

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: P691185

Luminaire Tested: **CRTK2-C013-D-U-T5R-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691185
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-C013-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: 3199 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

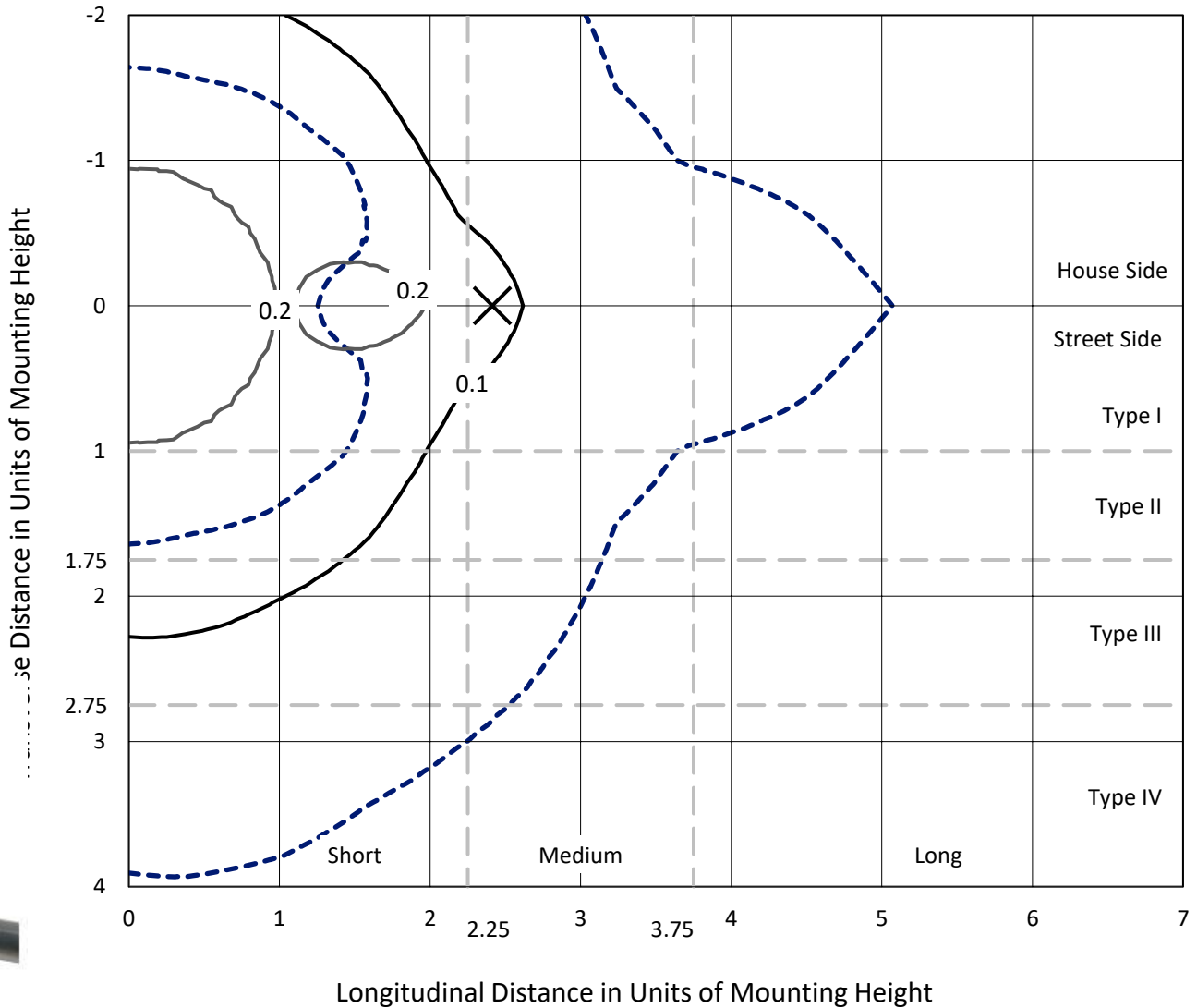
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

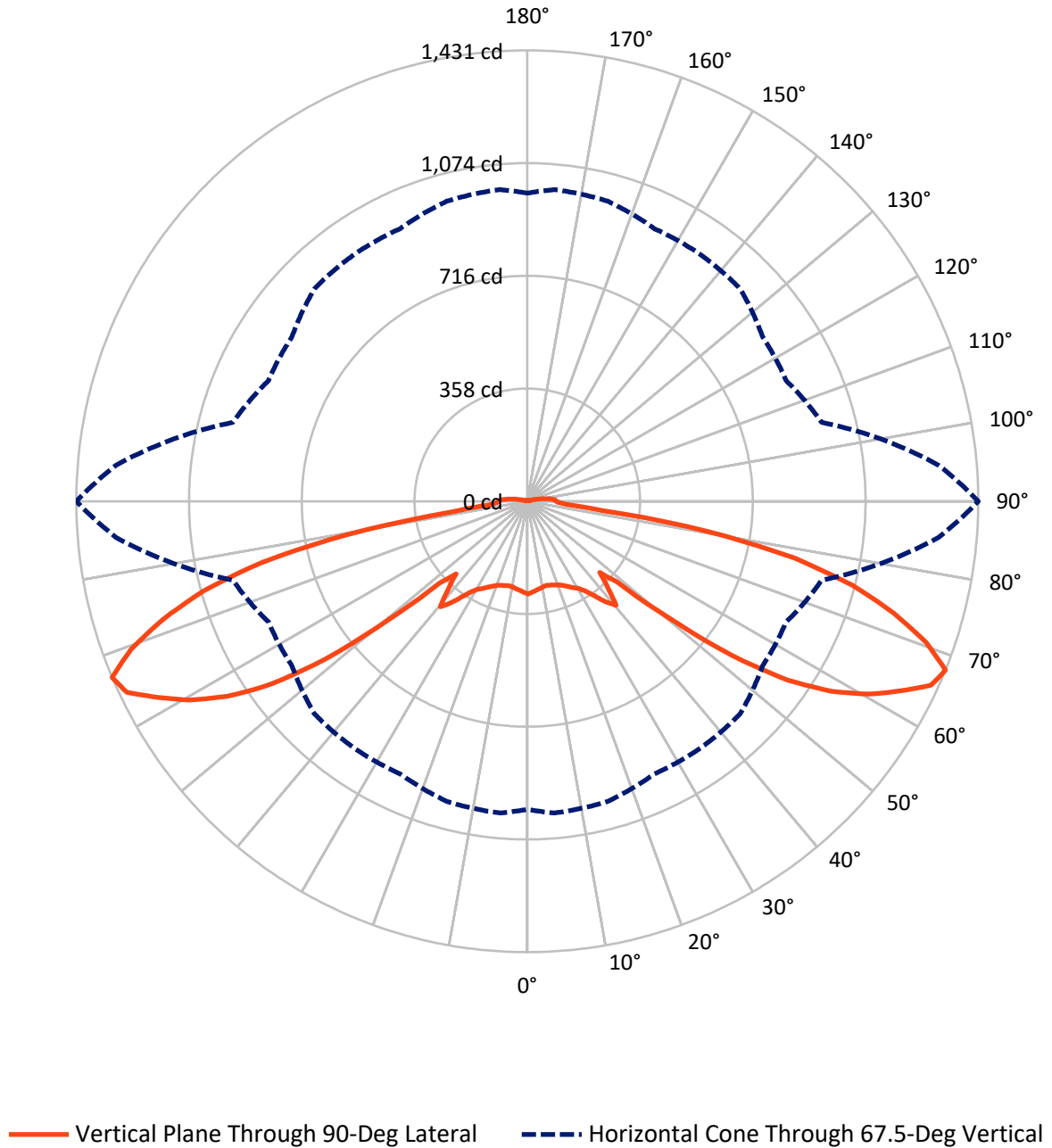
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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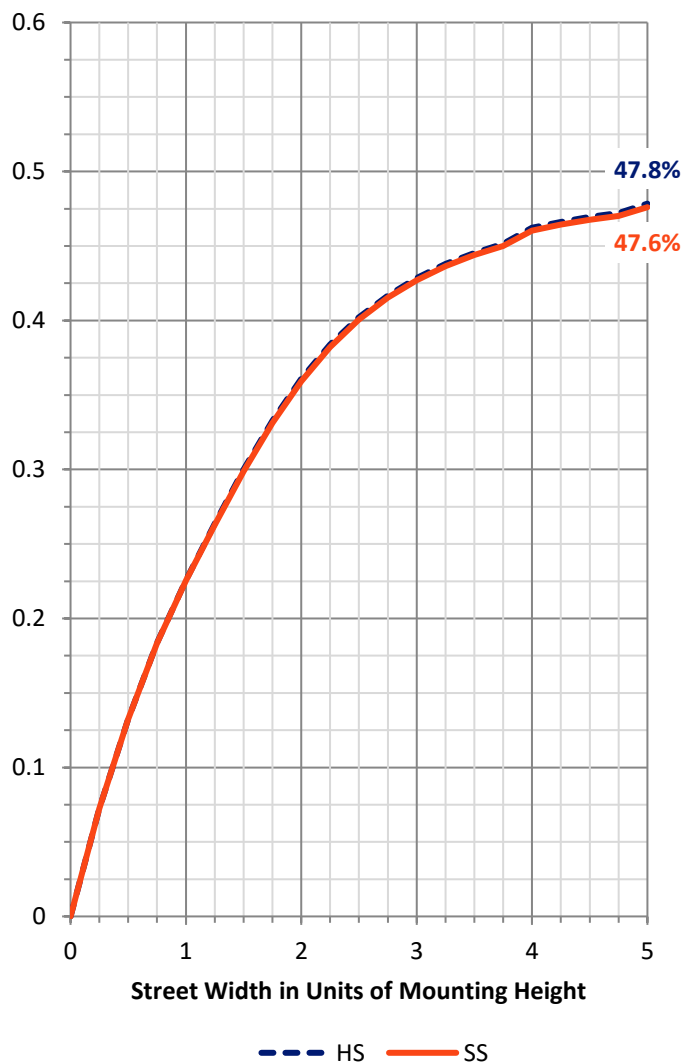
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1553.2	46.3	1599.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	1553.2	46.3	1599.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	3106.3	92.6	3199.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	0.8
10°-20°	75.9	2.4
20°-30°	134.4	4.2
30°-40°	226.7	7.1
40°-50°	254.1	7.9
50°-60°	526.0	16.4
60°-70°	925.9	28.9
70°-80°	765.1	23.9
80°-90°	171.6	5.4
90°-100°	65.6	2.1
100°-110°	18.6	0.6
