

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: P690994

Luminaire Tested: **CRTK2-C01-D-U-T5R-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690994
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-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9115 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G3

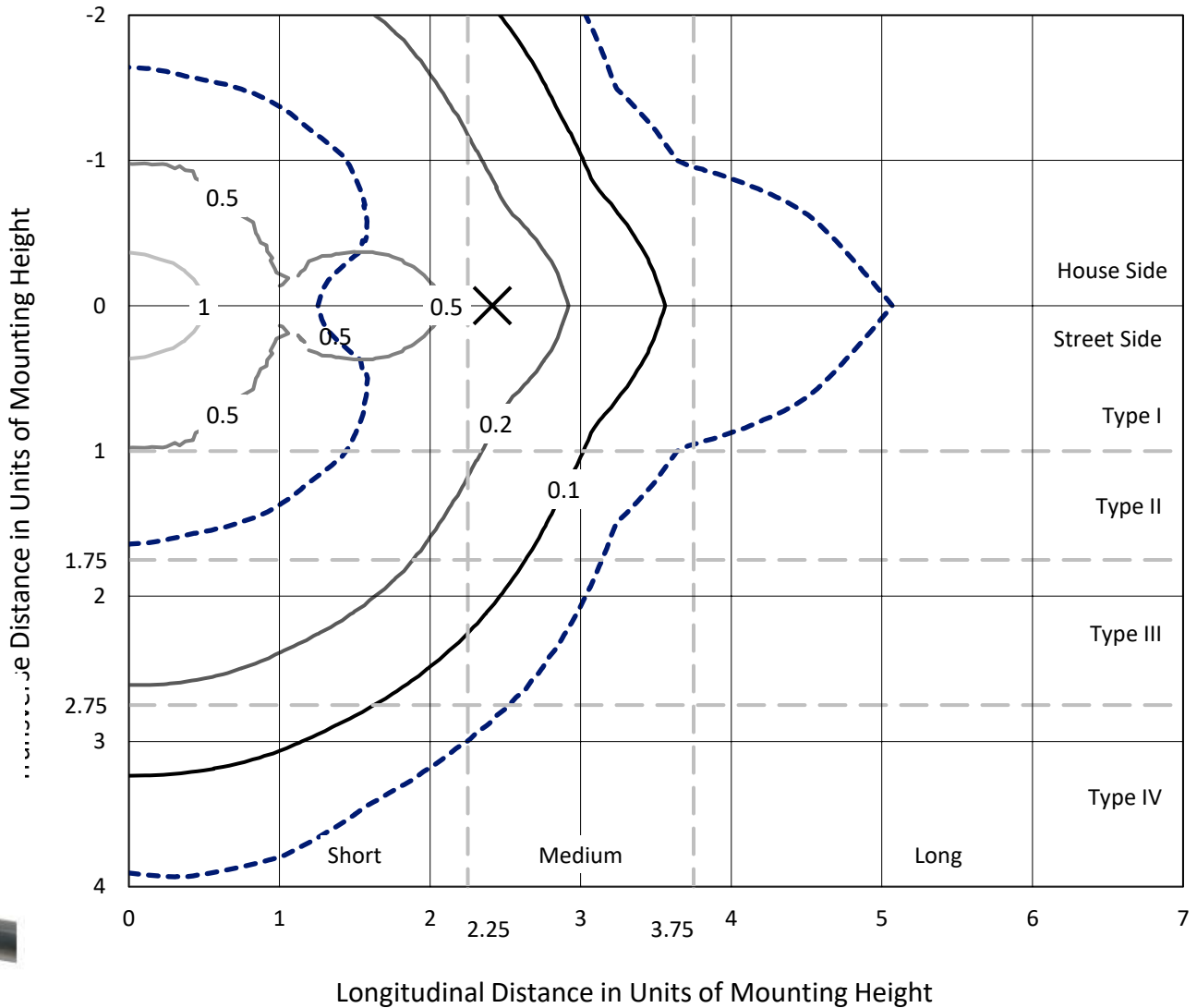
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

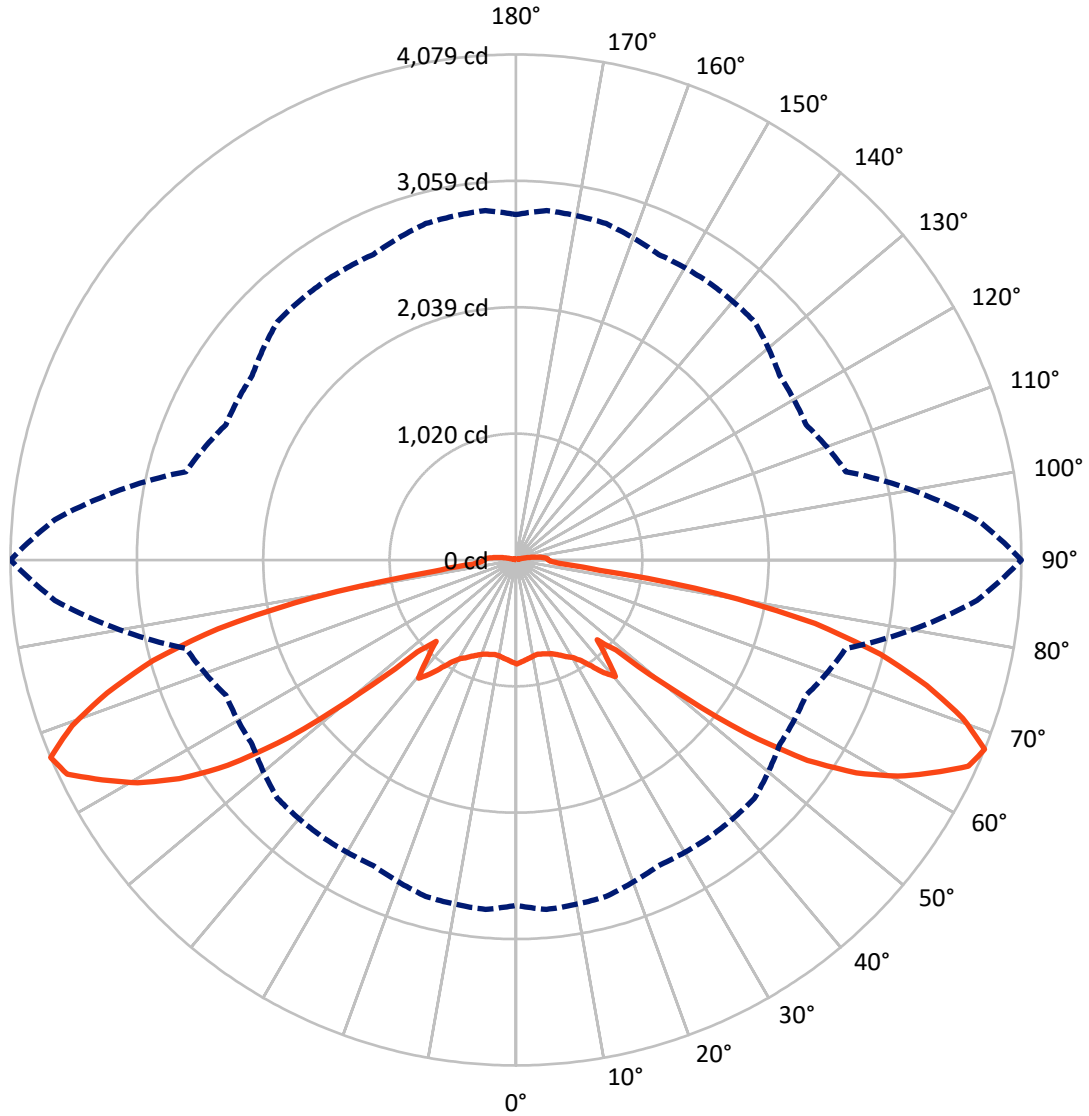
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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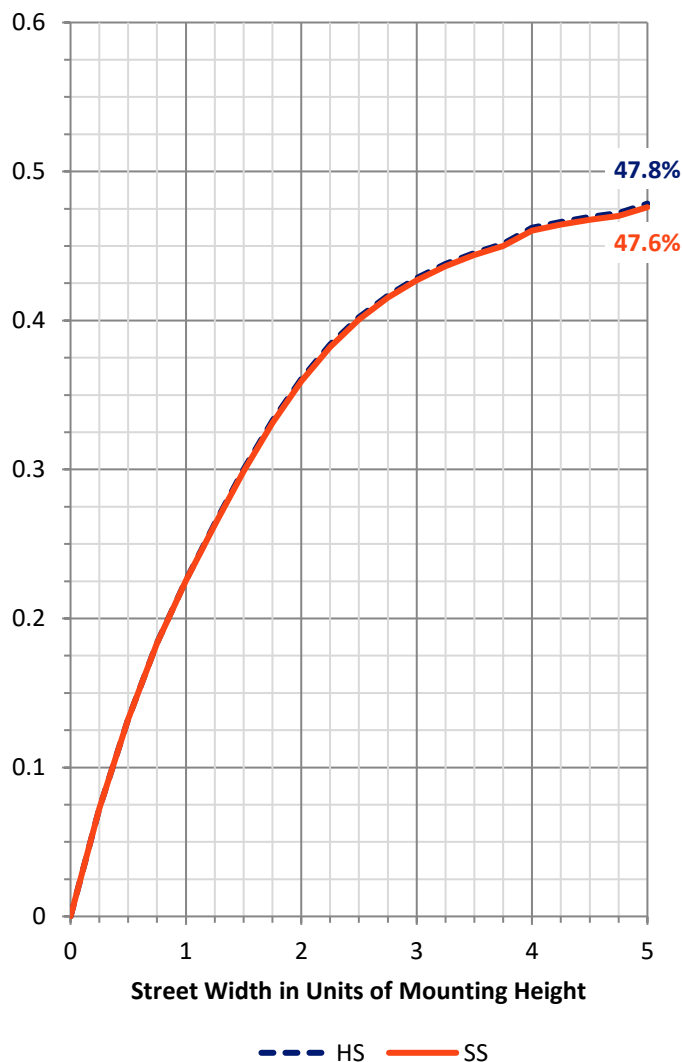
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4425.5	132.0	4557.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	4425.5	132.0	4557.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	8851.0	264.0	9115.0
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.9	0.8
10°-20°	216.3	2.4
20°-30°	382.9	4.2
30°-40°	645.9	7.1
40°-50°	724.0	7.9
50°-60°	1498.8	16.4
60°-70°	2638.1	28.9
70°-80°	2180.1	23.9
80°-90°	489.1	5.4
90°-100°	187.0	2.1
100°-110°	52.9	0.6
110°-120°	16.2	0.2
