

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: P690909

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7050-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690909  
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-C01-5TLD-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: 9216 lumens  
Efficiency: N/A  
Efficacy: 153.6 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type V - Short  
BUG Rating: B3 - U3 - G3

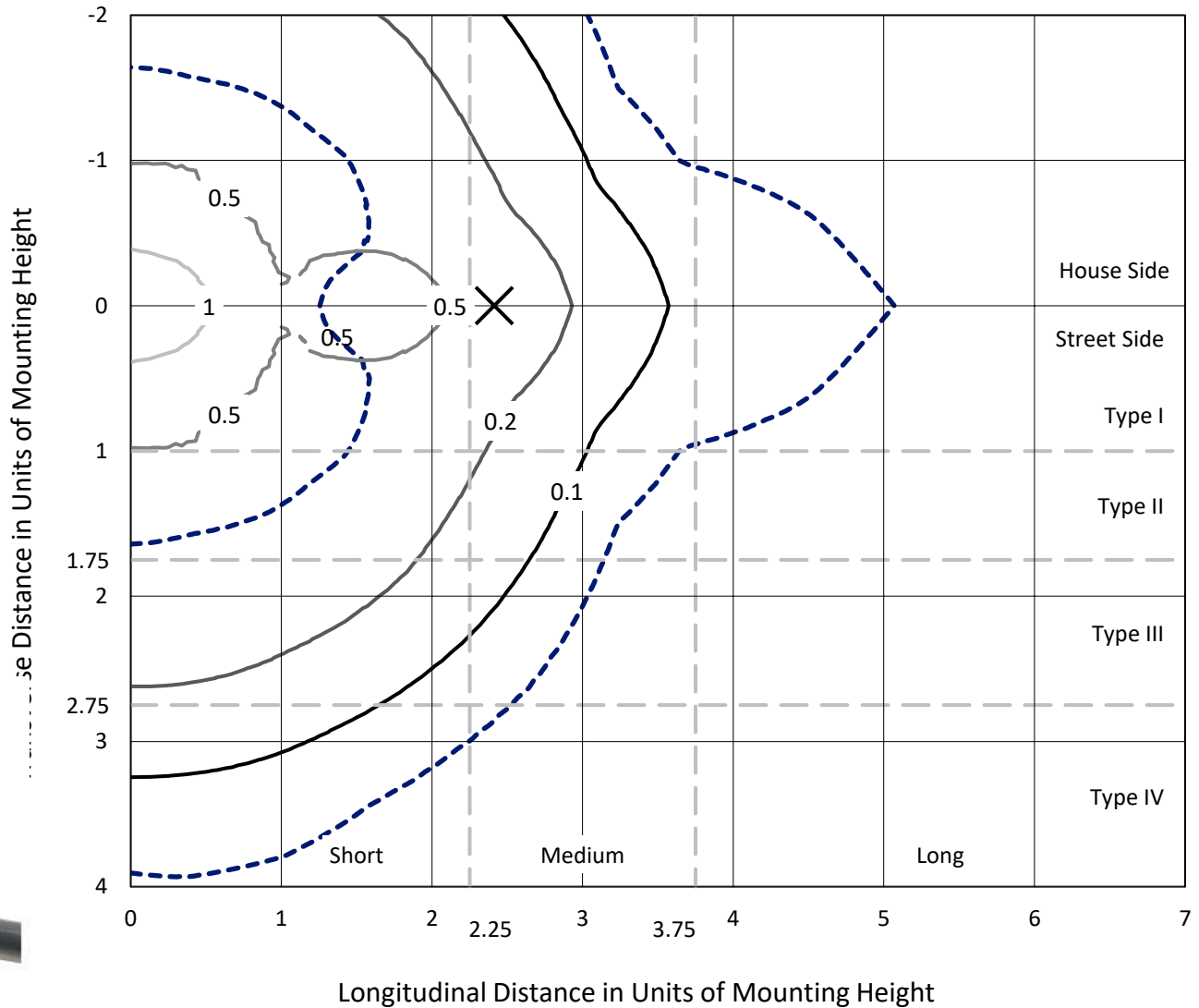
Input Watts (W): 60  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

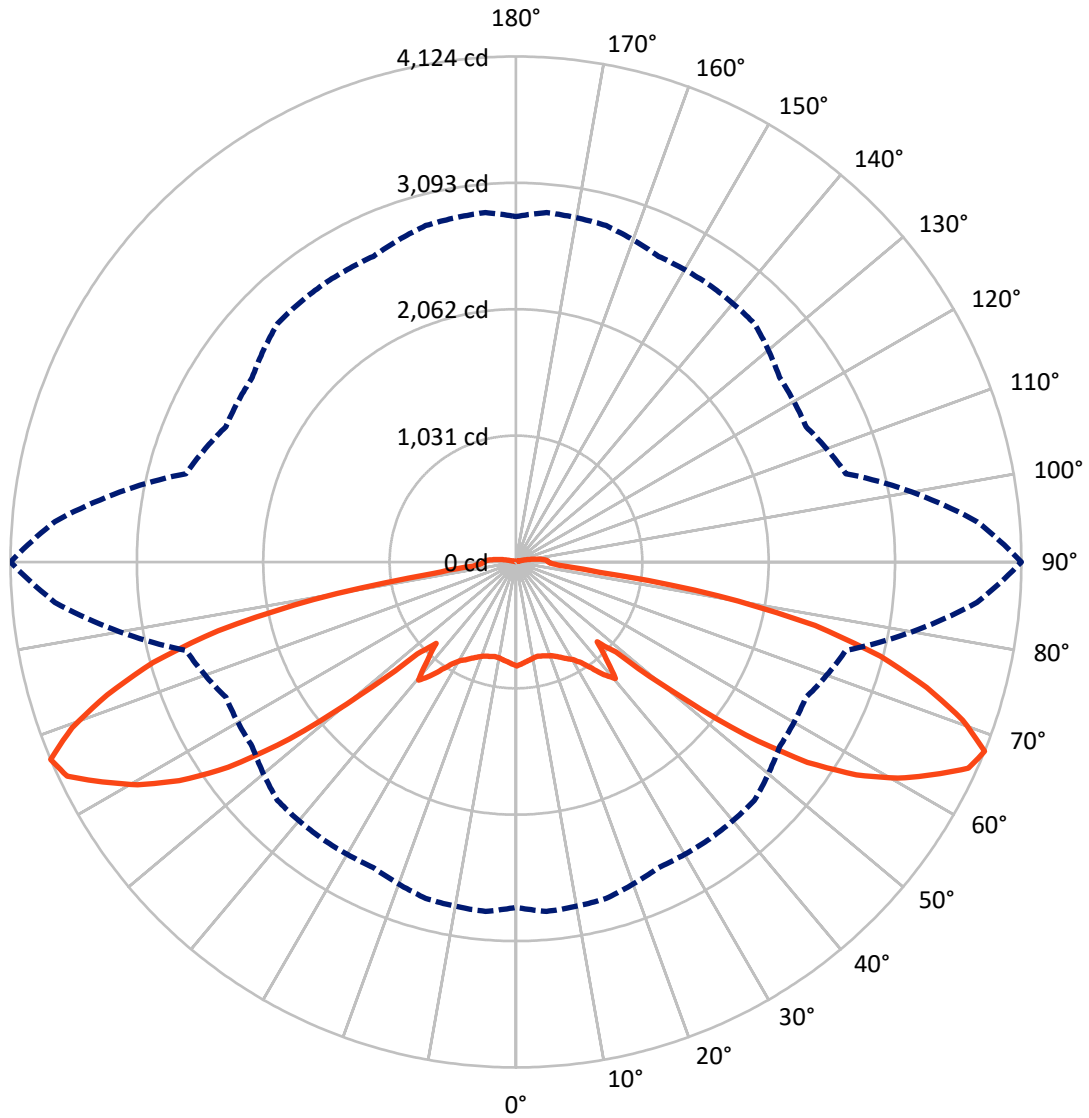
✕ Max cd  
 - - - 1/2 Max cd



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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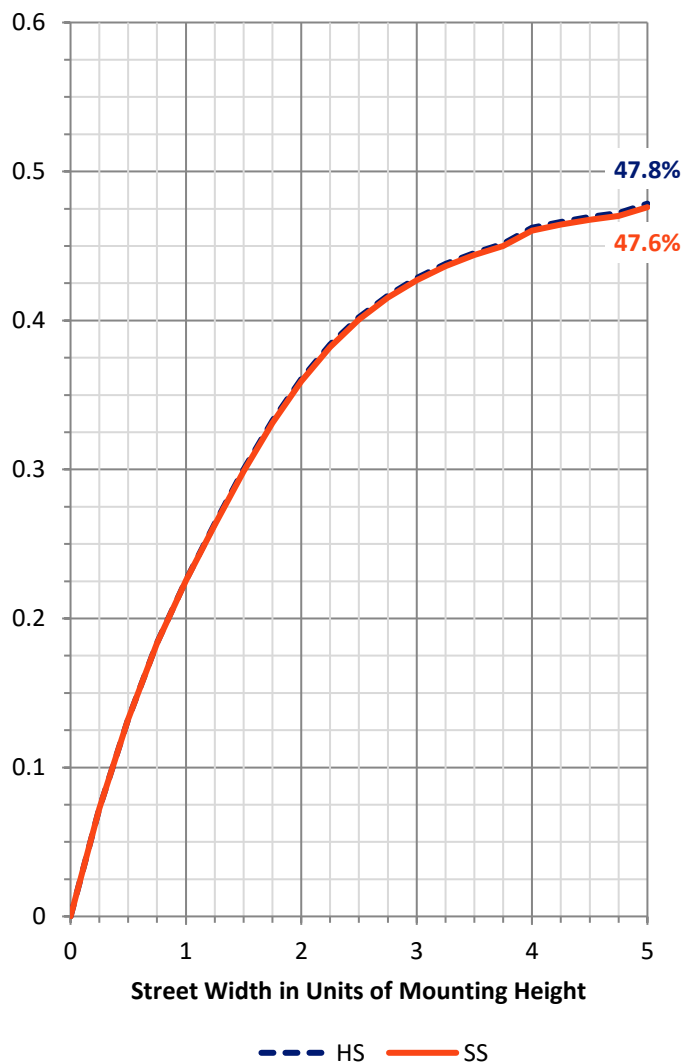
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4474.5	133.5	4608.0
	% Fixture	48.6	1.4	50.0
<b>Street Side</b>	Lumens	4474.5	133.5	4608.0
	% Fixture	48.6	1.4	50.0
<b>Total</b>	Lumens	8949.1	266.9	9216.0
