

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: P14211

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P14211
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
Description: STREETWORKS POST TOP WITH A TYPE V SOLID TOP
REFRACTOR WITH ARCHITECTURAL CAGE
Light Source: [6] 4000K LEDS
Ballast/Driver: [2] ELECTRONIC DRIVERS

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9973.4 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.21')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U4 - G3

Input Watts (W): 101.3
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

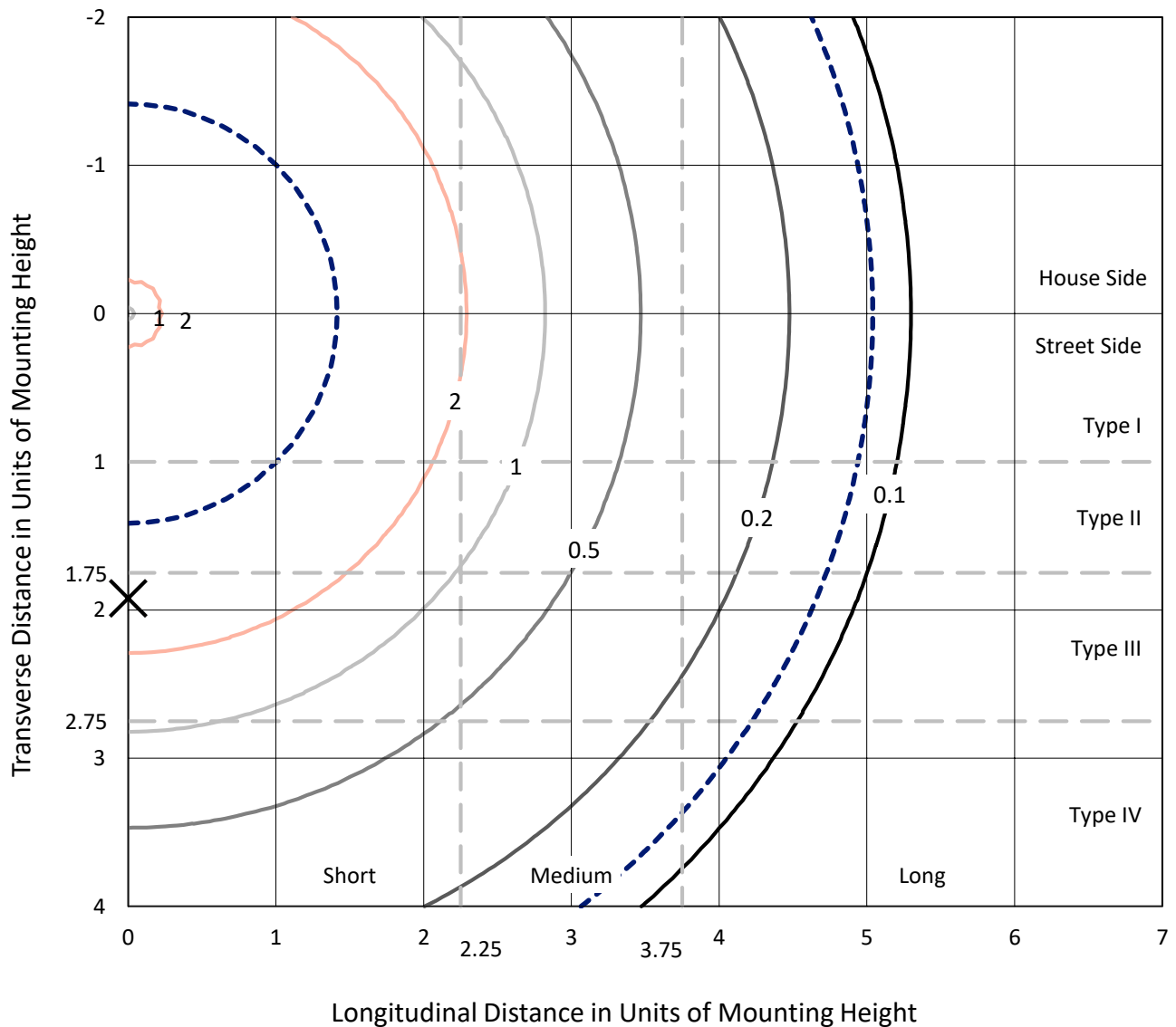


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

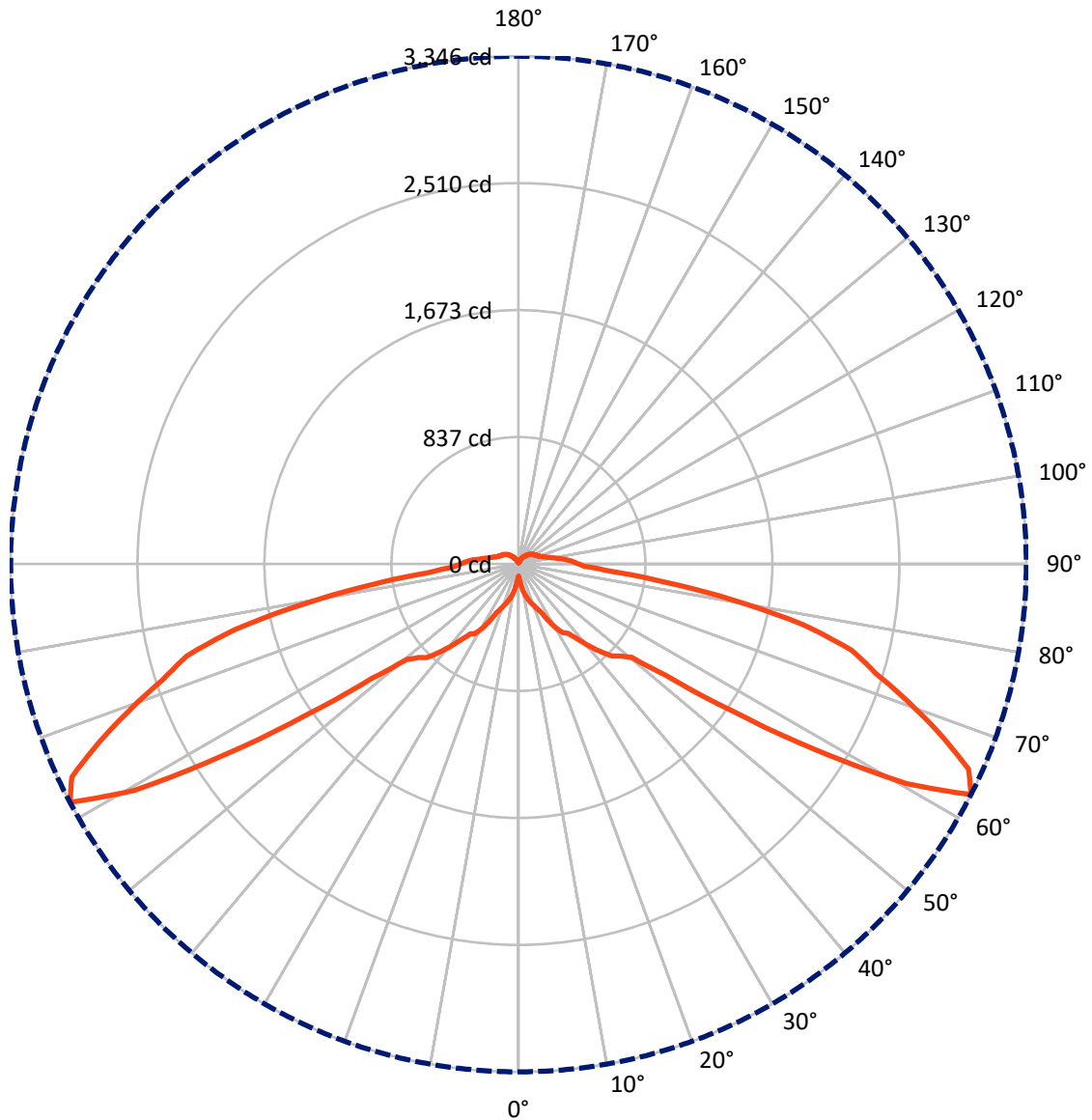


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - Semi-Cutoff

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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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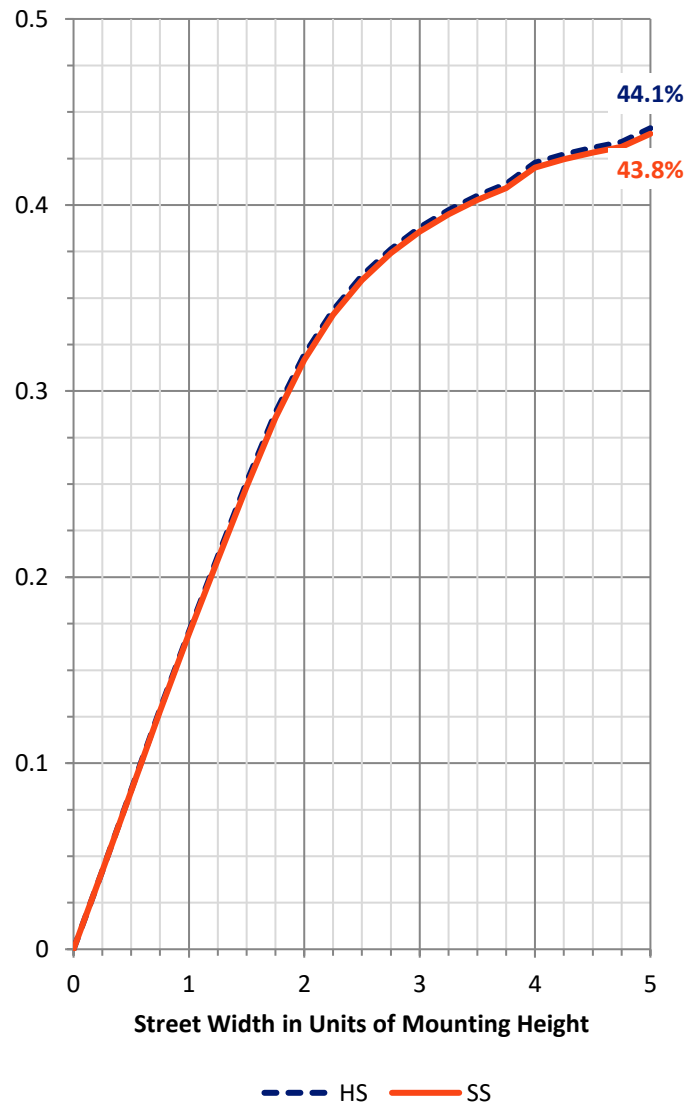
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4546.7	440.0	4986.7
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	4546.7	440.0	4986.7
	% Fixture	45.6	4.4	50.0
Total	Lumens	9093.3	880.1	9973.4
	% Fixture	91.2	8.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.1
10°-20°	70.0	0.7
20°-30°	175.5	1.8
30°-40°	366.1	3.7
40°-50°	658.7	6.6
50°-60°	1630.3	16.3
60°-70°	3084.0	30.9
70°-80°	2302.3	23.1
80°-90°	792.9	7.9
90°-100°	336.8	3.4
100°-110°	190.2	1.9
110°-120°	131.7	1.3
120°-130°	100.7	1.0
130°-140°	65.5	0.7
140°-150°	34.4	0.3
150°-160°	14.5	0.1
160°-170°	5.3	0.1
170°-180°	0.9	0.0
0°-90°	9093.3	91.2
0°-180°	9973.4	100.0

