

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: P565331

Luminaire Tested: **IFLD-L-SA7A-AMB-U-SL2**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565331  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-AMB-U-SL2  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ SL2 distribution lens  
Light Source: (112) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

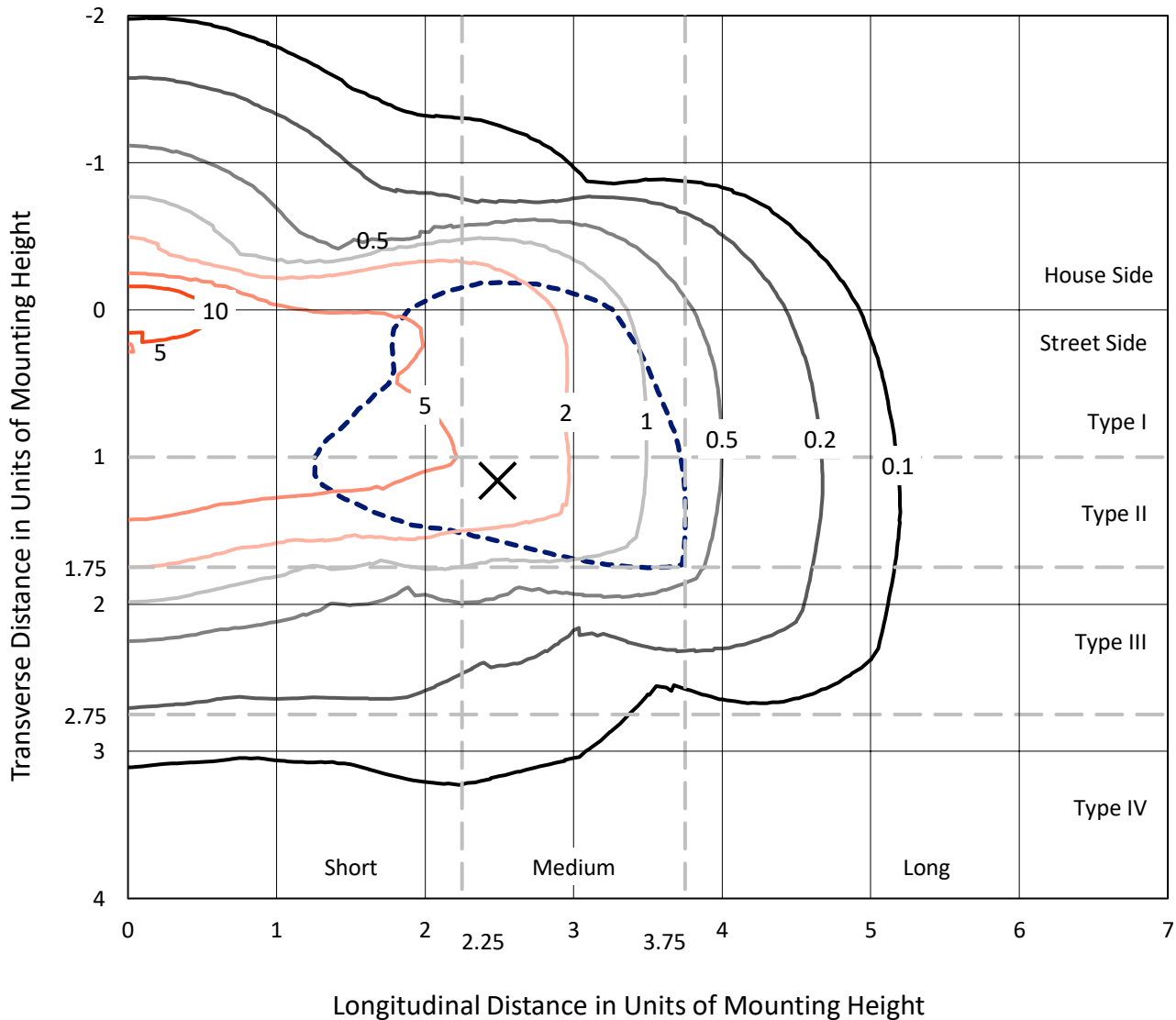
Lumens per Lamp: N/A  
Luminaire Lumens: 7415.8 lumens  
Efficiency: N/A  
Efficacy: 52.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 140.5  
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

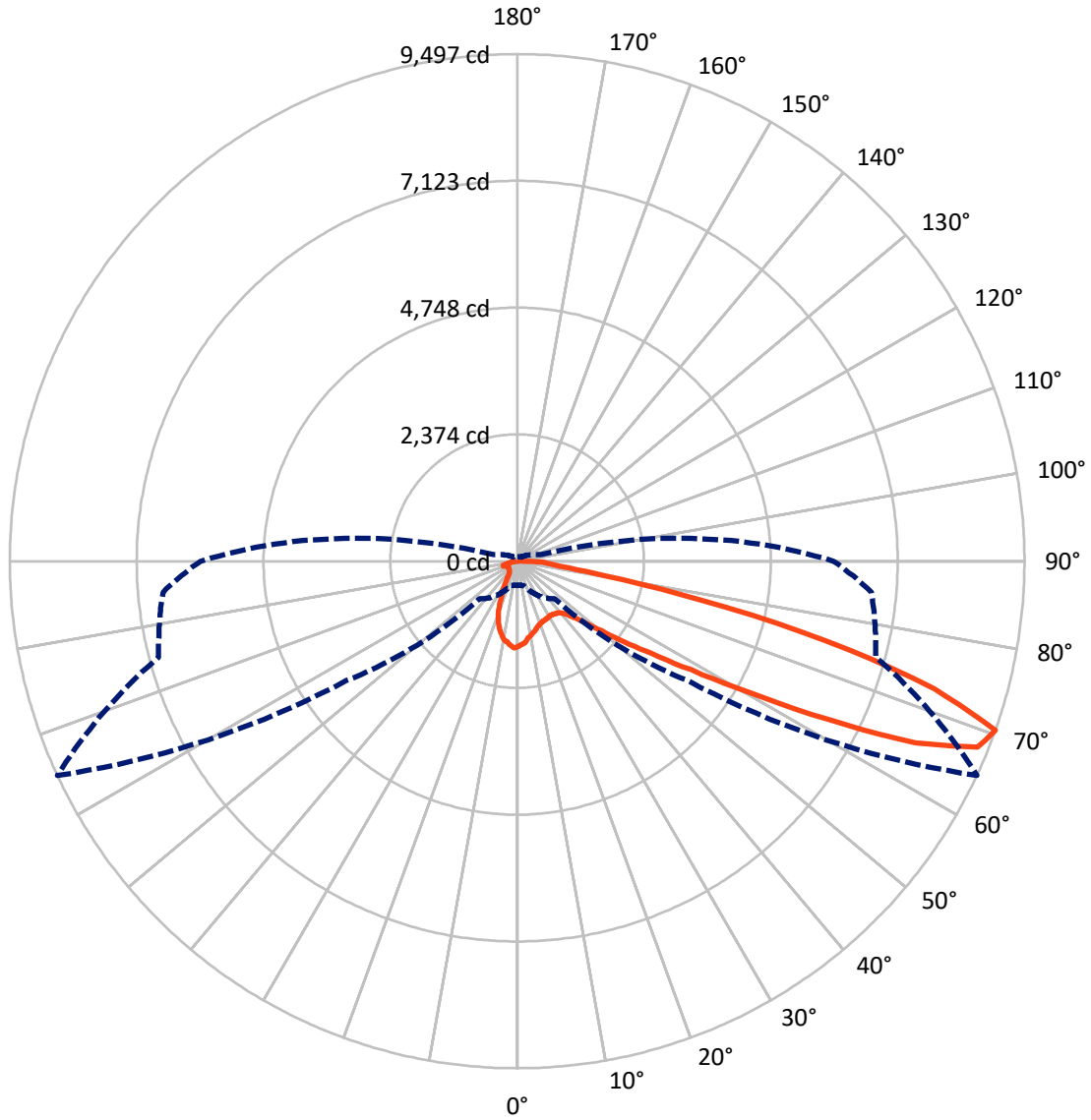
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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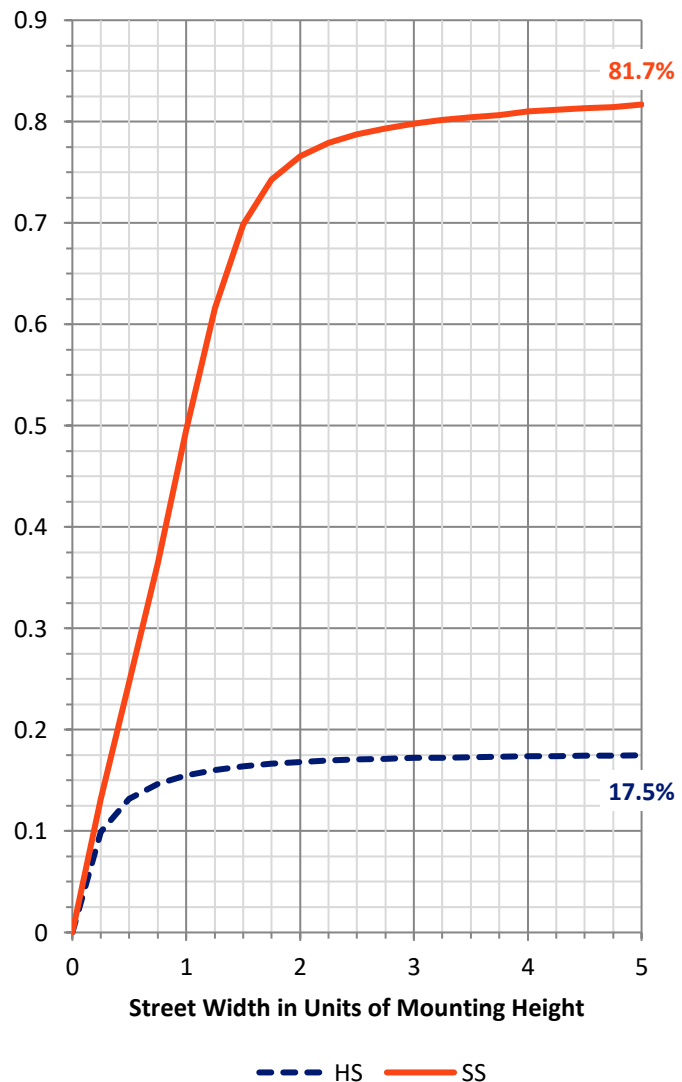
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1309.6	0.0	1309.6
	% Fixture	17.7	0.0	17.7
<b>Street Side</b>	Lumens	6106.2	0.0	6106.2
	% Fixture	82.3	0.0	82.3
<b>Total</b>	Lumens	7415.8	0.0	7415.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.4	1.8
10°-20°	305.6	4.1
20°-30°	409.1	5.5
30°-40°	567.0	7.6
40°-50°	908.8	12.3
50°-60°	1544.2	20.8
