

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: P565341

Luminaire Tested: **IFLD-S-SA2A-AMB-U-SL4**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565341  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-AMB-U-SL4  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ SL4 distribution lens  
Light Source: (32) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

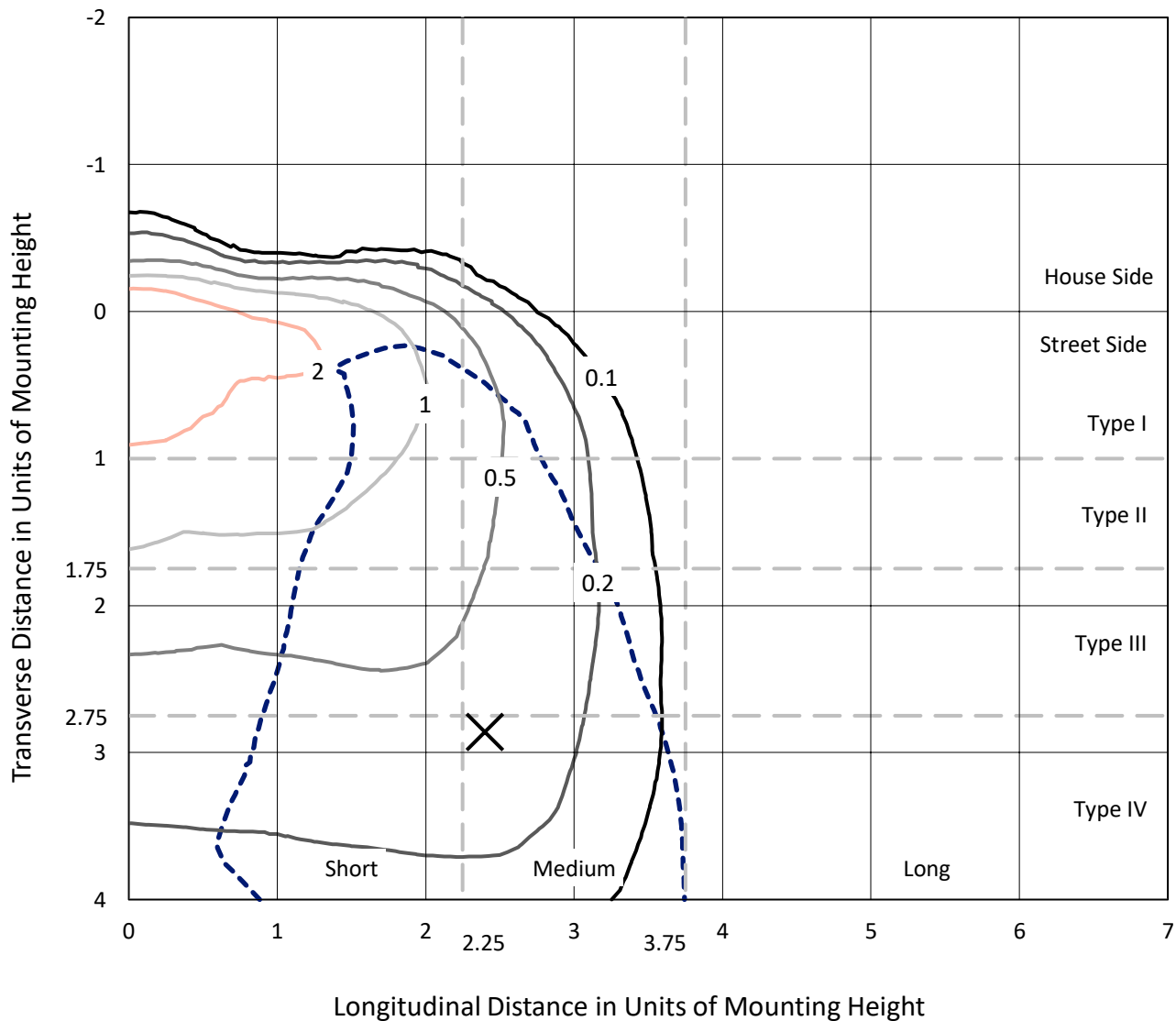
Lumens per Lamp: N/A  
Luminaire Lumens: 2122.8 lumens  
Efficiency: N/A  
Efficacy: 51.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 41.2  
Input Voltage (V): 120  
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

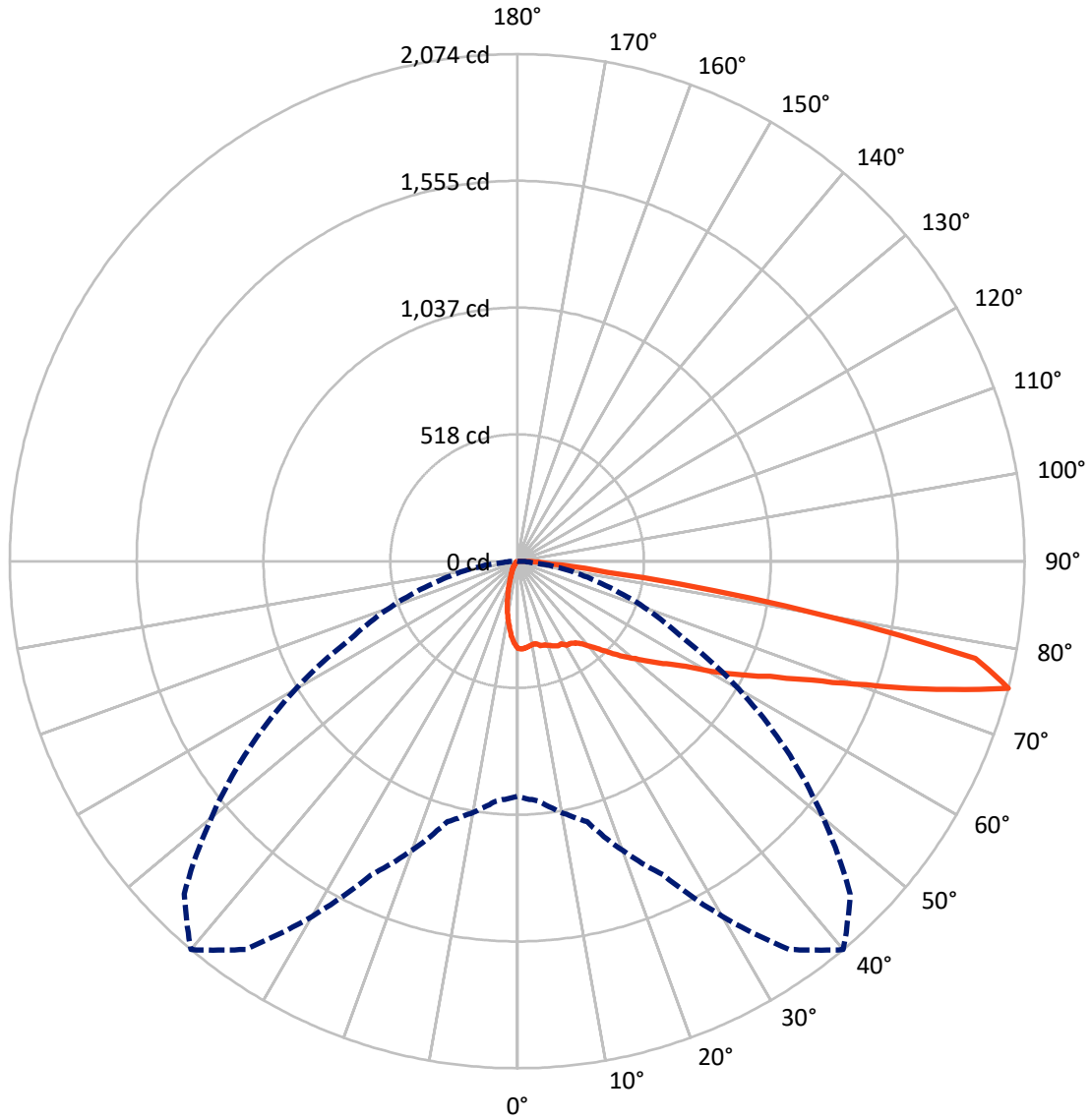
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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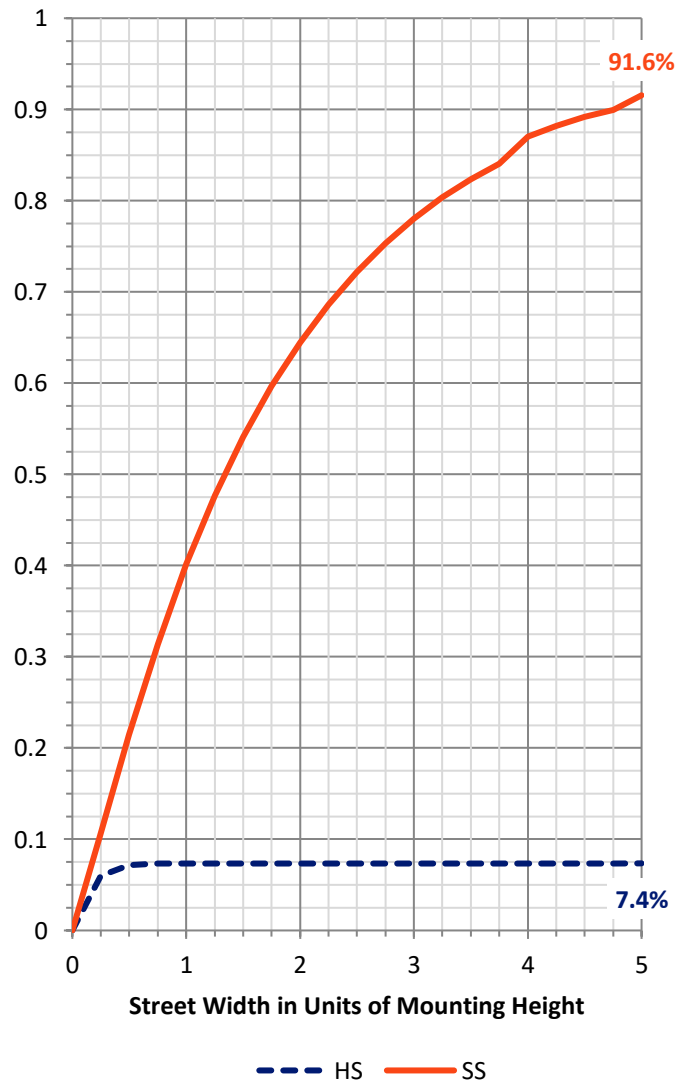
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	157.9	0.0	157.9
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	1964.9	0.0	1964.9
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	2122.8	0.0	2122.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.7	1.4
10°-20°	75.5	3.6
20°-30°	112.4	5.3
30°-40°	156.1	7.4
40°-50°	235.8	11.1
50°-60°	370.4	17.4
60°-70°	529.8	25.0
70°-80°	527.5	24.8
80°-90°	84.7	4.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	2122.8	100.0
