

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: P691369

Luminaire Tested: **CRTK2-C015-D-U-T5R-7050-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691369  
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-C015-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**

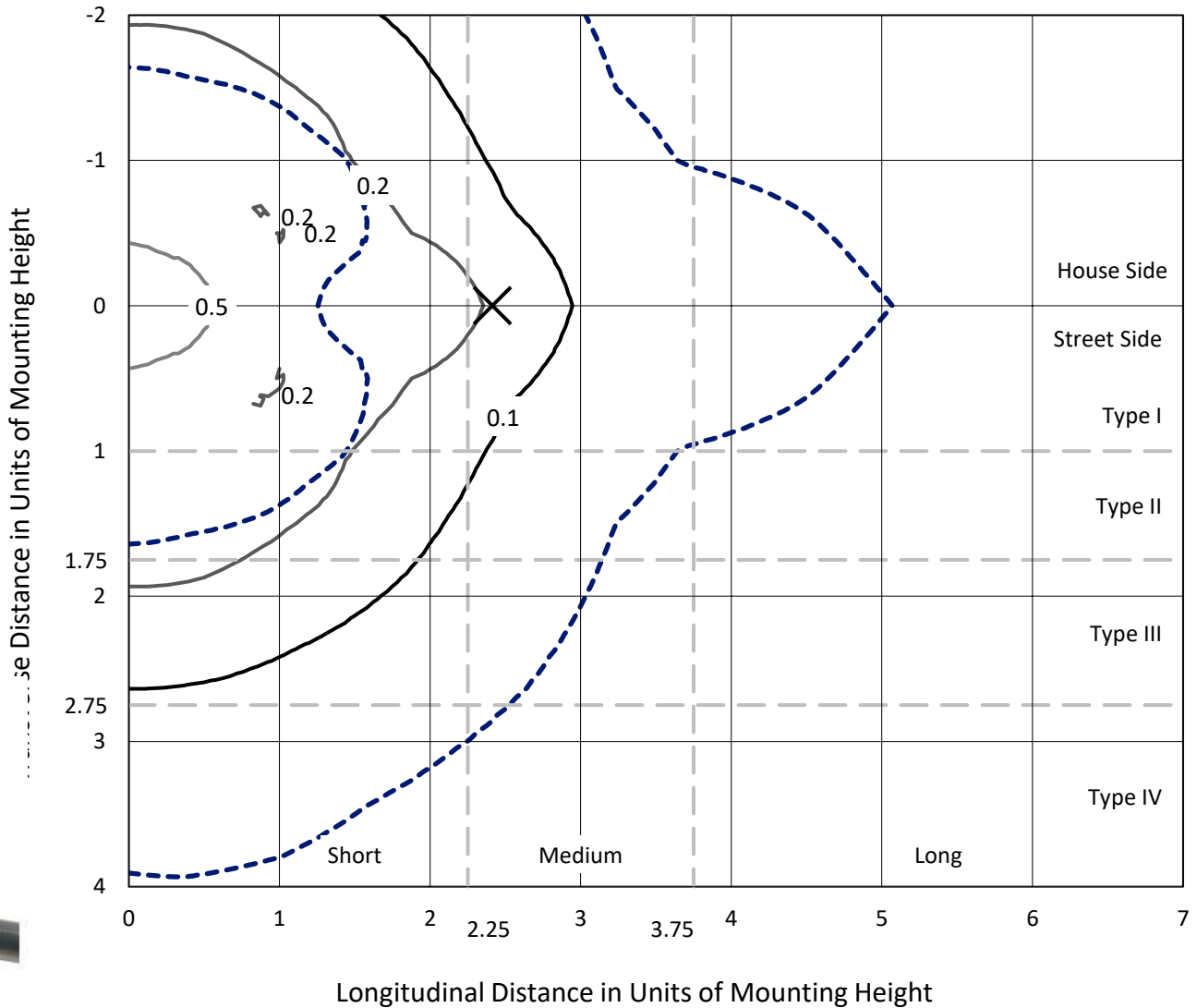
Lumens per Lamp: N/A  
Luminaire Lumens: 4688 lumens  
Efficiency: N/A  
Efficacy: 156.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type V - Short  
BUG Rating: B3 - U3 - G2  
  
Input Watts (W): 29.9  
Input Voltage (V): NR  
Input Current (Ain): 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

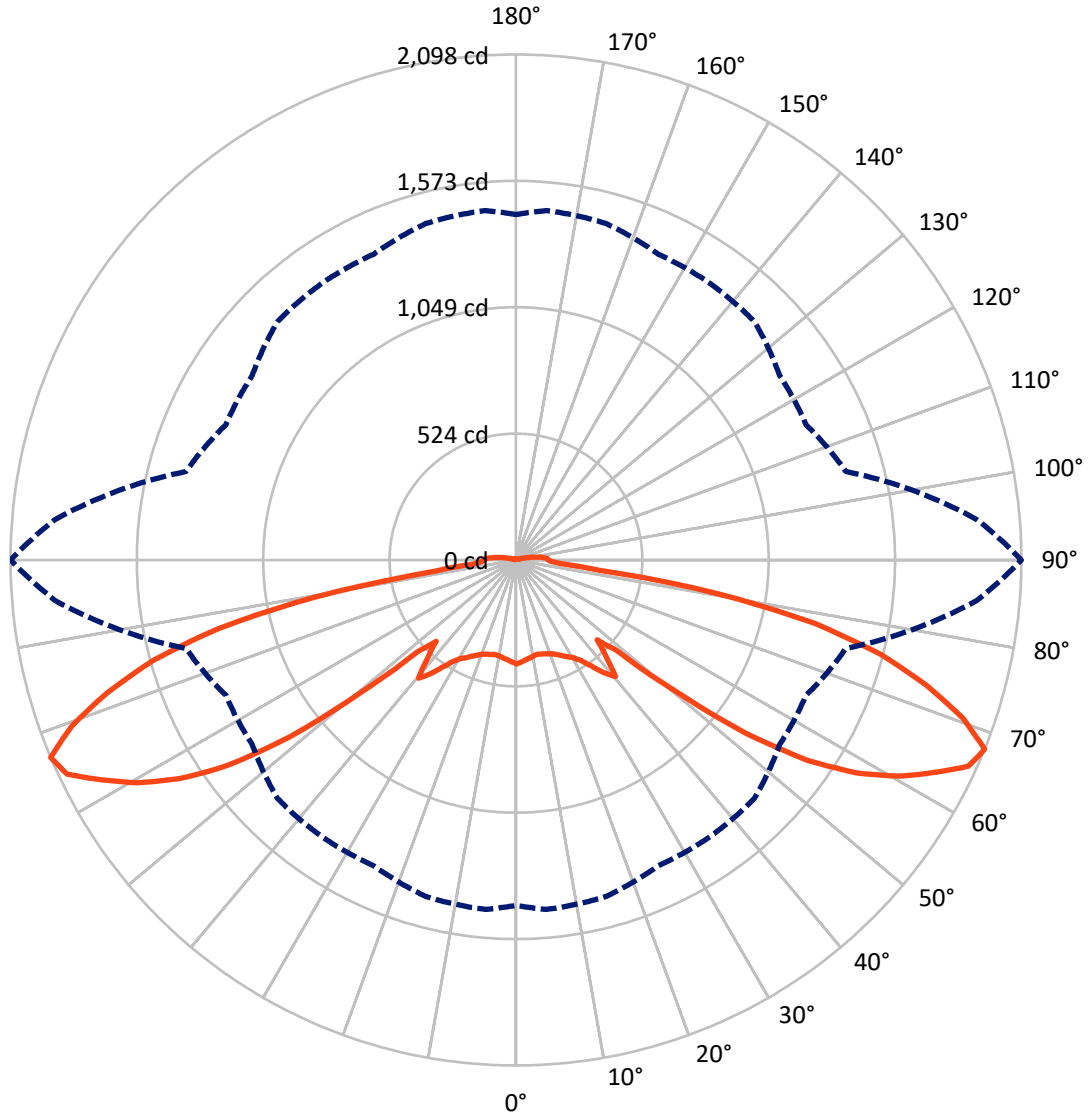
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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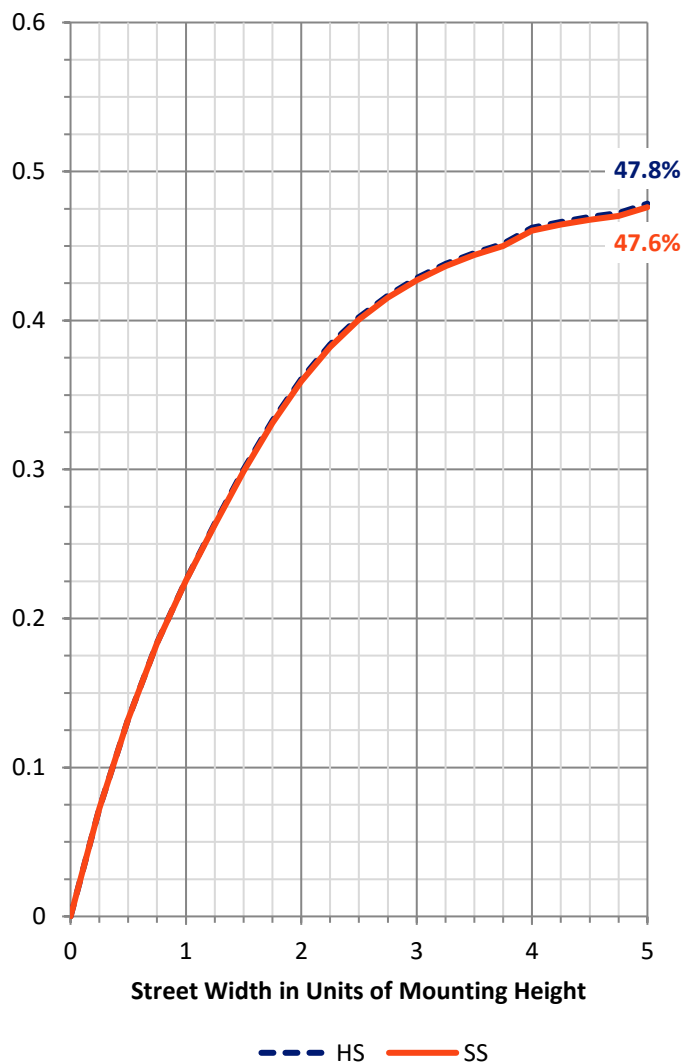
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2276.1	67.9	2344.0
	% Fixture	48.6	1.4	50.0
<b>Street Side</b>	Lumens	2276.1	67.9	2344.0
	% Fixture	48.6	1.4	50.0
<b>Total</b>	Lumens	4552.2	135.8	4688.0
	% Fixture	97.1	2.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.0	0.8
10°-20°	111.2	2.4
20°-30°	196.9	4.2