	% Fixture	97.1	2.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.7	0.8
10°-20°	218.7	2.4
20°-30°	387.1	4.2
30°-40°	653.1	7.1
40°-50°	732.0	7.9
50°-60°	1515.4	16.4
60°-70°	2667.3	28.9
70°-80°	2204.2	23.9
80°-90°	494.5	5.4
90°-100°	189.0	2.1
100°-110°	53.4	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°	8949.1	97.1
0°-180°	9216.0	100.0

**Coefficient of Utilization**



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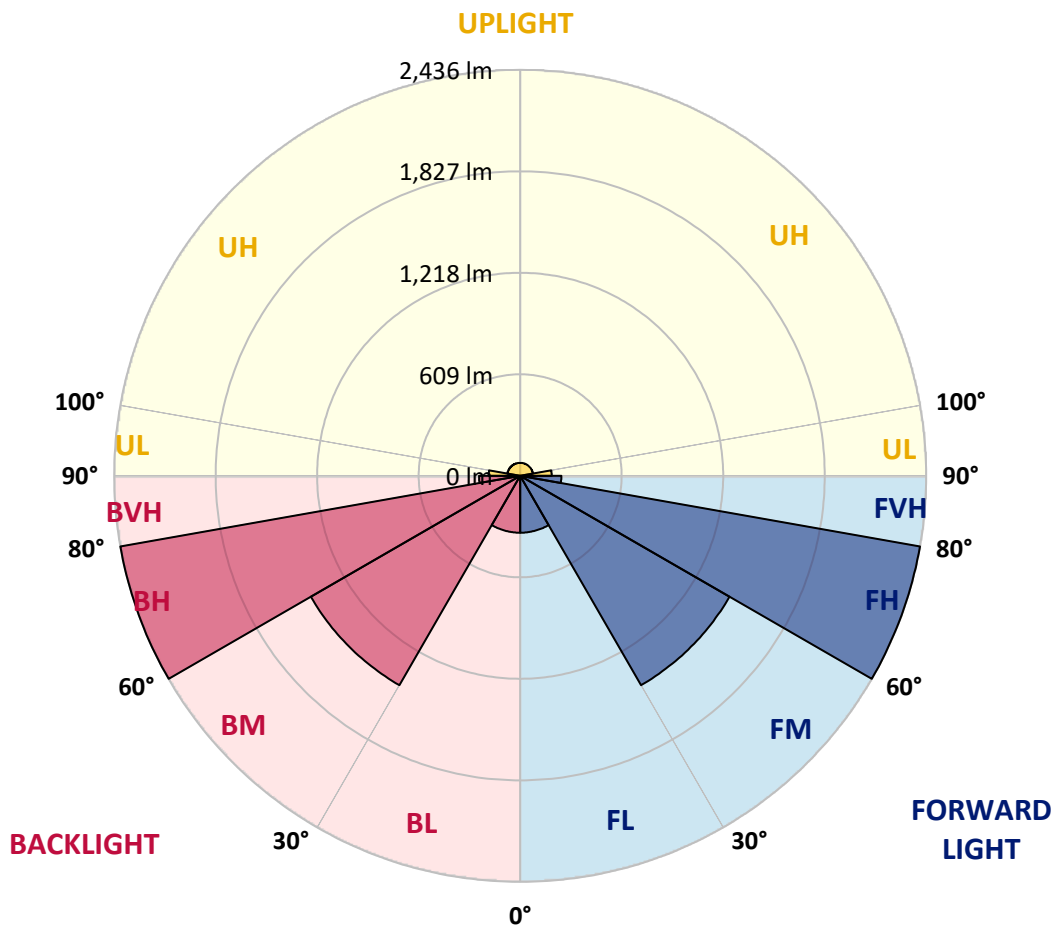
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.3	3.7			
FM (30°-60°)	1450.2	15.7			
FH (60°-80°)	2435.8	26.4			G2/5000
FVH (80°-90°)	247.2	2.7			G3/500
BL (0°-30°)	341.3	3.7	B1/500		
BM (30°-60°)	1450.2	15.7	B2/2500		
BH (60°-80°)	2435.8	26.4	B3/2500		G2/5000
BVH (80°-90°)	247.2	2.7			G3/500
UL (90°-100°)	189.0	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°	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1
2.5°	839.3	839.3	833.5	830.6	833.5	836.4	839.3	839.3	836.4	833.5	833.5
5°	824.7	821.8	818.9	816.0	816.0	821.8	821.8	824.7	821.8	818.9	818.9