0°-180°	2122.8	100.0

**Coefficient of Utilization**

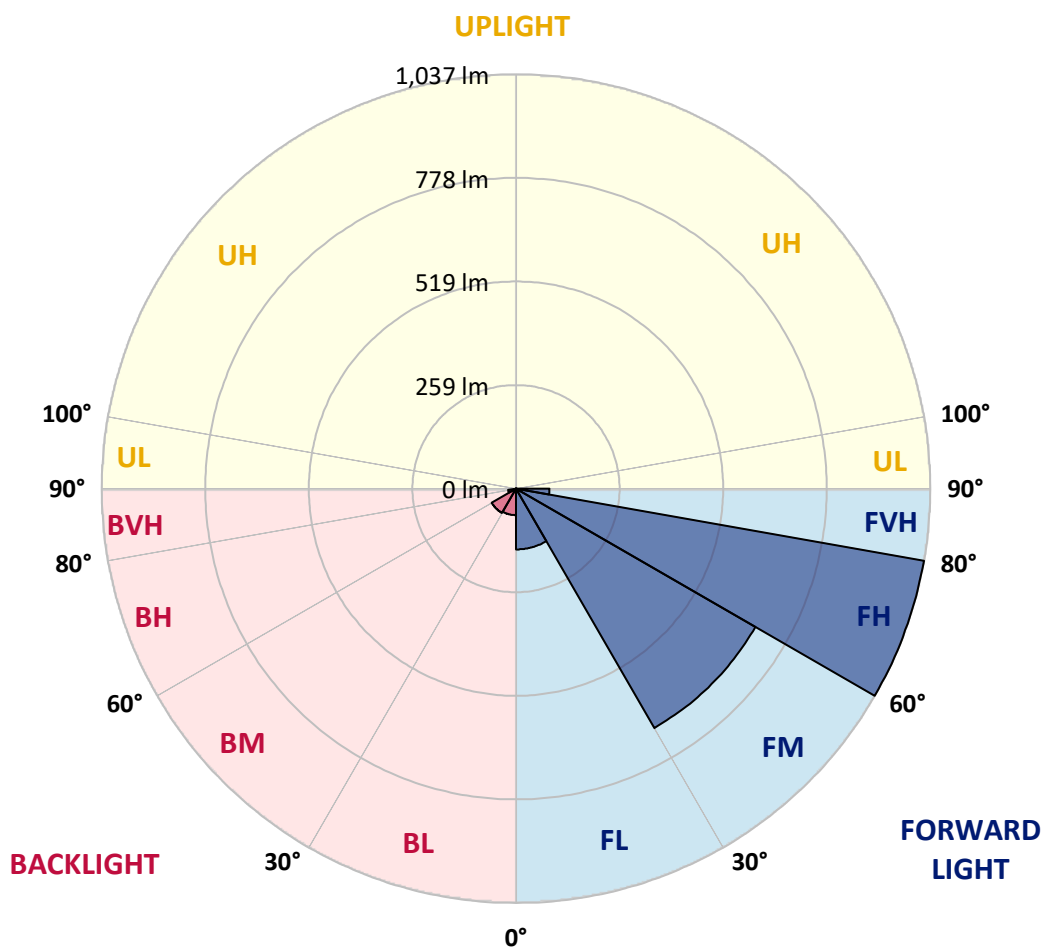


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.1	7.2			
FM (30°-60°)	692.0	32.6			
FH (60°-80°)	1037.1	48.9			G1/1800
FVH (80°-90°)	83.7	3.9			G1/100
BL (0°-30°)	66.5	3.1	B0/110		
BM (30°-60°)	70.2	3.3	B0/220		
BH (60°-80°)	20.2	1.0	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4
2.5°	362.8	358.9	361.5	355.1	356.4	360.2	358.9	358.9	360.2	360.2	360.2
5°	352.5	360.2	357.6	353.8	358.9	356.4	355.1	358.9	355.1	353.8	352.5
7.5°	352.5	351.2	352.5	347.4	351.2	351.2	353.8	353.8	349.9	349.9	347.4
10°	342.2	338.3	343.5	343.5	344.8	346.1	349.9	347.4	343.5	339.6	338.3
12.5°	328.1	335.8	340.9	346.1	349.9	346.1	346.1	351.2	347.4	343.5	338.3
15°	334.5	330.6	338.3	349.9	356.4	358.9	357.6	352.5	353.8	347.4	340.9
17.5°	339.6	335.8	338.3	348.6	356.4	360.2	364.1	366.7	353.8	351.2	339.6
20°	343.5	335.8	351.2	358.9	367.9	367.9	366.7	366.7	358.9	360.2	344.8
22.5°	352.5	349.9	352.5	369.2	375.7	375.7	374.4	374.4	361.5	358.9	351.2
25°	365.4	362.8	365.4	378.2	379.5	384.7	383.4	370.5	364.1	366.7	353.8
27.5°	379.5	374.4	376.9	387.2	384.7	383.4	385.9	378.2	369.2	378.2	367.9
30°	388.5	392.4	388.5	400.1	392.4	398.8	392.4	378.2	376.9	388.5	383.4