120°-130°	7.4	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°	8851.0	97.1
0°-180°	9115.0	100.0



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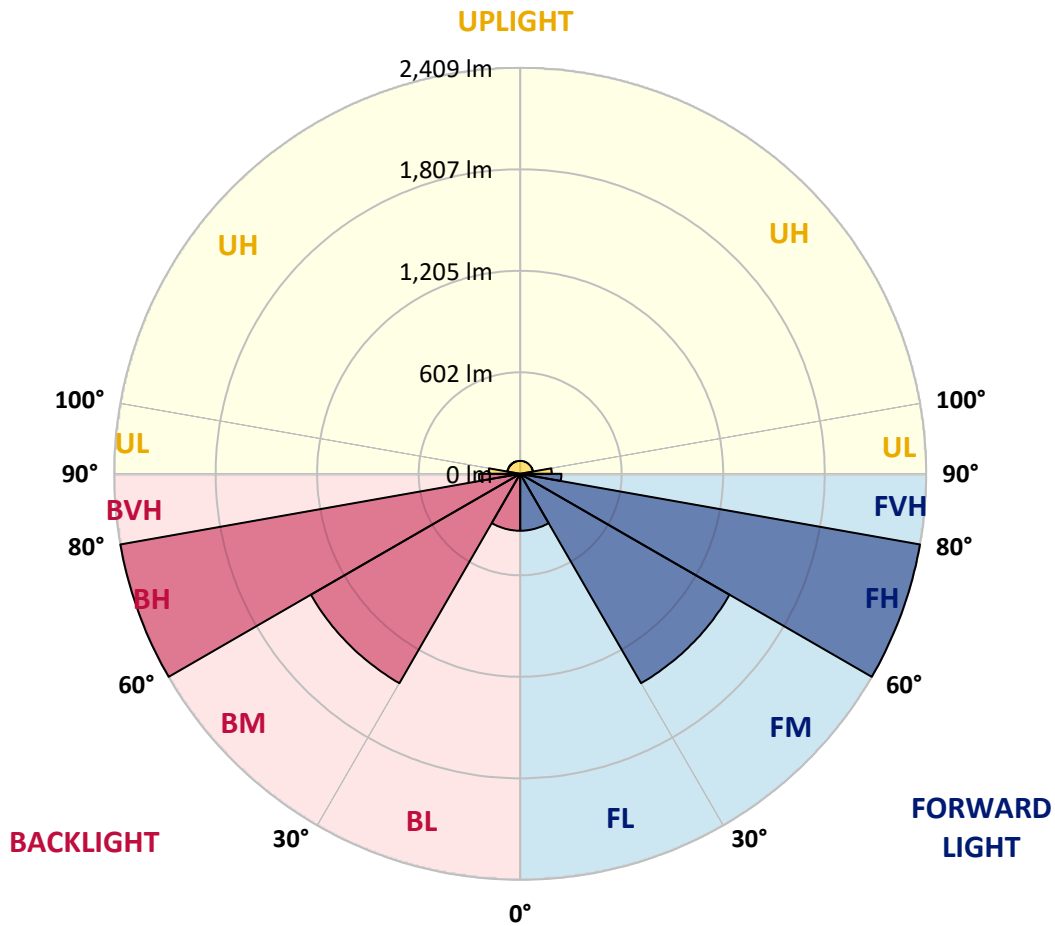
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	337.5	3.7			
FM (30°-60°)	1434.4	15.7			
FH (60°-80°)	2409.1	26.4			G2/5000
FVH (80°-90°)	244.5	2.7			G3/500
BL (0°-30°)	337.5	3.7	B1/500		
BM (30°-60°)	1434.4	15.7	B2/2500		
BH (60°-80°)	2409.1	26.4	B3/2500		G2/5000
BVH (80°-90°)	244.5	2.7			G3/500
UL (90°-100°)	187.0	2.1		U3/500	
UH (100°-180°)	77.0	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°	838.8	838.8	838.8	838.8	838.8	838.8	838.8	838.8	838.8	838.8	838.8
2.5°	830.1	830.1	824.3	821.5	824.3	827.2	830.1	830.1	827.2	824.3	824.3
5°	815.7	812.8	809.9	807.1	807.1	812.8	812.8	815.7	812.8	809.9	809.9
7.5°	778.2	778.2	775.3	772.5	778.2	784.0	792.6	795.5	798.4	798.4	798.4
10°	752.3	752.3	749.4	749.4	755.2	763.8	772.5	781.1	784.0	786.9	786.9
12.5°	737.9	737.9	737.9	735.0	743.6	752.3	766.7	772.5	778.2	781.1	781.1
15°	737.9	735.0	735.0	737.9	743.6	755.2	766.7	778.2	784.0	786.9	786.9
17.5°	743.6	740.8	740.8	740.8	749.4	760.9	775.3	784.0	792.6	795.5	795.5