7.5°	786.9	786.9	783.9	781.0	786.9	792.7	801.4	804.3	807.3	807.3	807.3
10°	760.6	760.6	757.7	757.7	763.5	772.3	781.0	789.8	792.7	795.6	795.6
12.5°	746.1	746.1	746.1	743.1	751.9	760.6	775.2	781.0	786.9	789.8	789.8
15°	746.1	743.1	743.1	746.1	751.9	763.5	775.2	786.9	792.7	795.6	795.6
17.5°	751.9	749.0	749.0	749.0	757.7	769.4	783.9	792.7	801.4	804.3	804.3
20°	760.6	760.6	760.6	760.6	766.5	781.0	795.6	804.3	813.1	816.0	816.0
22.5°	783.9	783.9	781.0	778.1	783.9	795.6	813.1	821.8	830.6	836.4	836.4
25°	813.1	810.2	810.2	807.3	807.3	818.9	833.5	845.1	856.8	862.6	862.6
27.5°	848.1	845.1	845.1	839.3	839.3	853.9	865.5	877.2	888.9	894.7	894.7
30°	885.9	888.9	883.0	880.1	877.2	888.9	900.5	909.3	918.0	923.8	923.8
32.5°	947.1	947.1	941.3	938.4	935.5	944.2	950.0	955.9	964.6	976.3	979.2
35°	1022.9	1020.0	1020.0	1020.0	1020.0	1025.8	1031.6	1028.7	1046.2	1057.9	1063.7
37.5°	1122.0	1124.9	1119.1	1113.2	1110.3	1116.2	1122.0	1130.7	1148.2	1162.8	1165.7
40°	1104.5	1098.7	1104.5	1116.2	1119.1	1145.3	1171.5	1191.9	1221.1	1247.3	1250.2
