

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: P1210047

Luminaire Tested: **ARCH1-60-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210047
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: ARCH1-60-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

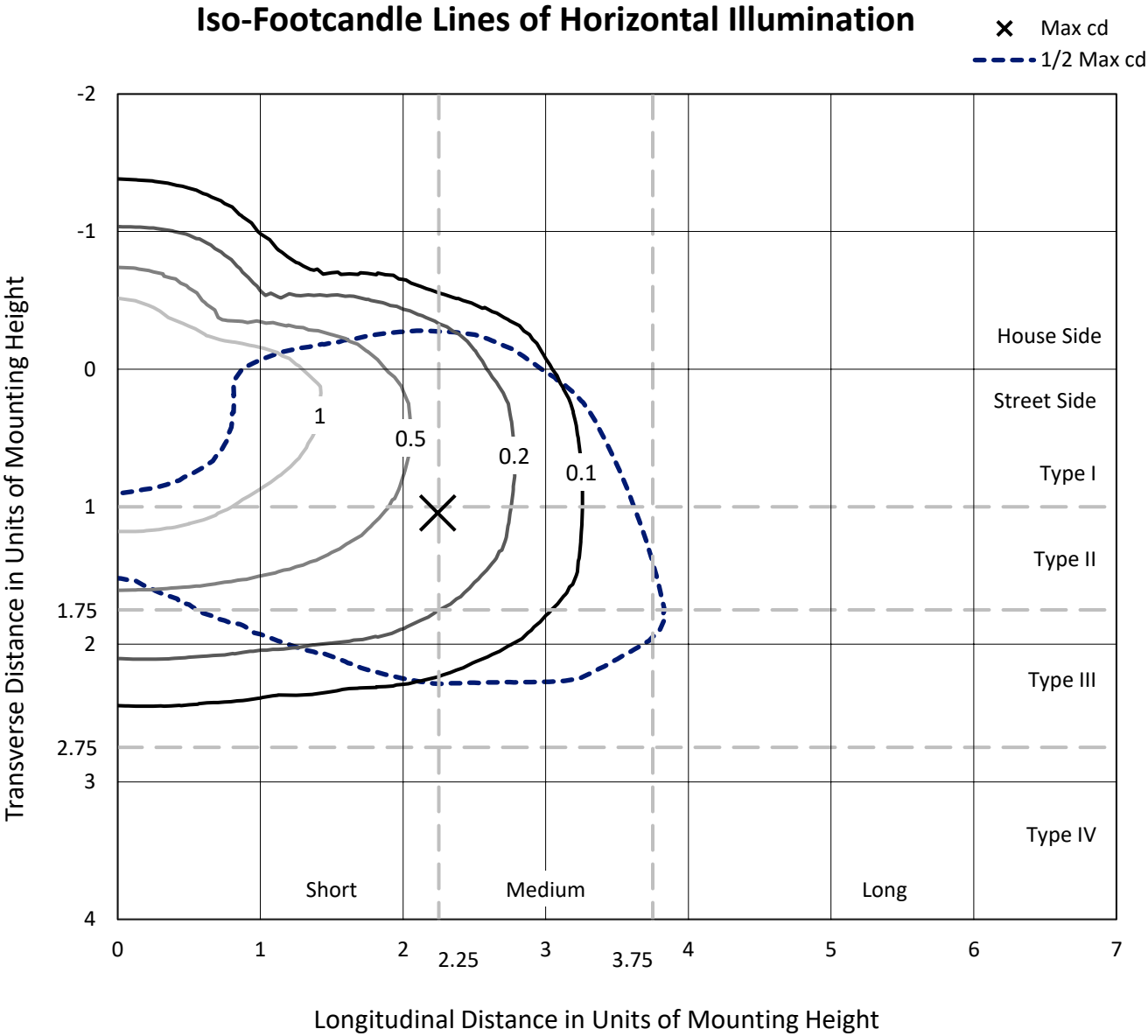
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7156 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 60
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



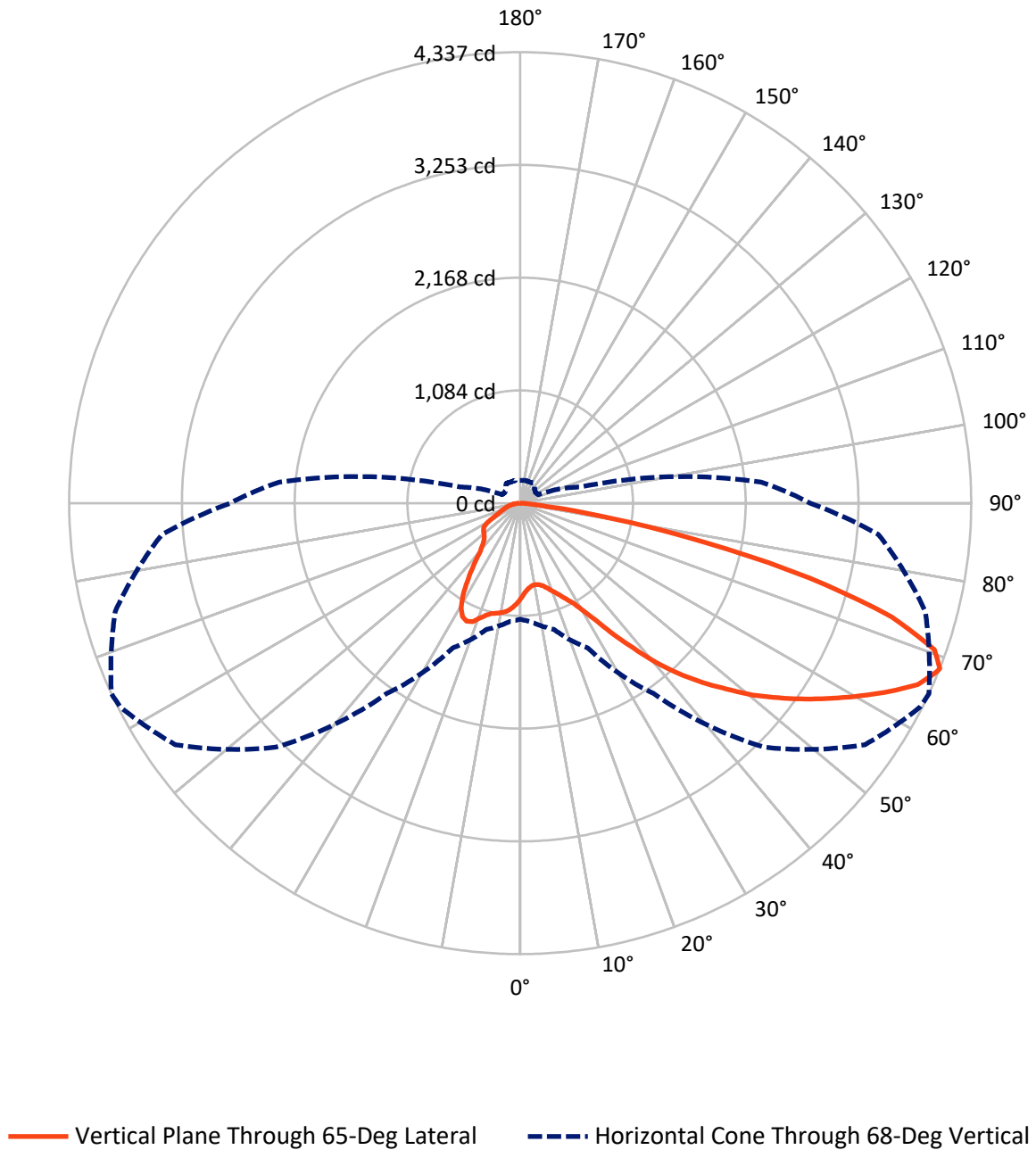
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Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1754.4	0.0	1754.4
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	5401.6	0.0	5401.6
	% Fixture	75.5	0.0	75.5
Total	Lumens	7156.0	0.0	7156.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	1.2
10°-20°	284.6	4.0
20°-30°	515.0	7.2
30°-40°	810.2	11.3
40°-50°	1206.7	16.9
50°-60°	1582.9	22.1
60°-70°	1731.0	24.2
70°-80°	856.6	12.0
80°-90°	81.7	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°	7156.0	100.0
0°-180°	7156.0	100.0

Coefficient of Utilization



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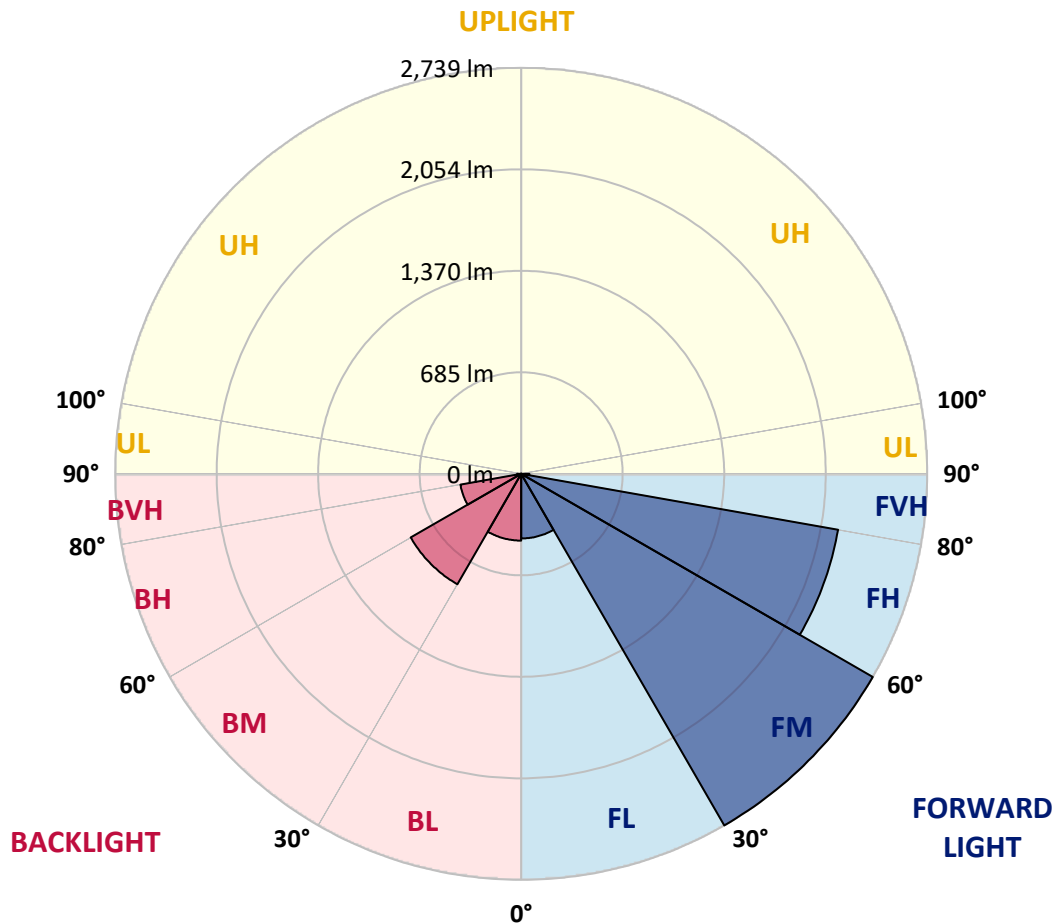
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	436.2	6.1			
FM	(30°-60°)	2739.2	38.3			
FH	(60°-80°)	2171.2	30.3			G2/5000
FVH	(80°-90°)	55.0	0.8			G1/100
BL	(0°-30°)	450.7	6.3	B1/500		
BM	(30°-60°)	860.5	12.0	B1/1000		
