

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: P1211543

Luminaire Tested: **ARCH4-40-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211543
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: ARCH4-40-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 355mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

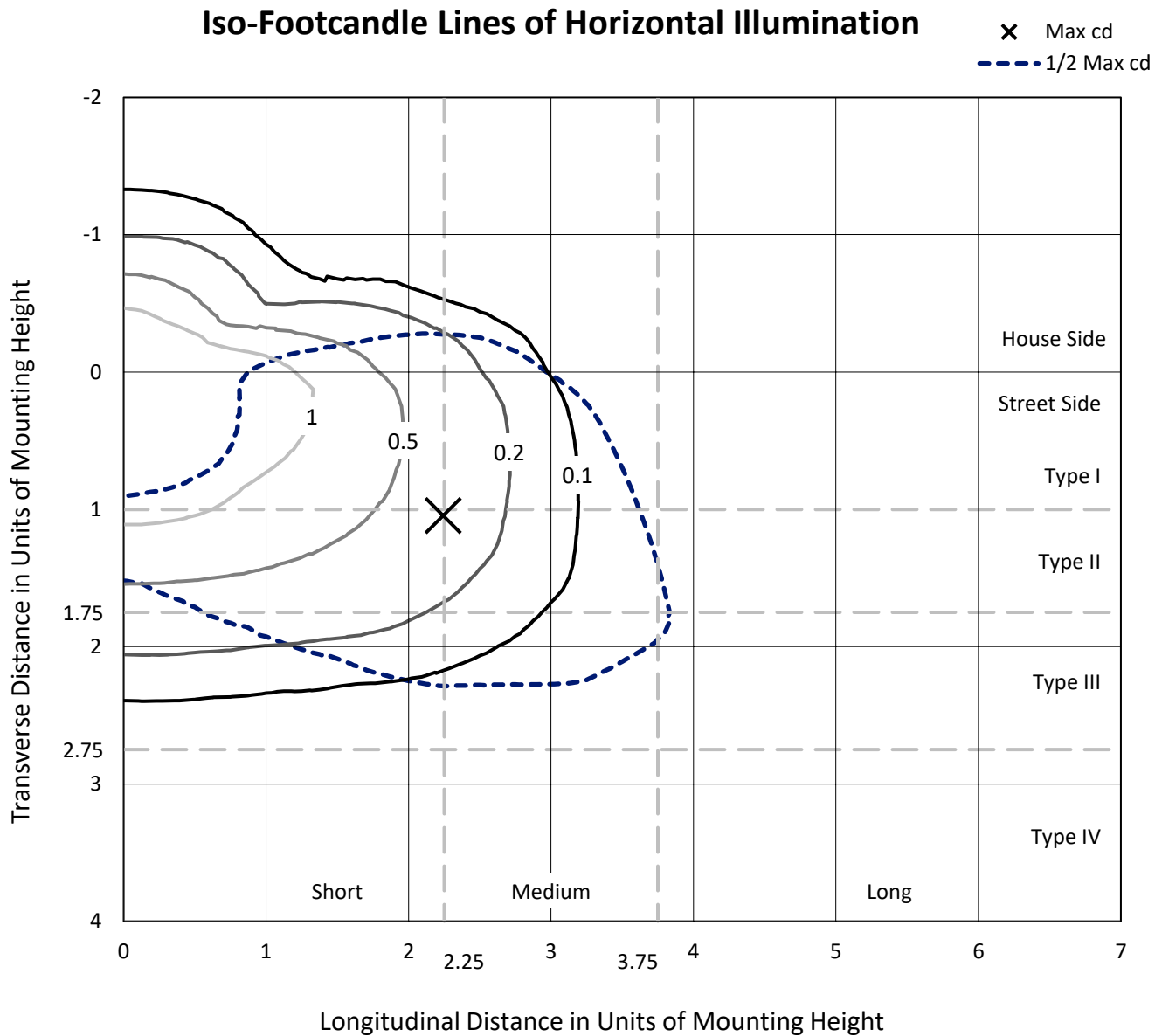
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6463 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 43.8
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

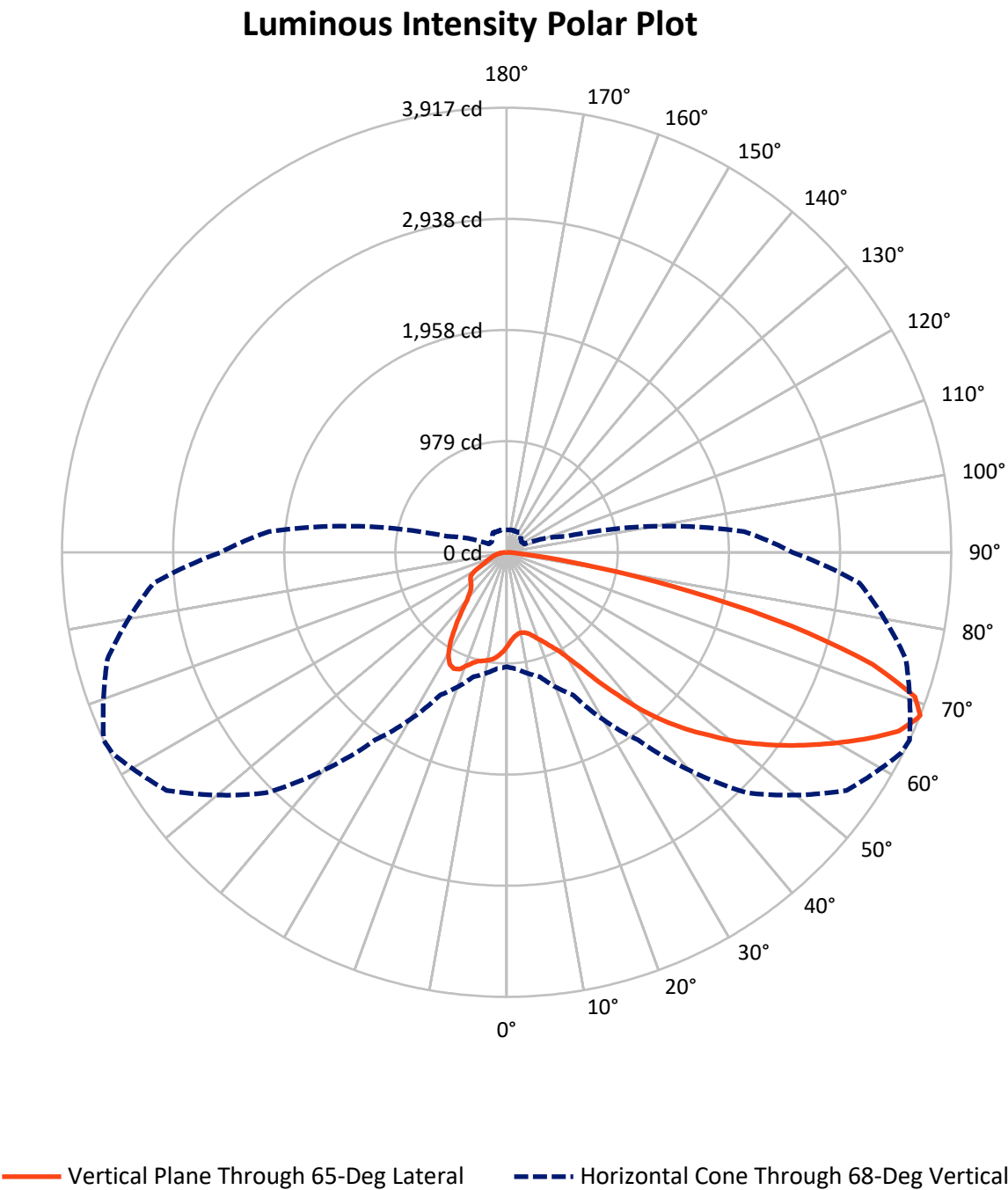


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Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1584.5	0.0	1584.5
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	4878.5	0.0	4878.5
	% Fixture	75.5	0.0	75.5
Total	Lumens	6463.0	0.0	6463.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	1.2
10°-20°	257.0	4.0
20°-30°	465.1	7.2
30°-40°	731.7	11.3
40°-50°	1089.8	16.9
50°-60°	1429.6	22.1
60°-70°	1563.4	24.2
70°-80°	773.6	12.0
80°-90°	73.8	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°	6463.0	100.0
0°-180°	6463.0	100.0

Coefficient of Utilization



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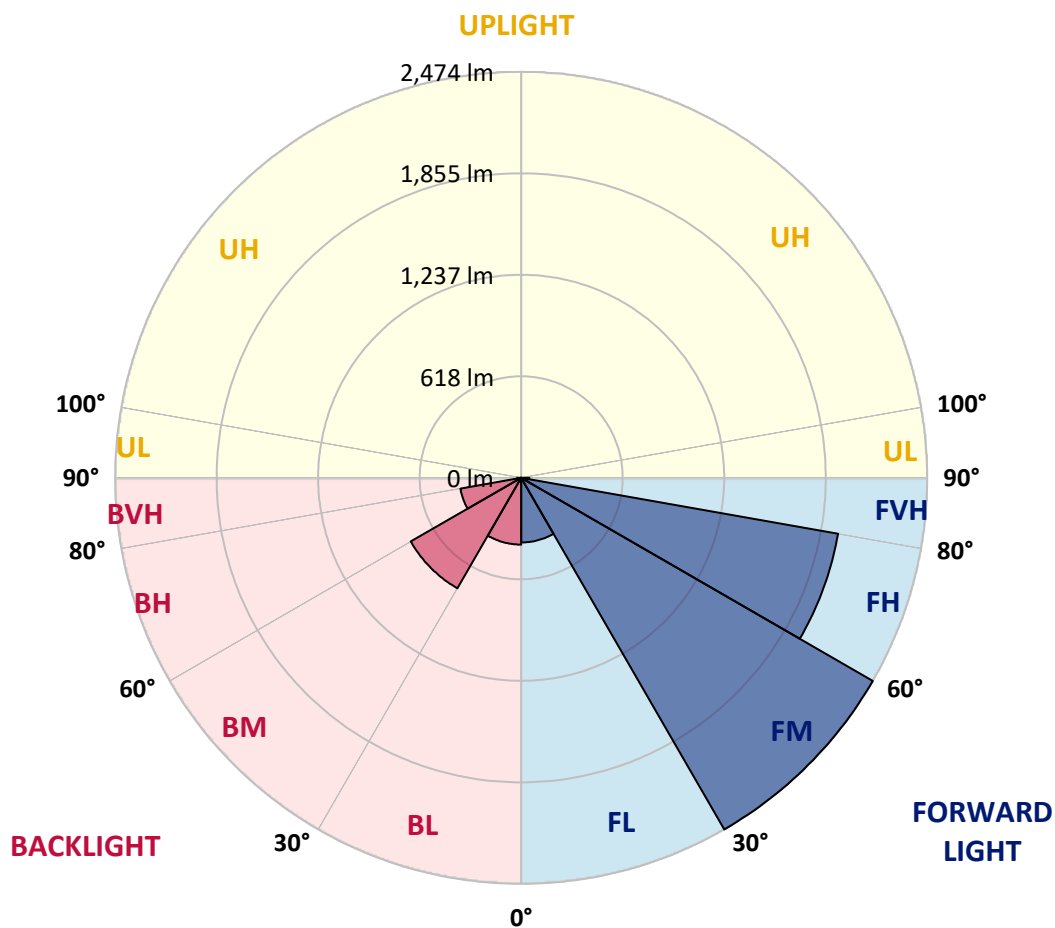
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	394.0	6.1			
FM	(30°-60°)	2473.9	38.3			
FH	(60°-80°)	1960.9	30.3			G2/5000
FVH	(80°-90°)	49.6	0.8			G1/100
BL	(0°-30°)	407.1	6.3	B1/500		
