

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: P691093

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691093
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-C013-5TLD-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: 3780.1 lumens
Efficiency: N/A
Efficacy: 162.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G2

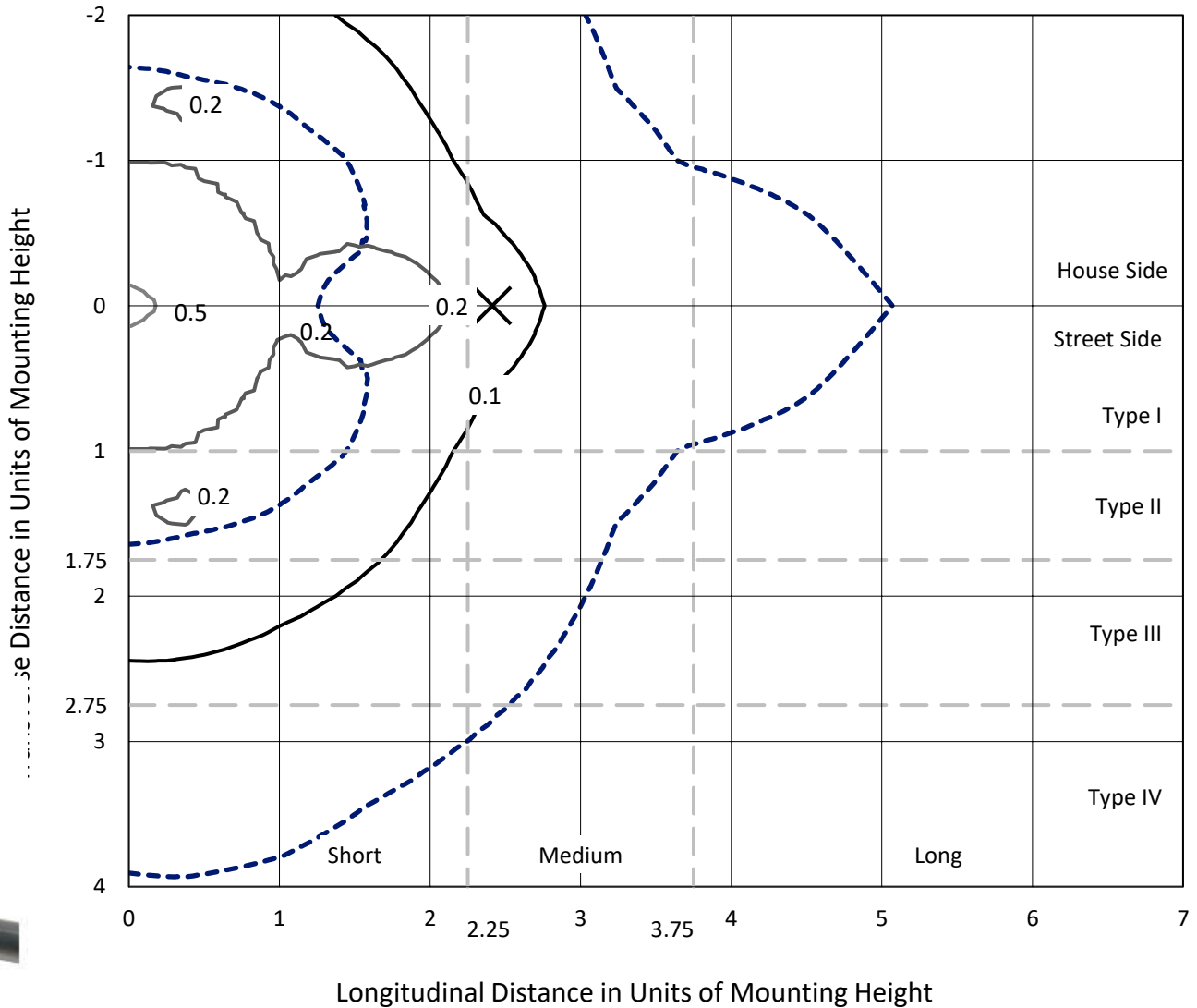
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691093
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7050-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

