

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: P853297

Luminaire Tested: **CRTK-N-20-730-U-T5R-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-20-730-U-T5R-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

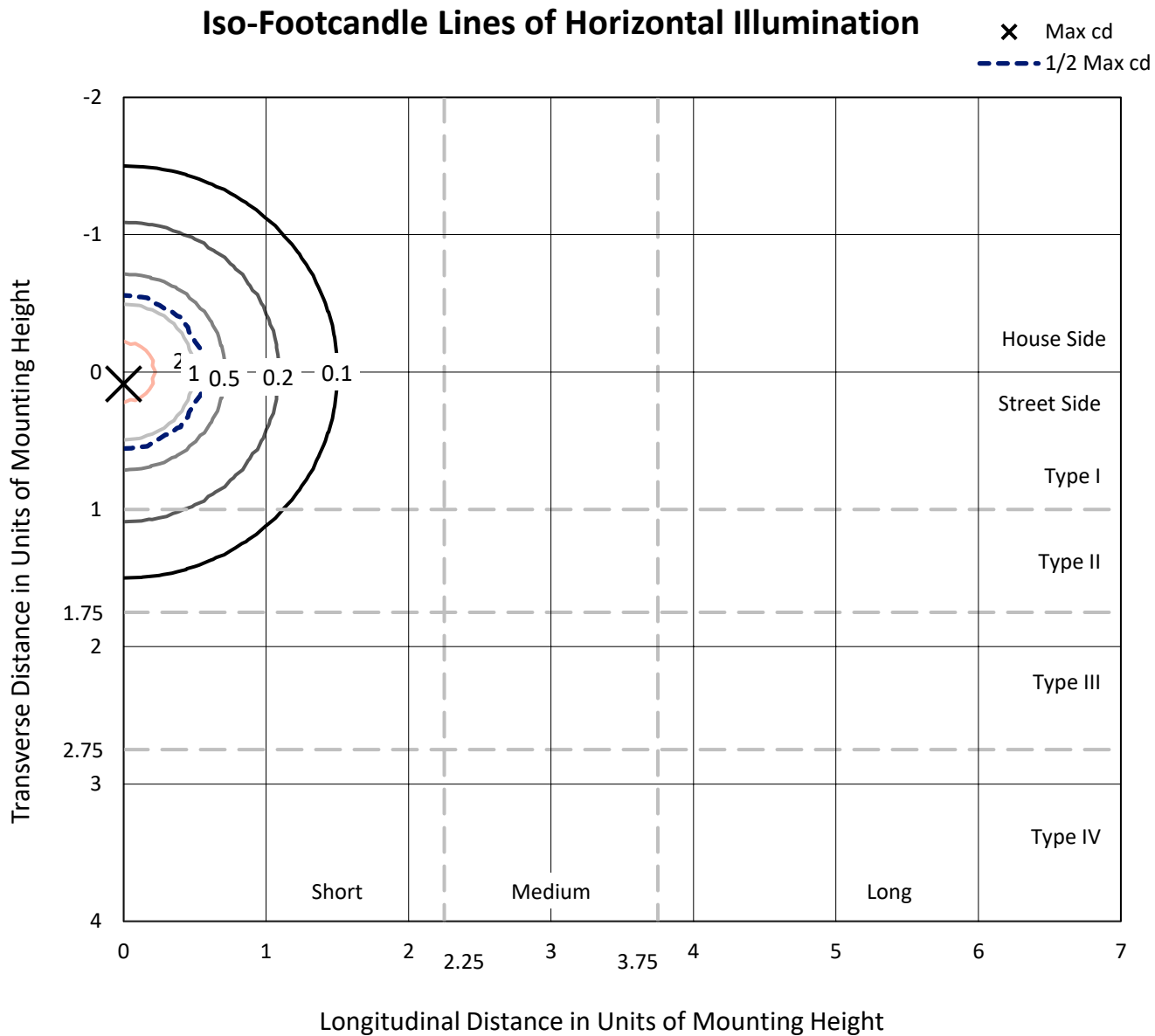
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2973 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B1 - 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: P853297
CATALOG NUMBER: CRTK-N-20-730-U-T5R-RMARROA5