30°-40°	332.2	7.1
40°-50°	372.3	7.9
50°-60°	770.9	16.4
60°-70°	1356.8	28.9
70°-80°	1121.3	23.9
80°-90°	251.5	5.4
90°-100°	96.2	2.1
100°-110°	27.2	0.6
110°-120°	8.3	0.2
120°-130°	3.8	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°	4552.2	97.1
0°-180°	4688.0	100.0

**Coefficient of Utilization**



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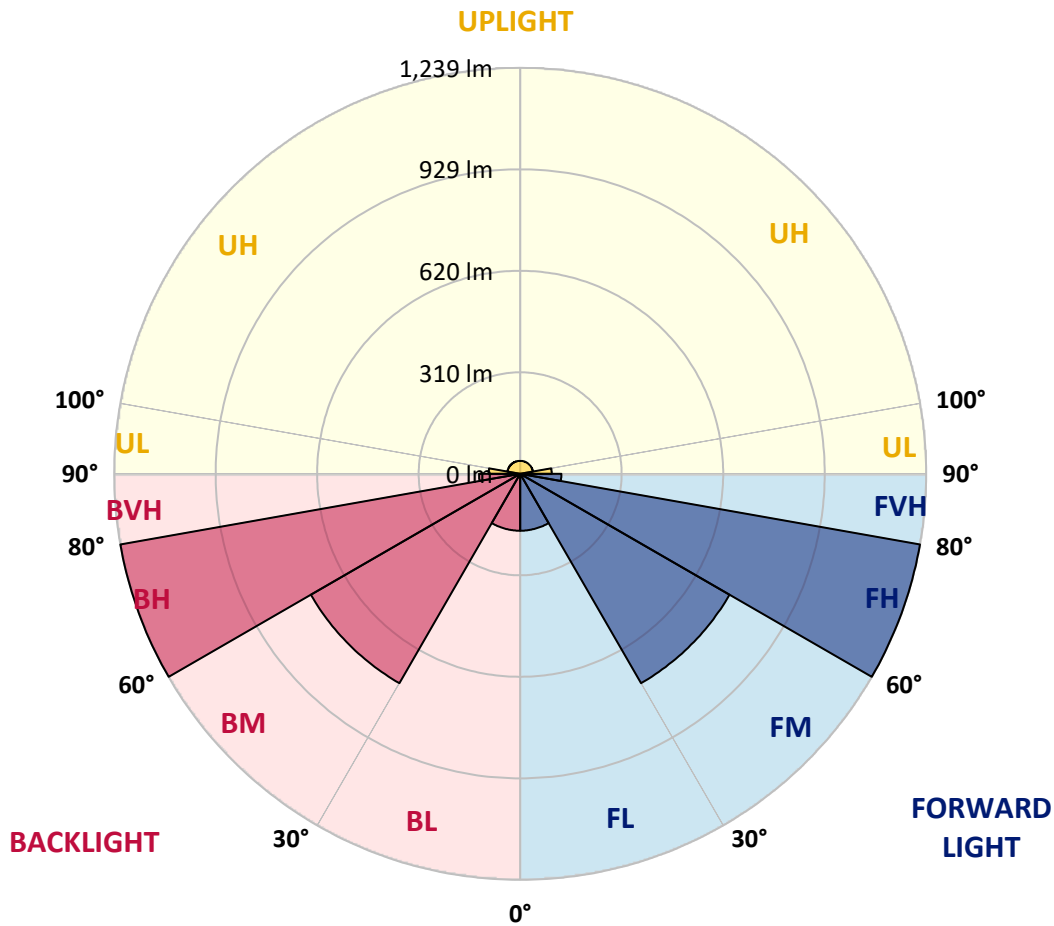
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.6	3.7			
FM (30°-60°)	737.7	15.7			
FH (60°-80°)	1239.0	26.4			G1/1800
FVH (80°-90°)	125.8	2.7			G2/225
BL (0°-30°)	173.6	3.7	B1/500		
BM (30°-60°)	737.7	15.7	B1/1000		
BH (60°-80°)	1239.0	26.4	B3/2500		G1/1800
BVH (80°-90°)	125.8	2.7			G2/225
UL (90°-100°)	96.2	2.1		U3/500	
UH (100°-180°)	39.6	0.8		U2/50	

**BUG Rating: B3-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4
2.5°	426.9	426.9	424.0	422.5	424.0	425.5	426.9	426.9	425.5	424.0	424.0
5°	419.5	418.0	416.6	415.1	415.1	418.0	418.0	419.5	418.0	416.6	416.6
7.5°	400.3	400.3	398.8	397.3	400.3	403.2	407.7	409.2	410.6	410.6	410.6
10°	386.9	386.9	385.4	385.4	388.4	392.8	397.3	401.7	403.2	404.7	404.7
