

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: P1210743

Luminaire Tested: **ARCH3-60-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210743
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: ARCH3-60-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8825 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 63.2
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



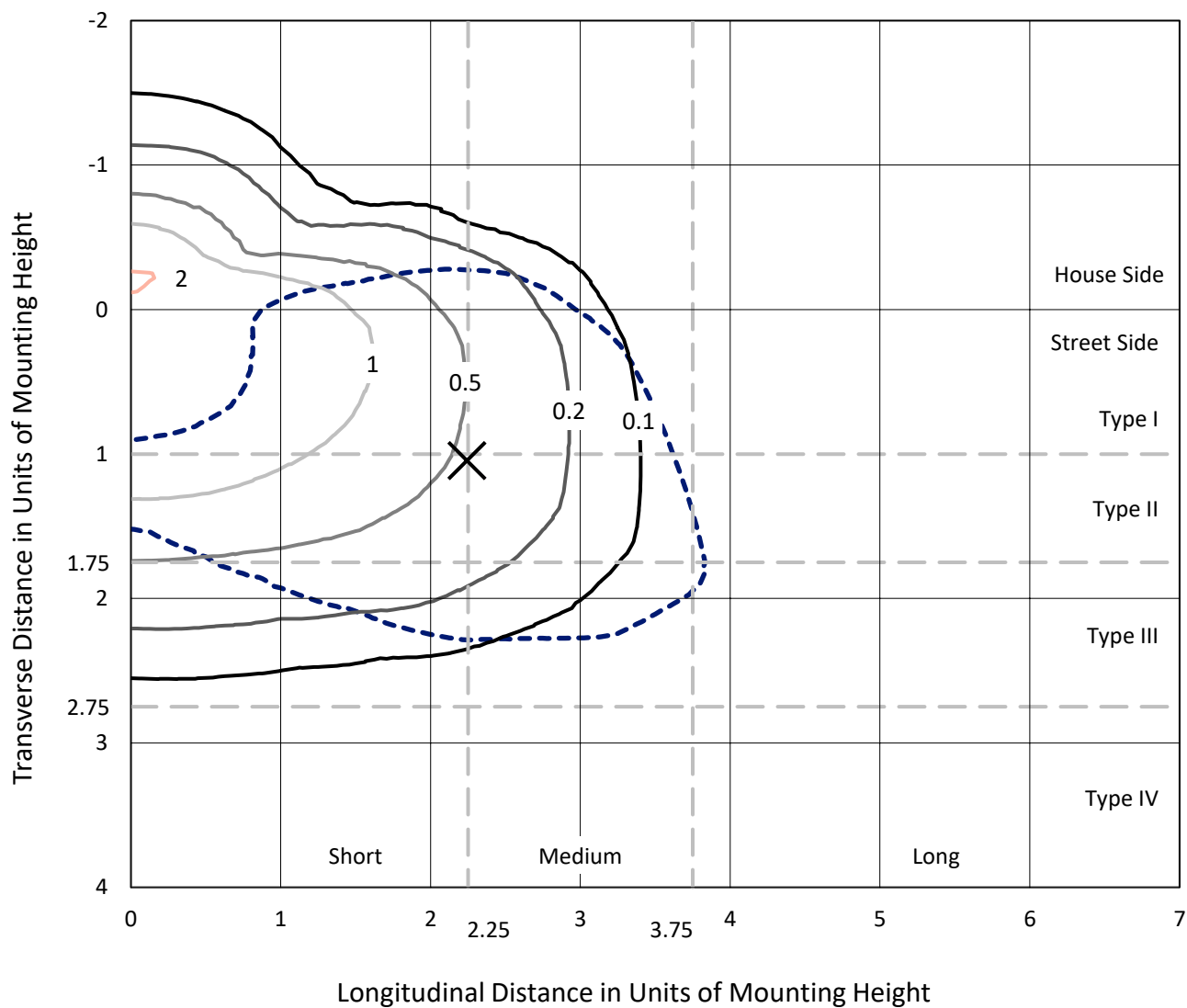
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

