

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: P565337

Luminaire Tested: **IFLD-S-SA6A-AMB-U-SL3**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565337  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-AMB-U-SL3  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ SL3 distribution lens  
Light Source: (96) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

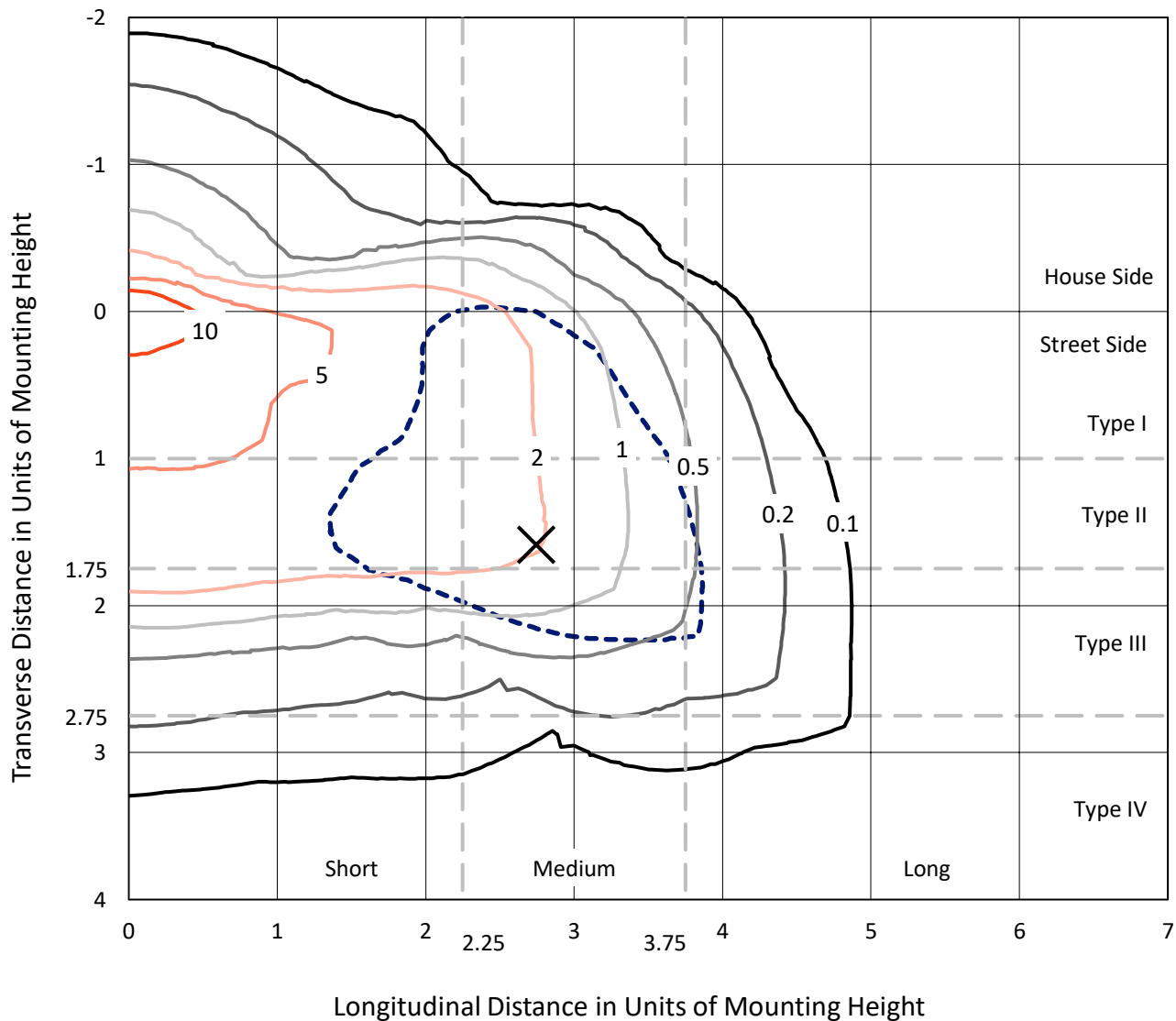
Lumens per Lamp: N/A  
Luminaire Lumens: 6329.6 lumens  
Efficiency: N/A  
Efficacy: 51.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 122.4  
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

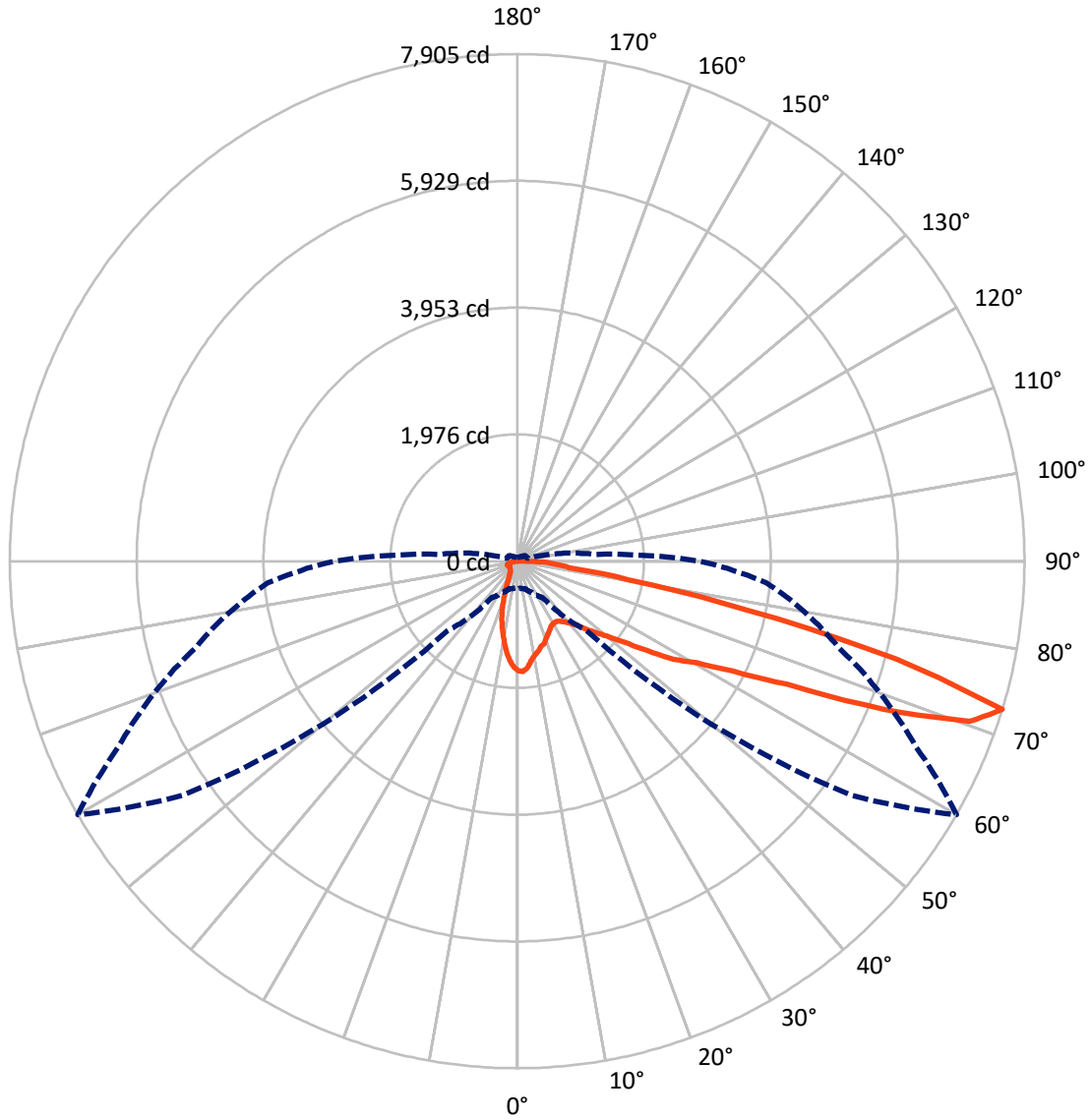
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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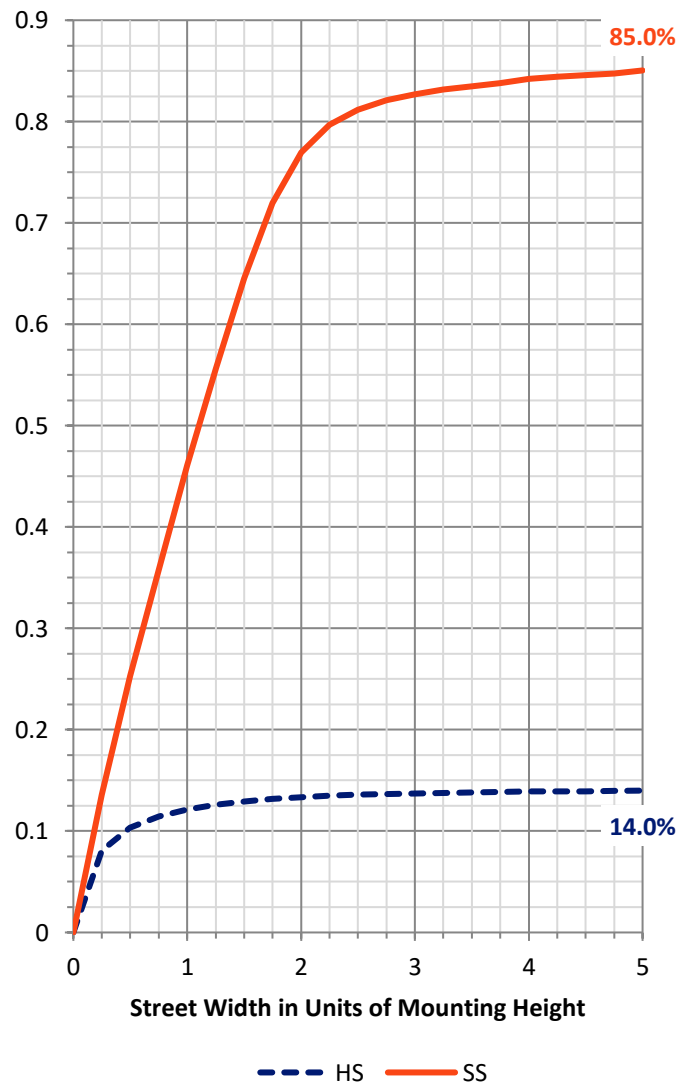
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	894.3	0.0	894.3
	% Fixture	14.1	0.0	14.1
<b>Street Side</b>	Lumens	5435.3	0.0	5435.3
	% Fixture	85.9	0.0	85.9
<b>Total</b>	Lumens	6329.6	0.0	6329.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.3	2.2
10°-20°	293.0	4.6
20°-30°	368.2	5.8
30°-40°	481.2	7.6
40°-50°	719.5	11.4
50°-60°	1194.8	18.9
60°-70°	1811.7	28.6
70°-80°	1166.3	18.4
