

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: P691277

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7050-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691277  
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-C015-5TLD-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: 5210.9 lumens  
Efficiency: N/A  
Efficacy: 159.4 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): 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

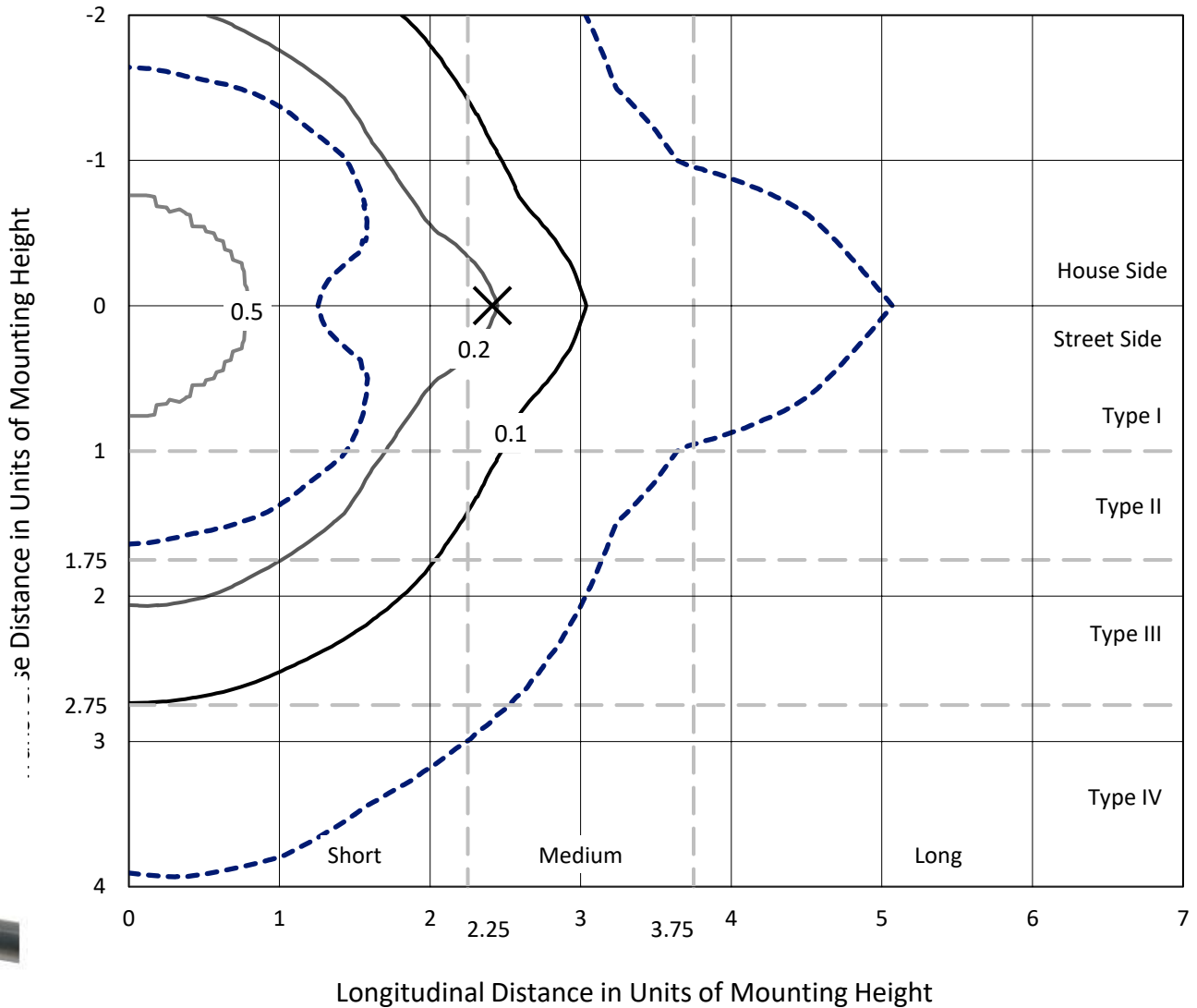


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### Iso-Footcandle Lines of Horizontal Illumination

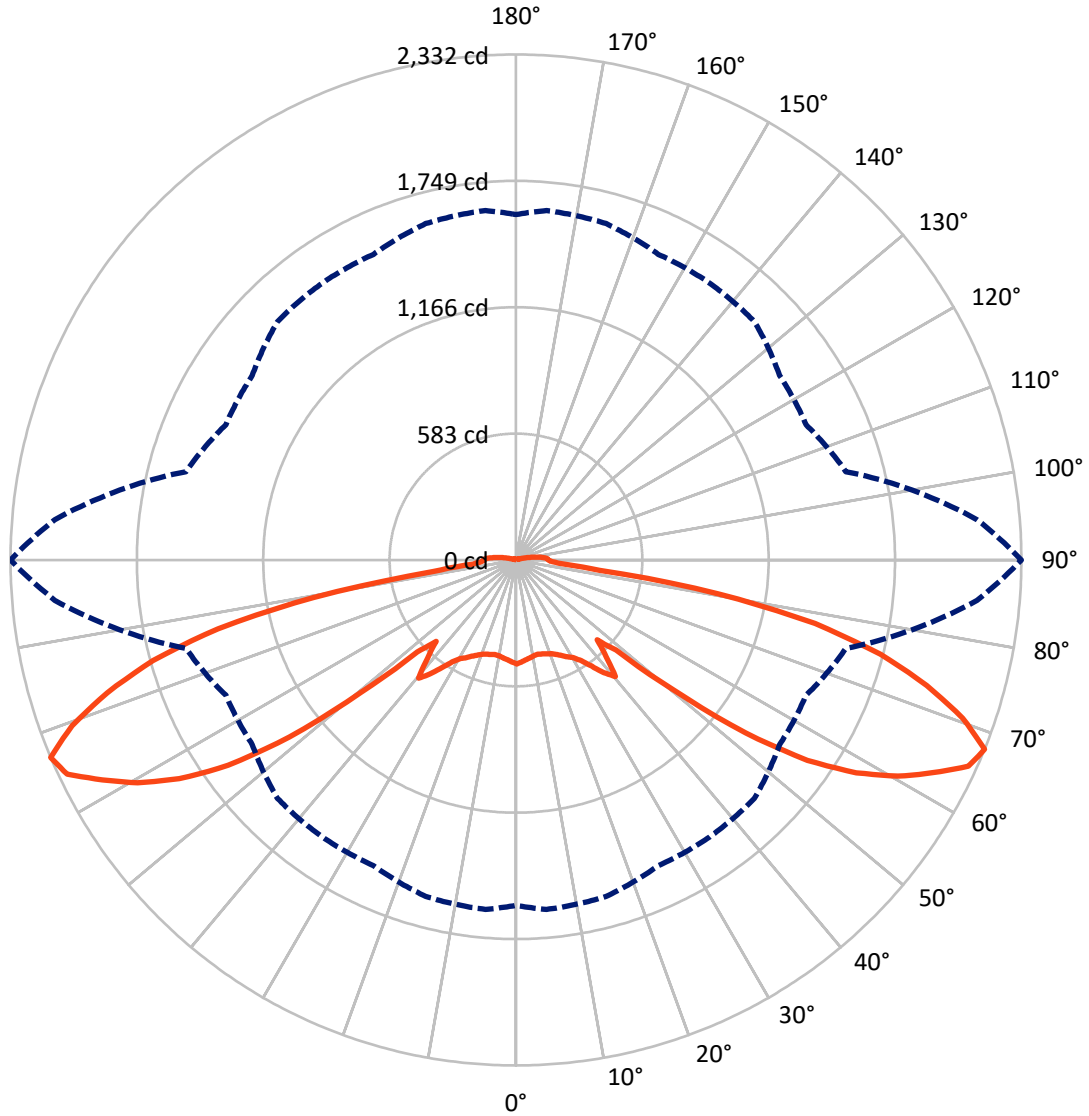
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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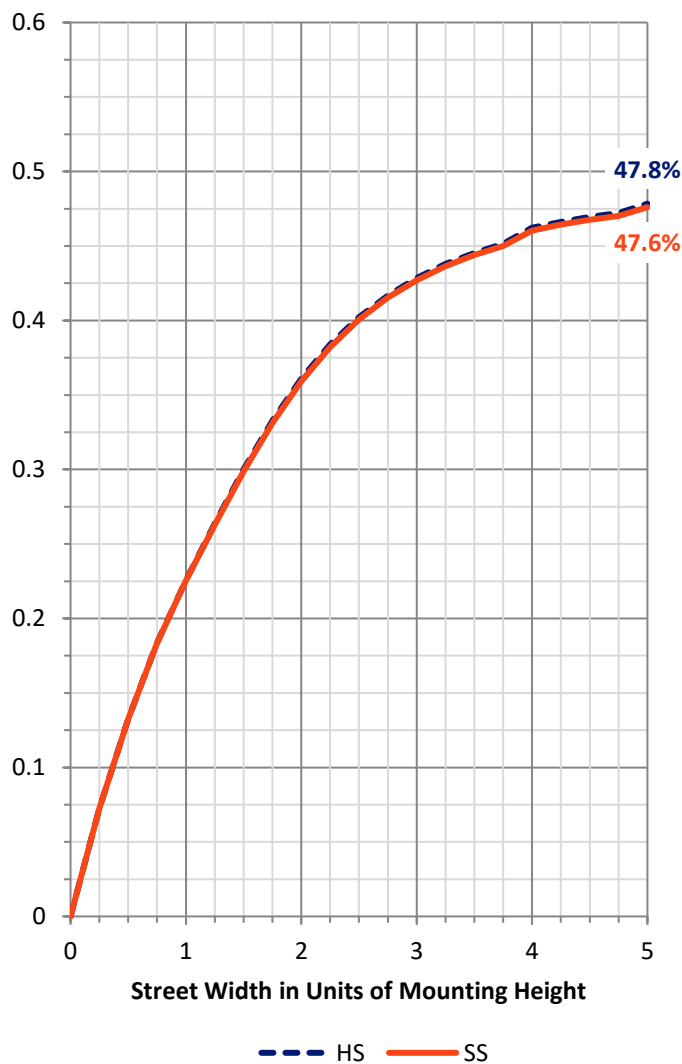
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2530.0	75.4	2605.5
	% Fixture	48.6	1.4	50.0
<b>Street Side</b>	Lumens	2530.0	75.4	2605.5
	% Fixture	48.6	1.4	50.0
<b>Total</b>	Lumens	5060.1	150.9	5210.9
	% Fixture	97.1	2.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.4	0.8
10°-20°	123.7	2.4
20°-30°	218.9	4.2
30°-40°	369.3	7.1
40°-50°	413.9	7.9