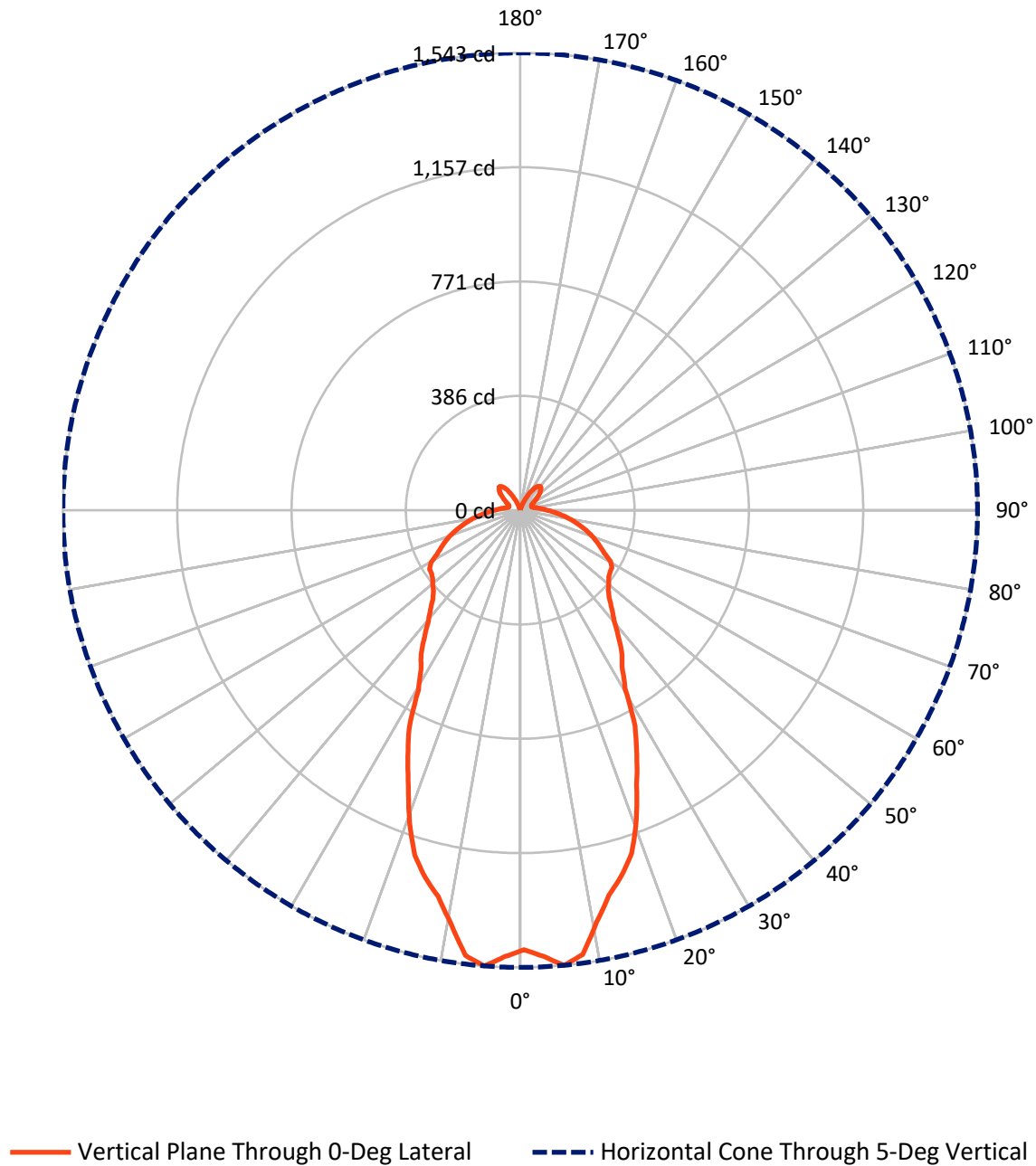


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type V - Short - N/A

REPORT NUMBER: P853297

CATALOG NUMBER: CRTK-N-20-730-U-T5R-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P853297

