

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: P510886

Luminaire Tested: **USSL-P-C014-D-U-T2-7030**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510886  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-P-C014-D-U-T2-7030  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 600mA LED AND TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4689 lumens  
Efficiency: N/A  
Efficacy: 135.5 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

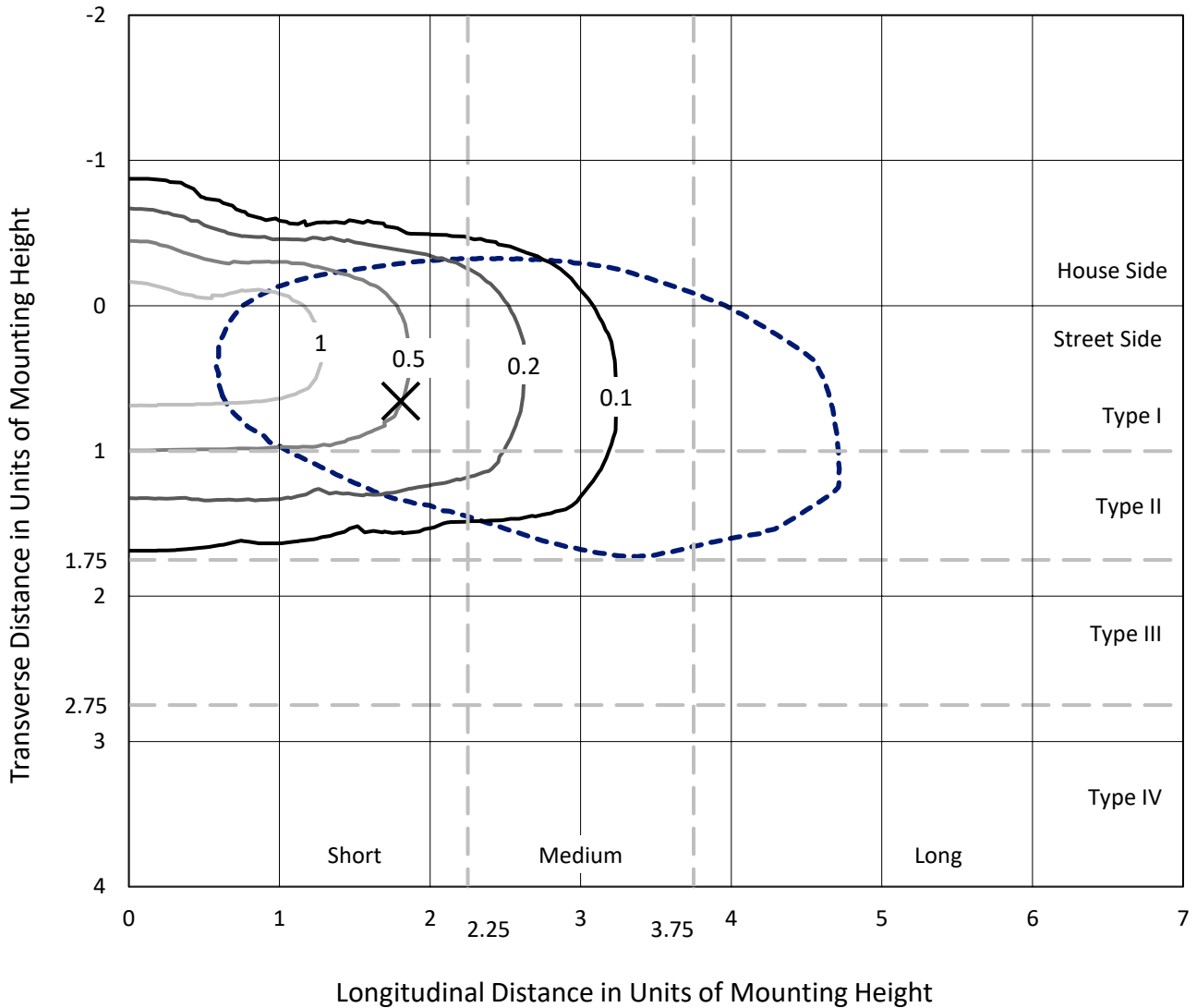
Input Watts (W): 34.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

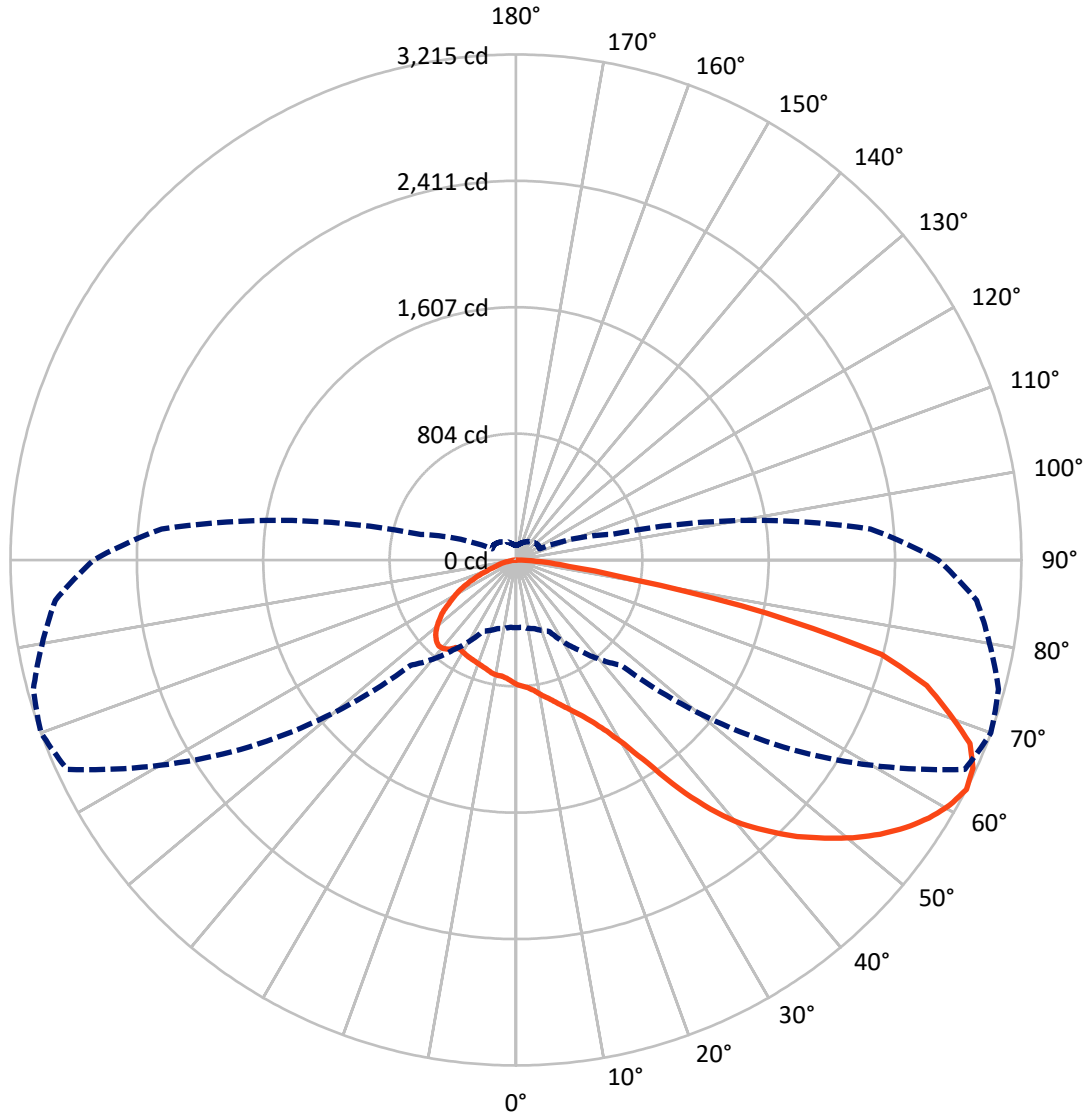
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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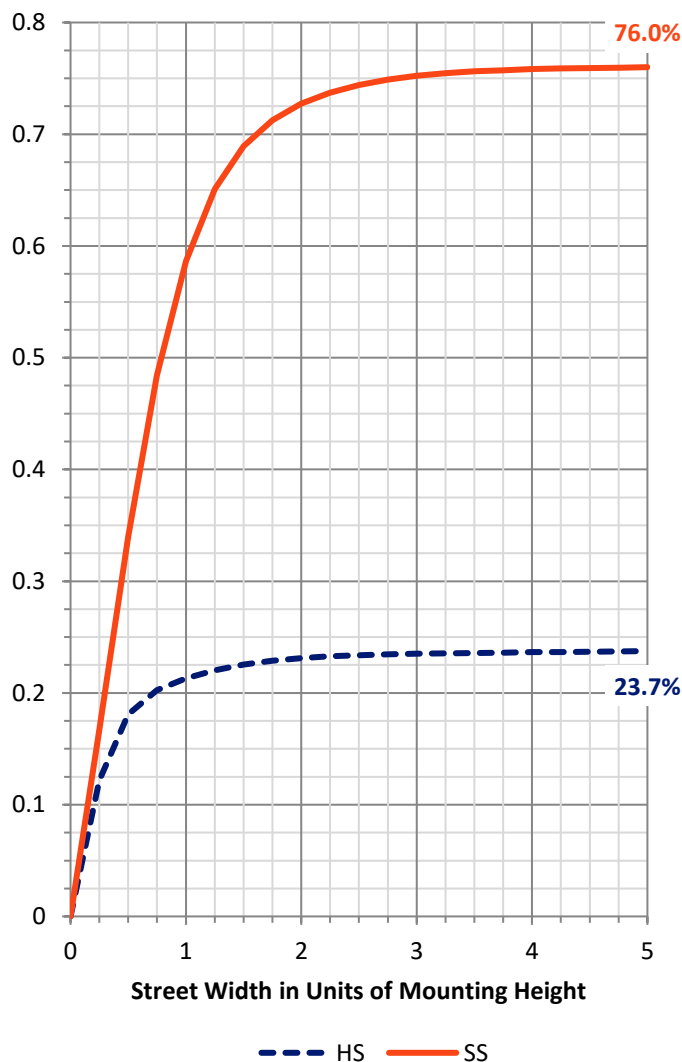
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1126.6	0.0	1126.6
	% Fixture	24.0	0.0	24.0
<b>Street Side</b>	Lumens	3562.4	0.0	3562.4
	% Fixture	76.0	0.0	76.0
<b>Total</b>	Lumens	4689.0	0.0	4689.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.9	1.6
10°-20°	232.9	5.0
20°-30°	396.0	8.4
30°-40°	598.7	12.8
40°-50°	826.3	17.6
50°-60°	964.8	20.6
60°-70°	947.5	20.2
70°-80°	568.9	12.1
