

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: P691001

Luminaire Tested: **CRTK2-C01-D-U-T5R-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691001
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-C01-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: 9222 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G3

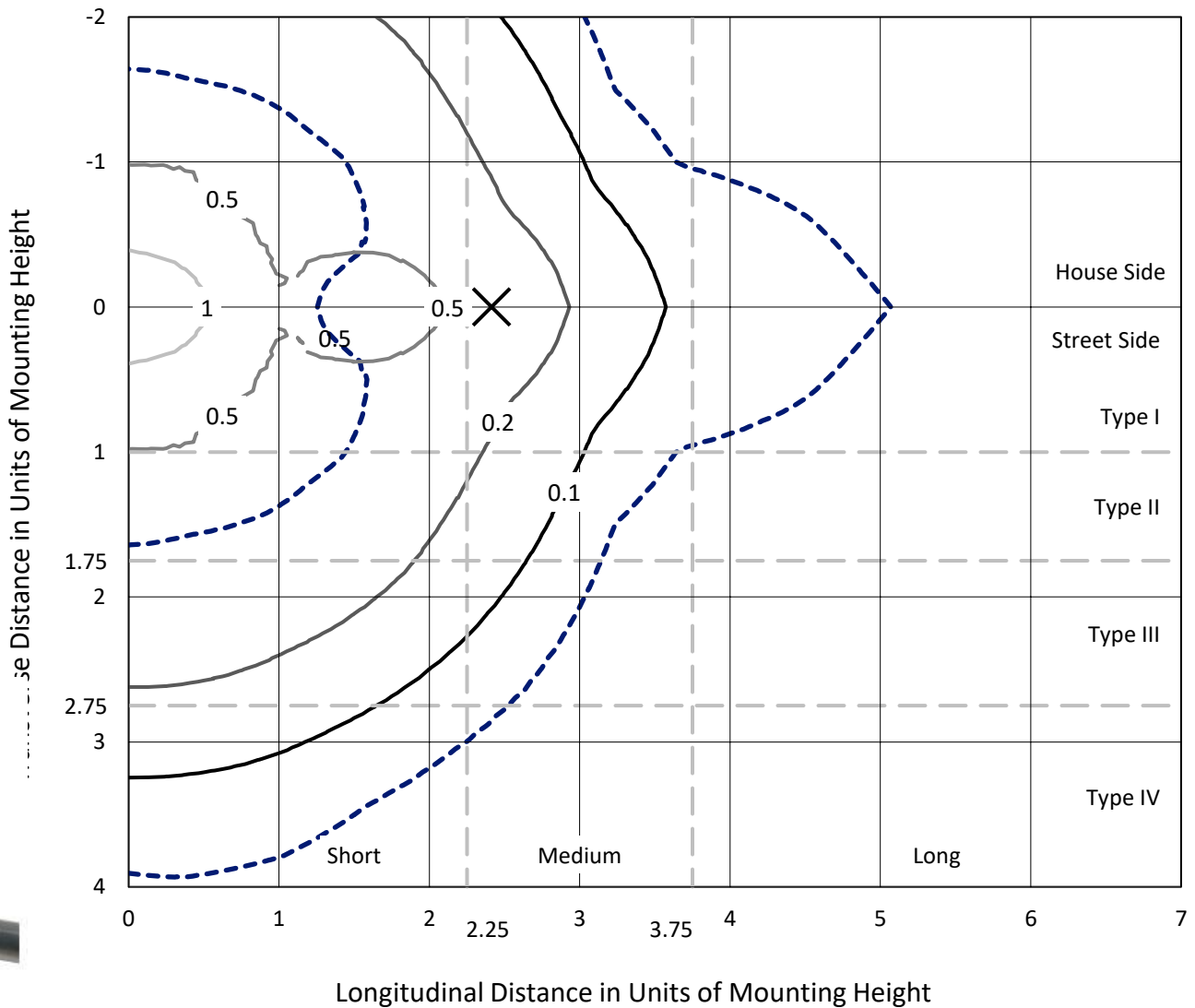
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

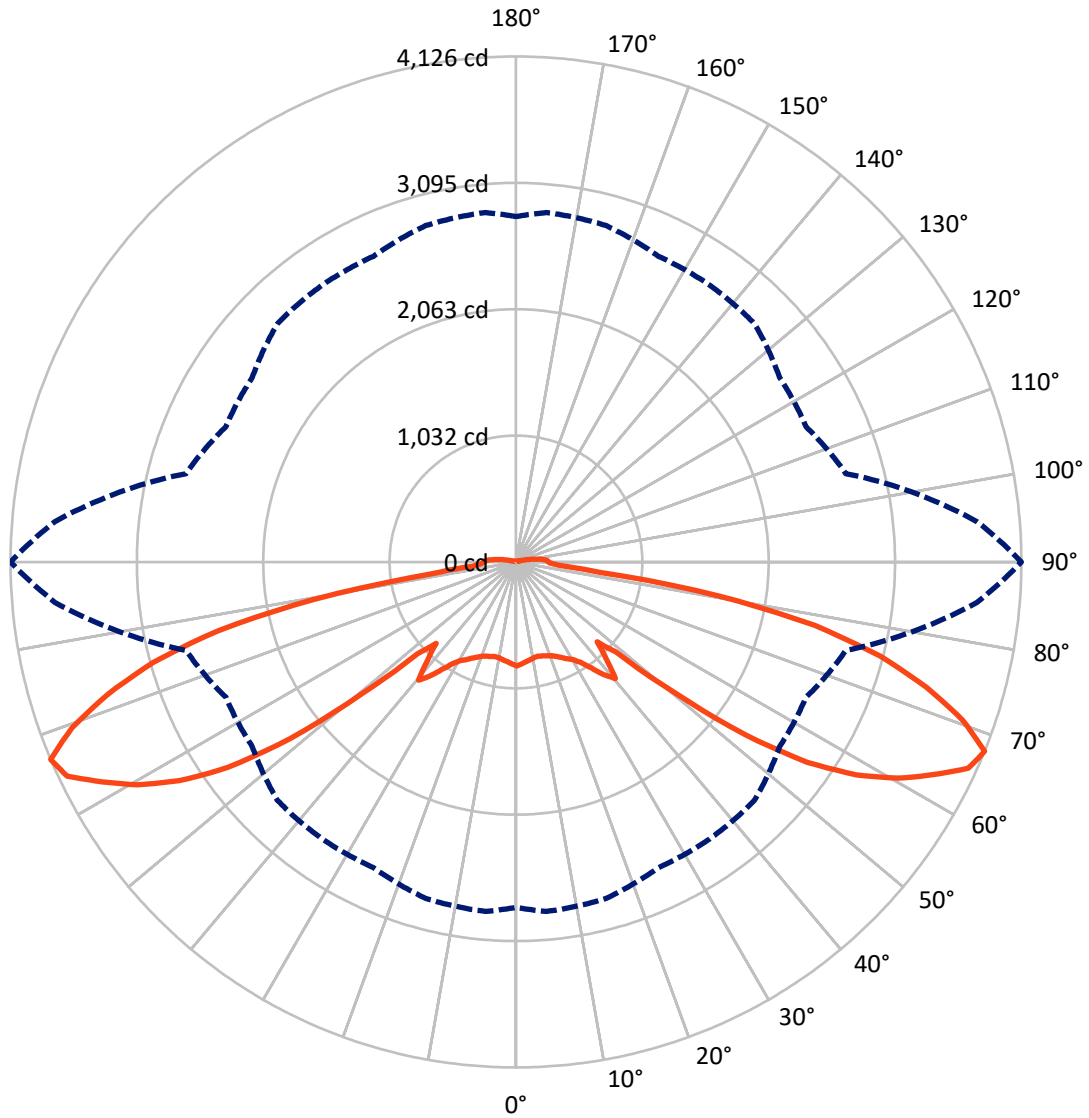
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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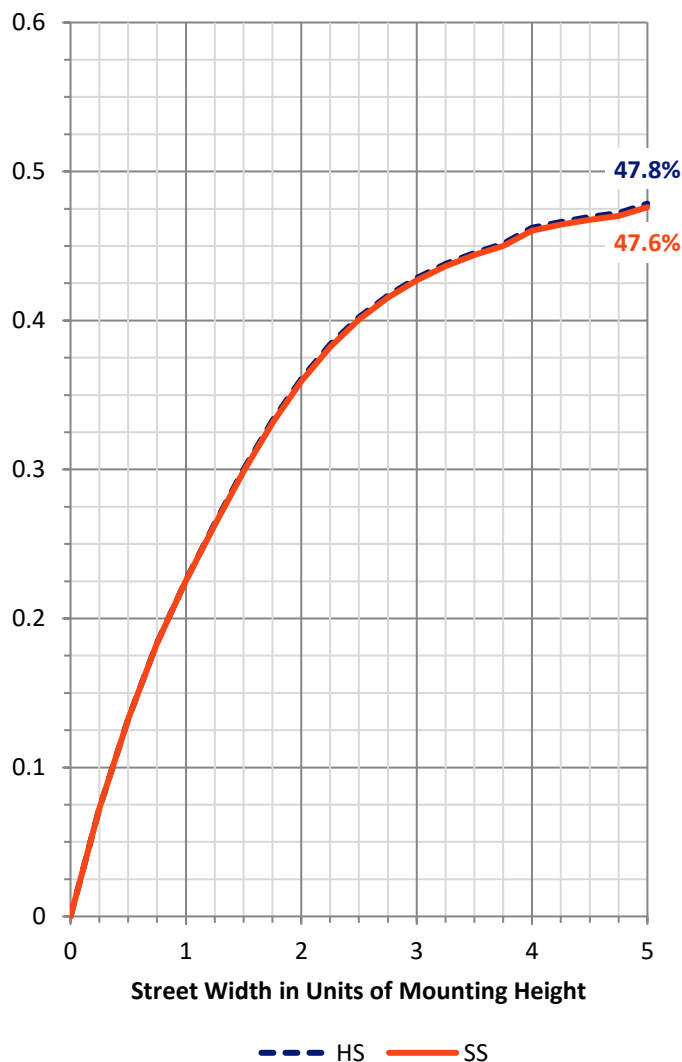
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4477.4	133.5	4611.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	4477.4	133.5	4611.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	8954.9	267.1	9222.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.7	0.8
10°-20°	218.8	2.4
20°-30°	387.4	4.2
30°-40°	653.5	7.1
40°-50°	732.5	7.9
50°-60°	1516.4	16.4
60°-70°	2669.0	28.9
70°-80°	2205.7	23.9
80°-90°	494.8	5.4
90°-100°	189.2	2.1
100°-110°	53.5	0.6
110°-120°	16.4	0.2
120°-130°	7.5	0.1