32.5°	413.0	409.1	407.8	407.8	401.4	401.4	398.8	391.1	389.8	409.1	398.8
35°	441.3	431.0	424.5	418.1	407.8	410.4	413.0	397.5	402.7	434.8	418.1
37.5°	463.1	460.6	450.3	436.1	425.8	428.4	429.7	420.7	431.0	472.1	445.1
40°	479.9	472.1	470.9	467.0	446.4	459.3	458.0	445.1	468.3	517.2	492.7
42.5°	490.2	491.4	497.9	487.6	485.0	491.4	491.4	486.3	509.5	581.5	545.5
45°	510.7	509.5	512.0	523.6	522.3	533.9	527.5	531.3	572.5	657.4	608.5
47.5°	530.0	533.9	532.6	546.8	559.6	581.5	586.6	581.5	636.8	741.0	669.0
50°	551.9	546.8	548.0	584.1	612.4	626.5	647.1	640.7	708.9	836.2	746.2
52.5°	584.1	581.5	562.2	630.4	651.0	683.1	697.3	707.6	786.0	939.1	818.2
55°	622.7	611.1	587.9	661.3	703.7	741.0	778.3	784.8	880.0	1027.9	865.8
57.5°	675.4	654.8	626.5	712.7	778.3	811.8	846.5	872.2	970.0	1094.8	913.4
60°	719.2	710.1	669.0	756.5	854.2	916.0	944.3	980.3	1067.8	1166.9	966.2
62.5°	761.6	750.0	734.6	833.6	961.0	1024.1	1045.9	1083.2	1168.1	1231.2	988.0
65°	792.5	786.0	773.2	898.0	1088.4	1137.3	1164.3	1228.6	1259.5	1253.0	932.7
67.5°	827.2	823.4	842.7	1002.2	1214.5	1295.5	1344.4	1354.7	1310.9	1193.9	783.5
70°	869.7	881.2	930.1	1110.2	1407.4	1512.9	1581.1	1483.3	1262.1	1042.1	542.9
72.5°	928.9	953.3	1026.6	1283.9	1664.7	1792.1	1785.7	1528.4	1110.2	742.3	253.4
75°	962.3	984.2	1102.5	1416.4	1937.5	2073.8	1924.6	1340.5	750.0	355.1	55.3
