

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: P565342

Luminaire Tested: **IFLD-S-SA3A-AMB-U-SL4**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565342  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-AMB-U-SL4  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ SL4 distribution lens  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

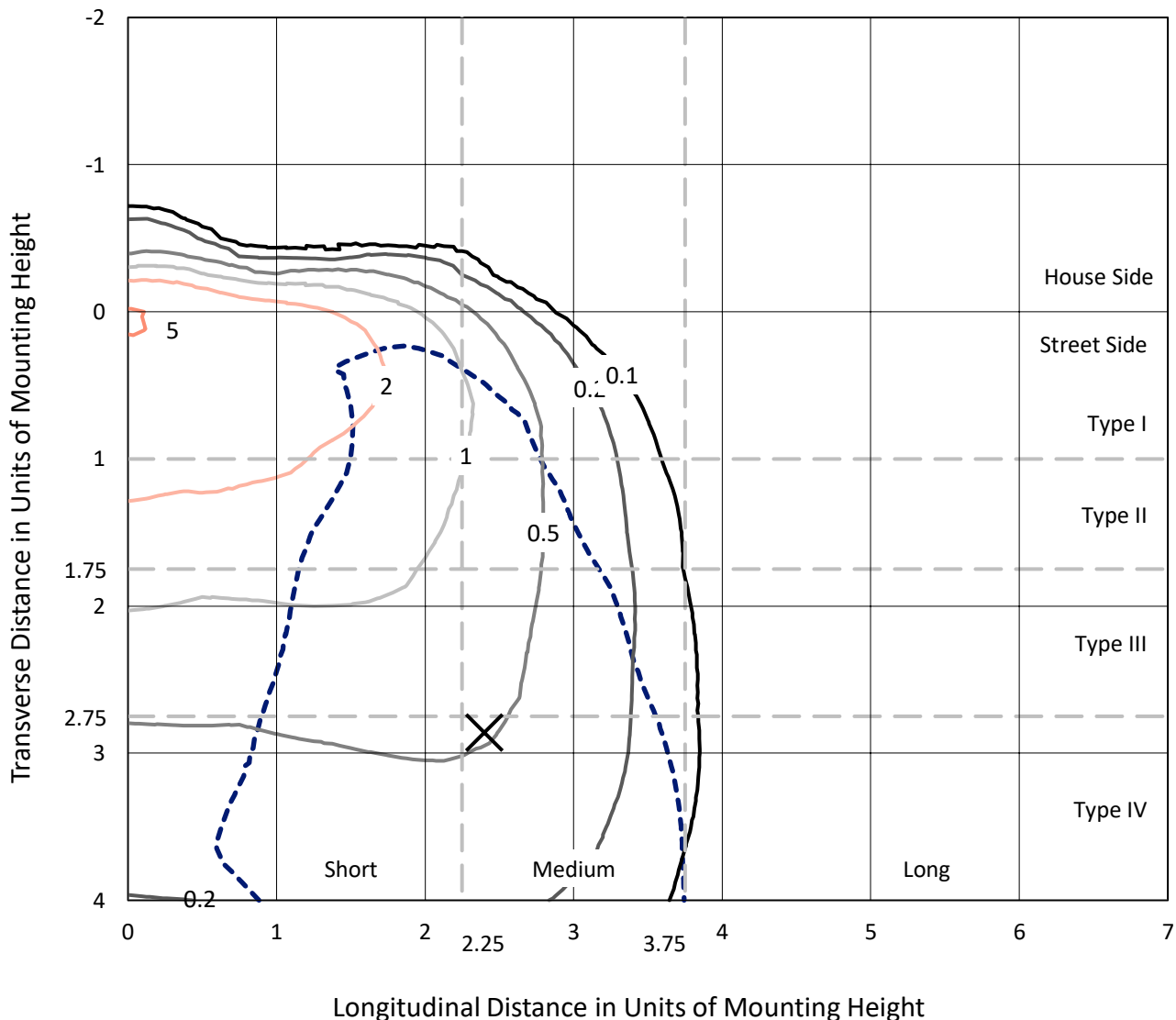
Lumens per Lamp: N/A  
Luminaire Lumens: 3163.5 lumens  
Efficiency: N/A  
Efficacy: 51.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B0 - U0 - G2

Input Watts (W): 61.2  
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

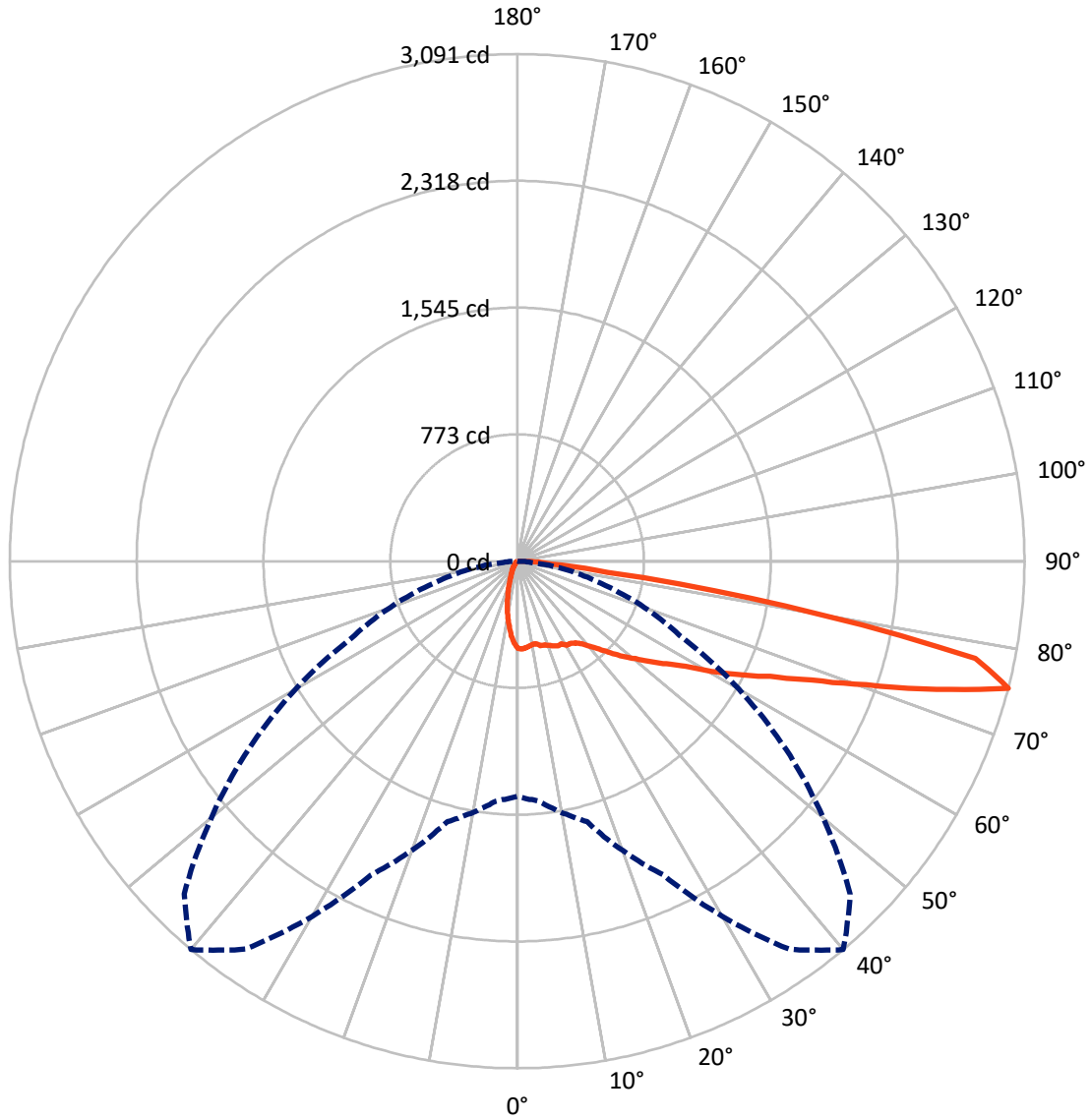
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 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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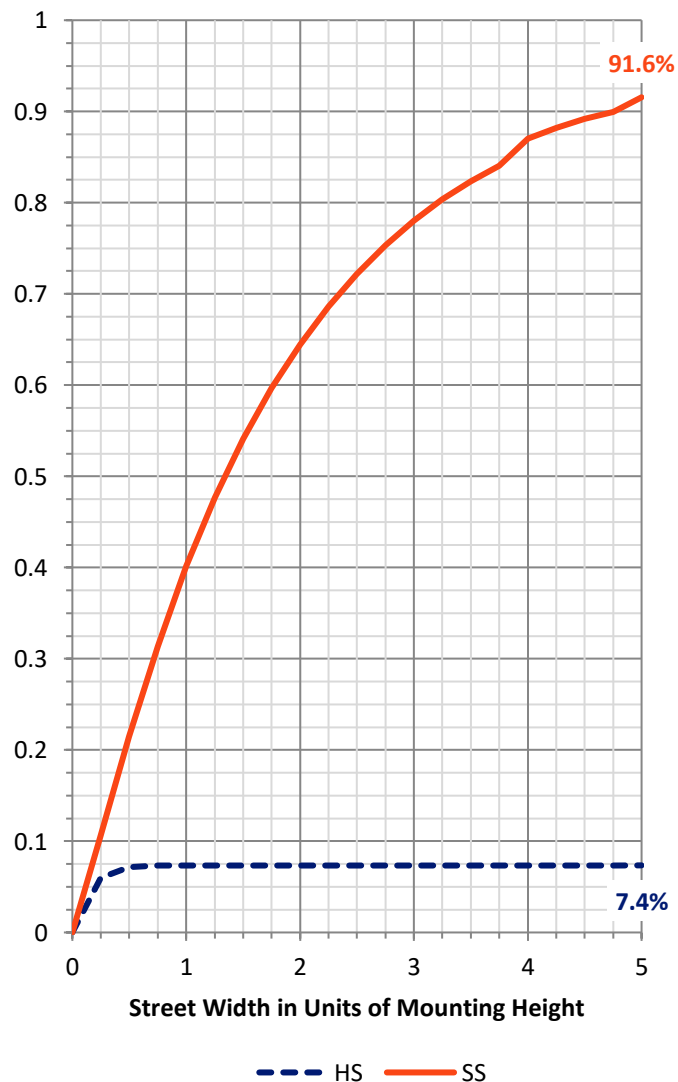
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	235.2	0.0	235.2
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	2928.2	0.0	2928.2
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	3163.5	0.0	3163.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.7	1.4
10°-20°	112.6	3.6
20°-30°	167.5	5.3
30°-40°	232.6	7.4
40°-50°	351.4	11.1
50°-60°	551.9	17.4
60°-70°	789.5	25.0
70°-80°	786.1	24.8
80°-90°	126.2	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°	3163.5	100.0