BM	(30°-60°)	777.2	12.0	B1/1000		
BH	(60°-80°)	376.1	5.8	B1/500		G1/500
BVH	(80°-90°)	24.2	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°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9
2.5°	720.9	719.2	723.4	727.6	736.7	747.6	762.6	775.1	776.7	800.1	818.4
5°	678.4	675.9	680.0	685.0	689.2	702.6	718.4	736.7	744.2	778.4	817.6
7.5°	682.5	681.7	683.4	681.7	681.7	687.5	698.4	716.7	725.1	765.9	821.7
10°	706.7	708.4	709.2	704.2	699.2	696.7	700.1	712.6	718.4	766.7	840.1
12.5°	746.7	749.2	750.1	740.9	734.2	723.4	717.6	722.6	726.7	775.1	865.9
15°	800.9	802.6	796.7	790.9	774.2	760.9	746.7	742.6	744.2	792.6	895.1
17.5°	864.2	861.7	861.7	847.6	825.9	805.1	781.7	778.4	778.4	820.9	936.7
20°	933.4	935.9	928.4	909.2	887.6	855.1	831.7	816.7	818.4	853.4	987.6
22.5°	1033.4	1037.6	1017.6	990.1	956.7	919.2	885.9	861.7	862.6	895.9	1040.1
25°	1140.9	1142.6	1130.1	1093.4	1048.4	995.1	950.9	920.1	919.2	943.4	1107.6
27.5°	1250.9	1258.4	1233.4	1198.4	1156.7	1090.1	1031.7	990.1	983.4	1015.9	1191.8
30°	1364.3	1373.4	1349.3	1315.1	1263.4	1206.8	1137.6	1089.2	1085.1	1128.4	1304.3
32.5°	1478.4	1480.9	1461.8	1433.4	1386.8	1333.4	1277.6	1224.3	1220.1	1290.9	1450.1
35°	1571.8	1579.3	1565.9	1559.3	1525.1	1475.9	1421.8	1390.9	1401.8	1492.6	1639.3
37.5°	1684.3	1691.8	1676.8	1675.1	1664.3	1621.8	1584.3	1586.8	1597.6	1721.0	1838.5
40°	1846.8	1855.1	1816.8	1800.1	1800.1	1758.5	1746.0	1805.1	1819.3	1946.0	2046.0