80°-90°	77.9	1.7
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°	4689.0	100.0
0°-180°	4689.0	100.0

**Coefficient of Utilization**

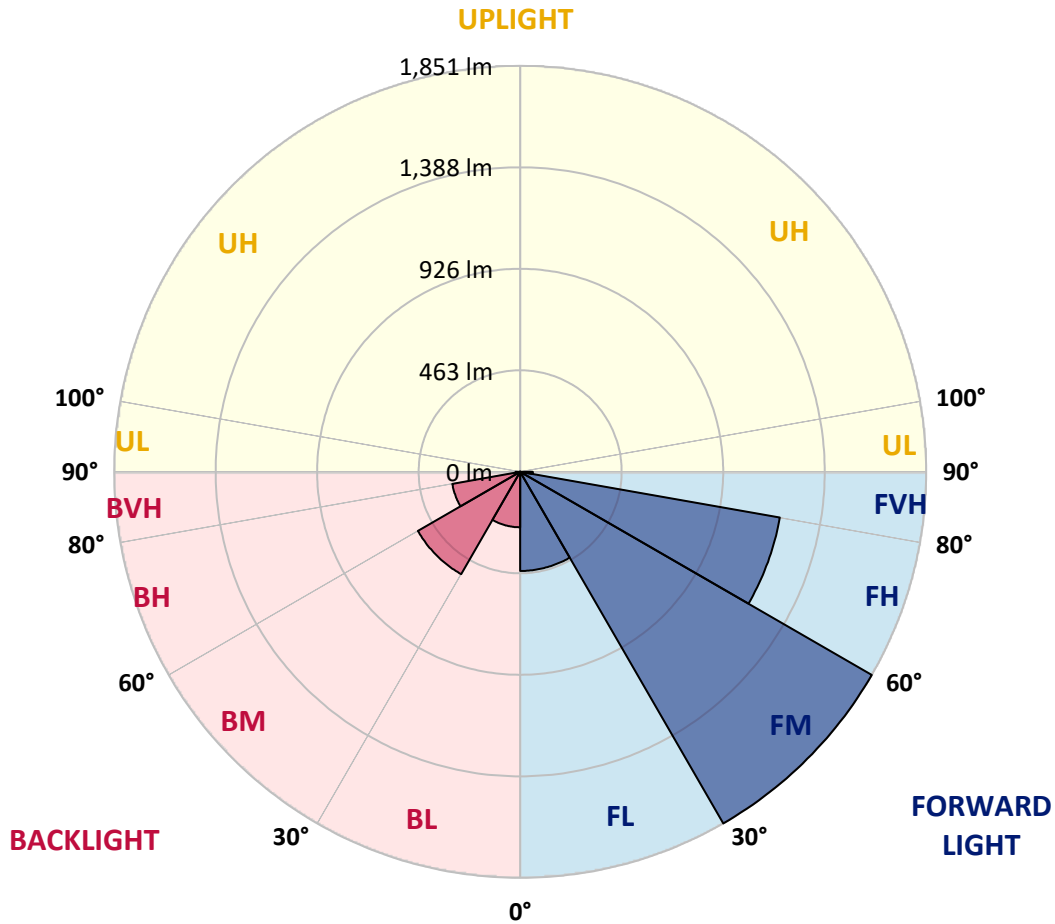


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.9	9.6			
FM (30°-60°)	1851.0	39.5			
FH (60°-80°)	1202.1	25.6			G1/1800
FVH (80°-90°)	57.4	1.2			G1/100
BL (0°-30°)	252.9	5.4	B1/500		
BM (30°-60°)	538.8	11.5	B1/1000		
BH (60°-80°)	314.4	6.7	B1/500		G1/500
BVH (80°-90°)	20.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	791.4	791.4	791.4	791.4	791.4	791.4	791.4	791.4	791.4	791.4	791.4
2.5°	838.5	839.5	833.6	830.7	826.8	823.8	816.0	809.1	804.2	800.2	792.4
5°	885.7	884.7	878.8	868.0	861.1	851.3	834.6	822.8	816.0	808.1	792.4
7.5°	932.8	928.9	923.0	913.2	904.3	890.6	872.9	849.3	839.5	826.8	802.2
10°	972.1	972.1	970.1	961.3	951.5	932.8	915.1	887.6	870.9	852.3	816.9
12.5°	1011.4	1010.4	1004.5	999.6	989.8	973.1	952.4	922.0	900.4	880.8	832.6
15°	1051.6	1049.6	1042.8	1035.9	1022.2	1009.4	988.8	960.3	936.7	912.2	851.3
17.5°	1093.8	1090.9	1082.1	1078.1	1062.4	1049.6	1033.0	1002.5	978.0	948.5	877.8
20°	1125.3	1124.3	1116.4	1114.5	1106.6	1091.9	1079.1	1052.6	1023.1	991.7	908.3