77.5°	822.1	882.5	1027.9	1449.9	1960.6	1915.6	1573.4	815.6	308.8	114.5	37.3
80°	456.7	494.0	603.4	926.3	1285.2	1112.8	807.9	320.3	122.2	70.8	36.0
82.5°	172.4	178.8	220.0	297.2	398.8	373.1	266.3	184.0	81.0	39.9	11.6
85°	117.1	122.2	136.4	138.9	141.5	137.7	140.2	164.7	60.5	16.7	6.4
87.5°	69.5	73.3	81.0	77.2	75.9	73.3	90.1	160.8	20.6	5.1	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4
2.5°	355.1	355.1	346.1	349.9	343.5	337.1	335.8	331.9	330.6	330.6	322.9
5°	351.2	348.6	335.8	329.3	319.1	311.3	301.0	293.3	292.0	286.9	281.7
7.5°	338.3	340.9	328.1	312.6	293.3	276.6	257.3	245.7	240.6	235.4	230.3
10°	334.5	330.6	321.6	295.9	267.6	240.6	220.0	198.1	185.3	178.8	177.5
12.5°	331.9	325.5	302.3	272.7	238.0	205.8	176.2	151.8	133.8	127.4	123.5
15°	330.6	326.8	286.9	249.6	211.0	171.1	140.2	113.2	93.9	87.5	84.9
17.5°	337.1	321.6	274.0	229.0	181.4	137.7	108.1	79.8	66.9	59.2	57.9
20°	331.9	319.1	262.4	205.8	149.2	104.2	78.5	59.2	48.9	46.3	45.0
22.5°	335.8	312.6	248.3	181.4	122.2	82.3	59.2	47.6	42.5	39.9	38.6
25°	338.3	307.5	231.6	154.4	97.8	65.6	47.6	39.9	36.0	34.7	33.4
27.5°	352.5	312.6	217.4	128.6	75.9	52.7	39.9	34.7	32.2	30.9	29.6
30°	349.9	312.6	199.4	106.8	60.5	41.2	34.7	29.6	28.3	25.7	25.7
32.5°	364.1	311.3	180.1	87.5	46.3	33.4	27.0	24.4	24.4	21.9	21.9
35°	375.7	306.2	157.0	66.9	32.2	23.2	18.0	16.7	15.4	14.2	14.2
37.5°	388.5	312.6	136.4	47.6	20.6	12.9	10.3	7.7	7.7	6.4	6.4
40°	418.1	319.1	114.5	33.4	11.6	6.4	1.3	1.3	1.3	0.0	0.0
42.5°	450.3	329.3	97.8	21.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
45°	494.0	343.5	82.3	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	535.2	366.7	70.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	586.6	380.8	63.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	636.8	397.5	55.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	671.6	414.3	46.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	705.0	424.5	38.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	726.9	414.3	24.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	715.3	380.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	648.4	299.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	487.6	159.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	249.6	32.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	61.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	21.9	16.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.9	18.0	6.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.0	14.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	9.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	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)