BH	(60°-80°)	416.4	5.8	B1/500		G1/500
BVH	(80°-90°)	26.8	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	914.4	914.4	914.4	914.4	914.4	914.4	914.4	914.4	914.4	914.4	914.4
2.5°	798.2	796.3	801.0	805.6	815.7	827.7	844.3	858.2	860.0	885.8	906.1
5°	751.1	748.4	753.0	758.5	763.1	777.9	795.4	815.7	824.0	861.9	905.2
7.5°	755.7	754.8	756.7	754.8	754.8	761.3	773.3	793.6	802.8	848.0	909.8
10°	782.5	784.3	785.3	779.7	774.2	771.4	775.1	789.0	795.4	848.9	930.1
12.5°	826.8	829.6	830.5	820.3	812.9	801.0	794.5	800.0	804.6	858.2	958.7
15°	886.8	888.6	882.2	875.7	857.2	842.5	826.8	822.2	824.0	877.5	991.0
17.5°	956.9	954.1	954.1	938.4	914.4	891.4	865.5	861.9	861.9	908.9	1037.2
20°	1033.5	1036.3	1027.9	1006.7	982.7	946.7	920.9	904.3	906.1	944.9	1093.5
22.5°	1144.2	1148.8	1126.7	1096.2	1059.3	1017.8	980.9	954.1	955.1	992.0	1151.6
25°	1263.3	1265.1	1251.3	1210.7	1160.8	1101.8	1052.9	1018.7	1017.8	1044.6	1226.3
27.5°	1385.1	1393.4	1365.7	1326.9	1280.8	1207.0	1142.4	1096.2	1088.9	1124.8	1319.5
30°	1510.5	1520.7	1493.9	1456.1	1398.9	1336.1	1259.6	1206.0	1201.4	1249.4	1444.1
32.5°	1637.0	1639.7	1618.5	1587.1	1535.5	1476.4	1414.6	1355.5	1350.9	1429.3	1605.6
35°	1740.3	1748.6	1733.9	1726.5	1688.6	1634.2	1574.2	1540.1	1552.1	1652.7	1815.1
37.5°	1864.9	1873.2	1856.6	1854.7	1842.7	1795.7	1754.2	1756.9	1768.9	1905.5	2035.6
40°	2044.8	2054.1	2011.6	1993.1	1993.1	1947.0	1933.2	1998.7	2014.4	2154.6	2265.4
42.5°	2197.1	2211.8	2186.9	2174.9	2138.9	2106.6	2123.3	2215.5	2242.3	2392.7	2465.6
