

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: P853287

Luminaire Tested: **CRTK-N-20-727-U-T5R-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-20-727-U-T5R-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

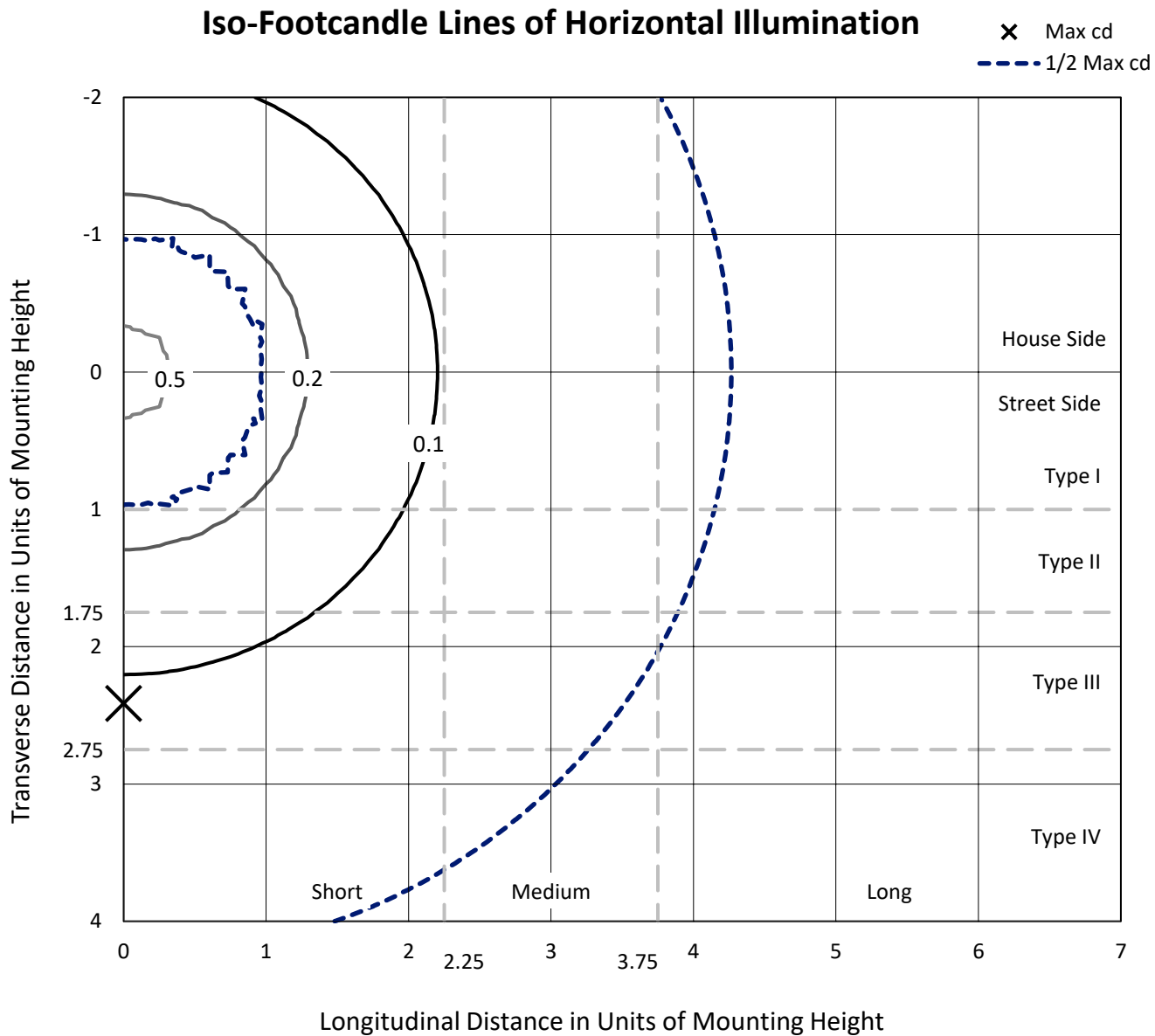
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3244 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

Input Watts (W): 23.2
Input Voltage (V): 120.0
Input Current (Ain): 0.196
Voltage Rise (V): NR
Power Factor: 0.9875
Total Harmonic Distortion (THDi): 10%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