80°-90°	154.7	2.4
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°	6329.6	100.0
0°-180°	6329.6	100.0

**Coefficient of Utilization**

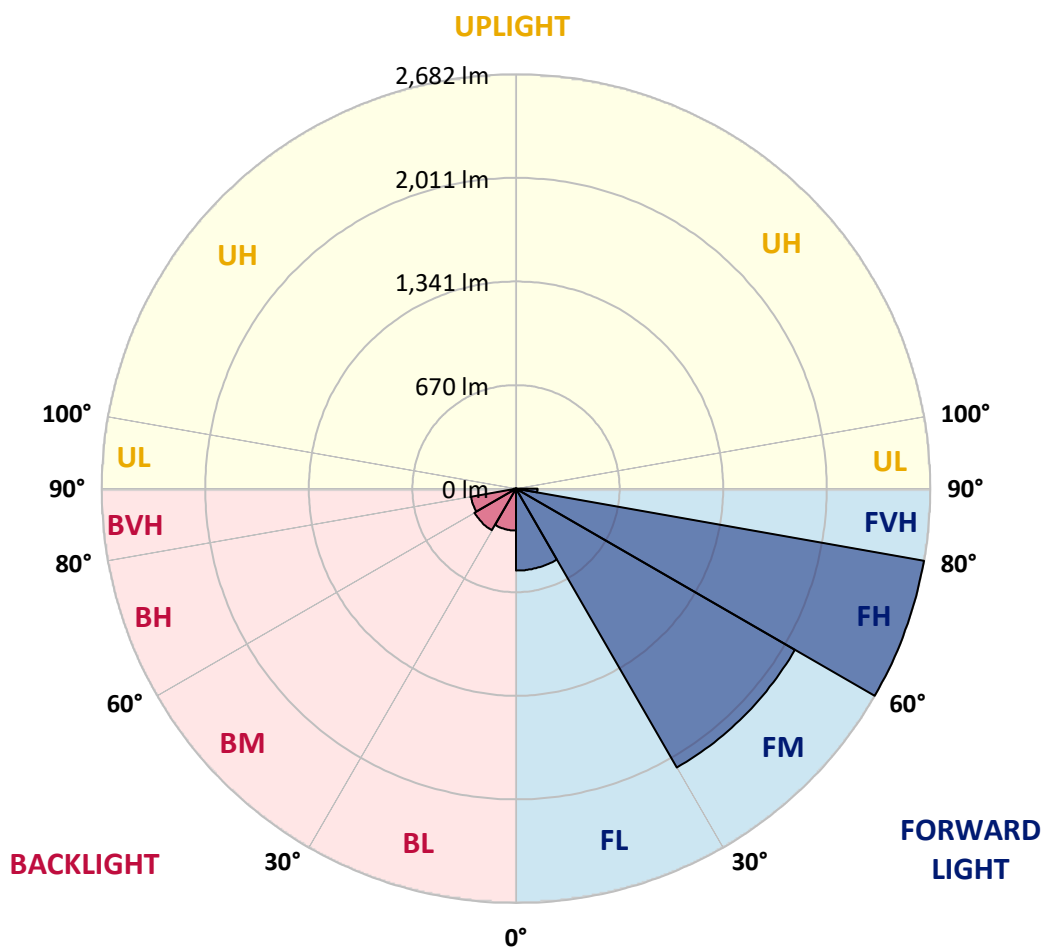


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	530.3	8.4			
FM (30°-60°)	2084.5	32.9			
FH (60°-80°)	2681.9	42.4			G2/5000
FVH (80°-90°)	138.6	2.2			G2/225
BL (0°-30°)	271.2	4.3	B1/500		
BM (30°-60°)	311.0	4.9	B1/1000		
BH (60°-80°)	296.1	4.7	B1/500		G1/500
BVH (80°-90°)	16.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1706.4	1706.4	1706.4	1706.4	1706.4	1706.4	1706.4	1706.4	1706.4	1706.4	1706.4
2.5°	1664.6	1680.6	1683.9	1699.9	1693.5	1696.7	1719.2	1722.4	1703.1	1719.2	1703.1
5°	1587.5	1597.1	1584.2	1600.3	1622.8	1619.6	1661.4	1667.8	1658.2	1683.9	1680.6
7.5°	1487.8	1475.0	1487.8	1500.7	1520.0	1555.3	1561.7	1568.2	1600.3	1632.4	1619.6
10°	1311.1	1340.0	1343.2	1388.2	1420.4	1455.7	1481.4	1491.1	1523.2	1587.5	1590.7
12.5°	1250.0	1230.8	1259.7	1275.7	1314.3	1372.2	1407.5	1446.1	1468.6	1526.4	1529.6
15°	1150.4	1153.6	1160.1	1201.8	1234.0	1298.2	1365.7	1381.8	1439.6	1503.9	1523.2
17.5°	1076.5	1079.7	1102.2	1108.6	1166.5	1224.3	1311.1	1356.1	1391.4	1478.2	1484.6