12.5°	379.5	379.5	379.5	378.0	382.5	386.9	394.3	397.3	400.3	401.7	401.7
15°	379.5	378.0	378.0	379.5	382.5	388.4	394.3	400.3	403.2	404.7	404.7
17.5°	382.5	381.0	381.0	381.0	385.4	391.4	398.8	403.2	407.7	409.2	409.2
20°	386.9	386.9	386.9	386.9	389.9	397.3	404.7	409.2	413.6	415.1	415.1
22.5°	398.8	398.8	397.3	395.8	398.8	404.7	413.6	418.0	422.5	425.5	425.5
25°	413.6	412.1	412.1	410.6	410.6	416.6	424.0	429.9	435.8	438.8	438.8
27.5°	431.4	429.9	429.9	426.9	426.9	434.4	440.3	446.2	452.1	455.1	455.1
30°	450.7	452.1	449.2	447.7	446.2	452.1	458.1	462.5	467.0	469.9	469.9
32.5°	481.8	481.8	478.8	477.3	475.9	480.3	483.3	486.2	490.7	496.6	498.1
35°	520.3	518.9	518.9	518.9	518.9	521.8	524.8	523.3	532.2	538.1	541.1
37.5°	570.7	572.2	569.3	566.3	564.8	567.8	570.7	575.2	584.1	591.5	593.0
40°	561.8	558.9	561.8	567.8	569.3	582.6	595.9	606.3	621.1	634.5	636.0
42.5°	504.0	508.5	512.9	512.9	511.4	511.4	512.9	514.4	529.2	548.5	548.5
45°	413.6	416.6	422.5	419.5	406.2	400.3	403.2	407.7	424.0	471.4	472.9
47.5°	438.8	444.7	450.7	432.9	416.6	391.4	388.4	385.4	404.7	536.6	558.9
50°	517.4	517.4	524.8	510.0	504.0	489.2	480.3	483.3	524.8	799.0	847.9