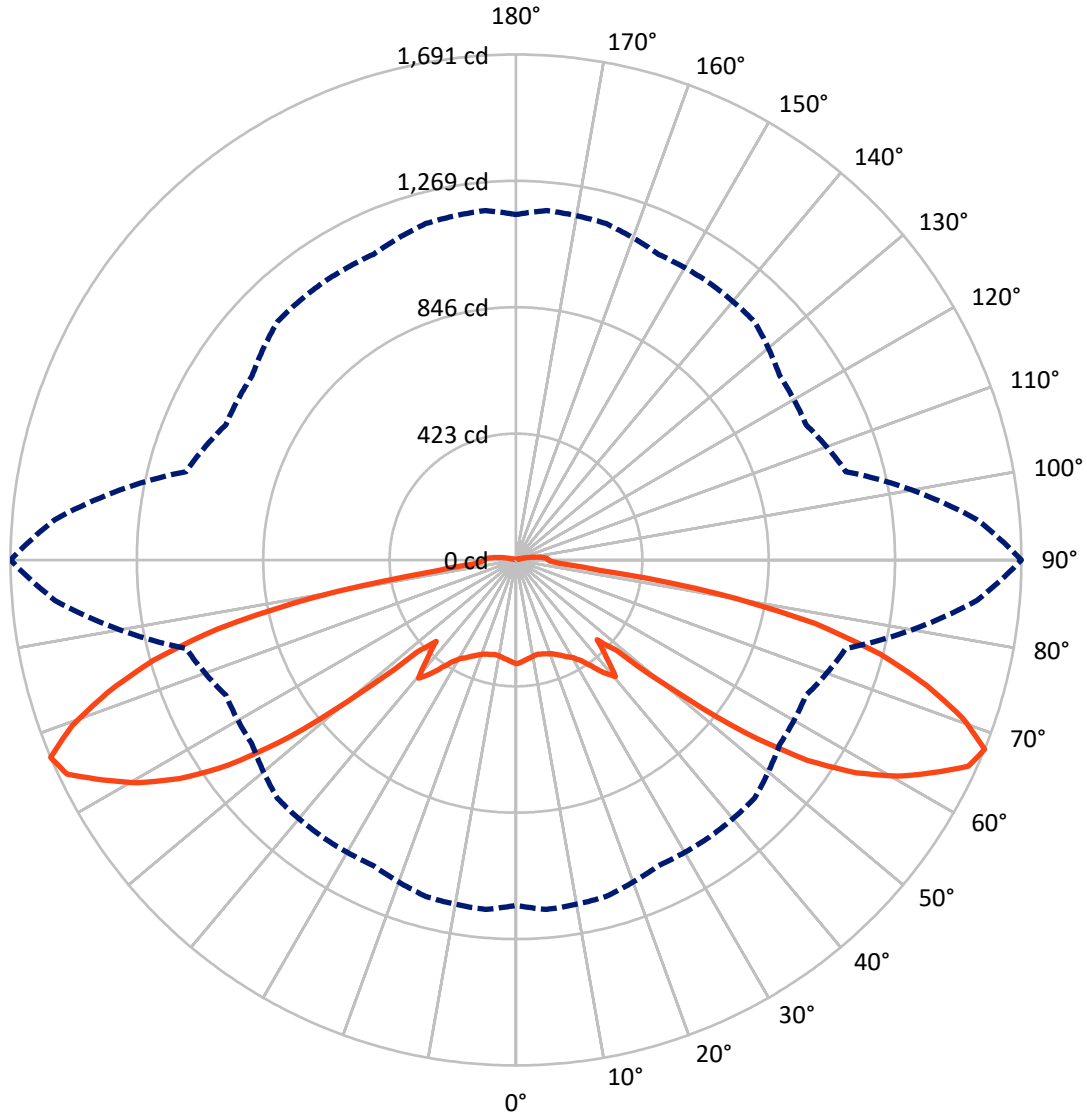
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

REPORT NUMBER: P691093
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7050-SR-CARETAKER