20°	752.3	752.3	752.3	752.3	758.1	772.5	786.9	795.5	804.2	807.1	807.1
22.5°	775.3	775.3	772.5	769.6	775.3	786.9	804.2	812.8	821.5	827.2	827.2
25°	804.2	801.3	801.3	798.4	798.4	809.9	824.3	835.9	847.4	853.2	853.2
27.5°	838.8	835.9	835.9	830.1	830.1	844.5	856.1	867.6	879.1	884.9	884.9
30°	876.2	879.1	873.3	870.5	867.6	879.1	890.6	899.3	907.9	913.7	913.7
32.5°	936.8	936.8	931.0	928.1	925.2	933.9	939.6	945.4	954.0	965.6	968.5
35°	1011.7	1008.8	1008.8	1008.8	1008.8	1014.6	1020.3	1017.5	1034.8	1046.3	1052.0
37.5°	1109.7	1112.6	1106.8	1101.0	1098.2	1103.9	1109.7	1118.3	1135.6	1150.0	1152.9
40°	1092.4	1086.6	1092.4	1103.9	1106.8	1132.8	1158.7	1178.9	1207.7	1233.6	1236.5
42.5°	980.0	988.6	997.3	997.3	994.4	994.4	997.3	1000.2	1029.0	1066.5	1066.5
45°	804.2	809.9	821.5	815.7	789.8	778.2	784.0	792.6	824.3	916.6	919.5
47.5°	853.2	864.7	876.2	841.6	809.9	760.9	755.2	749.4	786.9	1043.4	1086.6
50°	1005.9	1005.9	1020.3	991.5	980.0	951.2	933.9	939.6	1020.3	1553.6	1648.7
52.5°	1308.6	1302.8	1337.4	1302.8	1291.3	1230.8	1164.5	1199.0	1282.6	2124.3	2320.3
55°	1588.2	1593.9	1628.5	1593.9	1562.2	1507.5	1418.1	1478.6	1591.0	2573.9	2853.5