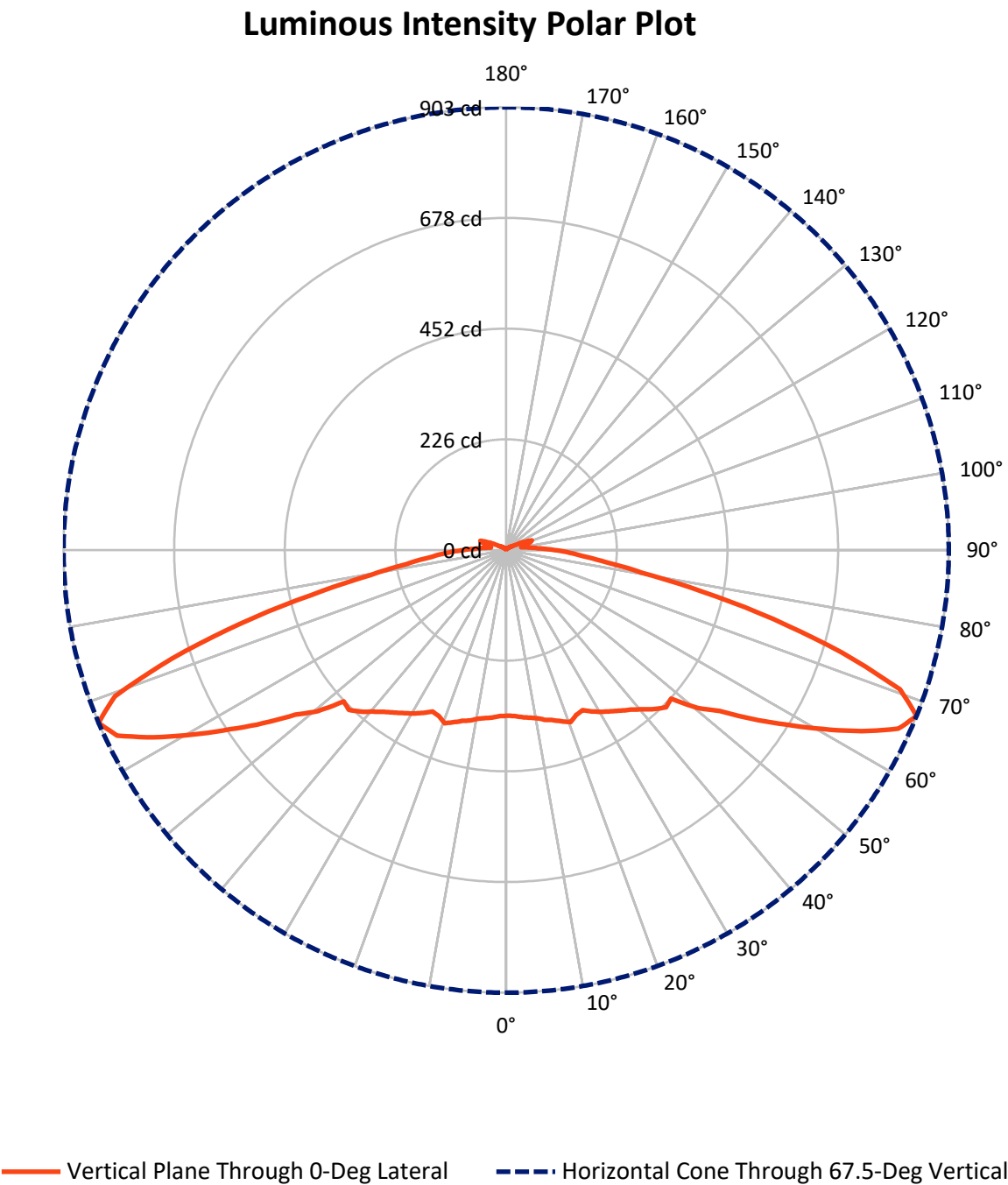


REPORT NUMBER: P853287
CATALOG NUMBER: CRTK-N-20-727-U-T5R-CNR



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
Type V - Short - N/A

REPORT NUMBER: P853287
CATALOG NUMBER: CRTK-N-20-727-U-T5R-CNR



REPORT NUMBER: P853287

CATALOG NUMBER: CRTK-N-20-727-U-T5R-CNR

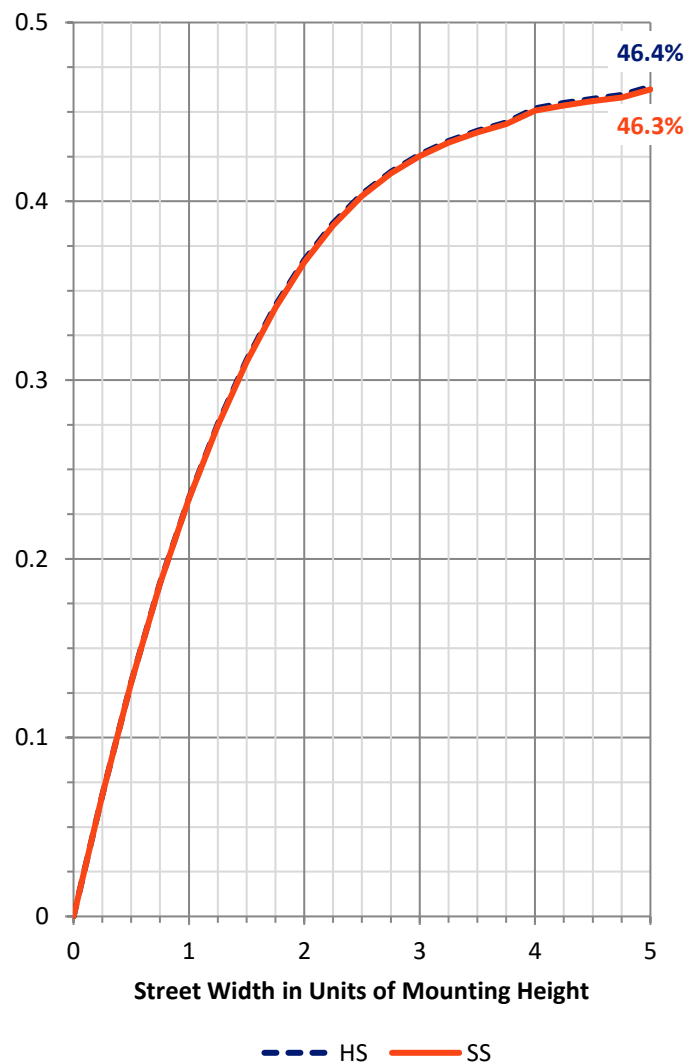
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1543.2	78.7	1622.0
	% Fixture	47.6	2.4	50.0
Street Side	Lumens	1543.2	78.7	1622.0
	% Fixture	47.6	2.4	50.0
Total	Lumens	3086.5	157.5	3244.0
	% Fixture	95.1	4.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.9	1.0
10°-20°	102.8	3.2
20°-30°	171.4	5.3
30°-40°	254.0	7.8
40°-50°	353.3	10.9
50°-60°	551.6	17.0
60°-70°	843.2	26.0
70°-80°	594.4	18.3
80°-90°	183.0	5.6
90°-100°	58.9	1.8
100°-110°	44.0	1.4
110°-120°	34.8	1.1
120°-130°	10.9	0.3
130°-140°	5.0	0.2
140°-150°	2.3	0.1
150°-160°	1.1	0.0
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-90°	3086.5	95.1
0°-180°	3244.0	100.0

