

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: P14363

Luminaire Tested: **ACN/CLB/ARC-080-LED-E-U-55-3-6-X-BK-5700**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P14363
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ACN/CLB/ARC-080-LED-E-U-55-3-6-X-BK-5700
Description: STREETWORKS POST TOP WITH A TYPE V SOLID TOP
REFRACTOR WITH ARCHITECTURAL CAGE
Light Source: [6]
Ballast/Driver: [2]

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9655.7 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.29' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U4 - G3

Input Watts (W): 101.3
Input Voltage (V): NR
Input Current (A_{in}): 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

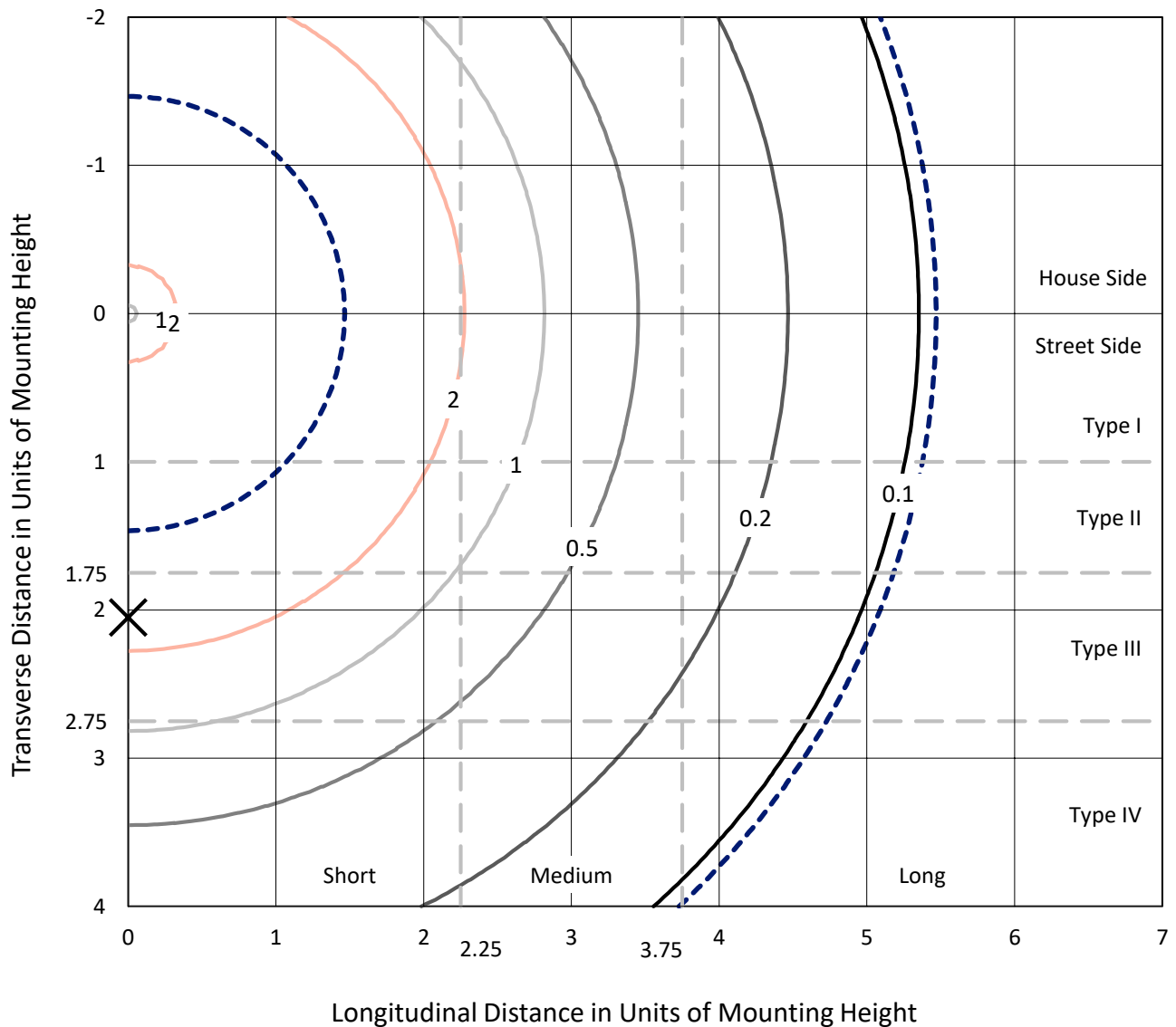


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

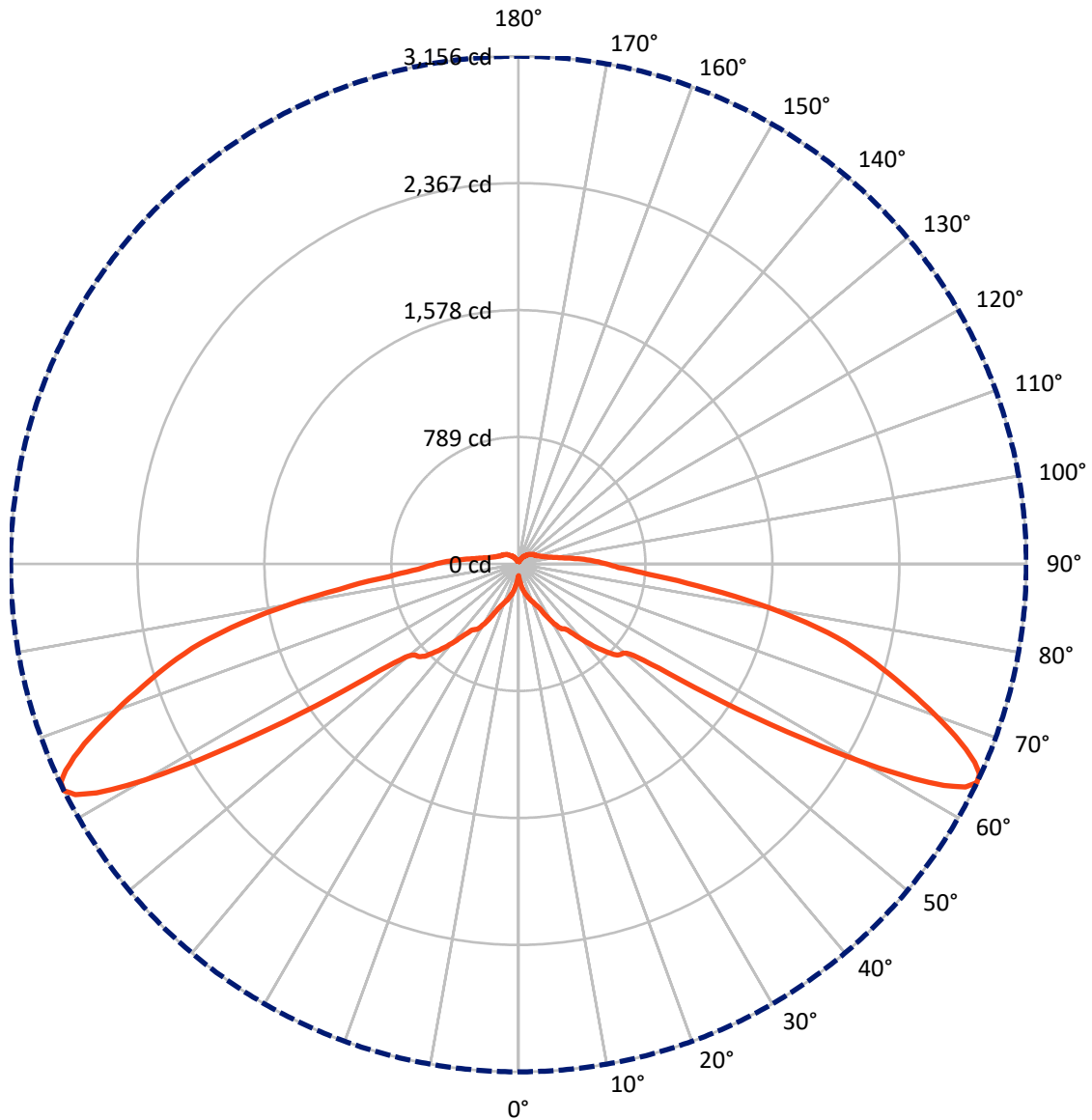


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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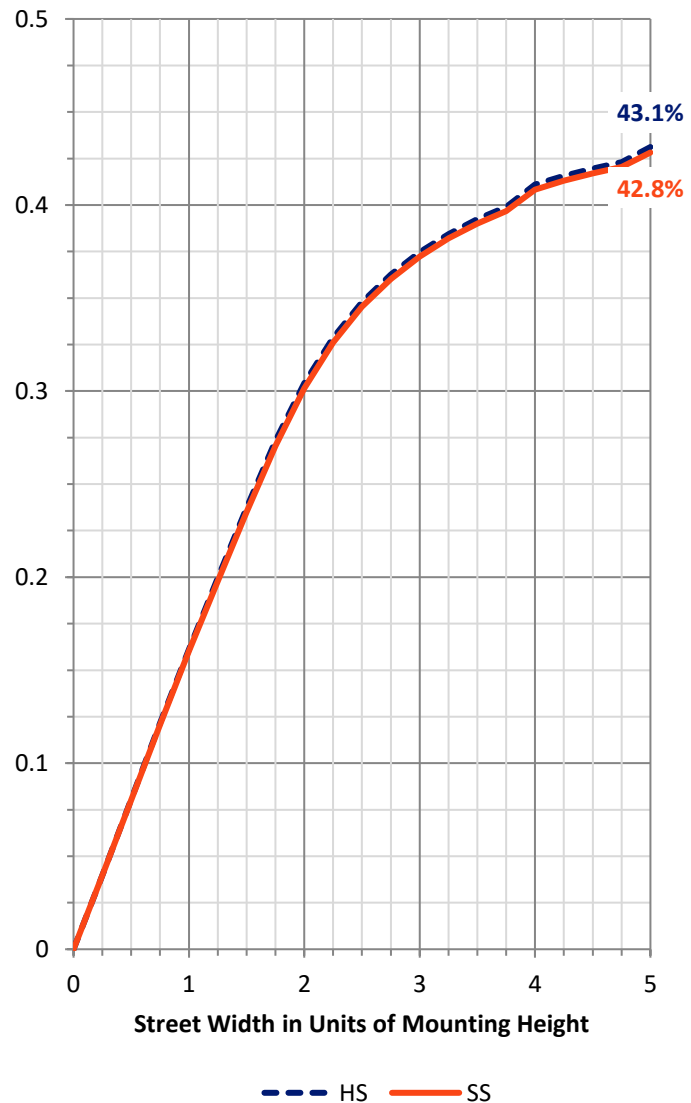
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4370.9	457.0	4827.9
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	4370.9	457.0	4827.9
	% Fixture	45.3	4.7	50.0
Total	Lumens	8741.8	914.0	9655.7
	% Fixture	90.5	9.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.1
10°-20°	60.5	0.6
20°-30°	150.0	1.6
30°-40°	322.3	3.3
40°-50°	600.5	6.2
50°-60°	1387.1	14.4
60°-70°	2944.7	30.5
70°-80°	2290.3	23.7
80°-90°	973.8	10.1
90°-100°	396.2	4.1
100°-110°	184.1	1.9
110°-120°	123.2	1.3
120°-130°	93.0	1.0
130°-140°	60.9	0.6
140°-150°	34.7	0.4
150°-160°	14.9	0.2
160°-170°	5.7	0.1
170°-180°	1.4	0.0
0°-90°	8741.8	90.5
0°-180°	9655.7	100.0