0°-180°	3163.5	100.0

**Coefficient of Utilization**

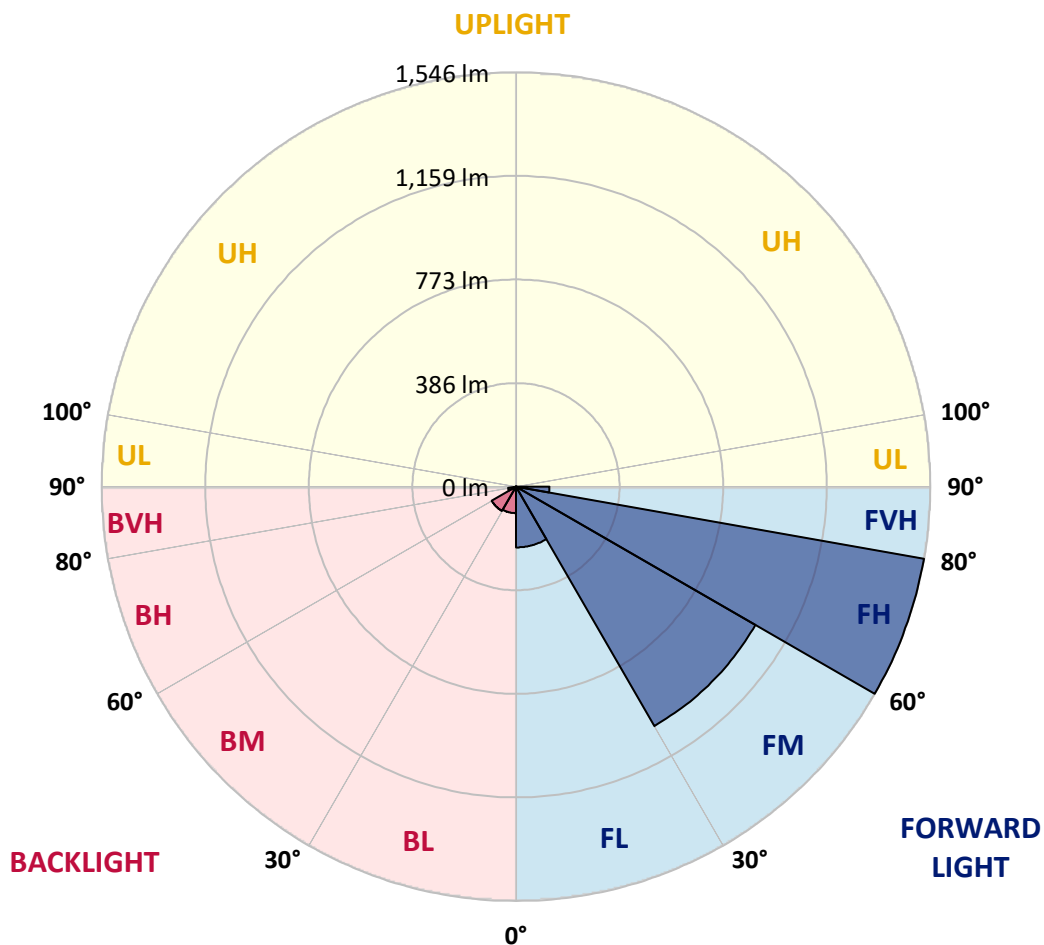


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.7	7.2			
FM (30°-60°)	1031.2	32.6			
FH (60°-80°)	1545.5	48.9			G1/1800
FVH (80°-90°)	124.8	3.9			G2/225
BL (0°-30°)	99.1	3.1	B0/110		
BM (30°-60°)	104.6	3.3	B0/220		
BH (60°-80°)	30.1	1.0	B0/110		G0/110
BVH (80°-90°)	1.4	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-G2**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	531.1	531.1	531.1	531.1	531.1	531.1	531.1	531.1	531.1	531.1	531.1
2.5°	540.7	534.9	538.7	529.2	531.1	536.8	534.9	534.9	536.8	536.8	536.8
5°	525.3	536.8	533.0	527.2	534.9	531.1	529.2	534.9	529.2	527.2	525.3
7.5°	525.3	523.4	525.3	517.7	523.4	523.4	527.2	527.2	521.5	521.5	517.7
10°	510.0	504.2	511.9	511.9	513.8	515.7	521.5	517.7	511.9	506.1	504.2
12.5°	488.9	500.4	508.1	515.7	521.5	515.7	515.7	523.4	517.7	511.9	504.2
15°	498.5	492.7	504.2	521.5	531.1	534.9	533.0	525.3	527.2	517.7	508.1
17.5°	506.1	500.4	504.2	519.6	531.1	536.8	542.6	546.4	527.2	523.4	506.1
20°	511.9	500.4	523.4	534.9	548.3	548.3	546.4	546.4	534.9	536.8	513.8
22.5°	525.3	521.5	525.3	550.2	559.8	559.8	557.9	557.9	538.7	534.9	523.4
25°	544.5	540.7	544.5	563.7	565.6	573.3	571.3	552.2	542.6	546.4	527.2
27.5°	565.6	557.9	561.7	577.1	573.3	571.3	575.2	563.7	550.2	563.7	548.3
30°	579.0	584.8	579.0	596.3	584.8	594.3	584.8	563.7	561.7	579.0	571.3