50°-60°	856.9	16.4
60°-70°	1508.2	28.9
70°-80°	1246.3	23.9
80°-90°	279.6	5.4
90°-100°	106.9	2.1
100°-110°	30.2	0.6
110°-120°	9.2	0.2
120°-130°	4.2	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°	5060.1	97.1
0°-180°	5210.9	100.0

**Coefficient of Utilization**



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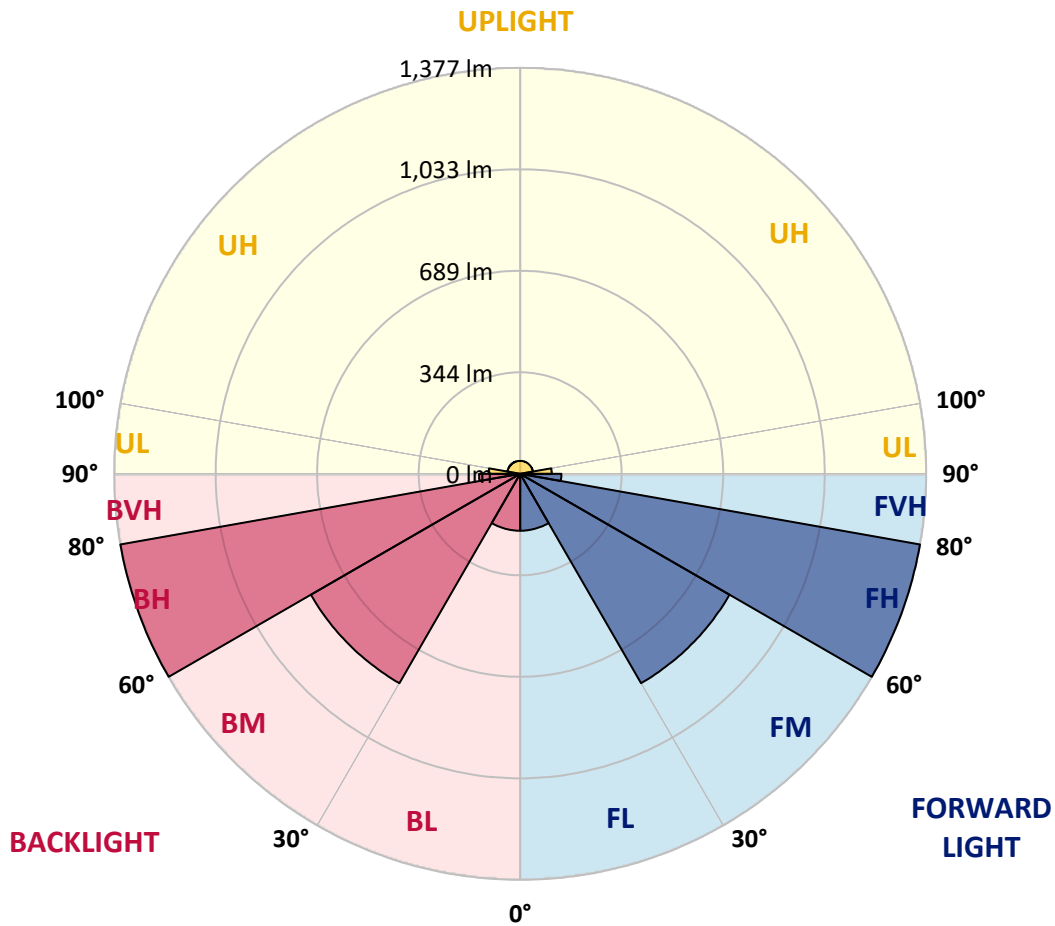
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.0	3.7			
FM (30°-60°)	820.0	15.7			
FH (60°-80°)	1377.2	26.4			G1/1800
FVH (80°-90°)	139.8	2.7			G2/225
BL (0°-30°)	193.0	3.7	B1/500		
BM (30°-60°)	820.0	15.7	B1/1000		
BH (60°-80°)	1377.2	26.4	B3/2500		G1/1800
BVH (80°-90°)	139.8	2.7			G2/225
UL (90°-100°)	106.9	2.1		U3/500	
UH (100°-180°)	44.0	0.8		U2/50	

**BUG Rating: B3-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	479.5	479.5	479.5	479.5	479.5	479.5	479.5	479.5	479.5	479.5	479.5
2.5°	474.6	474.6	471.3	469.6	471.3	472.9	474.6	474.6	472.9	471.3	471.3
5°	466.3	464.7	463.0	461.4	461.4	464.7	464.7	466.3	464.7	463.0	463.0
7.5°	444.9	444.9	443.3	441.6	444.9	448.2	453.1	454.8	456.4	456.4	456.4
10°	430.1	430.1	428.4	428.4	431.7	436.7	441.6	446.6	448.2	449.9	449.9