22.5°	1149.8	1149.8	1147.8	1151.8	1154.7	1144.9	1128.2	1105.6	1074.2	1043.8	947.5
25°	1167.5	1167.5	1174.3	1186.1	1202.8	1201.8	1194.0	1171.4	1144.9	1110.5	997.6
27.5°	1173.4	1174.3	1184.2	1214.6	1251.9	1262.7	1258.8	1252.9	1234.2	1192.0	1066.3
30°	1173.4	1174.3	1195.0	1238.2	1298.1	1326.5	1338.3	1364.8	1358.9	1327.5	1183.2
32.5°	1156.7	1158.6	1185.1	1246.0	1329.5	1383.5	1426.7	1513.1	1538.6	1544.5	1399.2
35°	1095.8	1100.7	1143.9	1235.2	1355.0	1453.2	1540.6	1709.5	1786.1	1792.9	1629.9
37.5°	1042.8	1045.7	1104.6	1213.6	1370.7	1517.0	1663.3	1928.4	2010.9	2009.9	1808.7
40°	992.7	998.6	1054.6	1179.3	1368.8	1573.0	1788.0	2124.8	2207.3	2174.9	1958.9
42.5°	935.7	942.6	996.6	1136.1	1356.0	1624.1	1908.8	2305.5	2358.5	2339.9	2108.1
45°	874.9	877.8	933.8	1065.4	1326.5	1655.5	2024.7	2464.6	2508.7	2474.4	2240.7
47.5°	819.9	823.8	870.9	994.7	1270.6	1665.3	2126.8	2606.0	2643.3	2614.8	2359.5
50°	652.0	663.8	802.2	930.8	1188.1	1644.7	2223.0	2732.6	2776.8	2739.5	2484.2
52.5°	562.6	569.5	624.5	865.1	1078.1	1589.7	2290.8	2860.3	2898.6	2849.5	2592.2
55°	526.3	527.3	559.7	739.4	987.8	1496.4	2331.0	2976.1	3005.6	2957.5	2700.2
57.5°	493.9	498.8	527.3	602.9	900.4	1327.5	2333.0	3063.5	3096.9	3037.0	2788.6