130°-140°	0.6	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°	8954.9	97.1
0°-180°	9222.0	100.0

Coefficient of Utilization



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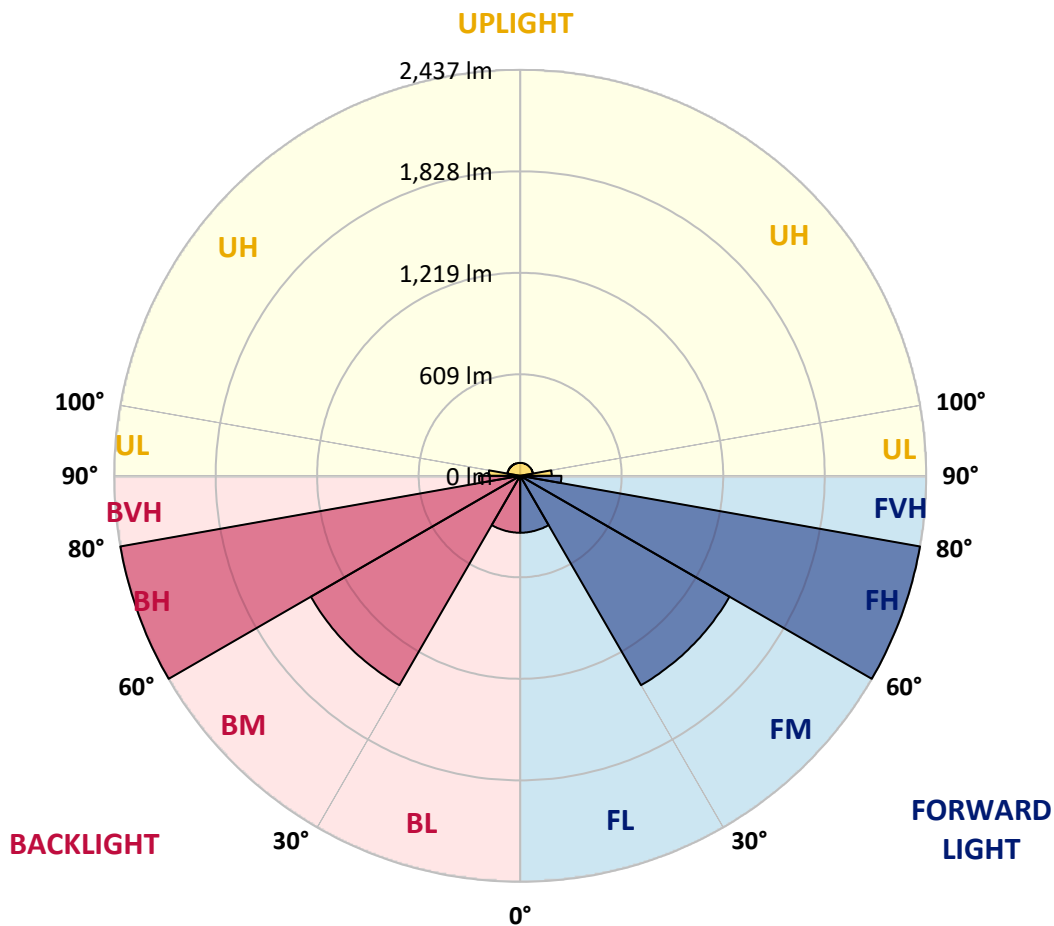
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.5	3.7			
FM (30°-60°)	1451.2	15.7			
FH (60°-80°)	2437.4	26.4			G2/5000
FVH (80°-90°)	247.4	2.7			G3/500
BL (0°-30°)	341.5	3.7	B1/500		
BM (30°-60°)	1451.2	15.7	B2/2500		
BH (60°-80°)	2437.4	26.4	B3/2500		G2/5000
BVH (80°-90°)	247.4	2.7			G3/500
UL (90°-100°)	189.2	2.1		U3/500	
UH (100°-180°)	77.9	0.8		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	848.6	848.6	848.6	848.6	848.6	848.6	848.6	848.6	848.6	848.6	848.6
2.5°	839.9	839.9	834.0	831.1	834.0	836.9	839.9	839.9	836.9	834.0	834.0
5°	825.3	822.4	819.4	816.5	816.5	822.4	822.4	825.3	822.4	819.4	819.4
7.5°	787.4	787.4	784.4	781.5	787.4	793.2	801.9	804.9	807.8	807.8	807.8
10°	761.1	761.1	758.2	758.2	764.0	772.8	781.5	790.3	793.2	796.1	796.1
12.5°	746.5	746.5	746.5	743.6	752.4	761.1	775.7	781.5	787.4	790.3	790.3
15°	746.5	743.6	743.6	746.5	752.4	764.0	775.7	787.4	793.2	796.1	796.1