Luminous Intensity Polar Plot



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

REPORT NUMBER: P691093

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7050-SR-CARETAKER

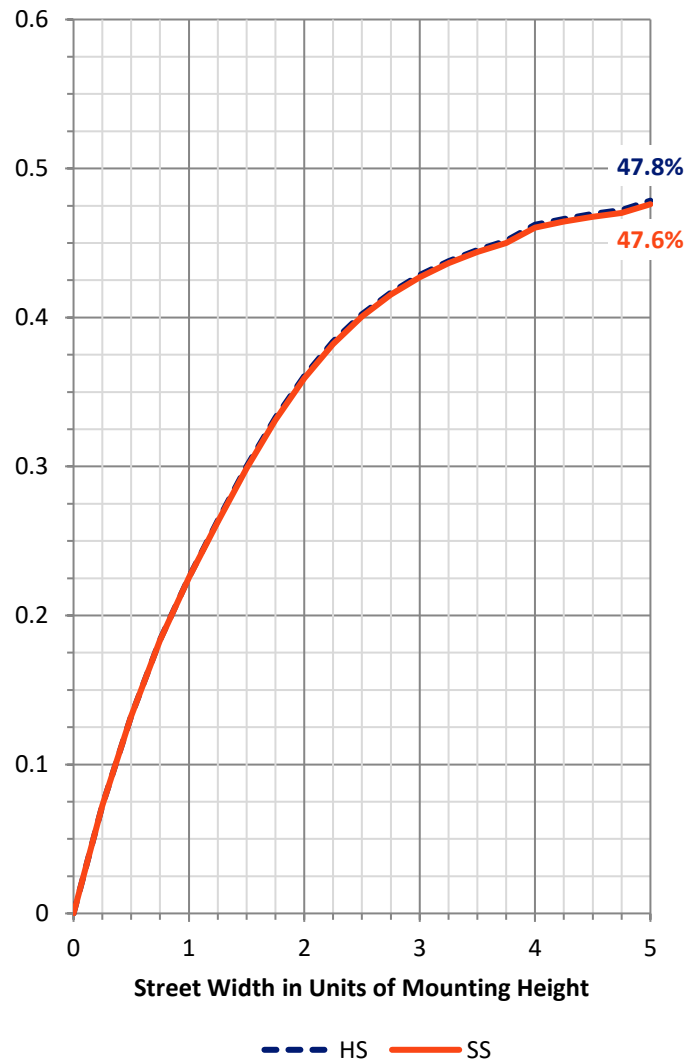
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1835.3	54.8	1890.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	1835.3	54.8	1890.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	3670.5	109.5	3780.1
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.5	0.8
10°-20°	89.7	2.4
20°-30°	158.8	4.2
30°-40°	267.9	7.1
40°-50°	300.2	7.9
50°-60°	621.6	16.4
60°-70°	1094.0	28.9
70°-80°	904.1	23.9
80°-90°	202.8	5.4
90°-100°	77.5	2.1
100°-110°	21.9	0.6
110°-120°	6.7	0.2
120°-130°	3.1	0.1
130°-140°	0.3	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°	3670.5	97.1
0°-180°	3780.1	100.0