110°-120°	5.7	0.2
120°-130°	2.6	0.1
130°-140°	0.2	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°	3106.3	97.1
0°-180°	3199.0	100.0

Coefficient of Utilization



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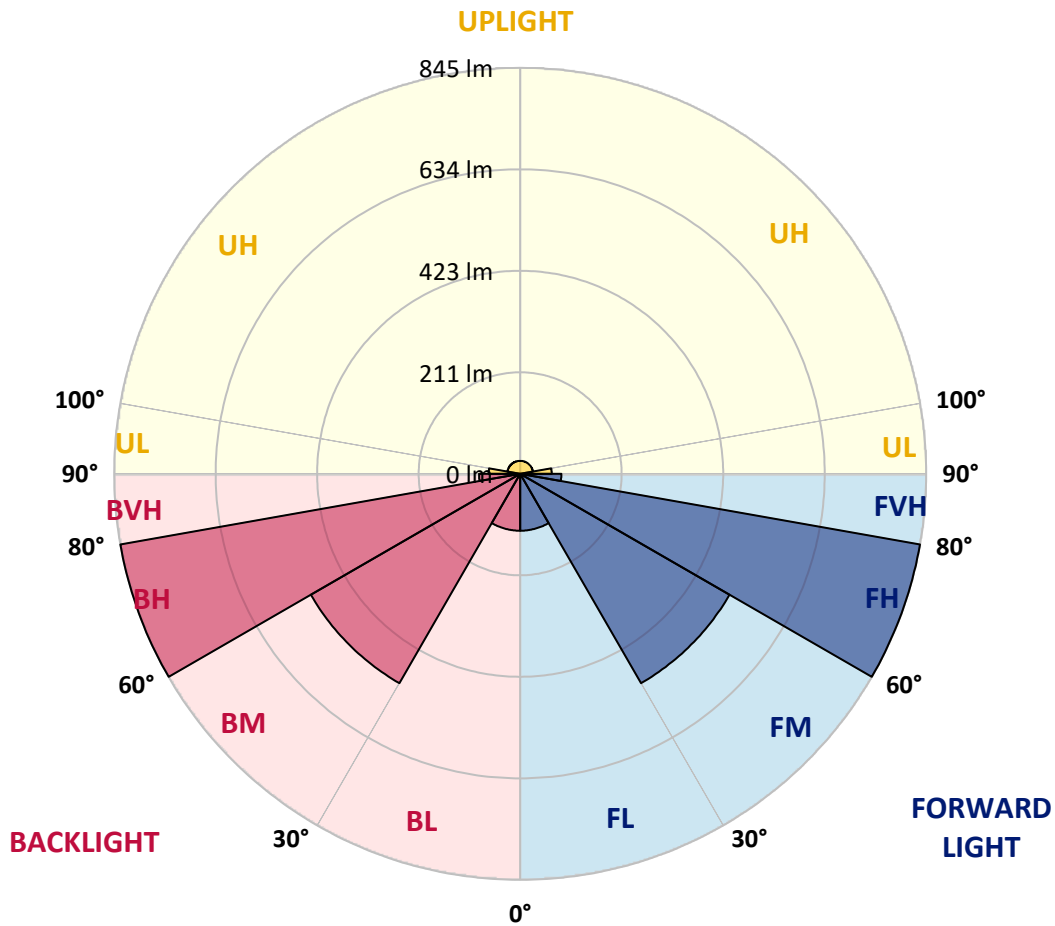
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.5	3.7			
FM (30°-60°)	503.4	15.7			
FH (60°-80°)	845.5	26.4			G1/1800
FVH (80°-90°)	85.8	2.7			G1/100
BL (0°-30°)	118.5	3.7	B1/500		
BM (30°-60°)	503.4	15.7	B1/1000		
BH (60°-80°)	845.5	26.4	B2/1000		G1/1800
BVH (80°-90°)	85.8	2.7			G1/100
UL (90°-100°)	65.6	2.1		U3/500	
UH (100°-180°)	27.0	0.8		U2/50	

BUG Rating: B2-U3-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4
2.5°	291.3	291.3	289.3	288.3	289.3	290.3	291.3	291.3	290.3	289.3	289.3
5°	286.3	285.3	284.3	283.2	283.2	285.3	285.3	286.3	285.3	284.3	284.3
7.5°	273.1	273.1	272.1	271.1	273.1	275.1	278.2	279.2	280.2	280.2	280.2
10°	264.0	264.0	263.0	263.0	265.0	268.1	271.1	274.1	275.1	276.2	276.2
12.5°	259.0	259.0	259.0	258.0	261.0	264.0	269.1	271.1	273.1	274.1	274.1