17.5°	752.4	749.5	749.5	749.5	758.2	769.9	784.4	793.2	801.9	804.9	804.9
20°	761.1	761.1	761.1	761.1	767.0	781.5	796.1	804.9	813.6	816.5	816.5
22.5°	784.4	784.4	781.5	778.6	784.4	796.1	813.6	822.4	831.1	836.9	836.9
25°	813.6	810.7	810.7	807.8	807.8	819.4	834.0	845.7	857.4	863.2	863.2
27.5°	848.6	845.7	845.7	839.9	839.9	854.4	866.1	877.8	889.4	895.3	895.3
30°	886.5	889.4	883.6	880.7	877.8	889.4	901.1	909.8	918.6	924.4	924.4
32.5°	947.8	947.8	941.9	939.0	936.1	944.8	950.7	956.5	965.2	976.9	979.8
35°	1023.6	1020.7	1020.7	1020.7	1020.7	1026.5	1032.3	1029.4	1046.9	1058.6	1064.4
37.5°	1122.7	1125.6	1119.8	1114.0	1111.1	1116.9	1122.7	1131.5	1149.0	1163.5	1166.5
40°	1105.2	1099.4	1105.2	1116.9	1119.8	1146.1	1172.3	1192.7	1221.9	1248.1	1251.0
42.5°	991.5	1000.2	1009.0	1009.0	1006.1	1006.1	1009.0	1011.9	1041.1	1079.0	1079.0
45°	813.6	819.4	831.1	825.3	799.0	787.4	793.2	801.9	834.0	927.3	930.3
47.5°	863.2	874.8	886.5	851.5	819.4	769.9	764.0	758.2	796.1	1055.7	1099.4
50°	1017.7	1017.7	1032.3	1003.2	991.5	962.3	944.8	950.7	1032.3	1571.8	1668.0
52.5°	1323.9	1318.1	1353.1	1318.1	1306.4	1245.2	1178.1	1213.1	1297.7	2149.2	2347.5