45°	2270.9	2282.0	2311.5	2346.6	2311.5	2255.2	2318.0	2422.2	2460.1	2612.3	2665.8
47.5°	2310.6	2320.7	2354.9	2449.0	2473.0	2425.9	2514.5	2644.6	2670.5	2830.1	2856.8
50°	2316.1	2348.4	2392.7	2486.8	2596.6	2603.1	2712.0	2870.7	2901.1	3044.2	3024.8
52.5°	2270.9	2283.8	2375.2	2533.9	2655.7	2766.4	2927.0	3087.5	3109.7	3245.3	3173.4
55°	2197.1	2215.5	2306.9	2522.8	2712.9	2921.4	3145.7	3300.7	3325.6	3441.0	3310.8
57.5°	2130.6	2139.9	2237.7	2490.5	2770.1	3076.5	3340.4	3523.1	3539.7	3612.6	3412.3
60°	2056.8	2067.0	2164.8	2421.3	2812.6	3193.7	3543.4	3747.3	3762.1	3793.4	3530.5
62.5°	1865.8	1892.6	2015.3	2306.9	2801.5	3327.5	3760.2	3968.8	3987.2	3953.1	3623.7
65°	1515.2	1553.0	1703.4	2047.6	2698.1	3414.2	3937.4	4172.7	4204.1	4073.0	3648.6
67.5°	1176.5	1203.3	1324.2	1625.0	2335.5	3370.8	4051.8	4313.0	4322.2	4053.7	3510.2
68°	1115.6	1142.4	1257.7	1536.4	2234.9	3319.1	4049.0	4316.6	4336.9	4032.4	3456.6
70°	853.5	884.0	993.8	1217.1	1801.2	2990.6	3880.2	4228.1	4225.3	3775.9	3124.4
72.5°	533.4	550.9	626.6	767.7	1191.3	2275.5	3293.3	3728.9	3736.2	3078.3	2396.4
75°	338.7	338.7	335.0	371.9	610.9	1296.5	2448.1	2870.7	2876.2	2155.6	1510.5
77.5°	294.4	286.1	246.4	208.5	243.6	503.8	1448.7	1853.8	1823.4	1160.8	717.0
80°	248.2	234.4	202.1	167.9	156.9	157.8	556.4	941.2	900.6	418.0	238.1
82.5°	179.0	167.0	152.3	132.0	120.9	94.1	116.3	272.2	265.8	120.9	77.5
85°	96.9	87.7	85.8	86.7	72.9	58.1	48.9	60.0	60.0	52.6	44.3