60°-70°	2088.0	28.2
70°-80°	1273.0	17.2
80°-90°	184.7	2.5
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°	7415.8	100.0
0°-180°	7415.8	100.0

**Coefficient of Utilization**

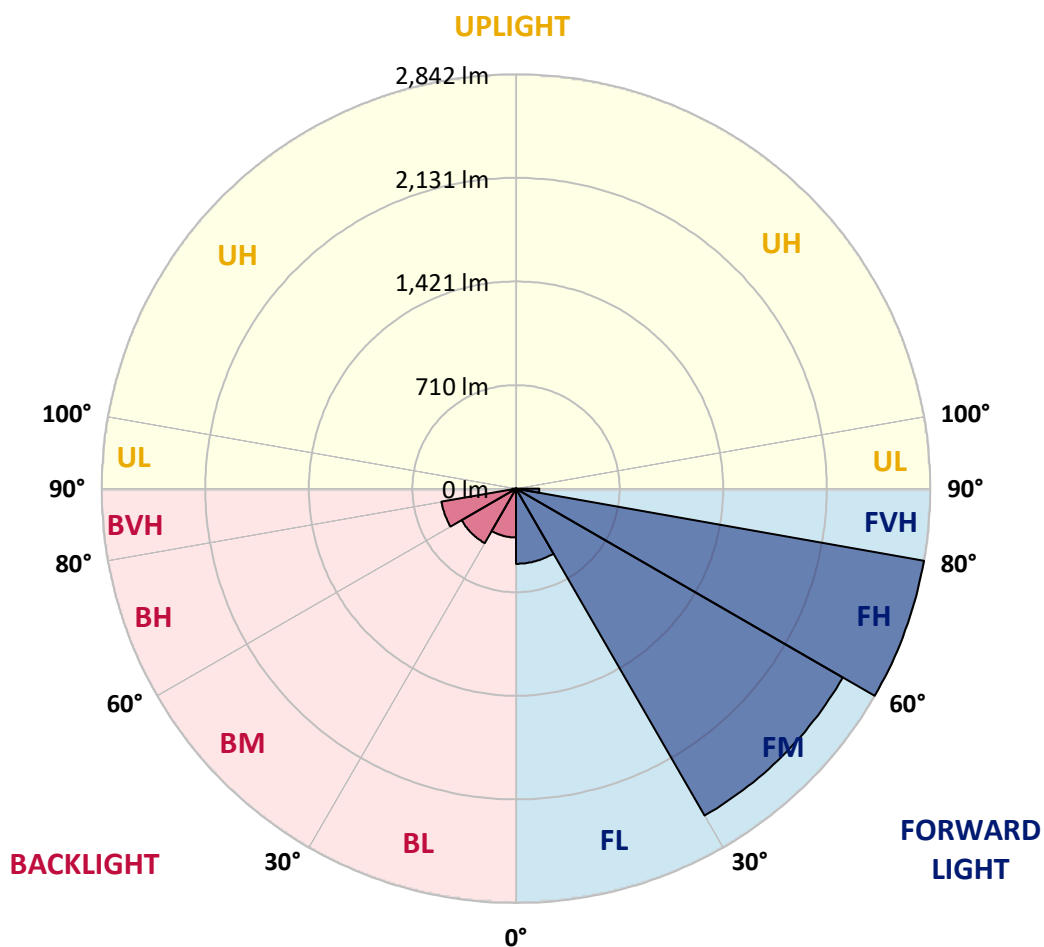


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	515.4	6.9			
FM (30°-60°)	2588.8	34.9			
FH (60°-80°)	2841.8	38.3			G2/5000
FVH (80°-90°)	160.2	2.2			G2/225
BL (0°-30°)	334.8	4.5	B1/500		
BM (30°-60°)	431.2	5.8	B1/1000		
BH (60°-80°)	519.2	7.0	B2/1000		G2/1000
BVH (80°-90°)	24.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1600.6	1600.6	1600.6	1600.6	1600.6	1600.6	1600.6	1600.6	1600.6	1600.6	1600.6
2.5°	1468.1	1475.5	1482.8	1486.5	1527.0	1538.0	1563.8	1563.8	1604.2	1607.9	1615.3
5°	1313.6	1343.0	1361.4	1365.1	1412.9	1435.0	1493.9	1534.3	1574.8	1604.2	1633.7
7.5°	1225.3	1225.3	1232.6	1251.0	1284.1	1328.3	1394.5	1457.1	1560.1	1619.0	1630.0
10°	1137.0	1144.3	1151.7	1162.7	1206.9	1232.6	1313.6	1409.2	1512.3	1626.3	1655.8
12.5°	1067.0	1059.7	1074.4	1103.8	1133.3	1170.1	1247.3	1368.8	1482.8	1619.0	1663.1
15°	7.4	1026.6	1033.9	1045.0	1081.8	1140.6	1210.5	1320.9	1468.1	1633.7	1674.2
17.5°	1011.9	997.1	1000.8	1011.9	1052.3	1107.5	1166.4	1273.1	1460.8	1659.4	1696.2