57.5°	1890.8	1899.5	1939.8	1873.5	1810.1	1781.3	1697.7	1761.1	1885.0	2865.0	3239.7
60°	2205.0	2213.6	2233.8	2150.2	2092.6	2078.2	1983.0	2052.2	2202.1	3121.6	3542.4
62.5°	2504.7	2513.4	2501.9	2421.2	2386.6	2389.4	2297.2	2346.2	2507.6	3421.3	3778.7
65°	2695.0	2732.4	2723.8	2634.4	2622.9	2634.4	2536.4	2542.2	2709.4	3654.8	4012.2
67.5°	2787.2	2830.4	2810.3	2720.9	2726.7	2720.9	2597.0	2582.6	2755.5	3735.5	4078.5
70°	2695.0	2695.0	2680.6	2602.7	2599.9	2576.8	2484.6	2461.5	2597.0	3513.6	3824.8
72.5°	2470.2	2470.2	2458.6	2369.3	2352.0	2334.7	2279.9	2239.6	2357.7	3156.1	3467.4
75°	2144.5	2170.4	2156.0	2066.6	2046.5	2034.9	1997.5	1957.1	2063.7	2775.7	3038.0
77.5°	1715.0	1743.8	1726.5	1660.2	1642.9	1648.7	1622.7	1599.7	1677.5	2225.2	2467.3
80°	1150.0	1176.0	1144.3	1112.6	1086.6	1112.6	1101.0	1089.5	1132.8	1418.1	1660.2
82.5°	518.8	524.6	524.6	492.9	472.7	513.1	518.8	527.5	553.4	616.8	677.3
85°	317.1	319.9	314.2	305.5	294.0	302.6	299.8	305.5	317.1	337.2	348.8
87.5°	270.9	270.9	270.9	262.3	253.6	253.6	250.8	253.6	256.5	273.8	279.6
90°	239.2	239.2	239.2	233.5	227.7	227.7	230.6	227.7	233.5	250.8	259.4