42.5°	990.8	999.6	1008.3	1008.3	1005.4	1005.4	1008.3	1011.2	1040.4	1078.3	1078.3
45°	813.1	818.9	830.6	824.7	798.5	786.9	792.7	801.4	833.5	926.7	929.7
47.5°	862.6	874.3	885.9	851.0	818.9	769.4	763.5	757.7	795.6	1055.0	1098.7
50°	1017.1	1017.1	1031.6	1002.5	990.8	961.7	944.2	950.0	1031.6	1570.8	1667.0
52.5°	1323.1	1317.2	1352.2	1317.2	1305.6	1244.4	1177.4	1212.3	1296.8	2147.8	2346.0
55°	1605.8	1611.6	1646.6	1611.6	1579.5	1524.2	1433.8	1495.0	1608.7	2602.4	2885.1
57.5°	1911.8	1920.5	1961.3	1894.3	1830.2	1801.0	1716.5	1780.6	1905.9	2896.8	3275.6
60°	2229.4	2238.2	2258.6	2174.0	2115.8	2101.2	2005.0	2075.0	2226.5	3156.1	3581.6
62.5°	2532.5	2541.2	2529.6	2448.0	2413.0	2415.9	2322.7	2372.2	2535.4	3459.2	3820.6
65°	2724.8	2762.7	2754.0	2663.6	2652.0	2663.6	2564.6	2570.4	2739.4	3695.3	4056.7
67.5°	2818.1	2861.8	2841.4	2751.1	2756.9	2751.1	2625.8	2611.2	2786.0	3776.9	4123.7
70°	2724.8	2724.8	2710.3	2631.6	2628.7	2605.4	2512.1	2488.8	2625.8	3552.5	3867.2
72.5°	2497.5	2497.5	2485.9	2395.5	2378.0	2360.6	2305.2	2264.4	2383.9	3191.1	3505.9
