

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: P691255

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3734 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 32.7
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: 24 FT



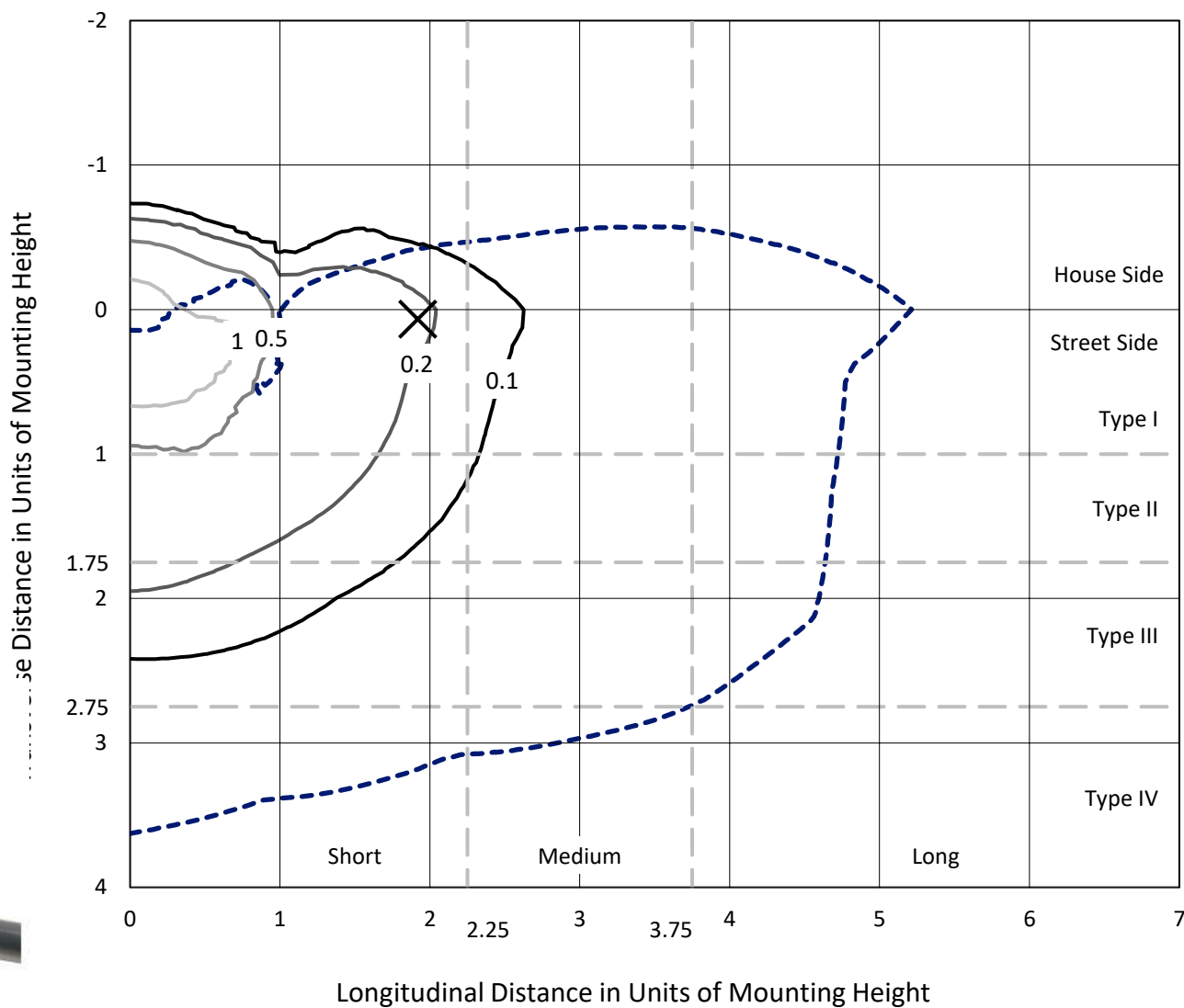
REPORT NUMBER: P691255

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

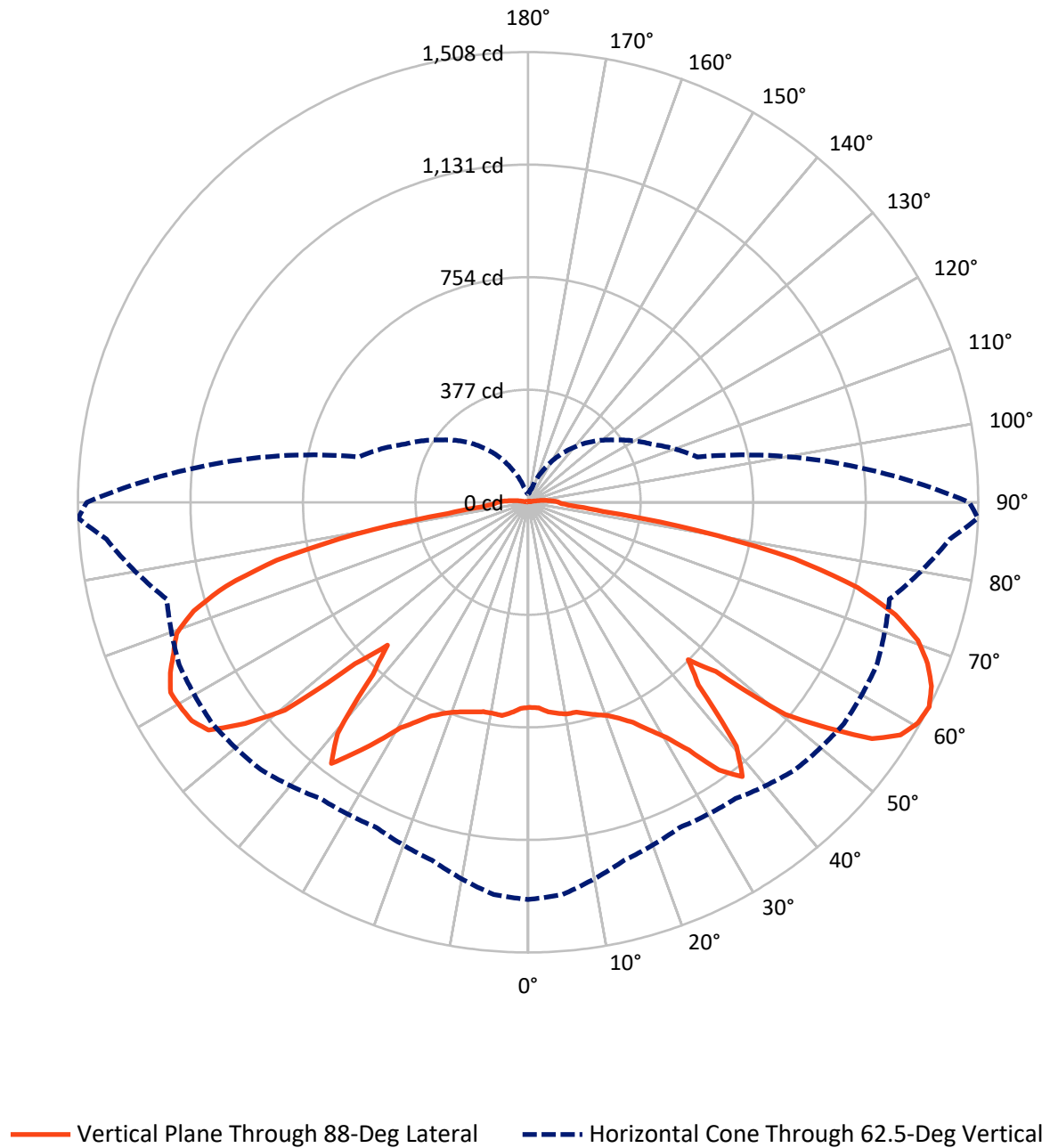