60°	457.6	461.5	493.9	545.0	800.2	1108.6	2251.5	3139.1	3168.6	3117.5	2876.0
62.5°	429.1	430.1	451.7	500.8	700.1	947.5	2073.8	3149.9	3214.7	3177.4	2940.8
65°	394.7	396.7	418.3	461.5	618.6	823.8	1873.5	3089.0	3194.1	3195.1	2976.1
67.5°	350.5	351.5	375.1	418.3	535.1	728.6	1543.5	3026.2	3113.6	3130.3	2905.4
70°	291.6	297.5	318.1	359.4	453.6	616.6	1173.4	2850.4	2926.1	2969.3	2721.8
72.5°	220.9	230.7	256.3	299.5	364.3	516.5	824.8	2579.4	2731.6	2762.1	2452.8
75°	46.1	47.1	76.6	158.1	294.6	400.6	565.6	1961.8	2402.7	2453.8	2084.6
77.5°	20.6	22.6	35.3	53.0	95.2	258.2	370.2	1029.0	1631.9	1915.7	1645.7
80°	15.7	16.7	28.5	42.2	58.9	77.6	182.6	565.6	758.0	1059.5	1107.6
82.5°	8.8	9.8	18.7	30.4	37.3	35.3	75.6	245.5	339.7	430.1	540.0
85°	4.9	5.9	10.8	16.7	15.7	17.7	33.4	130.6	193.4	255.3	273.0
87.5°	2.0	2.9	3.9	5.9	5.9	4.9	5.9	24.5	35.3	33.4	23.6
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	791.4	791.4	791.4	791.4	791.4	791.4	791.4	791.4	791.4	791.4	791.4
2.5°	788.5	783.6	775.7	767.8	761.0	755.1	749.2	747.2	746.2	746.2	750.2
5°	784.5	776.7	761.0	747.2	733.5	723.7	715.8	707.9	707.9	706.0	706.0