55°	1606.8	1612.6	1647.6	1612.6	1580.6	1525.2	1434.8	1496.0	1609.7	2604.1	2887.0
57.5°	1913.0	1921.7	1962.6	1895.5	1831.3	1802.2	1717.6	1781.8	1907.2	2898.7	3277.8
60°	2230.9	2239.6	2260.0	2175.5	2117.1	2102.6	2006.3	2076.3	2227.9	3158.2	3584.0
62.5°	2534.1	2542.9	2531.2	2449.6	2414.6	2417.5	2324.2	2373.8	2537.1	3461.5	3823.1
65°	2726.6	2764.5	2755.8	2665.4	2653.7	2665.4	2566.2	2572.1	2741.2	3697.7	4059.3
67.5°	2819.9	2863.7	2843.3	2752.9	2758.7	2752.9	2627.5	2612.9	2787.8	3779.3	4126.4
70°	2726.6	2726.6	2712.0	2633.3	2630.4	2607.0	2513.7	2490.4	2627.5	3554.8	3869.7
72.5°	2499.1	2499.1	2487.5	2397.1	2379.6	2362.1	2306.7	2265.9	2385.4	3193.2	3508.1
75°	2169.6	2195.9	2181.3	2090.9	2070.5	2058.8	2020.9	1980.1	2088.0	2808.3	3073.6
77.5°	1735.1	1764.3	1746.8	1679.7	1662.2	1668.0	1641.8	1618.5	1697.2	2251.3	2496.2
80°	1163.5	1189.8	1157.7	1125.6	1099.4	1125.6	1114.0	1102.3	1146.1	1434.8	1679.7
82.5°	524.9	530.7	530.7	498.7	478.3	519.1	524.9	533.7	559.9	624.1	685.3
85°	320.8	323.7	317.9	309.1	297.4	306.2	303.3	309.1	320.8	341.2	352.9
87.5°	274.1	274.1	274.1	265.4	256.6	256.6	253.7	256.6	259.5	277.0	282.9
90°	242.0	242.0	242.0	236.2	230.4	230.4	233.3	230.4	236.2	253.7	262.5