20°	1000.8	993.5	997.1	1000.8	1022.9	1070.7	1148.0	1251.0	1446.0	1648.4	1688.9
22.5°	1015.5	1026.6	1015.5	1011.9	1022.9	1045.0	1122.2	1225.3	1420.3	1655.8	1648.4
25°	1092.8	1089.1	1074.4	1052.3	1030.3	1033.9	1118.6	1217.9	1383.5	1648.4	1619.0
27.5°	1140.6	1162.7	1140.6	1114.9	1059.7	1045.0	1103.8	1206.9	1376.1	1644.7	1615.3
30°	1258.4	1247.3	1247.3	1192.1	1125.9	1070.7	1107.5	1195.8	1368.8	1615.3	1549.1
32.5°	1376.1	1372.4	1376.1	1335.6	1236.3	1129.6	1133.3	1195.8	1350.4	1611.6	1534.3
35°	1534.3	1519.6	1527.0	1504.9	1368.8	1221.6	1162.7	1214.2	1332.0	1604.2	1497.5
37.5°	1630.0	1659.4	1688.9	1699.9	1549.1	1354.0	1243.7	1232.6	1332.0	1593.2	1468.1
40°	1817.7	1802.9	1869.2	1894.9	1780.9	1527.0	1324.6	1276.8	1372.4	1611.6	1442.4
42.5°	1968.5	1990.6	2053.1	2082.6	2009.0	1725.7	1486.5	1357.7	1446.0	1670.5	1501.2
45°	2259.2	2277.6	2325.4	2358.5	2277.6	1964.8	1696.2	1527.0	1549.1	1788.2	1560.1
47.5°	2520.4	2583.0	2564.6	2656.6	2627.1	2281.3	1917.0	1736.7	1729.4	1975.9	1688.9
50°	2781.7	2755.9	2755.9	2884.7	3024.5	2697.1	2240.8	2049.5	2020.0	2207.7	1858.1
52.5°	2825.8	2825.8	2814.8	2950.9	3322.6	3289.4	2700.7	2502.0	2384.3	2549.9	2148.8