7.5°	789.4	777.7	754.1	733.5	715.8	702.1	693.2	684.4	679.5	678.5	678.5
10°	799.3	784.5	755.1	728.6	706.0	684.4	670.6	656.9	649.0	645.1	646.1
12.5°	809.1	787.5	751.2	718.7	688.3	660.8	637.3	617.6	608.8	609.8	609.8
15°	818.9	792.4	741.3	701.1	663.8	628.4	604.8	584.2	571.5	569.5	572.4
17.5°	838.5	802.2	737.4	684.4	638.2	597.0	574.4	557.7	534.2	534.2	532.2
20°	862.1	818.9	738.4	666.7	611.7	564.6	538.1	522.4	501.7	490.0	487.0
22.5°	892.5	841.5	740.4	650.0	583.2	531.2	495.9	476.2	461.5	444.8	441.9
25°	935.7	869.0	745.3	633.3	552.8	492.9	447.7	422.2	405.5	386.9	385.9
27.5°	983.9	900.4	750.2	616.6	517.5	444.8	387.8	359.4	345.6	336.8	333.8
30°	1064.4	952.4	757.0	597.0	475.2	382.0	326.0	308.3	297.5	277.9	281.8
32.5°	1266.6	1088.9	764.9	574.4	432.0	326.0	284.8	263.1	243.5	228.8	227.8
35°	1462.0	1264.7	803.2	548.9	379.0	273.0	246.5	216.0	192.5	185.6	185.6
37.5°	1633.9	1411.0	896.5	525.3	327.0	244.5	205.2	181.7	166.9	157.1	168.9
40°	1786.1	1558.3	966.2	491.9	271.0	210.1	165.0	157.1	148.3	146.3	147.3
42.5°	1920.6	1674.1	1020.2	449.7	230.7	171.8	143.4	150.2	149.2	148.3	144.3
45°	2053.1	1790.0	1054.6	388.8	197.4	146.3	141.4	152.2	153.2	153.2	149.2
47.5°	2166.1	1889.2	1076.2	320.1	168.9	145.3	145.3	147.3	153.2	155.1	153.2