Coefficient of Utilization



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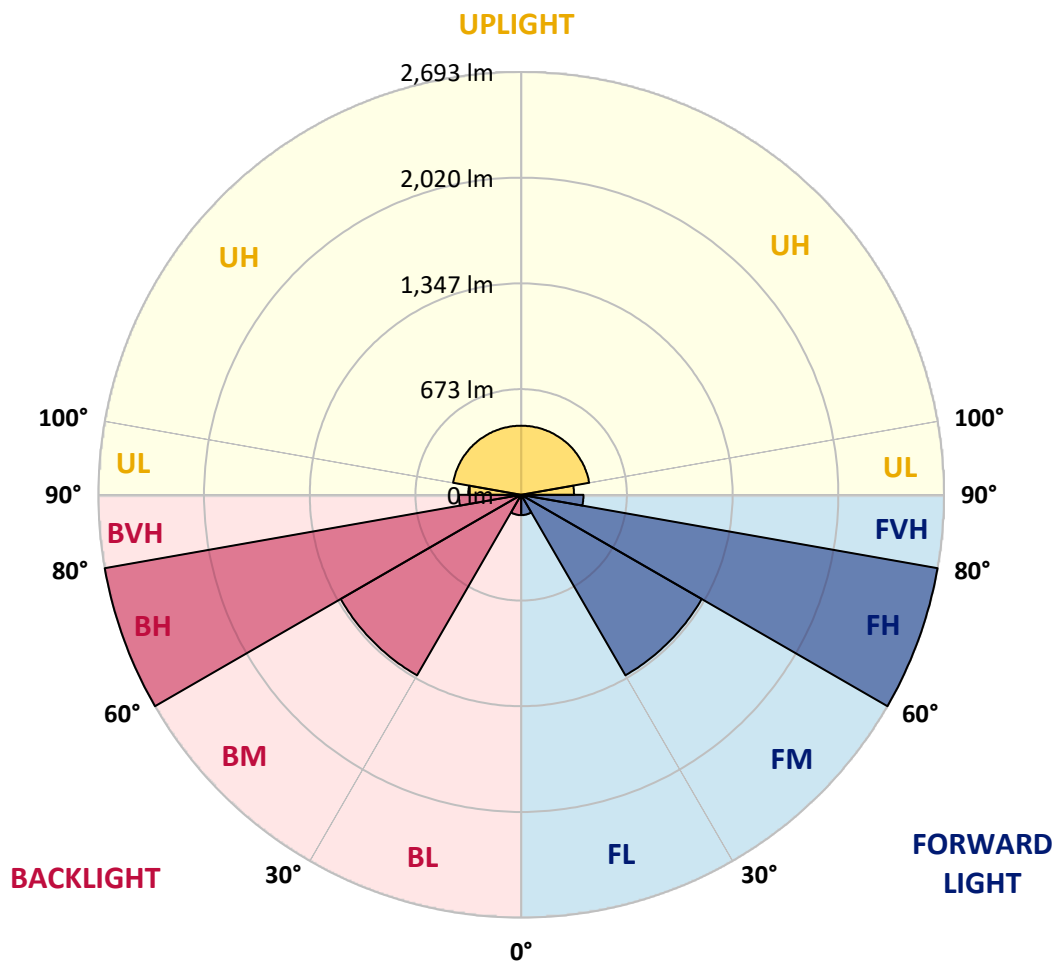
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.5	1.3			
FM (30°-60°)	1327.5	13.3			
FH (60°-80°)	2693.2	27.0			G2/5000
FVH (80°-90°)	396.4	4.0			G3/500
BL (0°-30°)	129.5	1.3	B1/500		
BM (30°-60°)	1327.5	13.3	B2/2500		
BH (60°-80°)	2693.2	27.0	B4/5000		G2/5000
BVH (80°-90°)	396.4	4.0			G3/500
UL (90°-100°)	336.8	3.4		U3/500	
UH (100°-180°)	440.0	4.4		U3/500	

BUG Rating: B4-U4-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	78.7
2.5°	96.7
5°	122.9
7.5°	150.8
10°	185.2
12.5°	214.7
15°	242.5
17.5°	268.8
20°	293.3
22.5°	322.8
25°	355.6
27.5°	424.4
30°	488.4
32.5°	540.8
35°	558.8
37.5°	621.1
40°	703.0
42.5°	785.0
45°	863.6
47.5°	904.6
50°	966.9
52.5°	1219.3
55°	1707.6
57.5°	2310.7
60°	2938.4
62.5°	3346.4
65°	3259.6
67.5°	2999.0
70°	2727.0
72.5°	2461.5
75°	2266.5
77.5°	1914.1
80°	1434.0
82.5°	963.6
85°	601.4
87.5°	435.9
90°	388.4
92.5°	352.3
95°	313.0
97.5°	260.6
100°	227.8
102.5°	195.0
105°	177.0
107.5°	159.0
110°	145.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	139.3
115°	131.1
117.5°	127.8
120°	118.0
122.5°	119.6
125°	113.1
127.5°	106.5
130°	100.0
132.5°	91.8
135°	85.2
137.5°	75.4
140°	68.8
142.5°	59.0
145°	55.7
147.5°	47.5
150°	41.0
152.5°	37.7
155°	29.5
157.5°	24.6
160°	21.3
162.5°	19.7
165°	18.0
167.5°	18.0
170°	13.1
172.5°	8.2
175°	9.8
177.5°	9.8
180°	9.8

(END OF REPORT)