Street Side</b>	Lumens	1441.8	207.0	1648.7
	% Fixture	43.7	6.3	50.0
<b>Total</b>	Lumens	2883.5	413.9	3297.5
	% Fixture	87.4	12.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	9.5	0.3
20°-30°	28.2	0.9
30°-40°	68.7	2.1
40°-50°	139.1	4.2
50°-60°	414.8	12.6
60°-70°	899.9	27.3
70°-80°	748.2	22.7
80°-90°	572.8	17.4
90°-100°	193.1	5.9
100°-110°	71.2	2.2
110°-120°	60.3	1.8
120°-130°	40.8	1.2
130°-140°	26.2	0.8
140°-150°	14.8	0.4
150°-160°	6.1	0.2
160°-170°	1.4	0.0
170°-180°	0.0	0.0
0°-90°	2883.5	87.4
0°-180°	3297.5	100.0

**Coefficient of Utilization**



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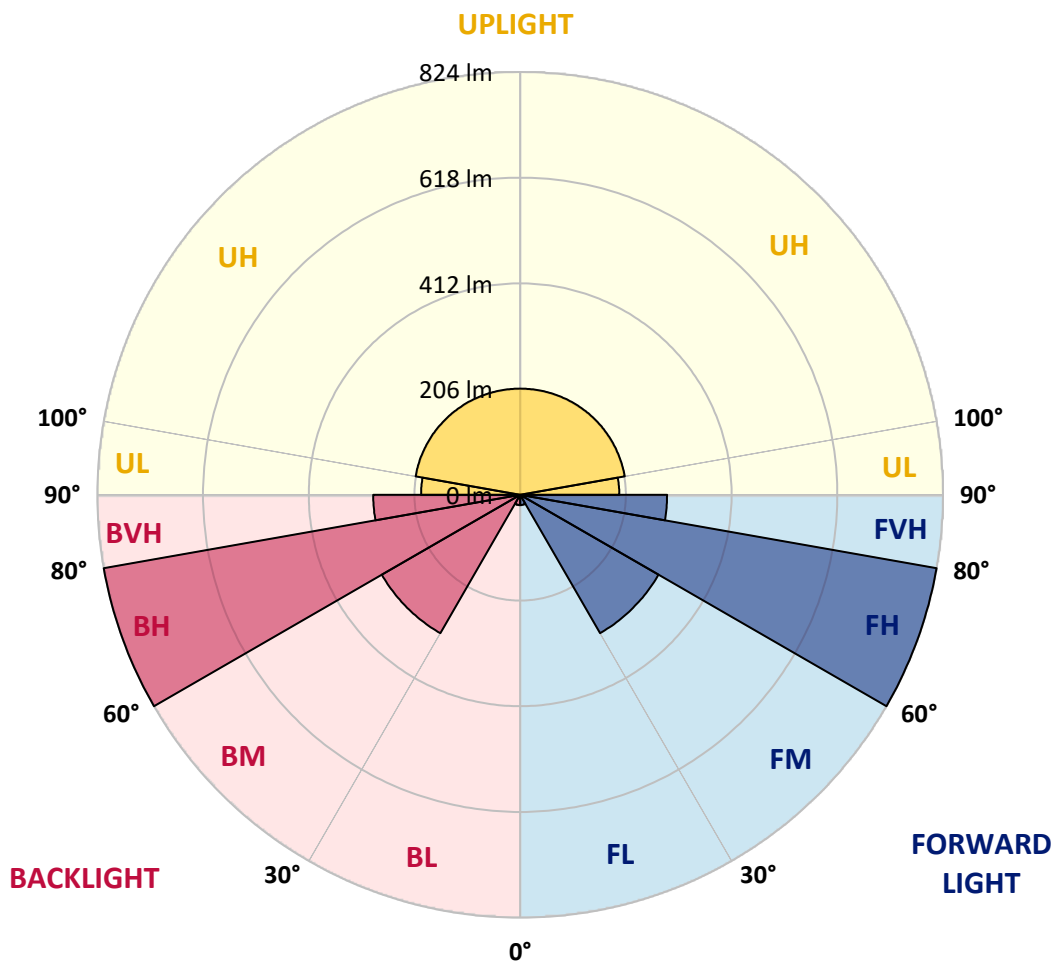
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	20.0	0.6			
FM (30°-60°)	311.3	9.4			
FH (60°-80°)	824.1	25.0			G1/1800
FVH (80°-90°)	286.4	8.7			G3/500
BL (0°-30°)	20.0	0.6	B0/110		
BM (30°-60°)	311.3	9.4	B1/1000		
BH (60°-80°)	824.1	25.0	B2/1000		G1/1800
BVH (80°-90°)	286.4	8.7			G3/500
UL (90°-100°)	193.1	5.9		U3/500	
UH (100°-180°)	207.0	6.3		U3/500	

**BUG Rating: B2-U3-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	22
2.5°	22
5°	22
7.5°	24
10°	26
12.5°	29
15°	32
17.5°	36
20°	42
22.5°	47
25°	54
27.5°	72
30°	89
32.5°	101
35°	102
37.5°	117
40°	139
42.5°	163
45°	181
47.5°	197
50°	208
52.5°	272
55°	435
57.5°	606
60°	817
62.5°	991
65°	971
67.5°	879
70°	760
72.5°	734
75°	710
77.5°	680
80°	653
82.5°	612
85°	546
87.5°	451
90°	332
92.5°	223
95°	158
97.5°	116
100°	88
102.5°	72
105°	64
107.5°	60
110°	58



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	59
115°	64
117.5°	64
120°	54
122.5°	48
125°	45
127.5°	42
130°	39
132.5°	36
135°	34
137.5°	31
140°	28
142.5°	26
145°	24
147.5°	21
150°	17
152.5°	15
155°	13
157.5°	11
160°	8
162.5°	6
165°	4
167.5°	3
170°	2
172.5°	0
175°	0
177.5°	0
180°	0

(END OF REPORT)