20°	1038.0	1050.8	1057.2	1054.0	1079.7	1153.6	1250.0	1288.6	1333.6	1452.5	1471.8
22.5°	1038.0	1038.0	1050.8	1038.0	1050.8	1086.2	1182.6	1230.8	1307.9	1439.6	1426.8
25°	1044.4	1050.8	1034.7	1034.7	1038.0	1060.4	1118.3	1185.8	1275.7	1446.1	1407.5
27.5°	1079.7	1070.1	1063.7	1047.6	1028.3	1034.7	1079.7	1134.4	1221.1	1455.7	1372.2
30°	1115.1	1105.4	1086.2	1076.5	1041.2	1038.0	1066.9	1124.7	1201.8	1465.3	1362.5
32.5°	1144.0	1156.9	1150.4	1140.8	1095.8	1044.4	1073.3	1121.5	1208.3	1500.7	1349.7
35°	1201.8	1198.6	1224.3	1198.6	1169.7	1099.0	1111.9	1150.4	1214.7	1536.0	1385.0
37.5°	1301.5	1285.4	1295.0	1282.2	1240.4	1172.9	1179.3	1201.8	1262.9	1600.3	1413.9
40°	1375.4	1368.9	1365.7	1397.9	1343.2	1262.9	1253.3	1272.5	1314.3	1664.6	1458.9
42.5°	1430.0	1439.6	1452.5	1468.6	1452.5	1381.8	1356.1	1368.9	1413.9	1761.0	1555.3
45°	1520.0	1500.7	1548.9	1613.2	1597.1	1529.6	1487.8	1510.3	1552.1	1876.7	1690.3
47.5°	1581.0	1581.0	1651.7	1703.1	1744.9	1703.1	1645.3	1667.8	1671.0	2014.8	1870.2
50°	1648.5	1651.7	1764.2	1841.3	1915.2	1924.9	1841.3	1854.2	1876.7	2198.0	2108.0
52.5°	1831.7	1841.3	1905.6	2008.4	2092.0	2169.1	2146.6	2092.0	2072.7	2387.6	2320.1
55°	2117.7	2085.5	2146.6	2201.2	2294.4	2416.5	2580.4	2464.7	2378.0	2590.1	2545.1