12.5°	421.8	421.8	421.8	420.2	425.1	430.1	438.3	441.6	444.9	446.6	446.6
15°	421.8	420.2	420.2	421.8	425.1	431.7	438.3	444.9	448.2	449.9	449.9
17.5°	425.1	423.5	423.5	423.5	428.4	435.0	443.3	448.2	453.1	454.8	454.8
20°	430.1	430.1	430.1	430.1	433.4	441.6	449.9	454.8	459.7	461.4	461.4
22.5°	443.3	443.3	441.6	440.0	443.3	449.9	459.7	464.7	469.6	472.9	472.9
25°	459.7	458.1	458.1	456.4	456.4	463.0	471.3	477.9	484.5	487.8	487.8
27.5°	479.5	477.9	477.9	474.6	474.6	482.8	489.4	496.0	502.6	505.9	505.9
30°	500.9	502.6	499.3	497.6	496.0	502.6	509.2	514.1	519.1	522.4	522.4
32.5°	535.5	535.5	532.2	530.6	528.9	533.9	537.2	540.5	545.4	552.0	553.7
35°	578.4	576.7	576.7	576.7	576.7	580.0	583.3	581.7	591.6	598.2	601.5
37.5°	634.4	636.1	632.8	629.5	627.8	631.1	634.4	639.4	649.2	657.5	659.1
40°	624.5	621.2	624.5	631.1	632.8	647.6	662.4	674.0	690.4	705.3	706.9
42.5°	560.3	565.2	570.1	570.1	568.5	568.5	570.1	571.8	588.3	609.7	609.7
45°	459.7	463.0	469.6	466.3	451.5	444.9	448.2	453.1	471.3	524.0	525.7
47.5°	487.8	494.3	500.9	481.2	463.0	435.0	431.7	428.4	449.9	596.5	621.2
50°	575.1	575.1	583.3	566.8	560.3	543.8	533.9	537.2	583.3	888.2	942.5