32.5°	615.4	609.7	607.8	607.8	598.2	598.2	594.3	582.8	580.9	609.7	594.3
35°	657.6	642.3	632.7	623.1	607.8	611.6	615.4	592.4	600.1	648.0	623.1
37.5°	690.2	686.4	671.0	649.9	634.6	638.4	640.4	626.9	642.3	703.6	663.4
40°	715.1	703.6	701.7	696.0	665.3	684.5	682.5	663.4	697.9	770.7	734.3
42.5°	730.5	732.4	742.0	726.6	722.8	732.4	732.4	724.7	759.2	866.6	812.9
45°	761.1	759.2	763.1	780.3	778.4	795.7	786.1	791.8	853.2	979.7	906.8
47.5°	789.9	795.7	793.7	814.8	834.0	866.6	874.3	866.6	949.0	1104.3	997.0
50°	822.5	814.8	816.7	870.4	912.6	933.7	964.4	954.8	1056.4	1246.2	1112.0
52.5°	870.4	866.6	837.8	939.4	970.1	1018.0	1039.1	1054.5	1171.4	1399.6	1219.4
55°	927.9	910.7	876.2	985.5	1048.7	1104.3	1159.9	1169.5	1311.4	1531.9	1290.3
57.5°	1006.5	975.9	933.7	1062.1	1159.9	1209.8	1261.5	1299.9	1445.6	1631.6	1361.2
60°	1071.7	1058.3	997.0	1127.3	1273.0	1365.1	1407.2	1460.9	1591.3	1738.9	1439.8
62.5°	1135.0	1117.7	1094.7	1242.4	1432.2	1526.1	1558.7	1614.3	1740.8	1834.8	1472.4
65°	1181.0	1171.4	1152.3	1338.2	1622.0	1694.8	1735.1	1831.0	1877.0	1867.4	1390.0
67.5°	1232.8	1227.0	1255.8	1493.5	1809.9	1930.7	2003.5	2018.8	1953.7	1779.2	1167.6
70°	1296.0	1313.3	1386.2	1654.6	2097.5	2254.7	2356.3	2210.6	1880.8	1553.0	809.1
72.5°	1384.2	1420.7	1529.9	1913.4	2480.9	2670.7	2661.1	2277.7	1654.6	1106.2	377.7
75°	1434.1	1466.7	1643.1	2110.9	2887.3	3090.6	2868.2	1997.8	1117.7	529.2	82.4
