

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: P1210235

Luminaire Tested: **ARCH2-60-727-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-60-727-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8682 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 63.8
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

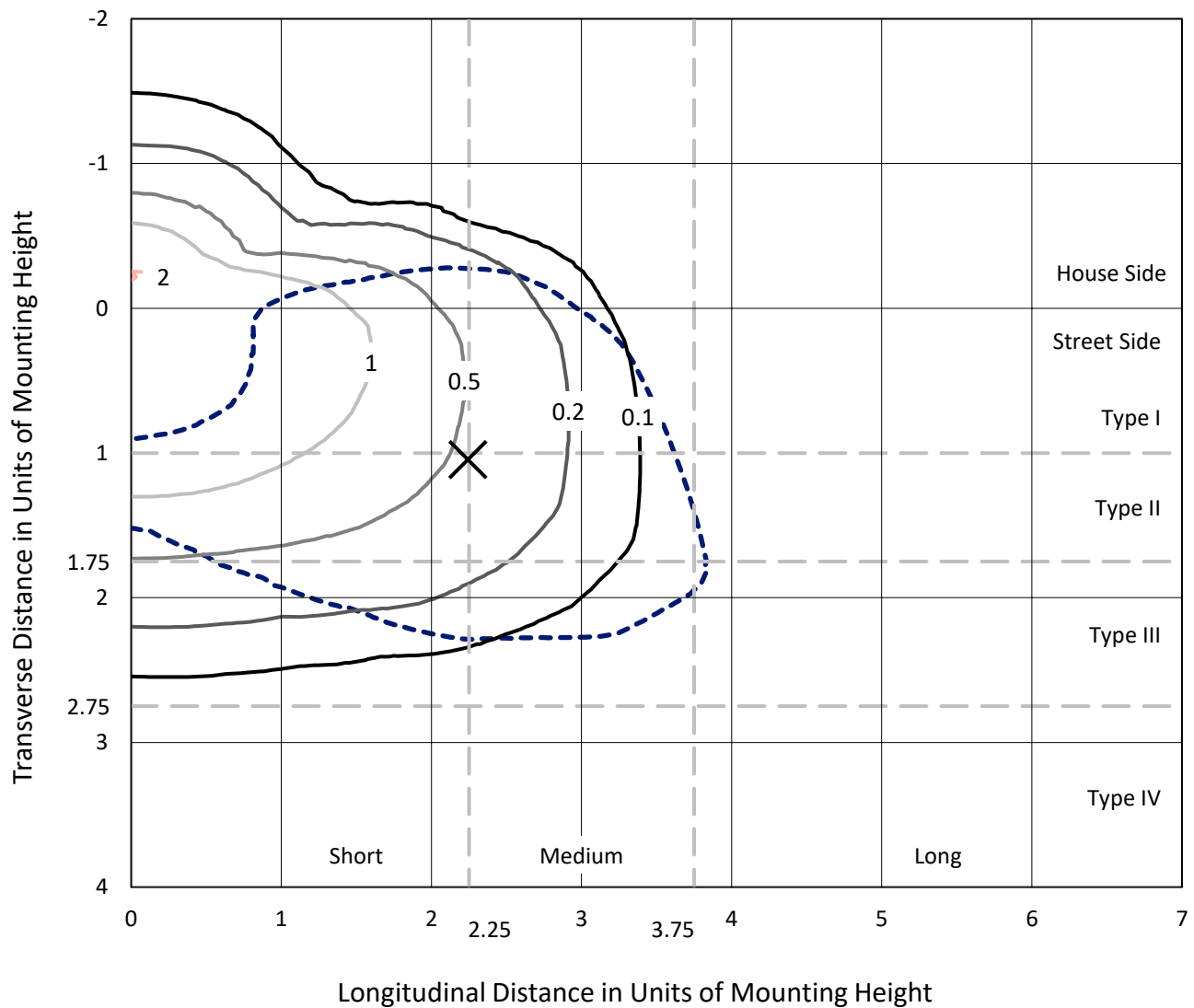


REPORT NUMBER: P1210235

CATALOG NUMBER: ARCH2-60-727-U-T3RE

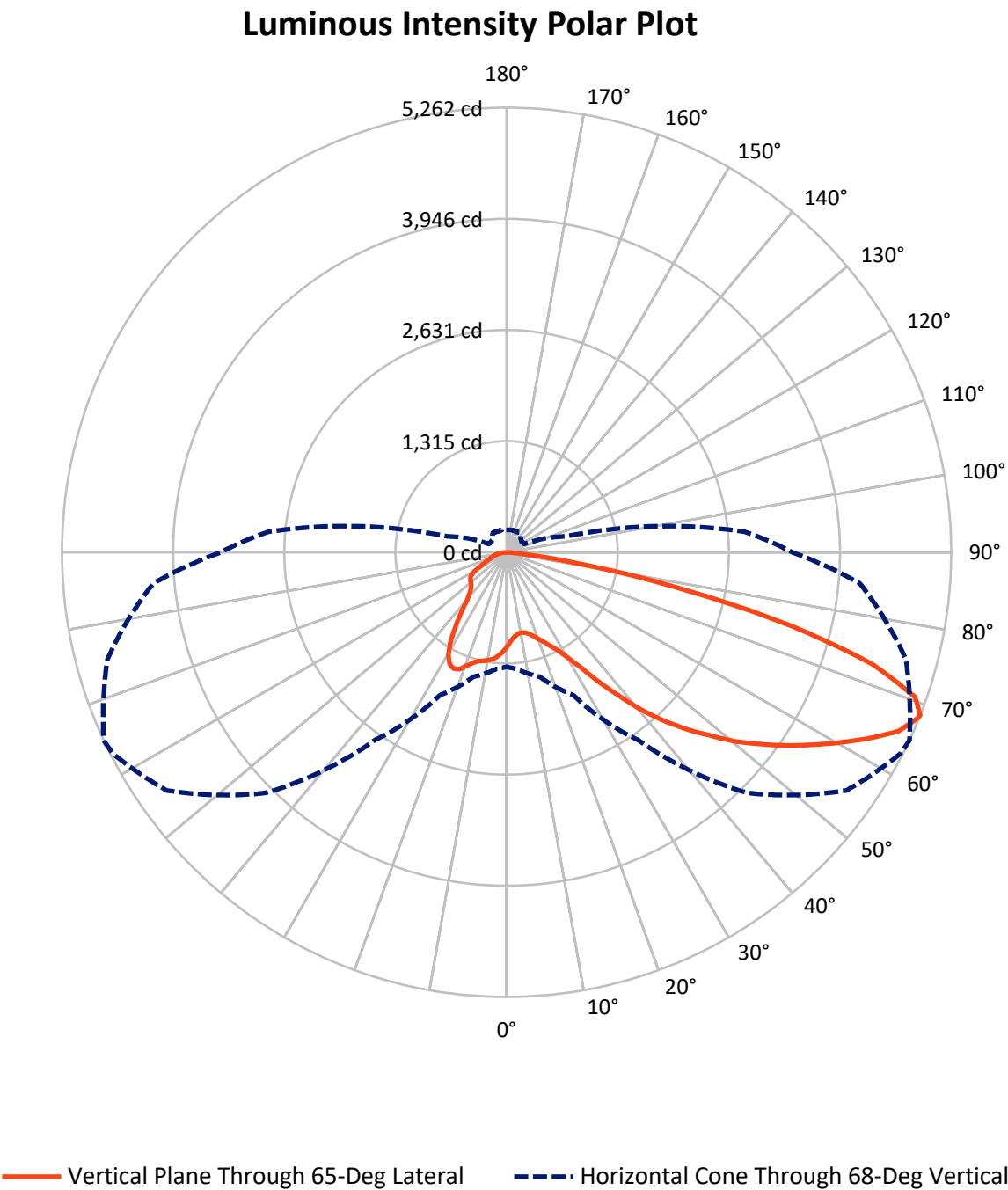
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type III - Short - N/A

REPORT NUMBER: P1210235
CATALOG NUMBER: ARCH2-60-727-U-T3RE



REPORT NUMBER: P1210235

CATALOG NUMBER: ARCH2-60-727-U-T3RE

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2128.6	0.0	2128.6
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	6553.4	0.0	6553.4
	% Fixture	75.5	0.0	75.5
Total	Lumens	8682.0	0.0	8682.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	1.2
10°-20°	345.2	4.0
20°-30°	624.8	7.2
30°-40°	982.9	11.3
40°-50°	1464.0	16.9
50°-60°	1920.5	22.1
60°-70°	2100.1	24.2
70°-80°	1039.2	12.0
80°-90°	99.1	1.1
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°	8682.0	100.0
0°-180°	8682.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210235

