

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: P14212

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P14212
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CAN/CLB/ARC-080-LED-E-U-55-X-6-X-BK
Description: STREETWORKS POST TOP WITH A TYPE V SOLID TOP REFRACTOR
Light Source: [6]5700K LEDS
Ballast/Driver: [2] ELECTRONIC DRIVERS

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14856.6 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.21')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U5 - G5

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

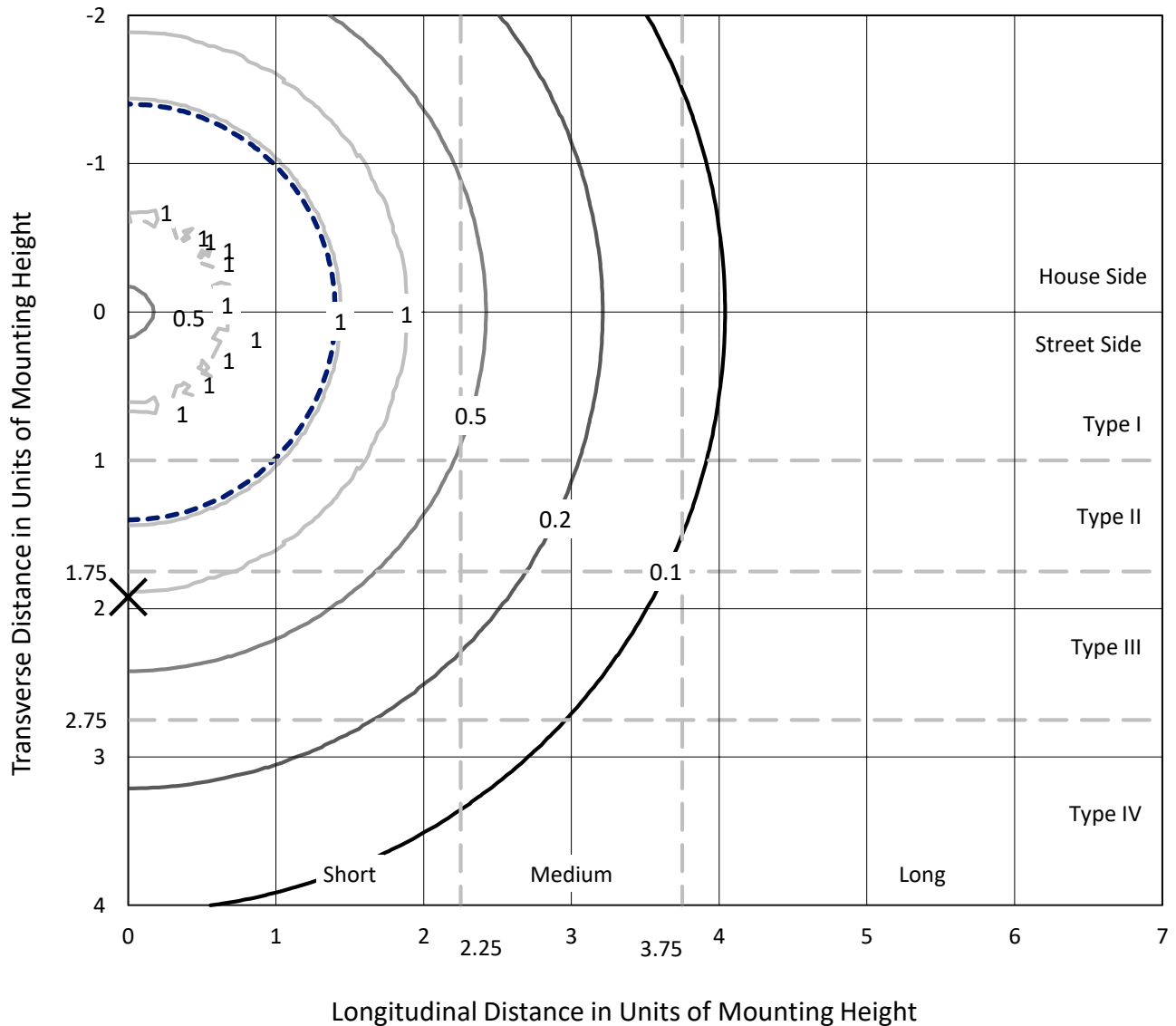


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

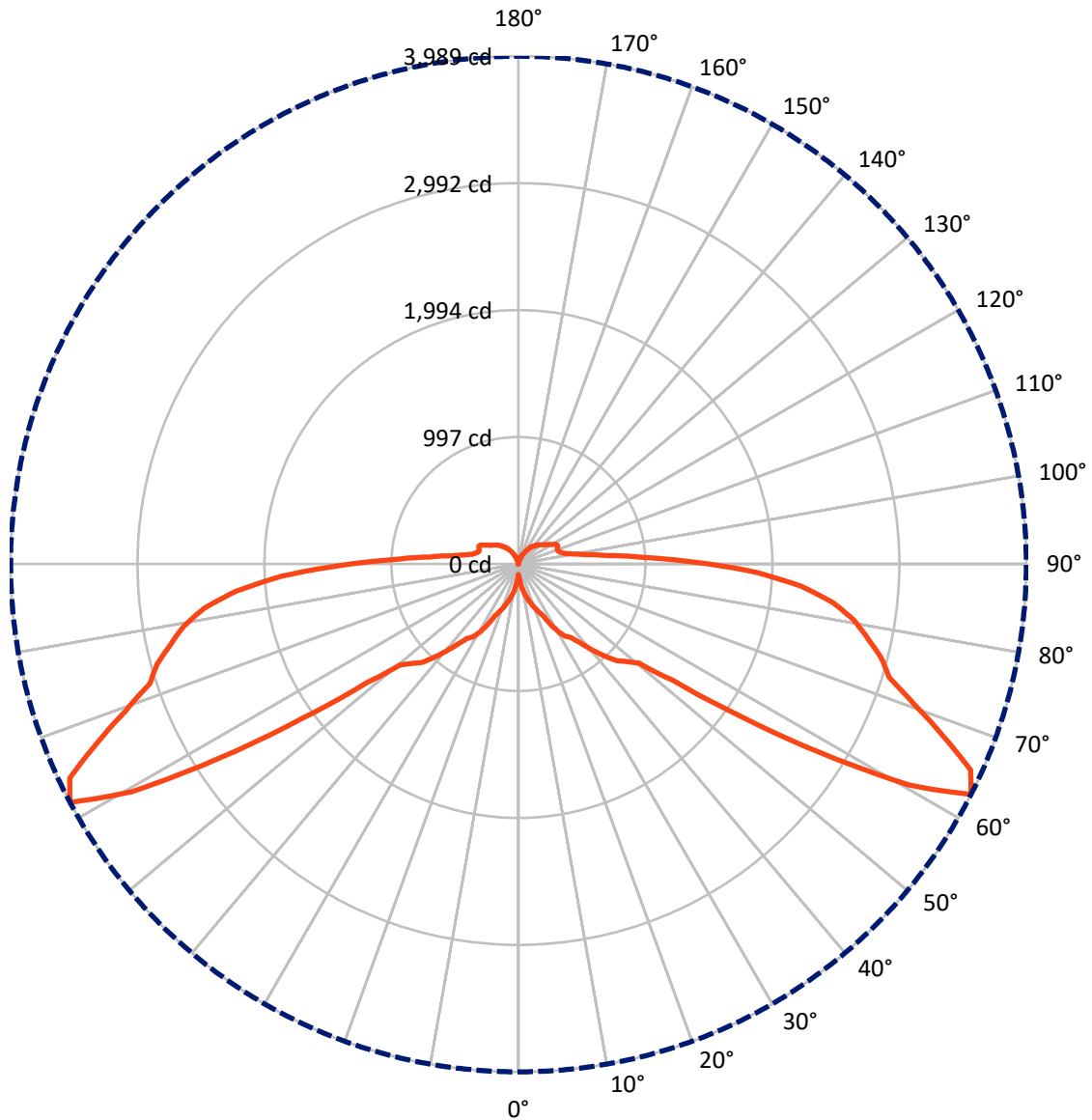


Based on 20 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - Non-Cutoff

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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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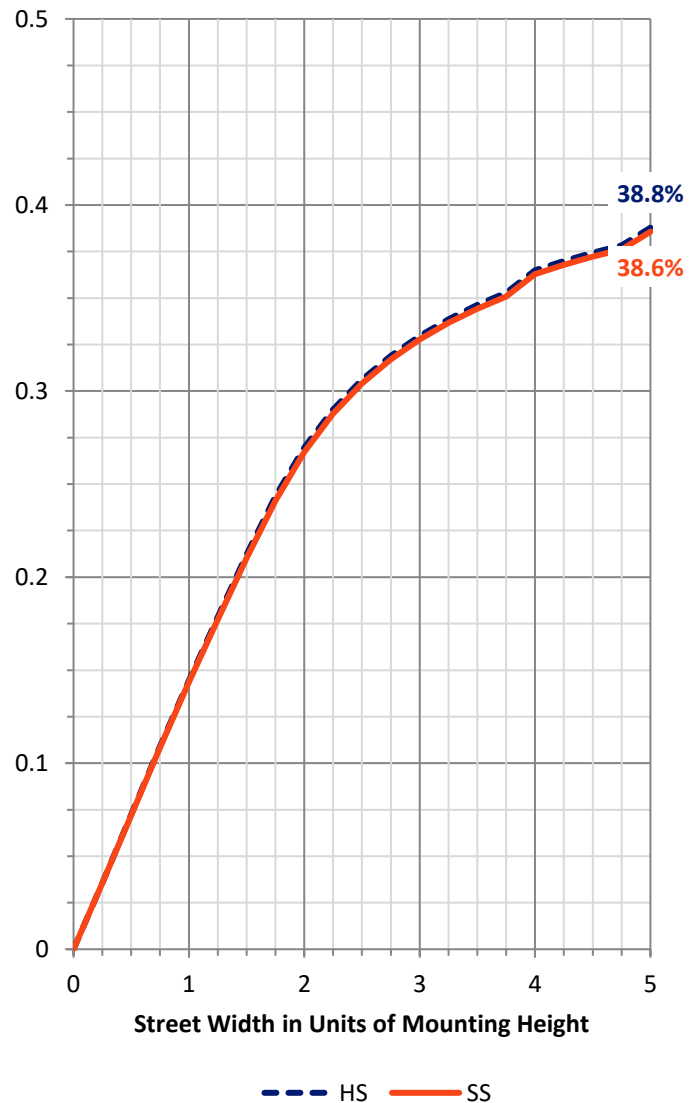
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6377.8	1050.5	7428.3
	% Fixture	42.9	7.1	50.0
Street Side	Lumens	6377.8	1050.5	7428.3
	% Fixture	42.9	7.1	50.0
Total	Lumens	12755.6	2101.1	14856.6
	% Fixture	85.9	14.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.1
10°-20°	85.2	0.6
20°-30°	221.2	1.5
30°-40°	461.0	3.1
40°-50°	828.9	5.6
50°-60°	1990.2	13.4
60°-70°	3693.1	24.9
70°-80°	3111.7	20.9
80°-90°	2348.5	15.8
90°-100°	854.8	5.8
100°-110°	375.9	2.5
110°-120°	327.3	2.2
120°-130°	237.1	1.6
130°-140°	160.9	1.1
140°-150°	94.5	0.6
150°-160°	40.4	0.3
160°-170°	9.7	0.1
170°-180°	0.5	0.0
0°-90°	12755.6	85.9
0°-180°	14856.6	100.0