55°	2663.9	2686.0	2656.6	2844.2	3421.9	3878.2	3377.8	3046.6	2855.3	3061.3	2549.9
57.5°	2262.9	2215.0	2181.9	2461.6	3249.0	4308.7	4562.5	3834.0	3403.5	3683.2	3153.3
60°	1677.8	1677.8	1648.4	1850.8	2652.9	4338.1	5592.8	4967.3	4102.6	4448.5	3881.8
62.5°	1199.5	1192.1	1184.8	1313.6	1850.8	3808.3	6369.2	6531.1	4930.5	5375.7	4794.4
65°	835.2	831.6	820.5	934.6	1192.1	2726.5	6431.7	8197.9	5832.0	6218.3	5633.3
67.5°	625.5	614.5	632.9	783.7	897.8	1648.4	5574.4	9298.0	6722.4	6814.4	6115.3
70°	456.3	448.9	471.0	636.5	824.2	997.1	3900.2	9496.7	6946.8	6656.2	5927.6
72.5°	331.2	320.1	349.5	493.0	776.4	890.4	2152.5	8164.7	6376.5	5651.7	4982.0
75°	224.4	220.8	235.5	364.3	717.5	864.7	1103.8	6008.6	5007.8	3926.0	3193.8
77.5°	158.2	158.2	158.2	224.4	563.0	853.6	872.0	3484.5	2976.7	2215.0	1736.7
80°	117.7	117.7	121.4	150.9	379.0	864.7	820.5	1648.4	1280.5	746.9	585.0
82.5°	69.9	77.3	88.3	106.7	195.0	783.7	802.1	794.8	356.9	228.1	213.4
85°	36.8	36.8	51.5	73.6	114.1	563.0	772.7	596.1	191.3	128.8	121.4
87.5°	11.0	11.0	18.4	29.4	44.2	250.2	592.4	474.7	110.4	66.2	73.6
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1600.6	1600.6	1600.6	1600.6	1600.6	1600.6	1600.6	1600.6	1600.6	1600.6
