

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: P691553

Luminaire Tested: **CRTK2-C016-D-U-T5R-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-21)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T5R-7050-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6263 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

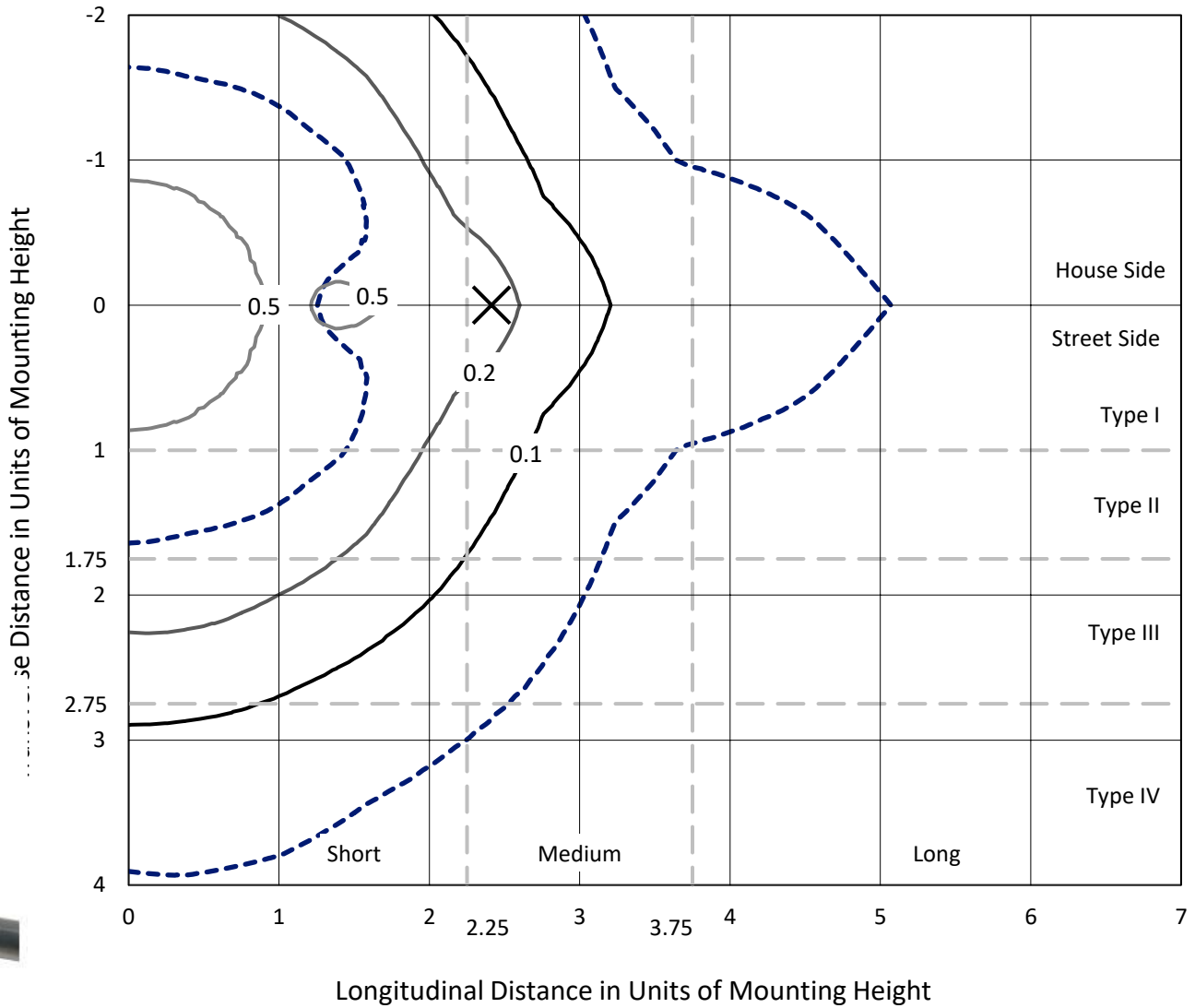
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691553
 CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