50°	2280.0	1979.5	1075.2	249.4	166.9	152.2	147.3	142.4	147.3	142.4	141.4
52.5°	2390.9	2059.0	1033.0	203.3	172.8	161.0	148.3	139.4	131.6	131.6	127.6
55°	2481.3	2125.8	951.5	190.5	178.7	165.9	149.2	136.5	125.7	116.8	121.8
57.5°	2563.7	2191.6	830.7	185.6	178.7	165.0	149.2	133.5	120.8	108.0	102.1
60°	2640.3	2247.6	727.6	176.7	177.7	161.0	145.3	129.6	111.9	99.2	95.2
62.5°	2685.5	2262.3	626.5	166.9	169.9	157.1	142.4	125.7	108.0	94.3	92.3
65°	2674.7	2221.1	503.7	156.1	163.0	152.2	137.5	118.8	101.1	87.4	83.5
67.5°	2570.6	2062.0	386.9	140.4	152.2	145.3	129.6	97.2	58.9	48.1	49.1
70°	2341.8	1854.8	273.9	119.8	133.5	131.6	99.2	65.8	47.1	37.3	40.3
72.5°	2072.8	1604.4	189.5	94.3	101.1	92.3	75.6	57.0	40.3	31.4	31.4
75°	1726.2	1285.3	142.4	76.6	53.0	63.8	64.8	50.1	40.3	47.1	52.0
77.5°	1347.2	950.5	112.9	60.9	23.6	35.3	47.1	42.2	71.7	74.6	69.7
80°	904.3	642.2	88.4	20.6	12.8	14.7	28.5	57.9	59.9	33.4	31.4
82.5°	500.8	334.8	37.3	11.8	6.9	7.9	14.7	75.6	39.3	30.4	29.5
85°	230.7	141.4	13.7	5.9	3.9	3.9	3.9	12.8	7.9	5.9	7.9
87.5°	17.7	10.8	2.9	2.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0
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)