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P691255

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691255

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

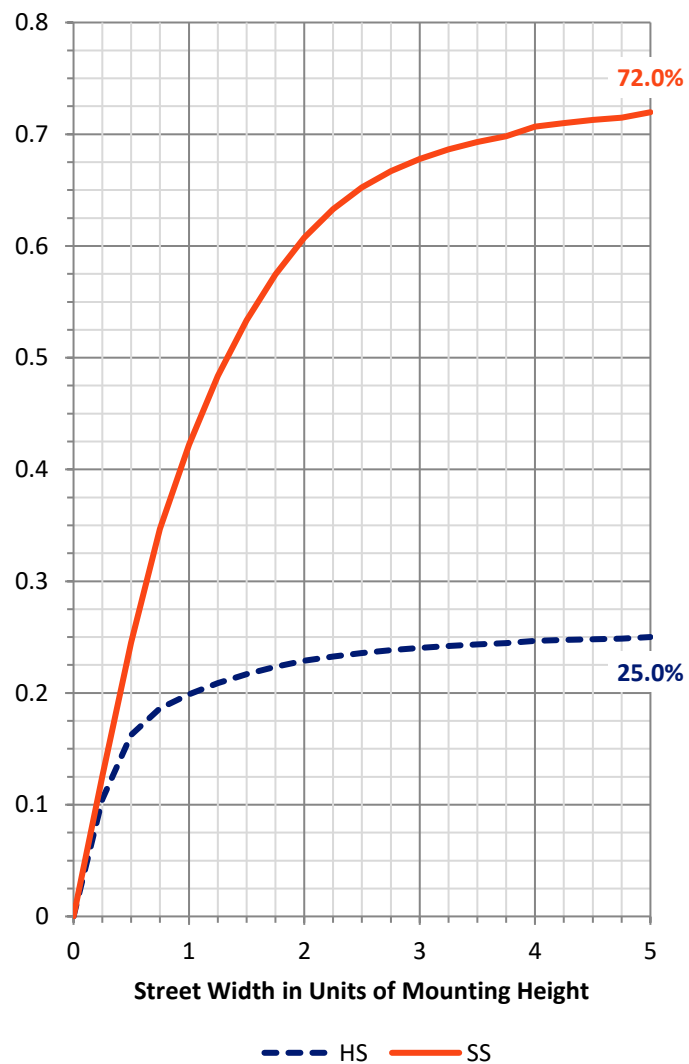
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	950.0	17.9	967.9
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	2722.0	44.2	2766.2
	% Fixture	72.9	1.2	74.1
Total	Lumens	3672.0	62.1	3734.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	1.8
10°-20°	206.6	5.5
20°-30°	350.0	9.4
30°-40°	483.1	12.9
40°-50°	417.8	11.2
50°-60°	604.9	16.2
60°-70°	791.8	21.2
70°-80°	600.3	16.1
80°-90°	149.8	4.0
90°-100°	44.1	1.2
100°-110°	10.2	0.3
110°-120°	4.6	0.1
120°-130°	2.9	0.1
130°-140°	0.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3672.0	98.3
0°-180°	3734.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691255