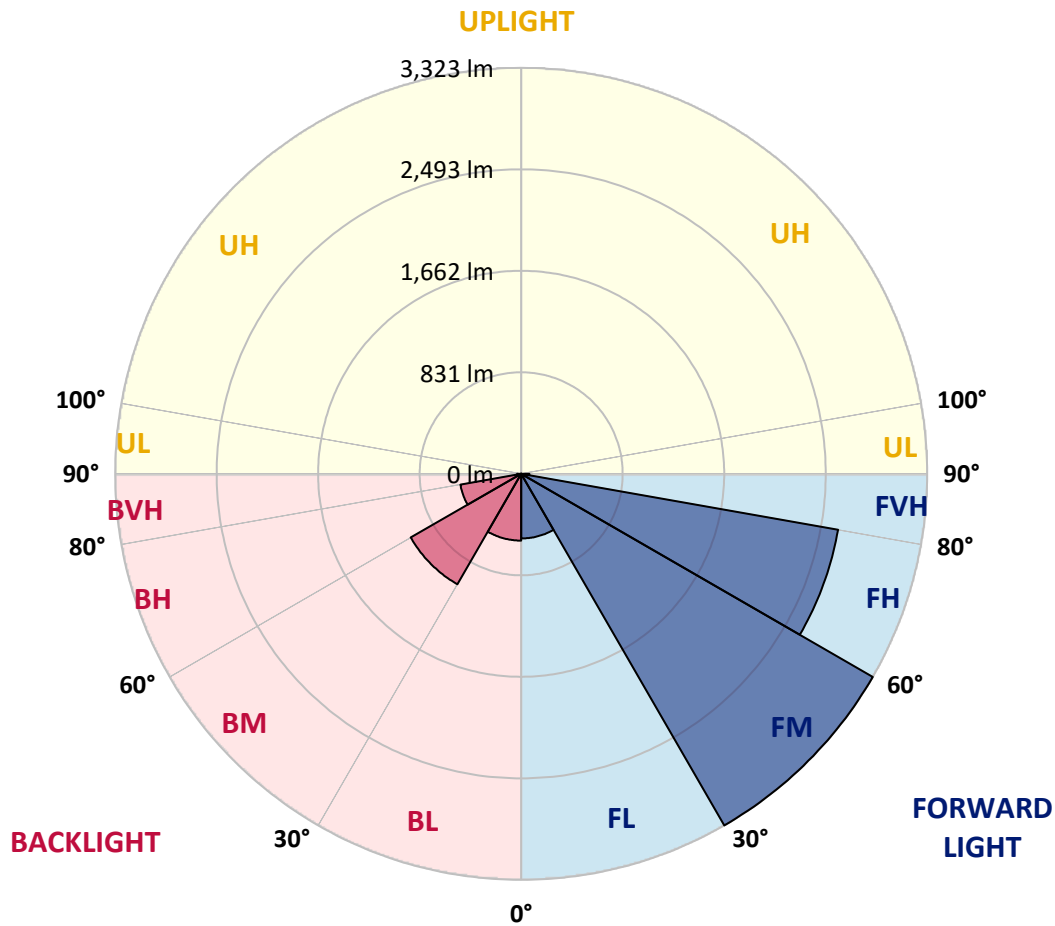
CATALOG NUMBER: ARCH2-60-727-U-T3RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	529.3	6.1			
FM	(30°-60°)	3323.3	38.3			
FH	(60°-80°)	2634.1	30.3			G2/5000
FVH	(80°-90°)	66.7	0.8			G1/100
BL	(0°-30°)	546.8	6.3	B2/1000		
BM	(30°-60°)	1044.0	12.0	B2/2500		
BH	(60°-80°)	505.2	5.8	B2/1000		G2/1000
BVH	(80°-90°)	32.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