42.5°	1984.3	1997.6	1975.1	1964.3	1931.8	1902.6	1917.6	2001.0	2025.1	2161.0	2226.8
45°	2051.0	2061.0	2087.7	2119.3	2087.7	2036.8	2093.5	2187.7	2221.8	2359.3	2407.7
47.5°	2086.8	2096.0	2126.8	2211.8	2233.5	2191.0	2271.0	2388.5	2411.8	2556.0	2580.2
50°	2091.8	2121.0	2161.0	2246.0	2345.2	2351.0	2449.3	2592.7	2620.2	2749.4	2731.9
52.5°	2051.0	2062.6	2145.2	2288.5	2398.5	2498.5	2643.5	2788.5	2808.5	2931.0	2866.0
55°	1984.3	2001.0	2083.5	2278.5	2450.2	2638.5	2841.0	2981.0	3003.5	3107.7	2990.2
57.5°	1924.3	1932.6	2021.0	2249.3	2501.8	2778.5	3016.9	3181.9	3196.9	3262.7	3081.9
60°	1857.6	1866.8	1955.1	2186.8	2540.2	2884.4	3200.2	3384.4	3397.7	3426.1	3188.6
62.5°	1685.1	1709.3	1820.1	2083.5	2530.2	3005.2	3396.1	3584.4	3601.1	3570.3	3272.7
65°	1368.4	1402.6	1538.4	1849.3	2436.8	3083.6	3556.1	3768.6	3796.9	3678.6	3295.2
67.5°	1062.6	1086.7	1195.9	1467.6	2109.3	3044.4	3659.4	3895.3	3903.6	3661.1	3170.2
68°	1007.6	1031.7	1135.9	1387.6	2018.5	2997.7	3656.9	3898.6	3916.9	3641.9	3121.9
70°	770.9	798.4	897.6	1099.2	1626.8	2701.0	3504.4	3818.6	3816.1	3410.2	2821.9
72.5°	481.7	497.5	565.9	693.4	1075.9	2055.1	2974.4	3367.7	3374.4	2780.2	2164.3
75°	305.9	305.9	302.5	335.9	551.7	1170.9	2211.0	2592.7	2597.7	1946.8	1364.3
77.5°	265.9	258.4	222.5	188.3	220.0	455.0	1308.4	1674.3	1646.8	1048.4	647.5
80°	224.2	211.7	182.5	151.7	141.7	142.5	502.5	850.1	813.4	377.5	215.0
82.5°	161.7	150.8	137.5	119.2	109.2	85.0	105.0	245.9	240.0	109.2	70.0