57.5°	2284.8	2320.1	2413.3	2484.0	2602.9	2712.2	2933.9	2888.9	2763.6	2834.3	2863.2
60°	2329.8	2371.5	2532.2	2689.7	2982.1	3165.3	3329.2	3216.7	3030.3	3094.6	3216.7
62.5°	1966.6	2030.9	2278.4	2654.3	3236.0	3849.7	4013.6	3772.6	3480.2	3496.3	3679.4
65°	1307.9	1368.9	1558.5	2027.7	2995.0	4463.5	5064.4	4624.2	4200.0	4145.4	4302.8
67.5°	739.1	735.9	787.3	1134.4	2063.0	4386.4	6488.0	6160.2	5263.7	4797.7	4759.2
70°	559.1	559.1	559.1	668.4	967.3	3165.3	7233.5	7481.0	6337.0	5366.5	4878.1
72.5°	437.0	424.2	440.2	539.9	694.1	1529.6	6362.7	7905.1	6857.5	5180.1	3901.2
75°	314.9	314.9	337.4	440.2	642.7	752.0	4331.8	6099.2	5636.4	3917.2	2275.1
77.5°	228.2	224.9	257.1	353.5	591.3	671.6	2172.3	3663.4	3174.9	1870.2	594.5
80°	144.6	147.8	173.5	260.3	530.2	645.9	980.1	1754.6	1182.6	453.1	215.3
82.5°	86.8	90.0	115.7	167.1	401.7	600.9	780.9	813.0	475.6	218.5	125.3
85°	48.2	48.2	70.7	102.8	237.8	594.5	703.8	629.8	337.4	135.0	64.3
87.5°	16.1	16.1	28.9	41.8	102.8	321.3	453.1	414.5	202.4	64.3	22.5
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°	1706.4	1706.4	1706.4	1706.4	1706.4	1706.4	1706.4	1706.4	1706.4	1706.4	1706.4
2.5°	1693.5	1699.9	1671.0	1645.3	1642.1	1603.5	1606.7	1593.9	1571.4	1558.5	1532.8