75°	2168.2	2194.4	2179.9	2089.5	2069.1	2057.5	2019.6	1978.8	2086.6	2806.4	3071.6
77.5°	1734.0	1763.1	1745.6	1678.6	1661.1	1667.0	1640.7	1617.4	1696.1	2249.8	2494.6
80°	1162.8	1189.0	1157.0	1124.9	1098.7	1124.9	1113.2	1101.6	1145.3	1433.8	1678.6
82.5°	524.6	530.4	530.4	498.3	477.9	518.7	524.6	533.3	559.5	623.7	684.9
85°	320.6	323.5	317.7	308.9	297.3	306.0	303.1	308.9	320.6	341.0	352.6
87.5°	273.9	273.9	273.9	265.2	256.5	256.5	253.5	256.5	259.4	276.9	282.7
90°	241.9	241.9	241.9	236.1	230.2	230.2	233.1	230.2	236.1	253.5	262.3
92.5°	204.0	206.9	212.7	212.7	212.7	215.7	215.7	215.7	218.6	244.8	253.5
95°	151.5	148.6	160.3	169.0	171.9	177.8	177.8	177.8	183.6	206.9	215.7
97.5°	110.7	110.7	116.6	122.4	128.2	134.1	137.0	137.0	142.8	160.3	163.2
100°	78.7	78.7	84.5	90.3	93.3	102.0	104.9	104.9	104.9	116.6	116.6
102.5°	58.3	55.4	61.2	64.1	67.0	69.9	72.9	72.9	72.9	75.8	75.8
105°	35.0	35.0	37.9	40.8	43.7	43.7	46.6	46.6	43.7	43.7	43.7
107.5°	23.3	23.3	26.2	29.1	29.1	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)