REPORT NUMBER: P691093

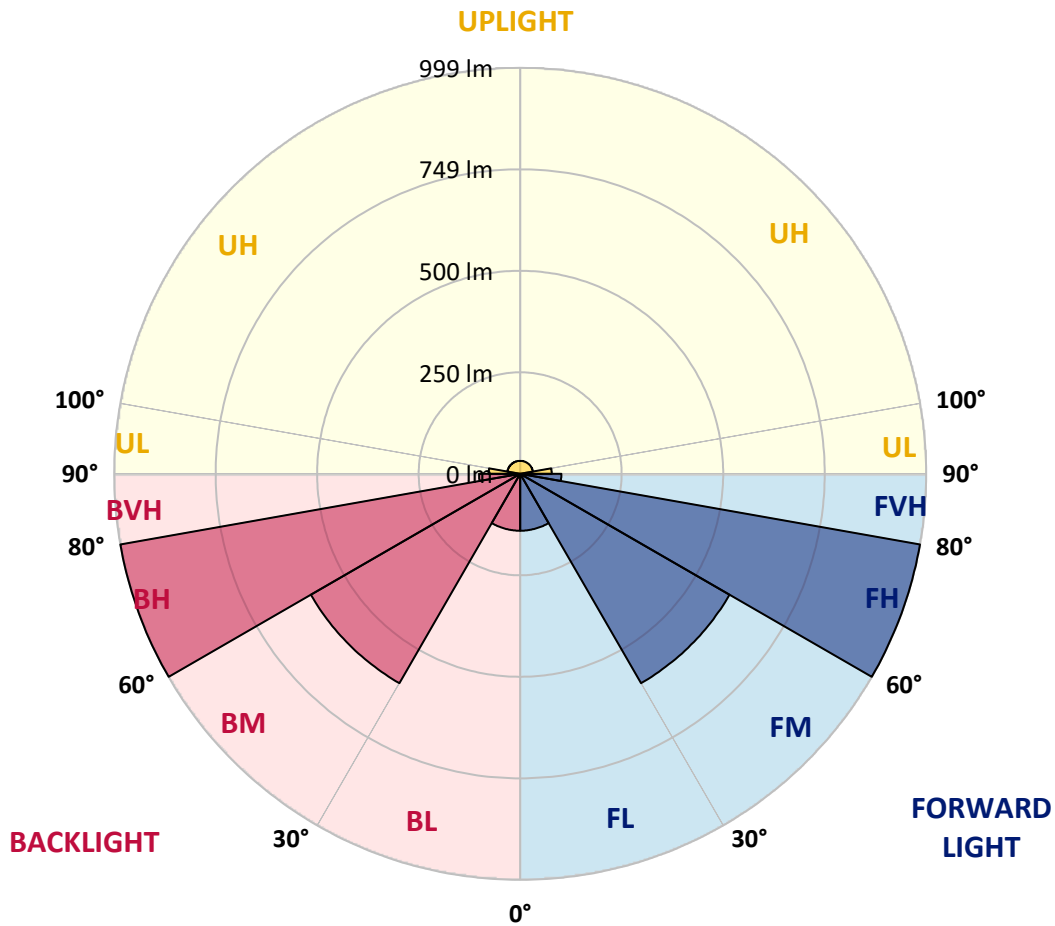
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.0	3.7			
FM (30°-60°)	594.8	15.7			
FH (60°-80°)	999.1	26.4			G1/1800
FVH (80°-90°)	101.4	2.7			G2/225
BL (0°-30°)	140.0	3.7	B1/500		
BM (30°-60°)	594.8	15.7	B1/1000		
BH (60°-80°)	999.1	26.4	B2/1000		G1/1800
BVH (80°-90°)	101.4	2.7			G2/225
UL (90°-100°)	77.5	2.1		U3/500	
UH (100°-180°)	32.0	0.8		U2/50	