5°	1664.6	1645.3	1603.5	1558.5	1516.8	1471.8	1433.2	1407.5	1388.2	1372.2	1375.4
7.5°	1590.7	1571.4	1513.5	1439.6	1375.4	1307.9	1243.6	1172.9	1137.6	1115.1	1095.8
10°	1542.5	1500.7	1426.8	1295.0	1198.6	1092.6	993.0	903.0	803.4	761.6	755.2
12.5°	1513.5	1455.7	1330.4	1163.3	1025.1	880.5	726.2	597.7	510.9	462.7	453.1
15°	1471.8	1413.9	1214.7	1054.0	858.0	668.4	494.9	395.3	350.3	337.4	340.6
17.5°	1420.4	1343.2	1131.1	919.1	665.2	462.7	359.9	327.8	302.1	292.4	292.4
20°	1388.2	1259.7	1009.0	752.0	485.2	347.1	298.9	279.6	269.9	266.7	269.9
22.5°	1343.2	1192.2	903.0	581.6	347.1	286.0	260.3	250.7	250.7	250.7	250.7
25°	1288.6	1134.4	774.4	417.8	276.4	241.0	234.6	231.4	231.4	237.8	237.8
27.5°	1256.5	1060.4	639.5	308.5	234.6	212.1	208.9	212.1	221.7	224.9	224.9
30°	1201.8	993.0	510.9	257.1	205.7	196.0	196.0	196.0	202.4	205.7	205.7
32.5°	1169.7	951.2	388.8	218.5	186.4	183.2	183.2	183.2	186.4	189.6	189.6
35°	1169.7	909.4	302.1	199.2	176.7	170.3	170.3	170.3	173.5	173.5	173.5
37.5°	1192.2	877.3	250.7	183.2	167.1	163.9	163.9	163.9	160.7	160.7	163.9
40°	1211.5	848.4	228.2	173.5	163.9	157.5	157.5	154.2	154.2	154.2	157.5
42.5°	1266.1	848.4	208.9	167.1	160.7	151.0	151.0	147.8	147.8	151.0	151.0
45°	1375.4	845.1	196.0	163.9	154.2	147.8	141.4	141.4	144.6	147.8	147.8
