

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: P691956

Luminaire Tested: **CRTK2-C01HO-D-U-T2-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8899.1 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 79
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

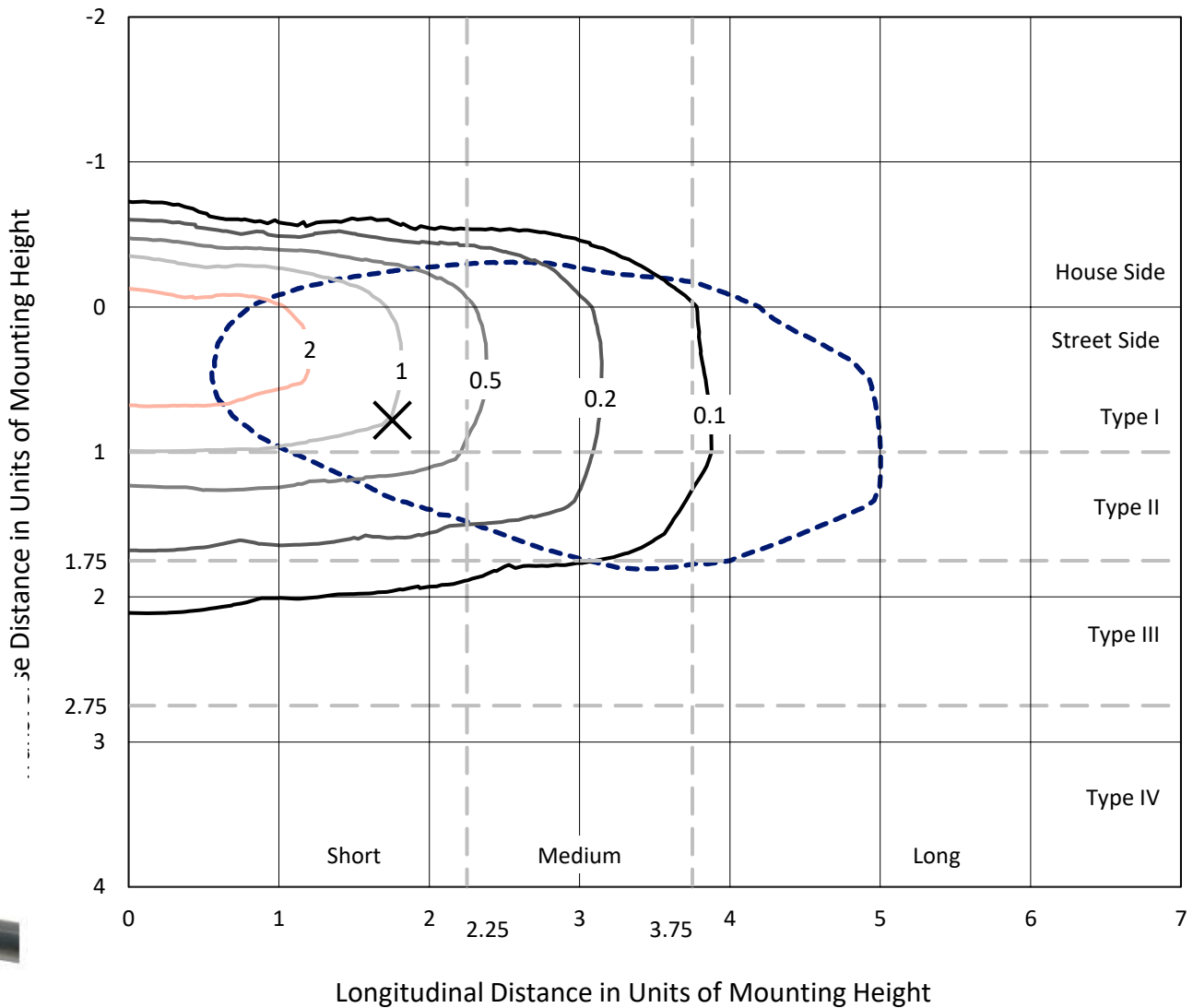


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

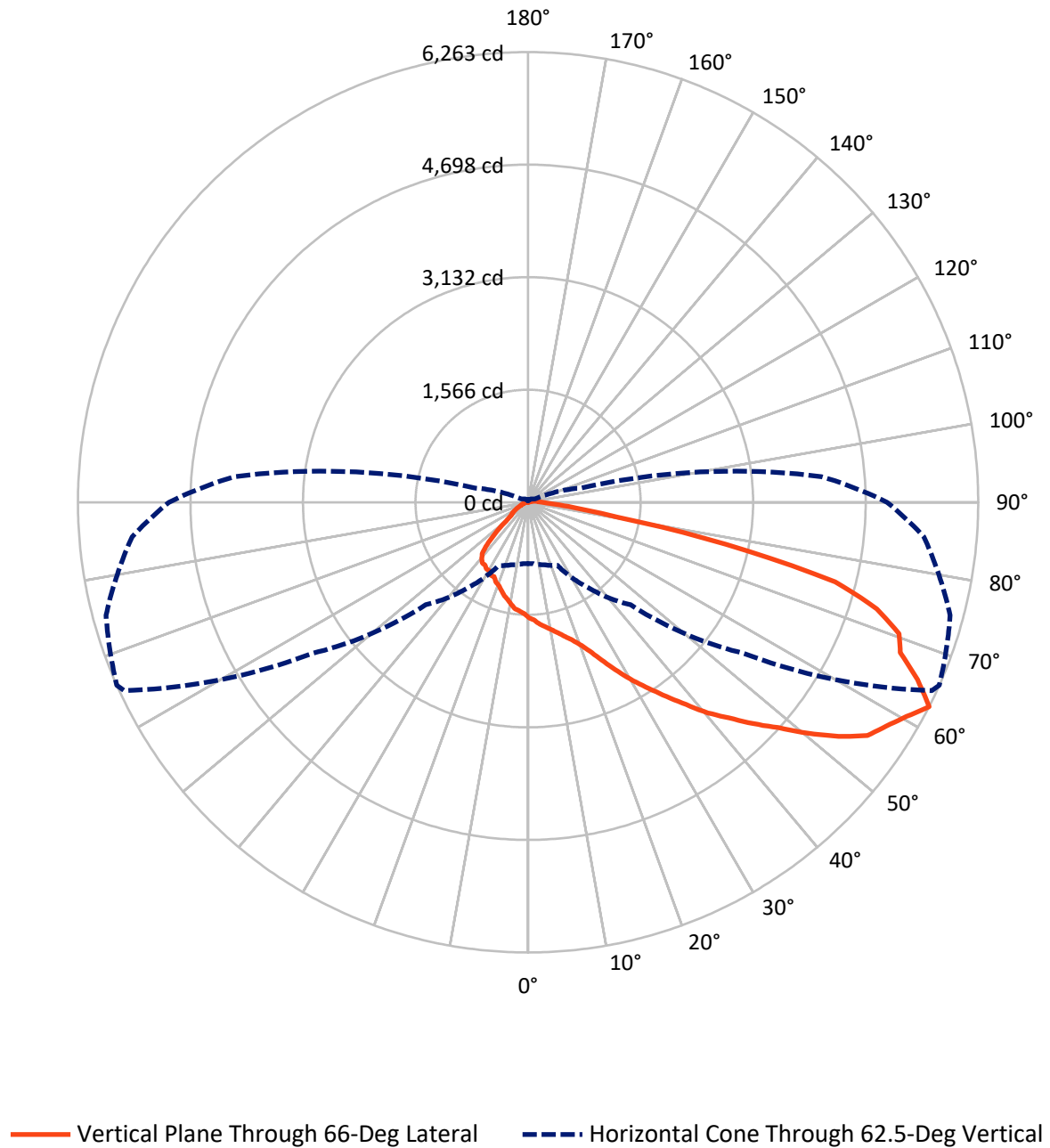


Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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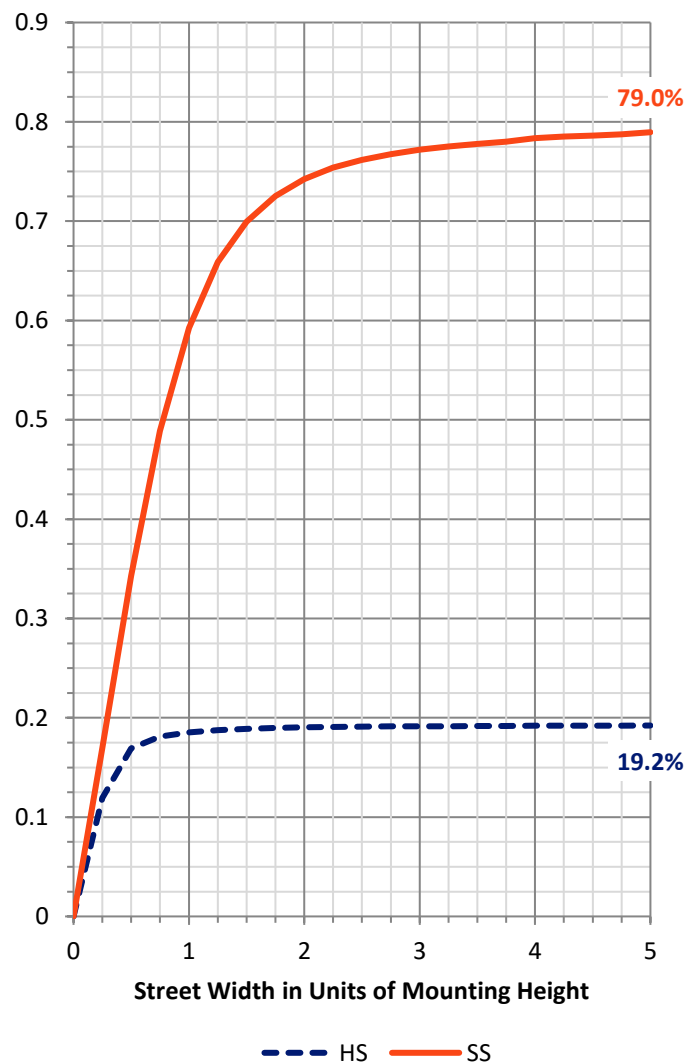
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1735.0	24.5	1759.5
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	7071.7	67.9	7139.5
	% Fixture	79.5	0.8	80.2
Total	Lumens	8806.7	92.4	8899.1
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	1.7
10°-20°	447.8	5.0
20°-30°	753.4	8.5
30°-40°	1120.4	12.6
40°-50°	1482.4	16.7
50°-60°	1726.0	19.4
60°-70°	1723.1	19.4
70°-80°	1156.4	13.0
80°-90°	244.3	2.7
90°-100°	74.4	0.8
100°-110°	13.0	0.1
110°-120°	1.0	0.0
120°-130°	1.1	0.0
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8806.7	99.0
0°-180°	8899.1	100.0