2.5°	1626.3	1615.3	1626.3	1604.2	1574.8	1545.4	1556.4	1549.1	1541.7	1538.0
5°	1626.3	1630.0	1585.9	1556.4	1519.6	1460.8	1438.7	1416.6	1401.9	1416.6
7.5°	1637.4	1596.9	1523.3	1471.8	1394.5	1324.6	1276.8	1228.9	1192.1	1188.5
10°	1637.4	1567.5	1493.9	1368.8	1265.7	1118.6	1019.2	953.0	901.5	919.9
12.5°	1644.7	1560.1	1405.6	1232.6	1074.4	894.1	754.3	669.7	629.2	632.9
15°	1626.3	1512.3	1309.9	1100.2	846.3	647.6	544.6	493.0	467.3	482.0
17.5°	1626.3	1468.1	1195.8	890.4	632.9	471.0	412.1	404.7	401.1	401.1
20°	1622.6	1365.1	1063.4	688.1	437.9	356.9	334.8	345.9	353.2	356.9
22.5°	1552.7	1291.5	875.7	493.0	327.5	294.4	294.4	305.4	320.1	327.5
25°	1501.2	1170.1	688.1	345.9	276.0	264.9	268.6	276.0	290.7	290.7
27.5°	1453.4	1070.7	522.5	279.6	250.2	250.2	253.9	261.2	272.3	268.6
30°	1409.2	934.6	390.0	246.5	239.2	235.5	239.2	242.8	246.5	250.2
32.5°	1365.1	816.8	298.0	235.5	231.8	228.1	228.1	224.4	228.1	224.4
35°	1291.5	695.4	250.2	224.4	220.8	217.1	213.4	209.7	209.7	209.7
37.5°	1254.7	585.0	235.5	217.1	213.4	209.7	202.4	202.4	202.4	198.7
40°	1217.9	482.0	228.1	209.7	206.1	198.7	191.3	195.0	195.0	195.0
42.5°	1214.2	401.1	220.8	206.1	198.7	187.7	184.0	187.7	187.7	184.0