BUG Rating: B2-U3-G2

Type V Short





REPORT NUMBER: P691093

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7050-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8
2.5°	344.2	344.2	341.9	340.7	341.9	343.1	344.2	344.2	343.1	341.9	341.9
5°	338.3	337.1	335.9	334.7	334.7	337.1	337.1	338.3	337.1	335.9	335.9
7.5°	322.7	322.7	321.5	320.3	322.7	325.1	328.7	329.9	331.1	331.1	331.1
10°	312.0	312.0	310.8	310.8	313.2	316.8	320.3	323.9	325.1	326.3	326.3
12.5°	306.0	306.0	306.0	304.8	308.4	312.0	318.0	320.3	322.7	323.9	323.9
15°	306.0	304.8	304.8	306.0	308.4	313.2	318.0	322.7	325.1	326.3	326.3
17.5°	308.4	307.2	307.2	307.2	310.8	315.6	321.5	325.1	328.7	329.9	329.9
20°	312.0	312.0	312.0	312.0	314.4	320.3	326.3	329.9	333.5	334.7	334.7
22.5°	321.5	321.5	320.3	319.1	321.5	326.3	333.5	337.1	340.7	343.1	343.1
25°	333.5	332.3	332.3	331.1	331.1	335.9	341.9	346.6	351.4	353.8	353.8
27.5°	347.8	346.6	346.6	344.2	344.2	350.2	355.0	359.8	364.6	367.0	367.0
30°	363.4	364.6	362.2	361.0	359.8	364.6	369.3	372.9	376.5	378.9	378.9
32.5°	388.5	388.5	386.1	384.9	383.7	387.3	389.7	392.1	395.6	400.4	401.6
35°	419.6	418.4	418.4	418.4	418.4	420.7	423.1	421.9	429.1	433.9	436.3
37.5°	460.2	461.4	459.0	456.6	455.4	457.8	460.2	463.8	470.9	476.9	478.1
40°	453.0	450.6	453.0	457.8	459.0	469.8	480.5	488.9	500.8	511.6	512.8
42.5°	406.4	410.0	413.6	413.6	412.4	412.4	413.6	414.8	426.7	442.3	442.3
45°	333.5	335.9	340.7	338.3	327.5	322.7	325.1	328.7	341.9	380.1	381.3
47.5°	353.8	358.6	363.4	349.0	335.9	315.6	313.2	310.8	326.3	432.7	450.6
50°	417.2	417.2	423.1	411.2	406.4	394.5	387.3	389.7	423.1	644.3	683.7
52.5°	542.7	540.3	554.6	540.3	535.5	510.4	482.9	497.2	531.9	880.9	962.2
55°	658.6	661.0	675.3	661.0	647.9	625.1	588.1	613.2	659.8	1067.4	1183.4
57.5°	784.1	787.7	804.4	776.9	750.7	738.7	704.0	730.3	781.7	1188.1	1343.5
60°	914.4	918.0	926.4	891.7	867.8	861.8	822.4	851.1	913.2	1294.5	1469.0
62.5°	1038.7	1042.3	1037.5	1004.1	989.7	990.9	952.7	973.0	1039.9	1418.8	1567.0
65°	1117.6	1133.1	1129.6	1092.5	1087.7	1092.5	1051.9	1054.3	1123.6	1515.6	1663.9
67.5°	1155.9	1173.8	1165.4	1128.4	1130.8	1128.4	1077.0	1071.0	1142.7	1549.1	1691.4
70°	1117.6	1117.6	1111.6	1079.4	1078.2	1068.6	1030.4	1020.8	1077.0	1457.1	1586.2
72.5°	1024.4	1024.4	1019.6	982.5	975.4	968.2	945.5	928.8	977.8	1308.9	1437.9
75°	889.3	900.1	894.1	857.0	848.7	843.9	828.3	811.6	855.8	1151.1	1259.8
77.5°	711.2	723.2	716.0	688.5	681.3	683.7	673.0	663.4	695.7	922.8	1023.2
80°	476.9	487.7	474.5	461.4	450.6	461.4	456.6	451.8	469.8	588.1	688.5
82.5°	215.2	217.5	217.5	204.4	196.0	212.8	215.2	218.7	229.5	255.8	280.9
85°	131.5	132.7	130.3	126.7	121.9	125.5	124.3	126.7	131.5	139.9	144.6
87.5°	112.4	112.4	112.4	108.8	105.2	105.2	104.0	105.2	106.4	113.6	115.9
90°	99.2	99.2	99.2	96.8	94.4	94.4	95.6	94.4	96.8	104.0	107.6
92.5°	83.7	84.9	87.3	87.3	87.3	88.5	88.5	88.5	89.6	100.4	104.0
95°	62.2	61.0	65.7	69.3	70.5	72.9	72.9	72.9	75.3	84.9	88.5
97.5°	45.4	45.4	47.8	50.2	52.6	55.0	56.2	56.2	58.6	65.7	66.9
100°	32.3	32.3	34.7	37.1	38.2	41.8	43.0	43.0	43.0	47.8	47.8
102.5°	23.9	22.7	25.1	26.3	27.5	28.7	29.9	29.9	29.9	31.1	31.1
105°	14.3	14.3	15.5	16.7	17.9	17.9	19.1	19.1	17.9	17.9	17.9
107.5°	9.6	9.6	10.8	12.0	12.0	13.1	13.1	13.1	13.1	13.1	13.1
110°	7.2	7.2	8.4	9.6	9.6	10.8	10.8	10.8	10.8	9.6	9.6



REPORT NUMBER: P691093
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.0	6.0	7.2	7.2	8.4	8.4	8.4	8.4	8.4	8.4	8.4
115°	4.8	4.8	6.0	6.0	6.0	7.2	7.2	7.2	7.2	7.2	7.2
117.5°	3.6	3.6	4.8	4.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0
120°	3.6	3.6	3.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
122.5°	2.4	2.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.8	4.8
125°	2.4	2.4	2.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
127.5°	2.4	2.4	2.4	2.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6
130°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.6	3.6
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)