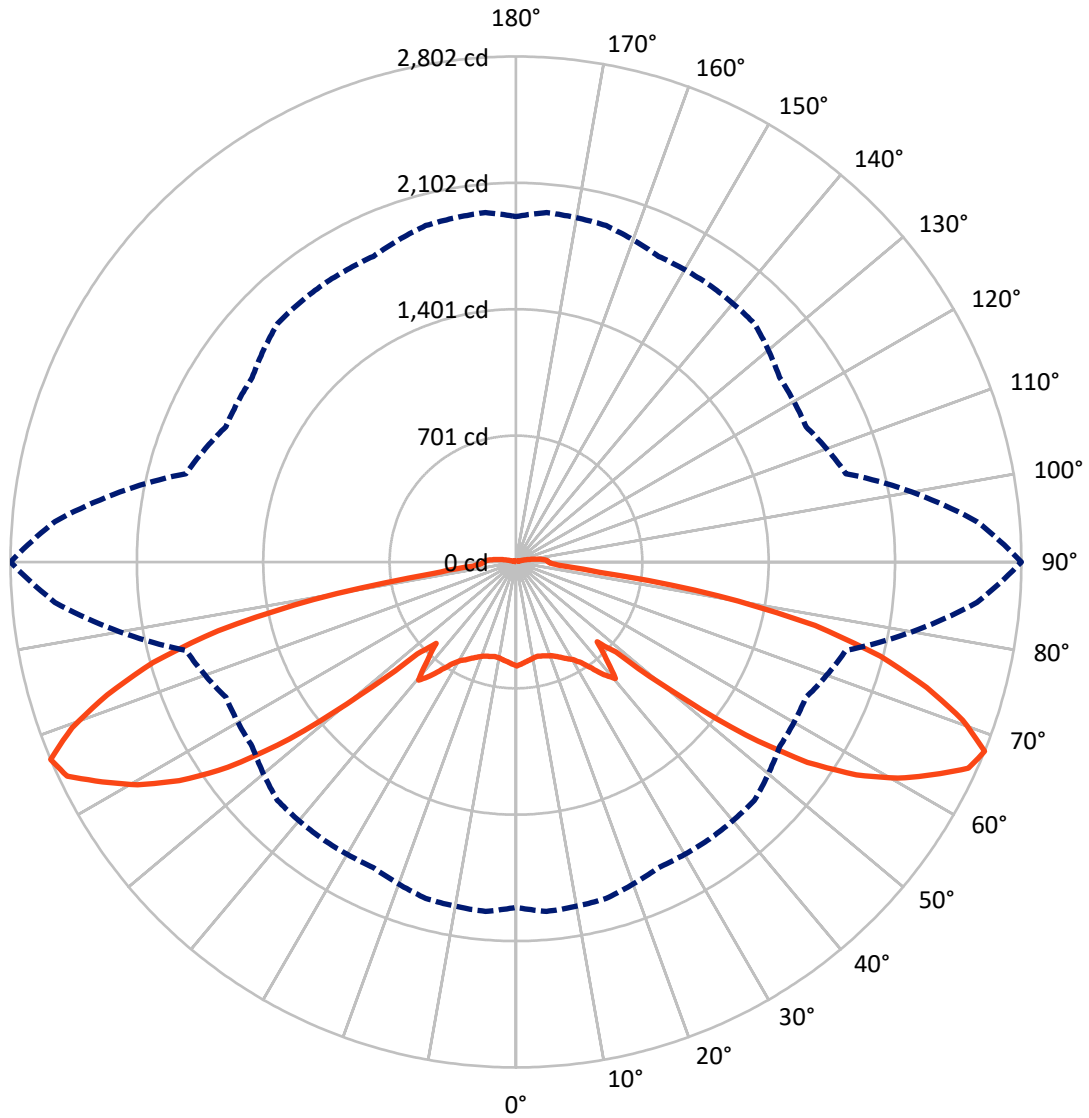
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

REPORT NUMBER: P691553
CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050-SR-CARETAKER