45°	1217.9	338.5	217.1	198.7	191.3	184.0	180.3	180.3	180.3	180.3
47.5°	1284.1	298.0	209.7	195.0	187.7	180.3	172.9	169.3	169.3	172.9
50°	1350.4	290.7	206.1	195.0	187.7	172.9	169.3	161.9	161.9	158.2
52.5°	1490.2	287.0	202.4	191.3	180.3	165.6	158.2	150.9	147.2	150.9
55°	1692.6	290.7	198.7	184.0	172.9	158.2	150.9	143.5	139.8	139.8
57.5°	2152.5	294.4	195.0	180.3	165.6	147.2	139.8	132.5	132.5	128.8
60°	2755.9	316.4	191.3	169.3	154.5	139.8	132.5	125.1	121.4	121.4
62.5°	3521.3	316.4	198.7	165.6	143.5	128.8	121.4	117.7	114.1	110.4
65°	4179.9	364.3	217.1	158.2	128.8	117.7	110.4	106.7	103.0	103.0
67.5°	4555.2	401.1	246.5	161.9	121.4	106.7	103.0	95.7	95.7	95.7
70°	4205.6	456.3	279.6	172.9	110.4	99.3	92.0	88.3	84.6	84.6
72.5°	3436.6	393.7	276.0	165.6	99.3	88.3	84.6	77.3	73.6	73.6
75°	2215.0	327.5	235.5	139.8	92.0	77.3	73.6	66.2	62.6	62.6
77.5°	1170.1	228.1	165.6	110.4	77.3	69.9	62.6	55.2	51.5	51.5
80°	426.8	139.8	114.1	77.3	62.6	55.2	47.8	40.5	36.8	40.5
82.5°	176.6	88.3	69.9	51.5	44.2	40.5	33.1	29.4	25.8	25.8
85°	103.0	62.6	44.2	33.1	25.8	25.8	18.4	14.7	11.0	11.0
87.5°	58.9	40.5	18.4	36.8	14.7	7.4	3.7	3.7	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

(END OF REPORT)