15°	259.0	258.0	258.0	259.0	261.0	265.0	269.1	273.1	275.1	276.2	276.2
17.5°	261.0	260.0	260.0	260.0	263.0	267.1	272.1	275.1	278.2	279.2	279.2
20°	264.0	264.0	264.0	264.0	266.0	271.1	276.2	279.2	282.2	283.2	283.2
22.5°	272.1	272.1	271.1	270.1	272.1	276.2	282.2	285.3	288.3	290.3	290.3
25°	282.2	281.2	281.2	280.2	280.2	284.3	289.3	293.4	297.4	299.4	299.4
27.5°	294.4	293.4	293.4	291.3	291.3	296.4	300.4	304.5	308.5	310.6	310.6
30°	307.5	308.5	306.5	305.5	304.5	308.5	312.6	315.6	318.6	320.7	320.7
32.5°	328.8	328.8	326.7	325.7	324.7	327.8	329.8	331.8	334.8	338.9	339.9
35°	355.1	354.1	354.1	354.1	354.1	356.1	358.1	357.1	363.2	367.2	369.2
37.5°	389.5	390.5	388.4	386.4	385.4	387.4	389.5	392.5	398.6	403.6	404.6
40°	383.4	381.4	383.4	387.4	388.4	397.6	406.7	413.7	423.9	433.0	434.0
42.5°	343.9	347.0	350.0	350.0	349.0	349.0	350.0	351.0	361.1	374.3	374.3
45°	282.2	284.3	288.3	286.3	277.2	273.1	275.1	278.2	289.3	321.7	322.7
47.5°	299.4	303.5	307.5	295.4	284.3	267.1	265.0	263.0	276.2	366.2	381.4
50°	353.0	353.0	358.1	348.0	343.9	333.8	327.8	329.8	358.1	545.2	578.6
52.5°	459.3	457.2	469.4	457.2	453.2	431.9	408.7	420.8	450.2	745.5	814.3