52.5°	748.1	744.8	764.6	744.8	738.2	703.6	665.7	685.5	733.3	1214.4	1326.5
55°	907.9	911.2	931.0	911.2	893.1	861.8	810.7	845.3	909.6	1471.5	1631.3
57.5°	1081.0	1085.9	1109.0	1071.1	1034.8	1018.3	970.6	1006.8	1077.7	1637.9	1852.1
60°	1260.6	1265.5	1277.1	1229.3	1196.3	1188.1	1133.7	1173.2	1258.9	1784.6	2025.2
62.5°	1431.9	1436.9	1430.3	1384.2	1364.4	1366.0	1313.3	1341.3	1433.6	1956.0	2160.3
65°	1540.7	1562.1	1557.2	1506.1	1499.5	1506.1	1450.1	1453.4	1548.9	2089.4	2293.8
67.5°	1593.4	1618.2	1606.6	1555.5	1558.8	1555.5	1484.7	1476.4	1575.3	2135.6	2331.7
70°	1540.7	1540.7	1532.5	1488.0	1486.3	1473.1	1420.4	1407.2	1484.7	2008.7	2186.6
72.5°	1412.2	1412.2	1405.6	1354.5	1344.6	1334.7	1303.4	1280.3	1347.9	1804.4	1982.3
75°	1226.0	1240.8	1232.6	1181.5	1169.9	1163.4	1141.9	1118.9	1179.8	1586.8	1736.8
77.5°	980.4	996.9	987.0	949.1	939.3	942.5	927.7	914.5	959.0	1272.1	1410.5
80°	657.5	672.3	654.2	636.1	621.2	636.1	629.5	622.9	647.6	810.7	949.1
82.5°	296.6	299.9	299.9	281.8	270.2	293.3	296.6	301.5	316.4	352.6	387.2
85°	181.3	182.9	179.6	174.7	168.1	173.0	171.4	174.7	181.3	192.8	199.4
87.5°	154.9	154.9	154.9	150.0	145.0	145.0	143.4	145.0	146.7	156.5	159.8