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P691553

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050-SR-CARETAKER

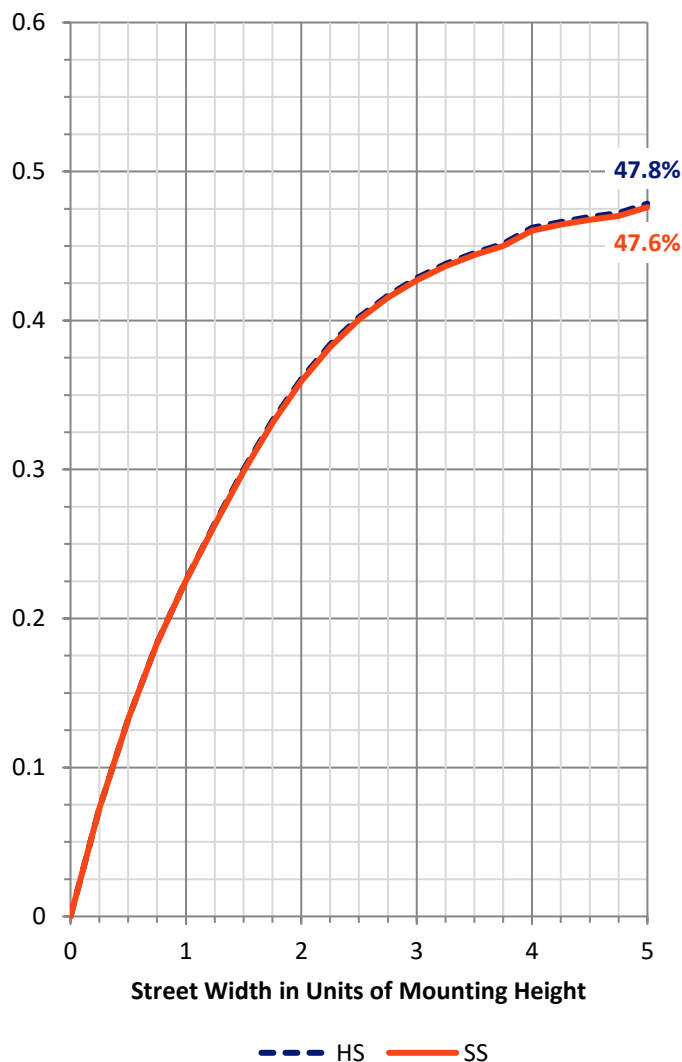
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3040.8	90.7	3131.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	3040.8	90.7	3131.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	6081.6	181.4	6263.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	0.8
10°-20°	148.6	2.4
20°-30°	263.1	4.2
30°-40°	443.8	7.1
40°-50°	497.4	7.9
50°-60°	1029.9	16.4
60°-70°	1812.6	28.9
70°-80°	1498.0	23.9
80°-90°	336.0	5.4
90°-100°	128.5	2.1
100°-110°	36.3	0.6
110°-120°	11.1	0.2
120°-130°	5.1	0.1
130°-140°	0.4	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°	6081.6	97.1
0°-180°	6263.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691553