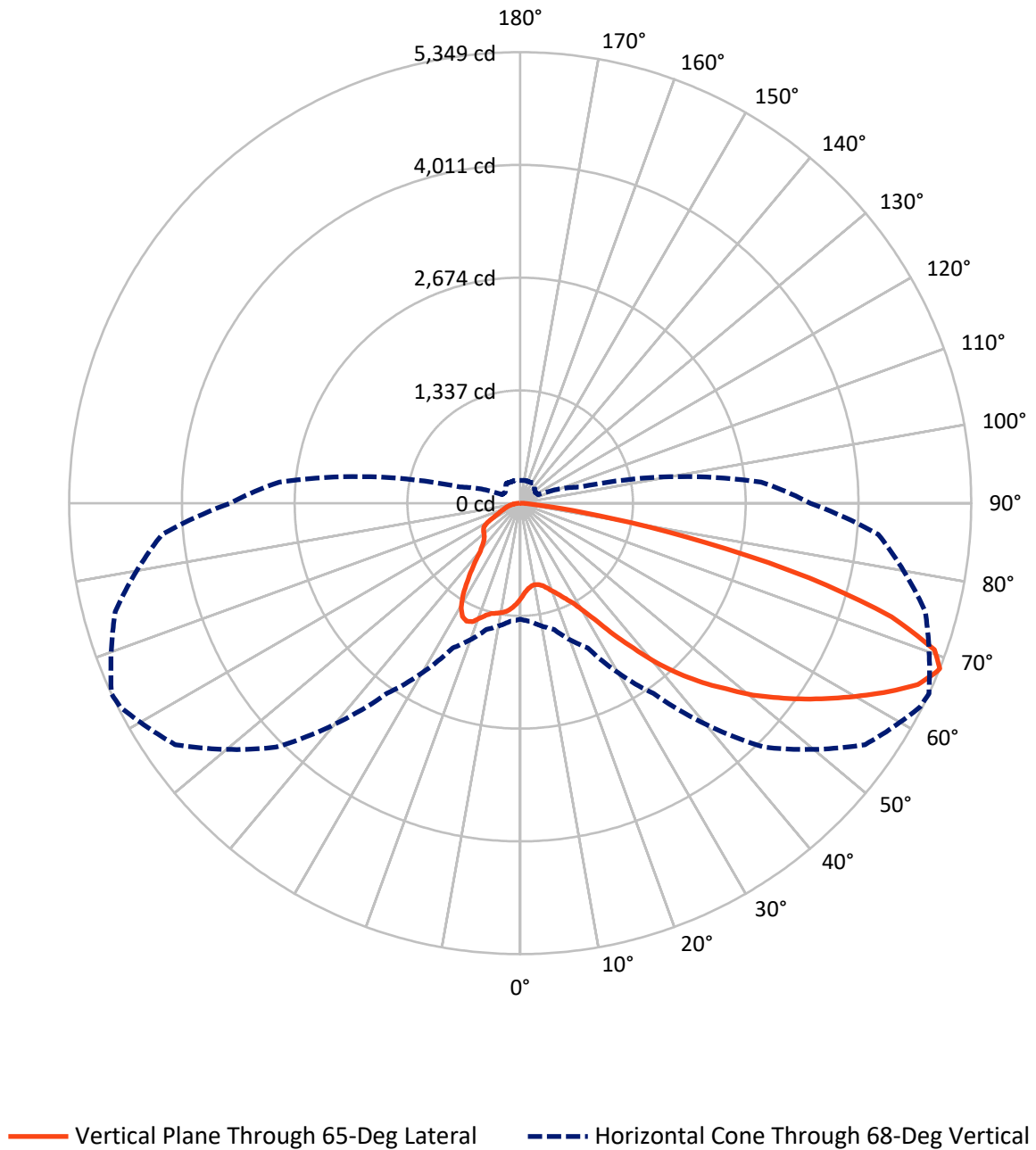
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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	2163.6	0.0	2163.6
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	6661.4	0.0	6661.4
	% Fixture	75.5	0.0	75.5
Total	Lumens	8825.0	0.0	8825.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	1.2
10°-20°	350.9	4.0
20°-30°	635.1	7.2
30°-40°	999.1	11.3
40°-50°	1488.1	16.9
50°-60°	1952.1	22.1
60°-70°	2134.7	24.2
70°-80°	1056.3	12.0
80°-90°	100.8	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°	8825.0	100.0
0°-180°	8825.0	100.0