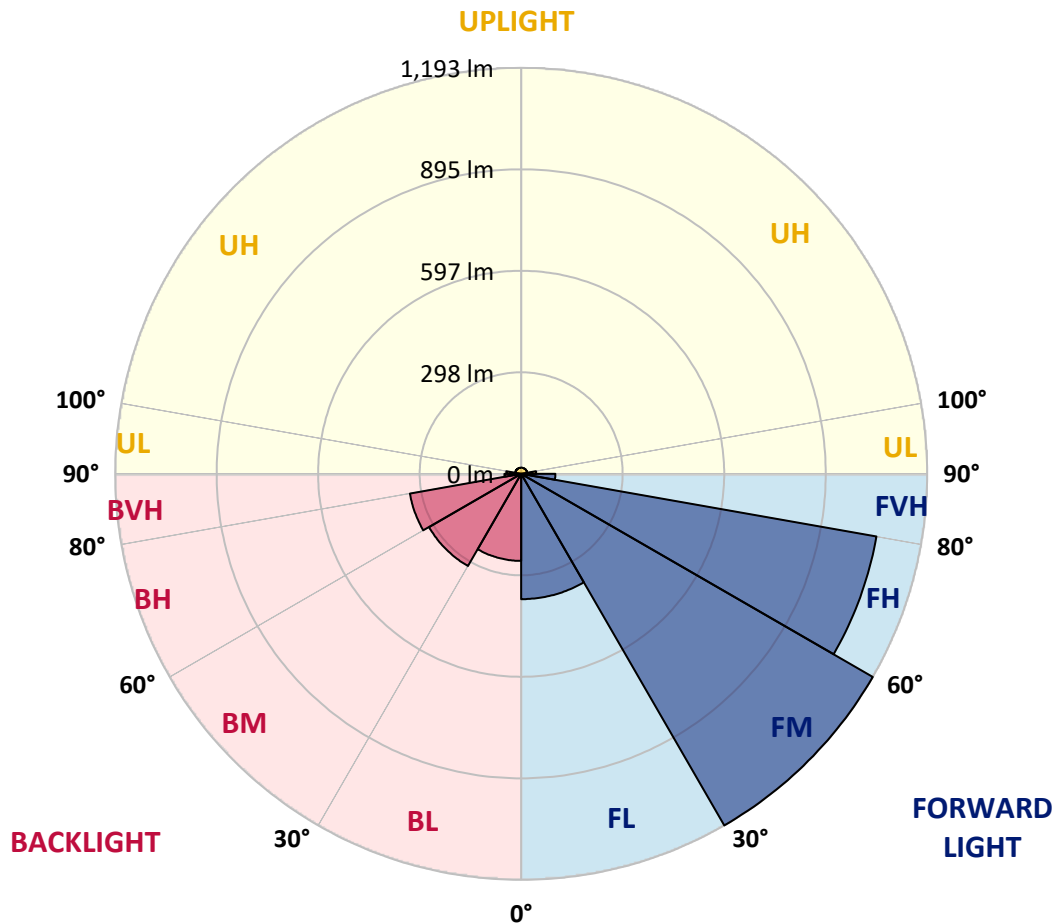
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	368.4	9.9			
FM	(30°-60°)	1193.0	31.9			
FH	(60°-80°)	1060.0	28.4			G1/1800
FVH	(80°-90°)	100.6	2.7			G2/225
BL	(0°-30°)	255.9	6.9	B1/500		
BM	(30°-60°)	312.8	8.4	B1/1000		
BH	(60°-80°)	332.1	8.9	B1/500		G1/500
BVH	(80°-90°)	49.2	1.3			G1/100
UL	(90°-100°)	44.1	1.2		U2/50	
UH	(100°-180°)	18.0	0.5		U2/50	

BUG Rating: B1-U2-G2

Type IV Short



REPORT NUMBER: P691255

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	8.6	8.6	8.6	8.6	8.6	7.2	7.2	7.2	7.2	5.7	5.7
115°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	5.7	5.7
117.5°	7.2	7.2	7.2	7.2	7.2	7.2	5.7	5.7	5.7	7.2	5.7
120°	7.2	7.2	7.2	7.2	5.7	5.7	5.7	5.7	5.7	5.7	5.7
122.5°	7.2	7.2	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
125°	5.7	5.7	5.7	5.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3
127.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
130°	4.3	4.3	4.3	4.3	4.3	4.3	2.9	2.9	2.9	2.9	2.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691255

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.7	4.3	4.3	2.9	2.9	2.9	1.4	1.4	0.0	0.0	0.0
115°	5.7	4.3	2.9	2.9	2.9	1.4	1.4	1.4	0.0	0.0	0.0
117.5°	5.7	4.3	2.9	2.9	2.9	1.4	1.4	1.4	0.0	0.0	0.0
120°	5.7	4.3	2.9	2.9	1.4	1.4	1.4	1.4	0.0	0.0	0.0
122.5°	5.7	4.3	2.9	2.9	1.4	1.4	1.4	1.4	0.0	0.0	0.0
125°	4.3	2.9	2.9	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
127.5°	4.3	2.9	2.9	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
130°	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)