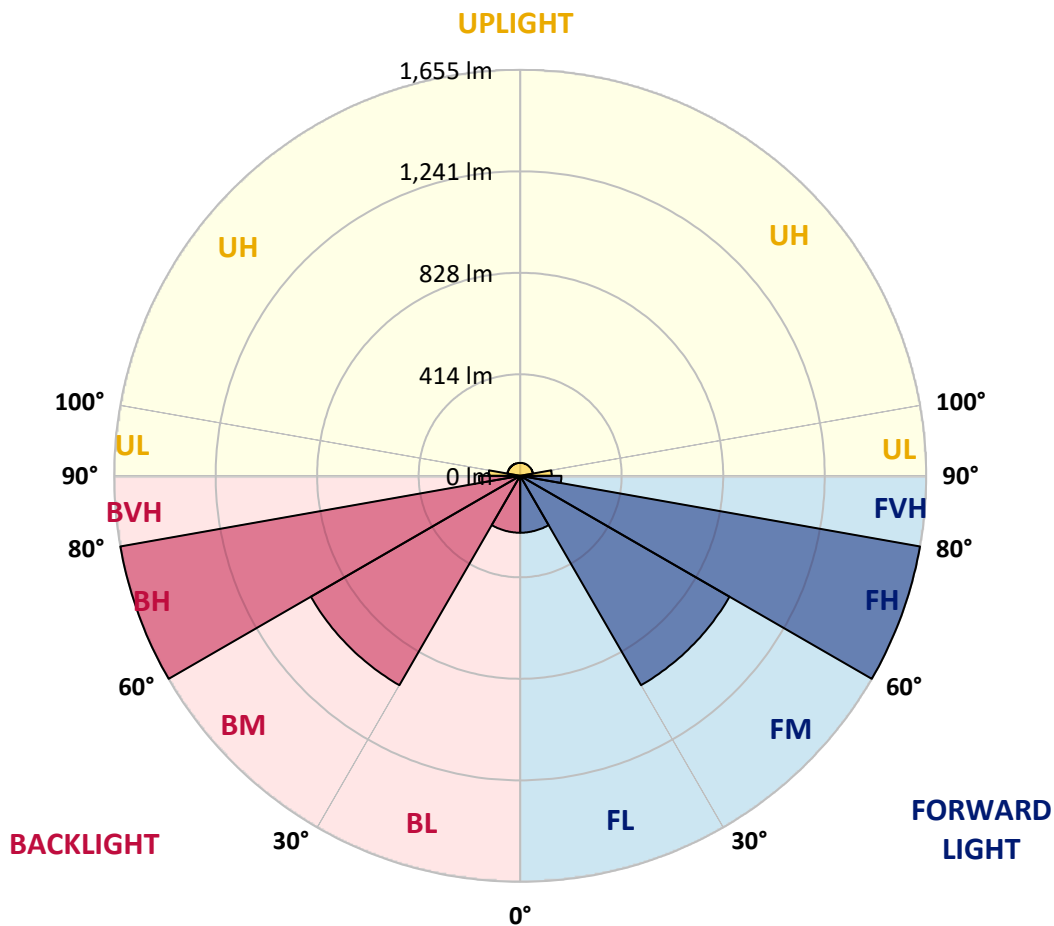
CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.9	3.7			
FM (30°-60°)	985.6	15.7			
FH (60°-80°)	1655.3	26.4			G1/1800
FVH (80°-90°)	168.0	2.7			G2/225
BL (0°-30°)	231.9	3.7	B1/500		
BM (30°-60°)	985.6	15.7	B1/1000		
BH (60°-80°)	1655.3	26.4	B3/2500		G1/1800
BVH (80°-90°)	168.0	2.7			G2/225
UL (90°-100°)	128.5	2.1		U3/500	
UH (100°-180°)	52.9	0.8		U3/500	