87.5°	34.1	24.9	29.5	33.2	28.6	24.0	19.4	23.1	24.0	23.1	21.2
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°	914.4	914.4	914.4	914.4	914.4	914.4	914.4	914.4	914.4	914.4	914.4
2.5°	918.1	927.4	949.5	968.9	982.7	994.7	1001.2	1004.0	1010.4	1011.3	1009.5
5°	925.5	949.5	982.7	1011.3	1027.0	1033.5	1035.3	1036.3	1033.5	1035.3	1033.5
7.5°	944.9	975.4	1022.4	1047.3	1050.1	1039.9	1040.9	1037.2	1040.9	1044.6	1044.6
10°	974.4	1013.2	1057.5	1066.7	1054.7	1049.2	1060.2	1082.4	1089.8	1099.9	1099.9
12.5°	1013.2	1059.3	1090.7	1082.4	1071.3	1089.8	1122.1	1144.2	1151.6	1155.3	1152.5
15°	1057.5	1107.3	1123.0	1095.3	1115.6	1155.3	1166.4	1153.4	1135.0	1126.7	1131.3
17.5°	1113.8	1155.3	1146.1	1127.6	1173.7	1179.3	1143.3	1101.8	1072.2	1061.2	1068.5
20°	1172.8	1208.8	1166.4	1174.7	1203.3	1144.2	1075.9	1022.4	996.6	992.0	999.3
22.5°	1235.6	1258.6	1186.7	1229.1	1186.7	1066.7	984.6	956.9	950.4	957.8	964.3
25°	1306.6	1303.9	1221.7	1245.7	1124.8	971.7	922.8	920.9	920.9	925.5	934.8
27.5°	1386.9	1343.5	1256.8	1223.6	1017.8	893.2	884.0	884.9	882.2	883.1	887.7
30°	1480.1	1397.1	1295.5	1150.7	897.8	834.2	830.5	827.7	821.3	819.4	821.3
32.5°	1597.3	1453.3	1335.2	1030.7	792.6	773.3	771.4	756.7	741.0	739.1	745.6
35°	1745.9	1555.8	1355.5	880.3	705.9	705.0	698.5	675.5	655.2	655.2	650.5
37.5°	1915.6	1687.7	1363.8	733.6	633.9	638.5	620.1	590.6	574.9	565.6	568.4
40°	2089.1	1838.1	1362.9	605.3	571.2	572.1	558.3	522.3	483.5	460.5	466.0