Coefficient of Utilization



REPORT NUMBER: P853287

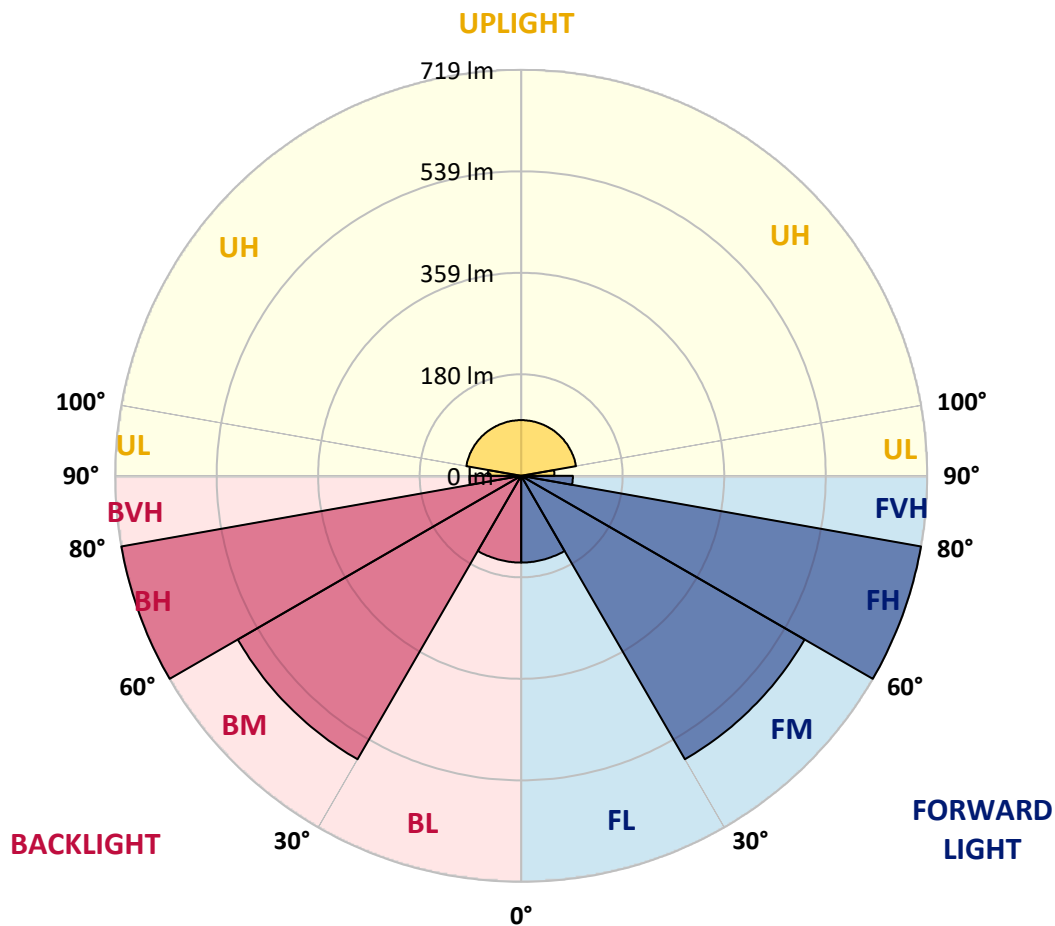
CATALOG NUMBER: CRTK-N-20-727-U-T5R-CNR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.5	4.7			
FM	(30°-60°)	579.4	17.9			
FH	(60°-80°)	718.8	22.2			G1/1800
FVH	(80°-90°)	91.5	2.8			G1/100
BL	(0°-30°)	153.5	4.7	B1/500		
BM	(30°-60°)	579.4	17.9	B1/1000		
BH	(60°-80°)	718.8	22.2	B2/1000		G1/1800
BVH	(80°-90°)	91.5	2.8			G1/100
UL	(90°-100°)	58.9	1.8		U3/500	
UH	(100°-180°)	98.6	3.0		U3/500	

BUG Rating: B2-U3-G1

Type V Short



REPORT NUMBER: P853287

CATALOG NUMBER: CRTK-N-20-727-U-T5R-CNR

CANDELA DISTRIBUTION (FULL):

0°	
0°	338.2
2.5°	339.1
5°	342.8
7.5°	345.5
10°	349.2
12.5°	355.6
15°	360.2
17.5°	367.6
20°	374.9
22.5°	365.8
25°	362.1
27.5°	373.1
30°	383.2
32.5°	392.4
35°	402.5
37.5°	413.5
40°	427.3
42.5°	443.9
45°	457.7
47.5°	453.1
50°	506.4
52.5°	545.9
55°	608.4
57.5°	671.8
60°	741.6
62.5°	814.2
65°	879.5
67.5°	903.4
70°	852.8
72.5°	716.8
75°	563.3
77.5°	408.9
80°	281.2
82.5°	204.9
85°	156.2
87.5°	124.1
90°	91.9
92.5°	65.2
95°	50.5
97.5°	38.6
100°	31.2
102.5°	32.2
105°	39.5
107.5°	51.5
110°	56.1

REPORT NUMBER: P853287

CATALOG NUMBER: CRTK-N-20-727-U-T5R-CNR

CANDELA DISTRIBUTION (continued):

	0°
112.5°	45.0
115°	34.9
117.5°	23.0
120°	16.5
122.5°	13.8
125°	11.9
127.5°	10.1
130°	8.3
132.5°	7.4
135°	6.4
137.5°	5.5
140°	4.6
142.5°	3.7
145°	3.7
147.5°	3.7
150°	2.8
152.5°	2.8
155°	2.8
157.5°	1.8
160°	1.8
162.5°	1.8
165°	1.8
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)