BUG Rating: B3-U3-G2

Type V Short





REPORT NUMBER: P691553

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3
2.5°	570.4	570.4	566.4	564.4	566.4	568.4	570.4	570.4	568.4	566.4	566.4
5°	560.5	558.5	556.5	554.5	554.5	558.5	558.5	560.5	558.5	556.5	556.5
7.5°	534.7	534.7	532.7	530.8	534.7	538.7	544.6	546.6	548.6	548.6	548.6
10°	516.9	516.9	514.9	514.9	518.9	524.8	530.8	536.7	538.7	540.7	540.7
12.5°	507.0	507.0	507.0	505.0	511.0	516.9	526.8	530.8	534.7	536.7	536.7
15°	507.0	505.0	505.0	507.0	511.0	518.9	526.8	534.7	538.7	540.7	540.7
17.5°	511.0	509.0	509.0	509.0	514.9	522.8	532.7	538.7	544.6	546.6	546.6
20°	516.9	516.9	516.9	516.9	520.9	530.8	540.7	546.6	552.6	554.5	554.5
22.5°	532.7	532.7	530.8	528.8	532.7	540.7	552.6	558.5	564.4	568.4	568.4
25°	552.6	550.6	550.6	548.6	548.6	556.5	566.4	574.3	582.3	586.2	586.2
27.5°	576.3	574.3	574.3	570.4	570.4	580.3	588.2	596.1	604.0	608.0	608.0
30°	602.1	604.0	600.1	598.1	596.1	604.0	612.0	617.9	623.8	627.8	627.8
32.5°	643.7	643.7	639.7	637.7	635.7	641.7	645.6	649.6	655.5	663.5	665.4
35°	695.1	693.2	693.2	693.2	693.2	697.1	701.1	699.1	711.0	718.9	722.9
37.5°	762.5	764.5	760.5	756.5	754.6	758.5	762.5	768.4	780.3	790.2	792.2
40°	750.6	746.6	750.6	758.5	760.5	778.3	796.1	810.0	829.8	847.6	849.6
42.5°	673.4	679.3	685.2	685.2	683.3	683.3	685.2	687.2	707.0	732.8	732.8
45°	552.6	556.5	564.4	560.5	542.6	534.7	538.7	544.6	566.4	629.8	631.8
47.5°	586.2	594.1	602.1	578.3	556.5	522.8	518.9	514.9	540.7	716.9	746.6
50°	691.2	691.2	701.1	681.3	673.4	653.6	641.7	645.6	701.1	1067.5	1132.8
52.5°	899.1	895.2	918.9	895.2	887.3	845.7	800.1	823.9	881.3	1459.6	1594.3
55°	1091.2	1095.2	1119.0	1095.2	1073.4	1035.8	974.4	1016.0	1093.2	1768.6	1960.7
57.5°	1299.2	1305.1	1332.9	1287.3	1243.7	1223.9	1166.5	1210.1	1295.2	1968.6	2226.1
60°	1515.1	1521.0	1534.9	1477.4	1437.8	1427.9	1362.6	1410.1	1513.1	2144.9	2434.0
62.5°	1721.0	1727.0	1719.0	1663.6	1639.8	1641.8	1578.4	1612.1	1723.0	2350.8	2596.4
65°	1851.7	1877.5	1871.5	1810.2	1802.2	1810.2	1742.8	1746.8	1861.6	2511.2	2756.8
67.5°	1915.1	1944.8	1931.0	1869.6	1873.5	1869.6	1784.4	1774.5	1893.3	2566.7	2802.4
70°	1851.7	1851.7	1841.8	1788.4	1786.4	1770.5	1707.2	1691.3	1784.4	2414.2	2628.1
72.5°	1697.3	1697.3	1689.3	1627.9	1616.1	1604.2	1566.6	1538.8	1620.0	2168.6	2382.5
75°	1473.5	1491.3	1481.4	1420.0	1406.1	1398.2	1372.5	1344.7	1418.0	1907.2	2087.4
77.5°	1178.4	1198.2	1186.3	1140.8	1128.9	1132.8	1115.0	1099.2	1152.6	1528.9	1695.3
80°	790.2	808.0	786.2	764.5	746.6	764.5	756.5	748.6	778.3	974.4	1140.8
82.5°	356.5	360.4	360.4	338.7	324.8	352.5	356.5	362.4	380.3	423.8	465.4
85°	217.9	219.8	215.9	209.9	202.0	207.9	206.0	209.9	217.9	231.7	239.6
87.5°	186.2	186.2	186.2	180.2	174.3	174.3	172.3	174.3	176.3	188.1	192.1
90°	164.4	164.4	164.4	160.4	156.5	156.5	158.4	156.5	160.4	172.3	178.2
92.5°	138.6	140.6	144.6	144.6	144.6	146.6	146.6	146.6	148.5	166.4	172.3
95°	103.0	101.0	108.9	114.9	116.8	120.8	120.8	120.8	124.8	140.6	146.6
97.5°	75.3	75.3	79.2	83.2	87.1	91.1	93.1	93.1	97.0	108.9	110.9
100°	53.5	53.5	57.4	61.4	63.4	69.3	71.3	71.3	71.3	79.2	79.2
102.5°	39.6	37.6	41.6	43.6	45.6	47.5	49.5	49.5	49.5	51.5	51.5
105°	23.8	23.8	25.7	27.7	29.7	29.7	31.7	31.7	29.7	29.7	29.7
107.5°	15.8	15.8	17.8	19.8	19.8	21.8	21.8	21.8	21.8	21.8	21.8
110°	11.9	11.9	13.9	15.8	15.8	17.8	17.8	17.8	17.8	15.8	15.8



REPORT NUMBER: P691553
 CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.9	9.9	11.9	11.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
115°	7.9	7.9	9.9	9.9	9.9	11.9	11.9	11.9	11.9	11.9	11.9
117.5°	5.9	5.9	7.9	7.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
120°	5.9	5.9	5.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
122.5°	4.0	4.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.9	7.9
125°	4.0	4.0	4.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
127.5°	4.0	4.0	4.0	4.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9
130°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.9	5.9
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

(END OF REPORT)