92.5°	201.8	204.6	210.4	210.4	210.4	213.3	213.3	213.3	216.2	242.1	250.8
95°	149.9	147.0	158.5	167.2	170.1	175.8	175.8	175.8	181.6	204.6	213.3
97.5°	109.5	109.5	115.3	121.1	126.8	132.6	135.5	135.5	141.2	158.5	161.4
100°	77.8	77.8	83.6	89.4	92.2	100.9	103.8	103.8	103.8	115.3	115.3
102.5°	57.6	54.8	60.5	63.4	66.3	69.2	72.1	72.1	72.1	74.9	74.9
105°	34.6	34.6	37.5	40.4	43.2	43.2	46.1	46.1	43.2	43.2	43.2
107.5°	23.1	23.1	25.9	28.8	28.8	31.7	31.7	31.7	31.7	31.7	31.7
110°	17.3	17.3	20.2	23.1	23.1	25.9	25.9	25.9	25.9	23.1	23.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.4	14.4	17.3	17.3	20.2	20.2	20.2	20.2	20.2	20.2	20.2
115°	11.5	11.5	14.4	14.4	14.4	17.3	17.3	17.3	17.3	17.3	17.3
117.5°	8.6	8.6	11.5	11.5	14.4	14.4	14.4	14.4	14.4	14.4	14.4
120°	8.6	8.6	8.6	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
122.5°	5.8	5.8	8.6	8.6	8.6	8.6	8.6	8.6	8.6	11.5	11.5
125°	5.8	5.8	5.8	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
127.5°	5.8	5.8	5.8	5.8	8.6	8.6	8.6	8.6	8.6	8.6	8.6
130°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	8.6	8.6
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)