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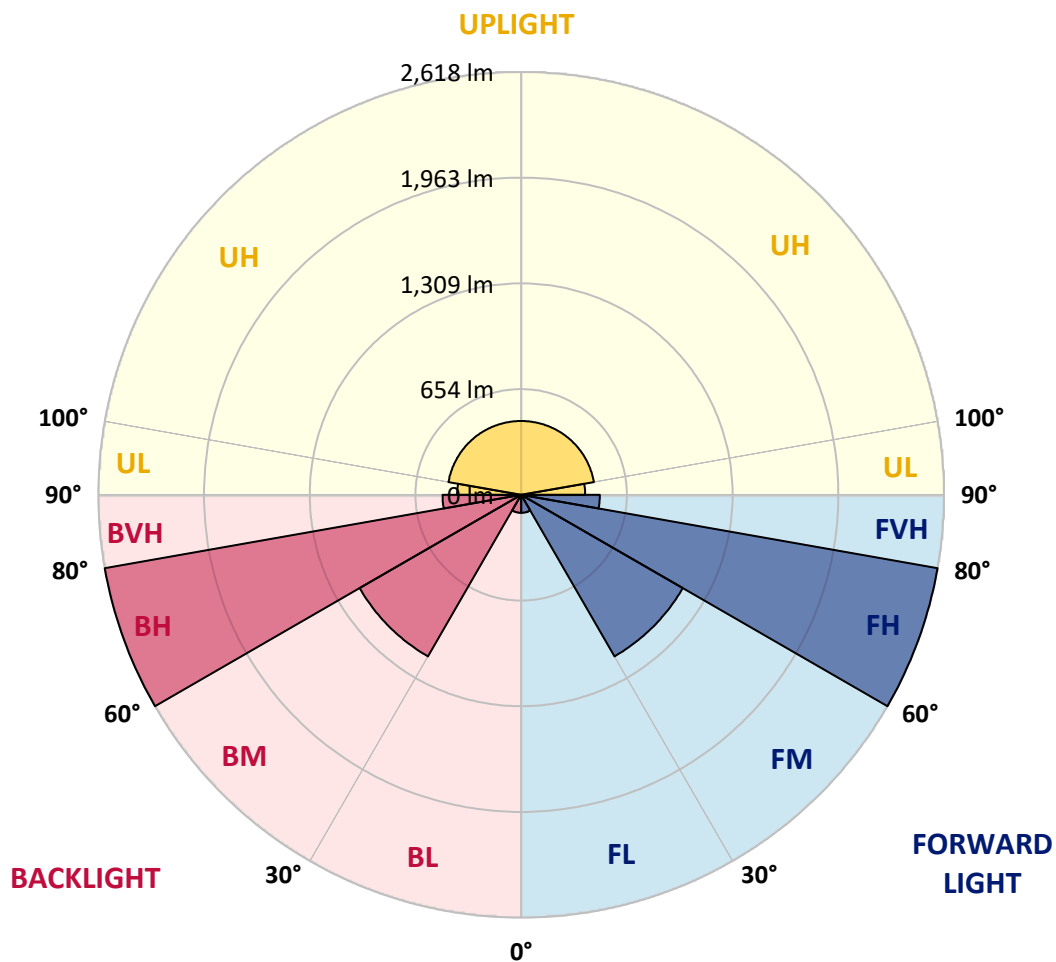
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.5	1.2			
FM (30°-60°)	1155.0	12.0			
FH (60°-80°)	2617.5	27.1			G2/5000
FVH (80°-90°)	486.9	5.0			G3/500
BL (0°-30°)	111.5	1.2	B1/500		
BM (30°-60°)	1155.0	12.0	B2/2500		
BH (60°-80°)	2617.5	27.1	B4/5000		G2/5000
BVH (80°-90°)	486.9	5.0			G3/500
UL (90°-100°)	396.2	4.1		U3/500	
UH (100°-180°)	457.0	4.7		U3/500	

BUG Rating: B4-U4-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	72.2
2.5°	92.8
5°	113.4
7.5°	139.2
10°	165.0
12.5°	189.5
15°	207.5
17.5°	232.0
20°	250.1
22.5°	274.6
25°	302.9
27.5°	360.9
30°	425.4
31°	440.8
32°	465.3
33°	482.1
34°	488.5
35°	495.0
36°	509.2
37°	533.6
38°	562.0
39°	591.7
40°	626.5
41°	658.7
42°	690.9
43°	725.7
44°	752.8
45°	786.3
46°	817.2
47°	836.6
48°	848.2
49°	853.3
50°	870.1
51°	911.3
52°	982.2
53°	1086.6
54°	1243.9
55°	1433.4
56°	1637.0
57°	1853.6
58°	2080.4
59°	2330.5
60°	2575.4
61°	2795.8
62°	2981.5



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CANDELA DISTRIBUTION (continued):

	0°
63°	3103.9
64°	3155.5
65°	3149.0
66°	3091.0
67°	3009.8
68°	2919.6
69°	2816.5
70°	2709.5
71°	2606.4
72°	2500.7
73°	2400.1
74°	2302.2
75°	2199.0
76°	2094.6
77°	1968.3
78°	1827.8
79°	1679.6
80°	1519.7
82.5°	1121.4
85°	806.9
87.5°	621.3
90°	531.1
92.5°	446.0
95°	353.2
97.5°	273.3
100°	225.6
102.5°	190.8
105°	168.9
107.5°	152.1
110°	140.5
112.5°	130.2
115°	121.2
117.5°	118.6
120°	110.9
122.5°	110.9
125°	103.1
127.5°	98.0
130°	92.8
132.5°	85.1
135°	79.9
137.5°	68.3
140°	67.0
142.5°	60.6
145°	55.4
147.5°	49.0



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CANDELA DISTRIBUTION (continued):

	0°
150°	41.2
152.5°	37.4
155°	29.6
157.5°	27.1
160°	23.2
162.5°	20.6
165°	19.3
167.5°	19.3
170°	16.8
172.5°	14.2
175°	12.9
177.5°	12.9
180°	12.9

(END OF REPORT)