CATALOG NUMBER: CRTK-N-20-730-U-T5R-RMARROA5

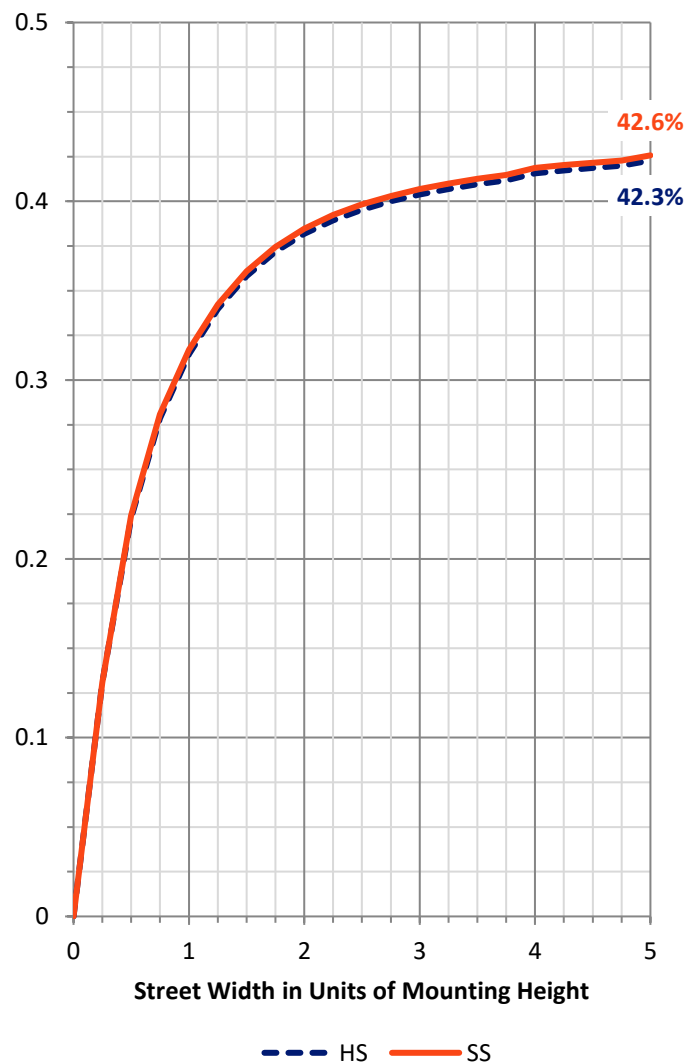
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1298.2	188.3	1486.5
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	1298.2	188.3	1486.5
	% Fixture	43.7	6.3	50.0
Total	Lumens	2596.3	376.7	2973.0
	% Fixture	87.3	12.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	4.8
10°-20°	357.2	12.0
20°-30°	417.2	14.0
30°-40°	366.5	12.3
40°-50°	330.0	11.1
50°-60°	330.6	11.1
60°-70°	295.4	9.9
70°-80°	221.2	7.4
80°-90°	135.1	4.5
90°-100°	72.1	2.4
100°-110°	44.8	1.5
110°-120°	44.3	1.5
120°-130°	61.0	2.1
130°-140°	75.9	2.6
140°-150°	57.4	1.9
150°-160°	19.2	0.6
160°-170°	2.0	0.1
170°-180°	0.0	0.0
0°-90°	2596.3	87.3
0°-180°	2973.0	100.0