85°	87.5	79.2	77.5	78.3	65.8	52.5	44.2	54.2	54.2	47.5	40.0
87.5°	30.8	22.5	26.7	30.0	25.8	21.7	17.5	20.8	21.7	20.8	19.2
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°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9
2.5°	829.2	837.6	857.6	875.1	887.6	898.4	904.2	906.7	912.6	913.4	911.7
5°	835.9	857.6	887.6	913.4	927.6	933.4	935.1	935.9	933.4	935.1	933.4
7.5°	853.4	880.9	923.4	945.9	948.4	939.2	940.1	936.7	940.1	943.4	943.4
10°	880.1	915.1	955.1	963.4	952.6	947.6	957.6	977.6	984.2	993.4	993.4
12.5°	915.1	956.7	985.1	977.6	967.6	984.2	1013.4	1033.4	1040.1	1043.4	1040.9
15°	955.1	1000.1	1014.2	989.2	1007.6	1043.4	1053.4	1041.7	1025.1	1017.6	1021.7
17.5°	1005.9	1043.4	1035.1	1018.4	1060.1	1065.1	1032.6	995.1	968.4	958.4	965.1
20°	1059.2	1091.7	1053.4	1060.9	1086.7	1033.4	971.7	923.4	900.1	895.9	902.6
22.5°	1115.9	1136.7	1071.7	1110.1	1071.7	963.4	889.2	864.2	858.4	865.1	870.9
25°	1180.1	1177.6	1103.4	1125.1	1015.9	877.6	833.4	831.7	831.7	835.9	844.2
27.5°	1252.6	1213.4	1135.1	1105.1	919.2	806.7	798.4	799.2	796.7	797.6	801.7
30°	1336.8	1261.8	1170.1	1039.2	810.9	753.4	750.1	747.6	741.7	740.1	741.7
32.5°	1442.6	1312.6	1205.9	930.9	715.9	698.4	696.7	683.4	669.2	667.5	673.4
35°	1576.8	1405.1	1224.3	795.1	637.5	636.7	630.9	610.0	591.7	591.7	587.5
37.5°	1730.1	1524.3	1231.8	662.5	572.5	576.7	560.0	533.4	519.2	510.9	513.4
40°	1886.8	1660.1	1230.9	546.7	515.9	516.7	504.2	471.7	436.7	415.9	420.9