42.5°	2256.1	1974.7	1338.9	537.0	520.4	517.7	506.6	457.7	425.4	406.9	407.9
45°	2389.9	2115.9	1302.0	496.4	474.3	478.9	454.0	424.5	394.9	378.3	377.4
47.5°	2523.7	2222.9	1243.0	471.5	440.2	431.8	421.7	401.4	379.3	360.8	361.7
50°	2645.5	2314.3	1187.6	454.9	408.8	387.6	389.4	377.4	358.0	341.4	340.5
52.5°	2731.4	2374.2	1157.1	445.7	370.9	347.9	354.3	347.9	329.4	317.4	316.5
55°	2817.2	2420.4	1167.3	433.7	329.4	311.0	322.0	320.2	310.0	306.4	307.3
57.5°	2886.4	2455.4	1203.3	411.5	289.7	278.7	297.1	291.6	284.2	285.1	285.1
60°	2953.7	2500.7	1245.7	360.8	255.6	256.5	274.1	263.9	259.3	267.6	268.5
62.5°	3023.9	2549.6	1210.7	287.0	226.1	232.5	252.8	244.5	246.4	258.4	262.1
65°	3015.6	2545.0	986.4	235.3	200.2	213.2	243.6	240.8	241.8	246.4	248.2
67.5°	2845.8	2382.6	678.2	200.2	181.8	197.5	236.2	225.2	226.1	223.3	224.2
68°	2788.6	2325.3	597.9	194.7	178.1	193.8	232.5	222.4	223.3	220.5	219.6
70°	2476.7	1991.3	378.3	171.6	165.2	183.6	214.1	210.4	209.5	207.6	207.6
72.5°	1888.0	1469.9	199.3	148.6	150.4	167.9	191.0	198.4	193.8	194.7	200.2
75°	1250.3	884.0	138.4	127.3	132.0	143.9	169.8	184.6	179.9	182.7	179.9
77.5°	661.6	476.1	110.7	108.0	108.0	116.3	140.3	163.3	163.3	161.5	158.7
80°	216.8	167.9	88.6	84.9	86.7	91.4	112.6	133.8	136.6	132.9	131.0
82.5°	72.9	77.5	66.4	61.8	63.7	67.4	84.9	102.4	103.3	96.0	94.1
85°	45.2	51.7	41.5	40.6	40.6	41.5	51.7	56.3	51.7	46.1	48.0
87.5°	21.2	25.8	19.4	16.6	13.8	12.0	9.2	3.7	3.7	1.8	1.8
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)