52.5°	673.0	670.1	687.8	670.1	664.1	633.0	598.9	616.7	659.7	1092.6	1193.4
55°	816.8	819.8	837.6	819.8	803.5	775.3	729.4	760.5	818.3	1323.8	1467.6
57.5°	972.5	976.9	997.7	963.6	931.0	916.1	873.2	905.8	969.5	1473.5	1666.3
60°	1134.1	1138.5	1148.9	1105.9	1076.2	1068.8	1019.9	1055.5	1132.6	1605.5	1821.9
62.5°	1288.2	1292.7	1286.7	1245.2	1227.5	1228.9	1181.5	1206.7	1289.7	1759.6	1943.5
65°	1386.1	1405.3	1400.9	1354.9	1349.0	1354.9	1304.5	1307.5	1393.5	1879.7	2063.5
67.5°	1433.5	1455.7	1445.4	1399.4	1402.4	1399.4	1335.7	1328.3	1417.2	1921.2	2097.6
70°	1386.1	1386.1	1378.7	1338.6	1337.2	1325.3	1277.9	1266.0	1335.7	1807.1	1967.2
72.5°	1270.4	1270.4	1264.5	1218.6	1209.7	1200.8	1172.6	1151.8	1212.6	1623.3	1783.4
75°	1102.9	1116.3	1108.9	1062.9	1052.5	1046.6	1027.3	1006.6	1061.4	1427.6	1562.5
77.5°	882.0	896.9	888.0	853.9	845.0	847.9	834.6	822.7	862.8	1144.4	1269.0
80°	591.5	604.8	588.5	572.2	558.9	572.2	566.3	560.4	582.6	729.4	853.9
82.5°	266.8	269.8	269.8	253.5	243.1	263.9	266.8	271.3	284.6	317.2	348.4
85°	163.1	164.5	161.6	157.1	151.2	155.7	154.2	157.1	163.1	173.4	179.4
87.5°	139.3	139.3	139.3	134.9	130.5	130.5	129.0	130.5	131.9	140.8	143.8