Coefficient of Utilization



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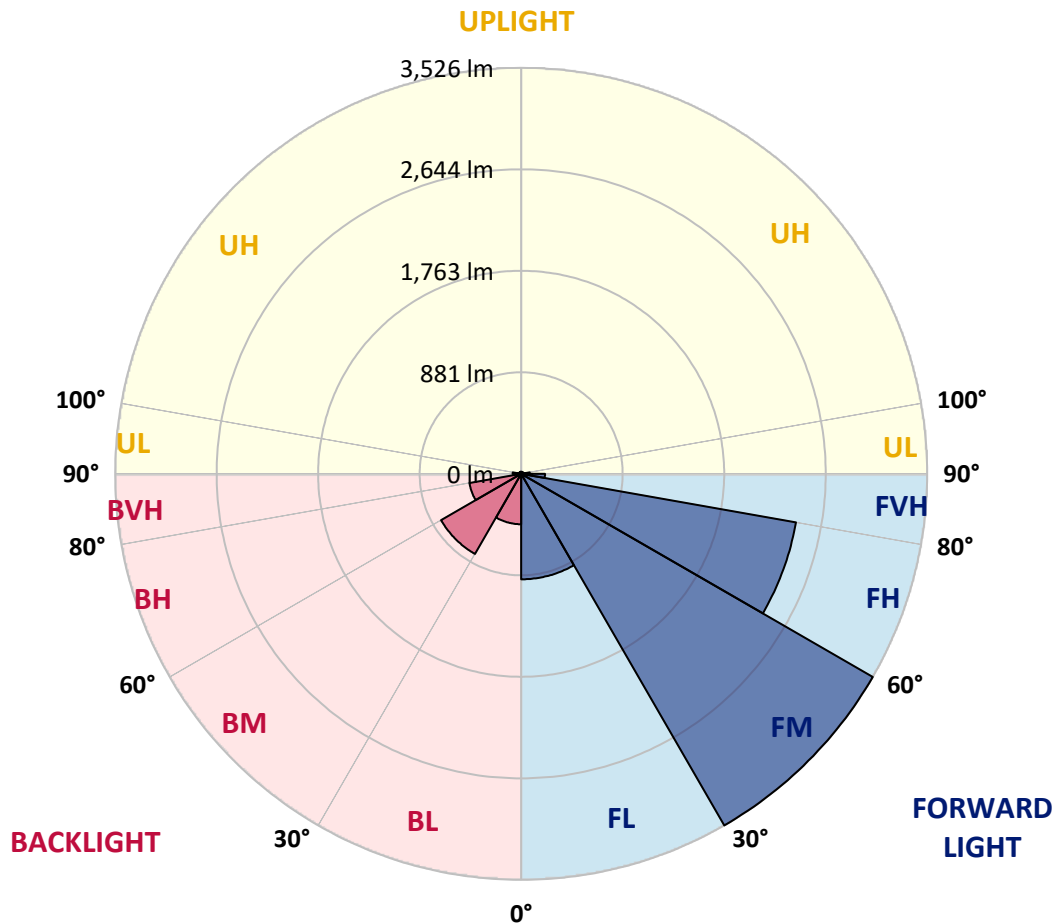
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	916.2	10.3			
FM	(30°-60°)	3525.5	39.6			
FH	(60°-80°)	2423.2	27.2			G2/5000
FVH	(80°-90°)	206.8	2.3			G2/225
BL	(0°-30°)	437.8	4.9	B1/500		
BM	(30°-60°)	803.4	9.0	B1/1000		
BH	(60°-80°)	456.3	5.1	B1/500		G1/500
BVH	(80°-90°)	37.6	0.4			G1/100
UL	(90°-100°)	74.4	0.8		U3/500	
UH	(100°-180°)	17.9	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	3.3
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
120°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
130°	3.3	3.3	3.3	6.6	3.3	3.3	3.3	0.0	0.0	0.0	0.0
132.5°	3.3	3.3	3.3	6.6	3.3	3.3	3.3	0.0	0.0	0.0	0.0
135°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
137.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
140°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
145°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
150°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
152.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
155°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
157.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
160°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
162.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
165°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
170°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
172.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.3	3.3	3.3	3.3	3.3	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)