42.5°	2037.6	1783.5	1209.3	485.0	470.0	467.5	457.5	413.4	384.2	367.5	368.4
45°	2158.5	1911.0	1175.9	448.4	428.4	432.5	410.0	383.4	356.7	341.7	340.9
47.5°	2279.3	2007.6	1122.6	425.9	397.5	390.0	380.9	362.5	342.5	325.9	326.7
50°	2389.3	2090.2	1072.6	410.9	369.2	350.0	351.7	340.9	323.4	308.4	307.5
52.5°	2466.8	2144.3	1045.1	402.5	335.0	314.2	320.0	314.2	297.5	286.7	285.9
55°	2544.3	2186.0	1054.2	391.7	297.5	280.9	290.9	289.2	280.0	276.7	277.5
57.5°	2606.9	2217.7	1086.7	371.7	261.7	251.7	268.4	263.4	256.7	257.5	257.5
60°	2667.7	2258.5	1125.1	325.9	230.8	231.7	247.5	238.4	234.2	241.7	242.5
62.5°	2731.0	2302.7	1093.4	259.2	204.2	210.0	228.3	220.8	222.5	233.4	236.7
65°	2723.5	2298.5	890.9	212.5	180.8	192.5	220.0	217.5	218.3	222.5	224.2
67.5°	2570.2	2151.8	612.5	180.8	164.2	178.3	213.3	203.3	204.2	201.7	202.5
68°	2518.5	2100.2	540.0	175.8	160.8	175.0	210.0	200.8	201.7	199.2	198.3
70°	2236.8	1798.5	341.7	155.0	149.2	165.8	193.3	190.0	189.2	187.5	187.5
72.5°	1705.1	1327.6	180.0	134.2	135.8	151.7	172.5	179.2	175.0	175.8	180.8
75°	1129.2	798.4	125.0	115.0	119.2	130.0	153.3	166.7	162.5	165.0	162.5
77.5°	597.5	430.0	100.0	97.5	97.5	105.0	126.7	147.5	147.5	145.8	143.3
80°	195.8	151.7	80.0	76.7	78.3	82.5	101.7	120.8	123.3	120.0	118.3
82.5°	65.8	70.0	60.0	55.8	57.5	60.8	76.7	92.5	93.3	86.7	85.0
85°	40.8	46.7	37.5	36.7	36.7	37.5	46.7	50.8	46.7	41.7	43.3
87.5°	19.2	23.3	17.5	15.0	12.5	10.8	8.3	3.3	3.3	1.7	1.7
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)