90°	123.0	123.0	123.0	120.1	117.1	117.1	118.6	117.1	120.1	129.0	133.4
92.5°	103.8	105.3	108.2	108.2	108.2	109.7	109.7	109.7	111.2	124.5	129.0
95°	77.1	75.6	81.5	86.0	87.5	90.4	90.4	90.4	93.4	105.3	109.7
97.5°	56.3	56.3	59.3	62.3	65.2	68.2	69.7	69.7	72.6	81.5	83.0
100°	40.0	40.0	43.0	46.0	47.4	51.9	53.4	53.4	53.4	59.3	59.3
102.5°	29.6	28.2	31.1	32.6	34.1	35.6	37.1	37.1	37.1	38.5	38.5
105°	17.8	17.8	19.3	20.8	22.2	22.2	23.7	23.7	22.2	22.2	22.2
107.5°	11.9	11.9	13.3	14.8	14.8	16.3	16.3	16.3	16.3	16.3	16.3
110°	8.9	8.9	10.4	11.9	11.9	13.3	13.3	13.3	13.3	11.9	11.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.4	7.4	8.9	8.9	10.4	10.4	10.4	10.4	10.4	10.4	10.4
115°	5.9	5.9	7.4	7.4	7.4	8.9	8.9	8.9	8.9	8.9	8.9
117.5°	4.4	4.4	5.9	5.9	7.4	7.4	7.4	7.4	7.4	7.4	7.4
120°	4.4	4.4	4.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
122.5°	3.0	3.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.9	5.9
125°	3.0	3.0	3.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
127.5°	3.0	3.0	3.0	3.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4
130°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.4	4.4
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)