55°	557.4	559.4	571.5	559.4	548.3	529.1	497.7	518.9	558.4	903.3	1001.5
57.5°	663.6	666.6	680.8	657.5	635.3	625.2	595.8	618.1	661.6	1005.5	1137.0
60°	773.9	776.9	784.0	754.6	734.4	729.3	696.0	720.2	772.8	1095.5	1243.2
62.5°	879.1	882.1	878.1	849.7	837.6	838.6	806.2	823.4	880.1	1200.7	1326.2
65°	945.8	959.0	955.9	924.6	920.5	924.6	890.2	892.2	950.9	1282.7	1408.1
67.5°	978.2	993.4	986.3	954.9	957.0	954.9	911.4	906.4	967.1	1311.0	1431.4
70°	945.8	945.8	940.8	913.5	912.4	904.4	872.0	863.9	911.4	1233.1	1342.4
72.5°	866.9	866.9	862.9	831.5	825.4	819.4	800.2	786.0	827.5	1107.7	1216.9
75°	752.6	761.7	756.7	725.3	718.2	714.2	701.0	686.9	724.3	974.2	1066.2
77.5°	601.9	612.0	605.9	582.7	576.6	578.6	569.5	561.4	588.7	780.9	865.9
80°	403.6	412.7	401.6	390.5	381.4	390.5	386.4	382.4	397.6	497.7	582.7
82.5°	182.1	184.1	184.1	173.0	165.9	180.1	182.1	185.1	194.2	216.5	237.7
85°	111.3	112.3	110.3	107.2	103.2	106.2	105.2	107.2	111.3	118.4	122.4
87.5°	95.1	95.1	95.1	92.1	89.0	89.0	88.0	89.0	90.0	96.1	98.1
90°	84.0	84.0	84.0	81.9	79.9	79.9	80.9	79.9	81.9	88.0	91.0
92.5°	70.8	71.8	73.8	73.8	73.8	74.9	74.9	74.9	75.9	85.0	88.0
95°	52.6	51.6	55.6	58.7	59.7	61.7	61.7	61.7	63.7	71.8	74.9
97.5°	38.4	38.4	40.5	42.5	44.5	46.5	47.5	47.5	49.6	55.6	56.6
100°	27.3	27.3	29.3	31.4	32.4	35.4	36.4	36.4	36.4	40.5	40.5
102.5°	20.2	19.2	21.2	22.3	23.3	24.3	25.3	25.3	25.3	26.3	26.3
105°	12.1	12.1	13.2	14.2	15.2	15.2	16.2	16.2	15.2	15.2	15.2
107.5°	8.1	8.1	9.1	10.1	10.1	11.1	11.1	11.1	11.1	11.1	11.1
110°	6.1	6.1	7.1	8.1	8.1	9.1	9.1	9.1	9.1	8.1	8.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.1	5.1	6.1	6.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
115°	4.0	4.0	5.1	5.1	5.1	6.1	6.1	6.1	6.1	6.1	6.1
117.5°	3.0	3.0	4.0	4.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1
120°	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
122.5°	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0
125°	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
127.5°	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
130°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
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)