47.5°	1523.2	851.6	189.6	160.7	147.8	141.4	135.0	135.0	138.2	147.8	147.8
50°	1671.0	893.3	186.4	154.2	144.6	135.0	131.8	131.8	138.2	144.6	144.6
52.5°	1883.1	976.9	189.6	154.2	144.6	131.8	128.5	128.5	131.8	138.2	138.2
55°	2085.5	1102.2	196.0	154.2	141.4	131.8	125.3	122.1	125.3	128.5	131.8
57.5°	2374.8	1288.6	199.2	151.0	138.2	131.8	122.1	115.7	118.9	122.1	122.1
60°	2737.9	1568.2	215.3	154.2	138.2	125.3	115.7	106.0	109.3	109.3	106.0
62.5°	3239.2	2027.7	241.0	160.7	138.2	118.9	106.0	99.6	96.4	96.4	96.4
65°	3779.0	2361.9	250.7	170.3	147.8	115.7	96.4	86.8	86.8	86.8	86.8
67.5°	4145.4	2506.5	228.2	173.5	163.9	112.5	90.0	80.3	77.1	73.9	73.9
70°	3856.2	2072.7	199.2	163.9	167.1	109.3	83.6	73.9	67.5	67.5	64.3
72.5°	2856.8	1214.7	173.5	154.2	151.0	102.8	80.3	70.7	64.3	57.8	57.8
75°	1388.2	449.9	154.2	138.2	125.3	86.8	73.9	64.3	57.8	51.4	51.4
77.5°	353.5	196.0	118.9	115.7	96.4	70.7	64.3	57.8	51.4	45.0	41.8
80°	180.0	138.2	90.0	86.8	67.5	57.8	51.4	45.0	38.6	35.3	35.3
82.5°	112.5	90.0	70.7	61.1	45.0	41.8	38.6	32.1	28.9	22.5	22.5
85°	57.8	51.4	45.0	35.3	25.7	22.5	19.3	16.1	16.1	9.6	9.6
87.5°	25.7	22.5	19.3	12.9	6.4	6.4	3.2	3.2	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)