Coefficient of Utilization



REPORT NUMBER: P853297

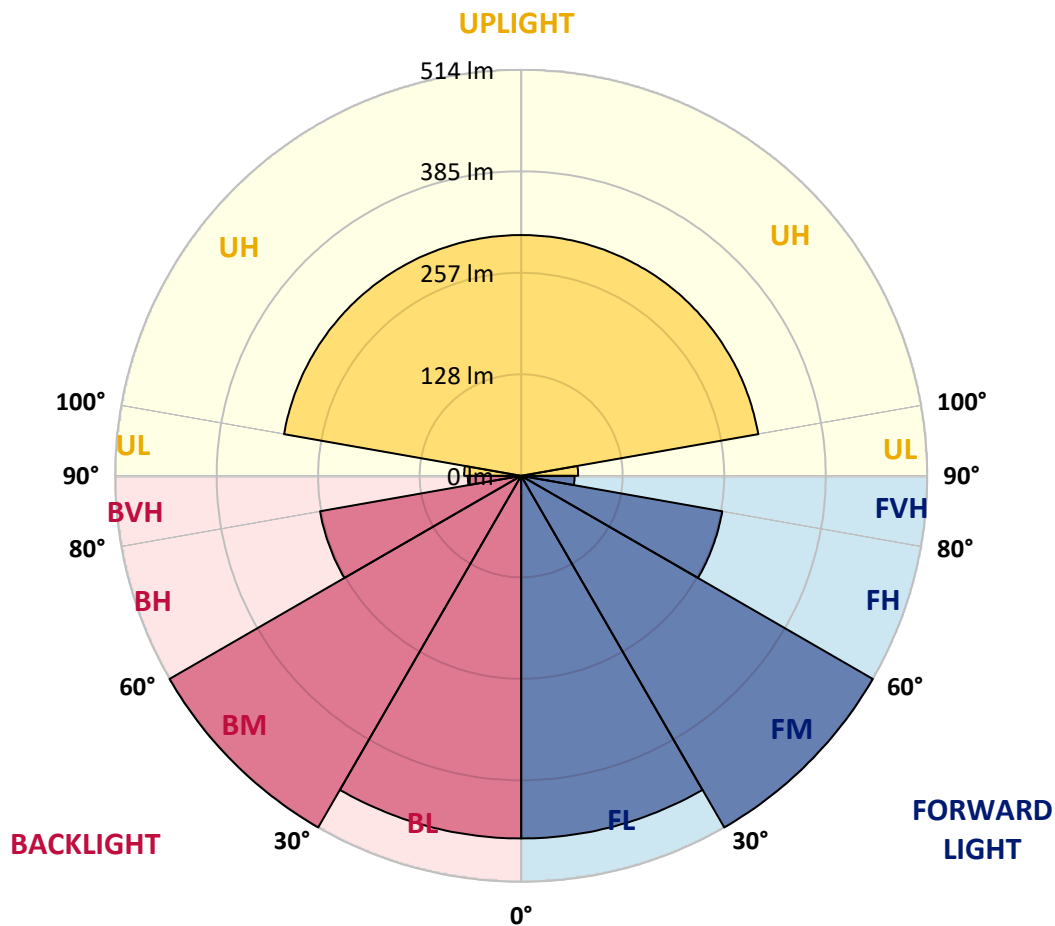
CATALOG NUMBER: CRTK-N-20-730-U-T5R-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	458.7	15.4			
FM	(30°-60°)	513.6	17.3			
FH	(60°-80°)	258.3	8.7			G0/660
FVH	(80°-90°)	67.6	2.3			G1/100
BL	(0°-30°)	458.7	15.4	B1/500		
BM	(30°-60°)	513.6	17.3	B1/1000		
BH	(60°-80°)	258.3	8.7	B1/500		G0/660
BVH	(80°-90°)	67.6	2.3			G1/100
UL	(90°-100°)	72.1	2.4		U3/500	
UH	(100°-180°)	304.5	10.2		U3/500	

BUG Rating: B1-U3-G1

Type V Short



REPORT NUMBER: P853297

CATALOG NUMBER: CRTK-N-20-730-U-T5R-RMARROA5

CANDELA DISTRIBUTION (FULL):

0°	
0°	1482.9
2.5°	1507.7
5°	1542.9
7.5°	1514.3
10°	1414.3
12.5°	1332.4
15°	1280.0
17.5°	1217.2
20°	1118.1
22.5°	1005.8
25°	913.4
27.5°	824.8
30°	697.2
32.5°	630.5
35°	590.5
37.5°	536.2
40°	487.6
42.5°	452.4
45°	420.0
47.5°	400.0
50°	387.6
52.5°	374.3
55°	367.6
57.5°	364.8
60°	349.5
62.5°	318.1
65°	296.2
67.5°	276.2
70°	255.2
72.5°	232.4
75°	208.6
77.5°	186.7
80°	164.8
82.5°	142.9
85°	122.9
87.5°	103.8
90°	87.6
92.5°	75.2
95°	64.8
97.5°	56.2
100°	48.6
102.5°	43.8
105°	41.0
107.5°	40.0
110°	40.0

REPORT NUMBER: P853297

CATALOG NUMBER: CRTK-N-20-730-U-T5R-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°
112.5°	41.0
115°	43.8
117.5°	47.6
120°	53.3
122.5°	60.0
125°	67.6
127.5°	76.2
130°	85.7
132.5°	93.3
135°	100.0
137.5°	104.8
140°	104.8
142.5°	101.0
145°	93.3
147.5°	81.9
150°	67.6
152.5°	52.4
155°	38.1
157.5°	26.7
160°	17.1
162.5°	10.5
165°	4.8
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)