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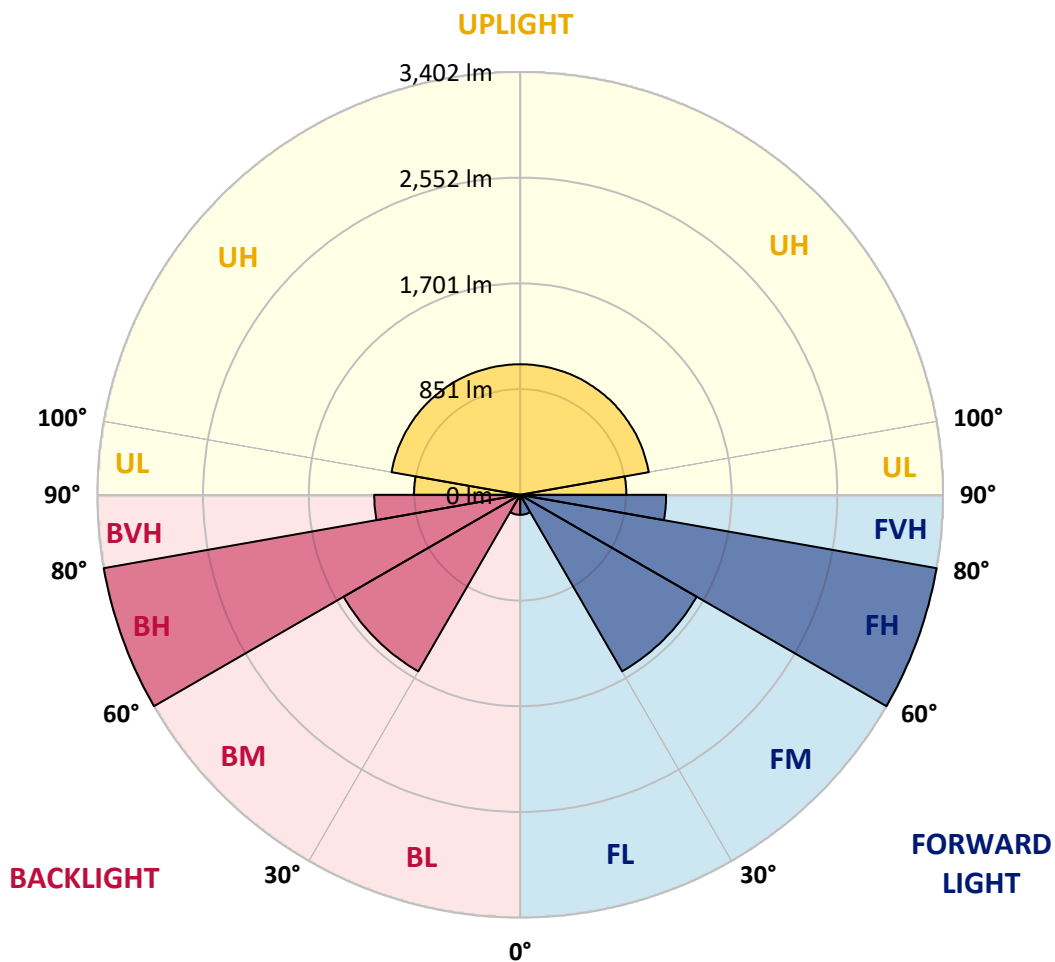
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.1	1.1			
FM (30°-60°)	1640.1	11.0			
FH (60°-80°)	3402.4	22.9			G2/5000
FVH (80°-90°)	1174.3	7.9			G5
BL (0°-30°)	161.1	1.1	B1/500		
BM (30°-60°)	1640.1	11.0	B2/2500		
BH (60°-80°)	3402.4	22.9	B4/5000		G2/5000
BVH (80°-90°)	1174.3	7.9			G5
UL (90°-100°)	854.8	5.8		U4/1000	
UH (100°-180°)	1050.5	7.1		U5	

BUG Rating: B4-U5-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	82.5
2.5°	106.3
5°	138.1
7.5°	176.1
10°	219.0
12.5°	255.5
15°	293.5
17.5°	328.4
20°	369.7
22.5°	404.6
25°	450.6
27.5°	534.7
30°	615.6
32.5°	675.8
35°	707.7
37.5°	783.7
40°	882.2
42.5°	983.6
45°	1083.7
47.5°	1143.9
50°	1221.7
52.5°	1515.2
55°	2097.5
57.5°	2797.1
60°	3522.2
62.5°	3988.7
65°	3903.0
67.5°	3593.6
70°	3293.8
72.5°	3044.6
75°	2943.0
77.5°	2803.4
80°	2671.8
82.5°	2489.3
85°	2226.0
87.5°	1865.8
90°	1397.8
92.5°	985.3
95°	701.2
97.5°	529.9
100°	428.3
102.5°	369.7
105°	344.3
107.5°	328.4
110°	326.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	333.2
115°	341.1
117.5°	330.0
120°	301.5
122.5°	280.9
125°	260.2
127.5°	245.9
130°	233.2
132.5°	220.5
135°	209.5
137.5°	191.9
140°	179.3
142.5°	163.4
145°	152.4
147.5°	133.3
150°	115.9
152.5°	99.9
155°	82.5
157.5°	73.0
160°	58.6
162.5°	41.2
165°	31.7
167.5°	20.6
170°	11.1
172.5°	1.5
175°	4.8
177.5°	4.8
180°	3.2

(END OF REPORT)