77.5°	1225.1	1315.2	1531.9	2160.7	2921.9	2854.8	2344.8	1215.5	460.1	170.6	55.6
80°	680.6	736.2	899.2	1380.4	1915.3	1658.4	1204.0	477.4	182.1	105.4	53.7
82.5°	256.9	266.5	327.8	442.9	594.3	556.0	396.9	274.2	120.8	59.4	17.3
85°	174.5	182.1	203.2	207.1	210.9	205.1	209.0	245.4	90.1	24.9	9.6
87.5°	103.5	109.3	120.8	115.0	113.1	109.3	134.2	239.7	30.7	7.7	1.9
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°	531.1	531.1	531.1	531.1	531.1	531.1	531.1	531.1	531.1	531.1	531.1
2.5°	529.2	529.2	515.7	521.5	511.9	502.3	500.4	494.6	492.7	492.7	481.2
5°	523.4	519.6	500.4	490.8	475.5	464.0	448.6	437.1	435.2	427.5	419.9
7.5°	504.2	508.1	488.9	465.9	437.1	412.2	383.4	366.2	358.5	350.9	343.2
10°	498.5	492.7	479.3	441.0	398.8	358.5	327.8	295.3	276.1	266.5	264.6
12.5°	494.6	485.1	450.5	406.5	354.7	306.8	262.7	226.2	199.4	189.8	184.1
15°	492.7	487.0	427.5	371.9	314.4	255.0	209.0	168.7	140.0	130.4	126.5
17.5°	502.3	479.3	408.4	341.3	270.3	205.1	161.0	118.9	99.7	88.2	86.3
20°	494.6	475.5	391.1	306.8	222.4	155.3	117.0	88.2	72.9	69.0	67.1
22.5°	500.4	465.9	370.0	270.3	182.1	122.7	88.2	70.9	63.3	59.4	57.5
25°	504.2	458.2	345.1	230.1	145.7	97.8	70.9	59.4	53.7	51.8	49.8
27.5°	525.3	465.9	324.0	191.7	113.1	78.6	59.4	51.8	47.9	46.0	44.1
30°	521.5	465.9	297.2	159.1	90.1	61.4	51.8	44.1	42.2	38.3	38.3
32.5°	542.6	464.0	268.4	130.4	69.0	49.8	40.3	36.4	36.4	32.6	32.6
35°	559.8	456.3	233.9	99.7	47.9	34.5	26.8	24.9	23.0	21.1	21.1
37.5°	579.0	465.9	203.2	70.9	30.7	19.2	15.3	11.5	11.5	9.6	9.6
40°	623.1	475.5	170.6	49.8	17.3	9.6	1.9	1.9	1.9	0.0	0.0
42.5°	671.0	490.8	145.7	32.6	5.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	736.2	511.9	122.7	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	797.6	546.4	105.4	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	874.3	567.5	93.9	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	949.0	592.4	82.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1000.8	617.3	69.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1050.6	632.7	57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1083.2	617.3	36.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1066.0	567.5	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	966.3	446.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	726.6	237.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	371.9	47.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	92.0	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°	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	32.6	24.9	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.2	26.8	9.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.4	21.1	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	13.4	3.8	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)