92.5°	204.1	207.0	212.9	212.9	212.9	215.8	215.8	215.8	218.7	245.0	253.7
95°	151.6	148.7	160.4	169.1	172.1	177.9	177.9	177.9	183.7	207.0	215.8
97.5°	110.8	110.8	116.6	122.5	128.3	134.1	137.1	137.1	142.9	160.4	163.3
100°	78.7	78.7	84.6	90.4	93.3	102.1	105.0	105.0	105.0	116.6	116.6
102.5°	58.3	55.4	61.2	64.2	67.1	70.0	72.9	72.9	72.9	75.8	75.8
105°	35.0	35.0	37.9	40.8	43.7	43.7	46.7	46.7	43.7	43.7	43.7
107.5°	23.3	23.3	26.2	29.2	29.2	32.1	32.1	32.1	32.1	32.1	32.1
110°	17.5	17.5	20.4	23.3	23.3	26.2	26.2	26.2	26.2	23.3	23.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.6	14.6	17.5	17.5	20.4	20.4	20.4	20.4	20.4	20.4	20.4
115°	11.7	11.7	14.6	14.6	14.6	17.5	17.5	17.5	17.5	17.5	17.5
117.5°	8.7	8.7	11.7	11.7	14.6	14.6	14.6	14.6	14.6	14.6	14.6
120°	8.7	8.7	8.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
122.5°	5.8	5.8	8.7	8.7	8.7	8.7	8.7	8.7	8.7	11.7	11.7
125°	5.8	5.8	5.8	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
127.5°	5.8	5.8	5.8	5.8	8.7	8.7	8.7	8.7	8.7	8.7	8.7
130°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	8.7	8.7
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)