REPORT NUMBER: P1210235

CATALOG NUMBER: ARCH2-60-727-U-T3RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1109.5	1109.5	1109.5	1109.5	1109.5	1109.5	1109.5	1109.5	1109.5	1109.5	1109.5
2.5°	968.4	966.2	971.8	977.3	989.7	1004.2	1024.4	1041.2	1043.4	1074.7	1099.4
5°	911.3	907.9	913.5	920.3	925.9	943.8	965.0	989.7	999.7	1045.6	1098.3
7.5°	916.9	915.8	918.0	915.8	915.8	923.6	938.2	962.8	974.0	1028.8	1103.9
10°	949.4	951.6	952.7	946.0	939.3	935.9	940.4	957.2	965.0	1030.0	1128.5
12.5°	1003.1	1006.5	1007.6	995.3	986.3	971.8	963.9	970.6	976.2	1041.2	1163.2
15°	1075.9	1078.1	1070.3	1062.4	1040.0	1022.1	1003.1	997.5	999.7	1064.7	1202.4
17.5°	1161.0	1157.6	1157.6	1138.6	1109.5	1081.5	1050.1	1045.6	1045.6	1102.7	1258.4
20°	1253.9	1257.2	1247.2	1221.4	1192.3	1148.6	1117.3	1097.1	1099.4	1146.4	1326.6
22.5°	1388.2	1393.8	1366.9	1330.0	1285.2	1234.8	1190.1	1157.6	1158.7	1203.5	1397.2
25°	1532.6	1534.9	1518.1	1468.8	1408.4	1336.7	1277.4	1236.0	1234.8	1267.3	1487.9
27.5°	1680.4	1690.5	1656.9	1609.9	1553.9	1464.3	1386.0	1330.0	1321.0	1364.7	1600.9
30°	1832.7	1845.0	1812.5	1766.6	1697.2	1621.1	1528.2	1463.2	1457.6	1515.8	1752.1
32.5°	1986.0	1989.4	1963.7	1925.6	1862.9	1791.2	1716.2	1644.6	1639.0	1734.2	1948.0
35°	2111.4	2121.5	2103.6	2094.6	2048.7	1982.7	1909.9	1868.5	1883.0	2005.1	2202.1
37.5°	2262.6	2272.6	2252.5	2250.3	2235.7	2178.6	2128.2	2131.6	2146.1	2311.8	2469.7
40°	2480.9	2492.1	2440.6	2418.2	2418.2	2362.2	2345.4	2424.9	2443.9	2614.1	2748.4
42.5°	2665.6	2683.5	2653.3	2638.7	2595.1	2555.9	2576.0	2688.0	2720.5	2902.9	2991.4
45°	2755.2	2768.6	2804.4	2847.0	2804.4	2736.1	2812.3	2938.8	2984.7	3169.4	3234.3
47.5°	2803.3	2815.6	2857.0	2971.2	3000.3	2943.2	3050.7	3208.6	3239.9	3433.6	3466.1
50°	2810.0	2849.2	2902.9	3017.1	3150.4	3158.2	3290.3	3482.9	3519.8	3693.3	3669.8
52.5°	2755.2	2770.8	2881.7	3074.2	3222.0	3356.4	3551.1	3745.9	3772.8	3937.4	3850.1
55°	2665.6	2688.0	2798.8	3060.8	3291.4	3544.4	3816.5	4004.6	4034.8	4174.7	4016.9
57.5°	2585.0	2596.2	2714.9	3021.6	3360.8	3732.5	4052.7	4274.4	4294.5	4383.0	4140.0
60°	2495.4	2507.7	2626.4	2937.6	3412.3	3874.7	4299.0	4546.4	4564.3	4602.4	4283.3
62.5°	2263.7	2296.2	2445.1	2798.8	3398.9	4037.0	4562.1	4815.1	4837.5	4796.1	4396.4
65°	1838.3	1884.2	2066.7	2484.2	3273.5	4142.3	4777.0	5062.5	5100.6	4941.6	4426.6
67.5°	1427.4	1459.9	1606.5	1971.5	2833.5	4089.6	4915.9	5232.7	5243.9	4918.1	4258.7
68°	1353.5	1386.0	1525.9	1864.0	2711.5	4026.9	4912.5	5237.2	5261.8	4892.3	4193.8
70°	1035.6	1072.5	1205.7	1476.7	2185.3	3628.4	4707.6	5129.7	5126.3	4581.1	3790.7
72.5°	647.1	668.4	760.2	931.4	1445.3	2760.8	3995.6	4524.0	4533.0	3734.8	2907.4
75°	410.9	410.9	406.4	451.2	741.1	1572.9	2970.1	3482.9	3489.6	2615.2	1832.7
77.5°	357.1	347.1	298.9	253.0	295.6	611.3	1757.7	2249.1	2212.2	1408.4	869.9
80°	301.2	284.4	245.2	203.8	190.3	191.4	675.1	1141.9	1092.7	507.1	288.8
82.5°	217.2	202.6	184.7	160.1	146.7	114.2	141.1	330.3	322.4	146.7	94.0
85°	117.6	106.4	104.1	105.2	88.4	70.5	59.3	72.8	72.8	63.8	53.7
87.5°	41.4	30.2	35.8	40.3	34.7	29.1	23.5	28.0	29.1	28.0	25.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1210235