90°	136.8	136.8	136.8	133.5	130.2	130.2	131.8	130.2	133.5	143.4	148.3
92.5°	115.3	117.0	120.3	120.3	120.3	121.9	121.9	121.9	123.6	138.4	143.4
95°	85.7	84.0	90.6	95.6	97.2	100.5	100.5	100.5	103.8	117.0	121.9
97.5°	62.6	62.6	65.9	69.2	72.5	75.8	77.4	77.4	80.7	90.6	92.3
100°	44.5	44.5	47.8	51.1	52.7	57.7	59.3	59.3	59.3	65.9	65.9
102.5°	33.0	31.3	34.6	36.3	37.9	39.5	41.2	41.2	41.2	42.8	42.8
105°	19.8	19.8	21.4	23.1	24.7	24.7	26.4	26.4	24.7	24.7	24.7
107.5°	13.2	13.2	14.8	16.5	16.5	18.1	18.1	18.1	18.1	18.1	18.1
110°	9.9	9.9	11.5	13.2	13.2	14.8	14.8	14.8	14.8	13.2	13.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.2	8.2	9.9	9.9	11.5	11.5	11.5	11.5	11.5	11.5	11.5
115°	6.6	6.6	8.2	8.2	8.2	9.9	9.9	9.9	9.9	9.9	9.9
117.5°	4.9	4.9	6.6	6.6	8.2	8.2	8.2	8.2	8.2	8.2	8.2
120°	4.9	4.9	4.9	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
122.5°	3.3	3.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.6	6.6
125°	3.3	3.3	3.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
127.5°	3.3	3.3	3.3	3.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9
130°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9
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)