CATALOG NUMBER: ARCH2-60-727-U-T3RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1109.5	1109.5	1109.5	1109.5	1109.5	1109.5	1109.5	1109.5	1109.5	1109.5	1109.5
2.5°	1113.9	1125.1	1152.0	1175.5	1192.3	1206.9	1214.7	1218.0	1225.9	1227.0	1224.8
5°	1122.9	1152.0	1192.3	1227.0	1246.0	1253.9	1256.1	1257.2	1253.9	1256.1	1253.9
7.5°	1146.4	1183.3	1240.4	1270.7	1274.0	1261.7	1262.8	1258.4	1262.8	1267.3	1267.3
10°	1182.2	1229.2	1283.0	1294.2	1279.6	1272.9	1286.3	1313.2	1322.2	1334.5	1334.5
12.5°	1229.2	1285.2	1323.3	1313.2	1299.8	1322.2	1361.3	1388.2	1397.2	1401.7	1398.3
15°	1283.0	1343.4	1362.5	1328.9	1353.5	1401.7	1415.1	1399.4	1377.0	1366.9	1372.5
17.5°	1351.3	1401.7	1390.5	1368.1	1424.0	1430.8	1387.1	1336.7	1300.9	1287.5	1296.4
20°	1422.9	1466.6	1415.1	1425.2	1459.9	1388.2	1305.4	1240.4	1209.1	1203.5	1212.5
22.5°	1499.1	1527.0	1439.7	1491.2	1439.7	1294.2	1194.5	1161.0	1153.1	1162.1	1169.9
25°	1585.3	1581.9	1482.3	1511.4	1364.7	1178.9	1119.5	1117.3	1117.3	1122.9	1134.1
27.5°	1682.7	1630.0	1524.8	1484.5	1234.8	1083.7	1072.5	1073.6	1070.3	1071.4	1077.0
30°	1795.7	1695.0	1571.8	1396.1	1089.3	1012.1	1007.6	1004.2	996.4	994.1	996.4
32.5°	1937.9	1763.3	1620.0	1250.5	961.7	938.2	935.9	918.0	899.0	896.7	904.6
35°	2118.2	1887.5	1644.6	1068.0	856.4	855.3	847.5	819.5	794.9	794.9	789.3
37.5°	2324.1	2047.6	1654.7	890.0	769.1	774.7	752.3	716.5	697.5	686.3	689.6
40°	2534.6	2230.1	1653.5	734.4	693.0	694.1	677.3	633.7	586.6	558.6	565.4
42.5°	2737.3	2395.8	1624.4	651.6	631.4	628.1	614.6	555.3	516.1	493.7	494.8
45°	2899.6	2567.1	1579.7	602.3	575.4	581.0	550.8	515.0	479.2	459.0	457.9
47.5°	3061.9	2696.9	1508.0	572.1	534.0	523.9	511.6	487.0	460.1	437.7	438.9
50°	3209.7	2807.8	1440.8	551.9	496.0	470.2	472.4	457.9	434.4	414.2	413.1
52.5°	3313.8	2880.6	1403.9	540.7	450.1	422.1	429.9	422.1	399.7	385.1	384.0
55°	3417.9	2936.5	1416.2	526.2	399.7	377.3	390.7	388.5	376.2	371.7	372.8
57.5°	3501.9	2979.1	1459.9	499.3	351.5	338.1	360.5	353.8	344.8	345.9	345.9
60°	3583.6	3033.9	1511.4	437.7	310.1	311.2	332.5	320.2	314.6	324.7	325.8
62.5°	3668.7	3093.3	1468.8	348.2	274.3	282.1	306.8	296.7	298.9	313.5	317.9
65°	3658.6	3087.7	1196.8	285.5	242.9	258.6	295.6	292.2	293.3	298.9	301.2
67.5°	3452.6	2890.6	822.9	242.9	220.5	239.6	286.6	273.2	274.3	270.9	272.0
68°	3383.2	2821.2	725.5	236.2	216.1	235.1	282.1	269.8	270.9	267.6	266.4
70°	3004.8	2415.9	459.0	208.2	200.4	222.8	259.7	255.3	254.1	251.9	251.9
72.5°	2290.6	1783.4	241.8	180.2	182.5	203.8	231.7	240.7	235.1	236.2	242.9
75°	1517.0	1072.5	167.9	154.5	160.1	174.6	206.0	223.9	218.3	221.7	218.3
77.5°	802.7	577.7	134.3	131.0	131.0	141.1	170.2	198.2	198.2	195.9	192.6
80°	263.1	203.8	107.5	103.0	105.2	110.8	136.6	162.3	165.7	161.2	159.0
82.5°	88.4	94.0	80.6	75.0	77.2	81.7	103.0	124.3	125.4	116.4	114.2
85°	54.9	62.7	50.4	49.3	49.3	50.4	62.7	68.3	62.7	56.0	58.2
87.5°	25.7	31.3	23.5	20.2	16.8	14.6	11.2	4.5	4.5	2.2	2.2
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)