Coefficient of Utilization



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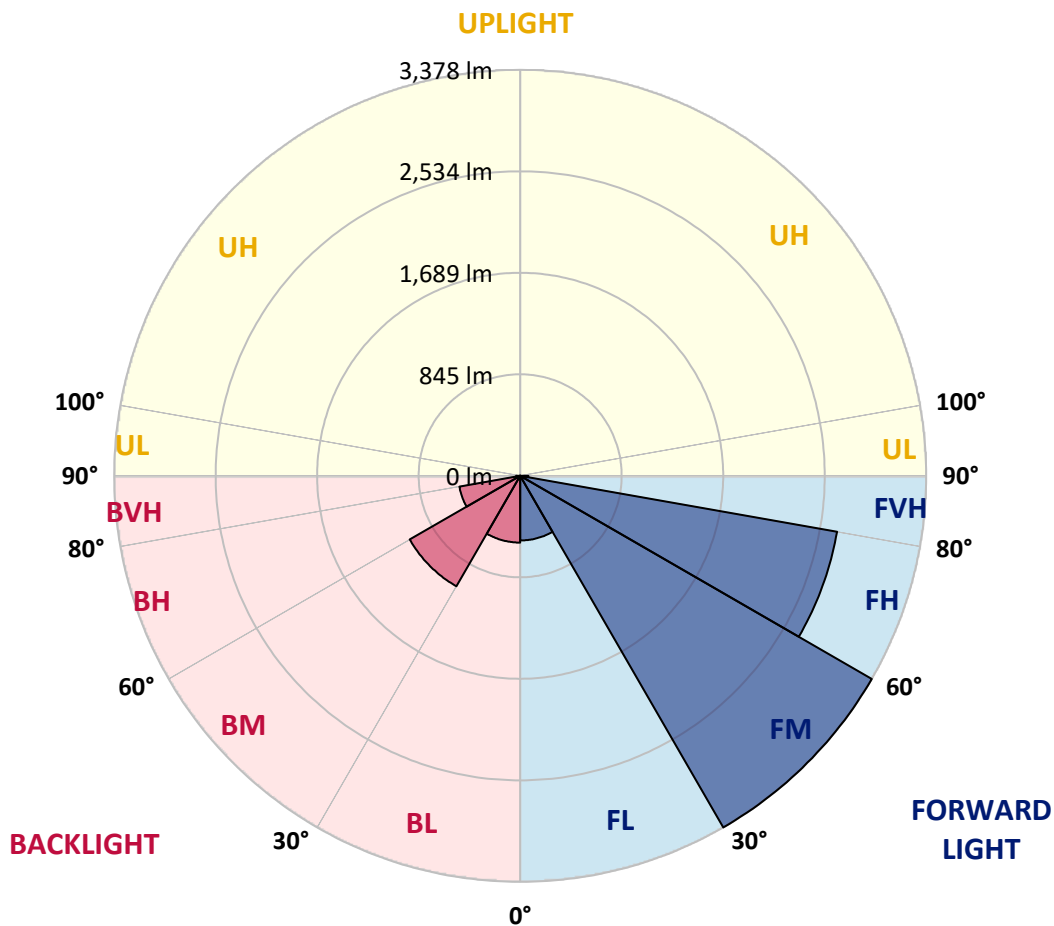
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	538.0	6.1			
FM	(30°-60°)	3378.1	38.3			
FH	(60°-80°)	2677.5	30.3			G2/5000
FVH	(80°-90°)	67.8	0.8			G1/100
BL	(0°-30°)	555.9	6.3	B2/1000		
BM	(30°-60°)	1061.2	12.0	B2/2500		
BH	(60°-80°)	513.5	5.8	B2/1000		G2/1000
BVH	(80°-90°)	33.0	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7
2.5°	984.3	982.1	987.8	993.4	1006.0	1020.8	1041.2	1058.3	1060.6	1092.5	1117.5
5°	926.3	922.9	928.6	935.4	941.1	959.3	980.9	1006.0	1016.2	1062.9	1116.3
7.5°	932.0	930.9	933.1	930.9	930.9	938.8	953.6	978.7	990.0	1045.8	1122.0
10°	965.0	967.3	968.4	961.6	954.8	951.3	955.9	973.0	980.9	1046.9	1147.1
12.5°	1019.6	1023.0	1024.2	1011.7	1002.6	987.8	979.8	986.6	992.3	1058.3	1182.4
15°	1093.6	1095.9	1087.9	1079.9	1057.2	1039.0	1019.6	1013.9	1016.2	1082.2	1222.2
17.5°	1180.1	1176.7	1176.7	1157.3	1127.7	1099.3	1067.4	1062.9	1062.9	1120.9	1279.1
20°	1274.5	1277.9	1267.7	1241.5	1211.9	1167.6	1135.7	1115.2	1117.5	1165.3	1348.5
22.5°	1411.1	1416.8	1389.5	1351.9	1306.4	1255.2	1209.7	1176.7	1177.8	1223.3	1420.2
25°	1557.9	1560.2	1543.1	1493.0	1431.6	1358.7	1298.4	1256.3	1255.2	1288.2	1512.4
27.5°	1708.1	1718.3	1684.2	1636.4	1579.5	1488.5	1408.8	1351.9	1342.8	1387.2	1627.3
30°	1862.9	1875.4	1842.4	1795.7	1725.2	1647.8	1553.3	1487.3	1481.6	1540.8	1780.9
32.5°	2018.8	2022.2	1996.0	1957.3	1893.6	1820.8	1744.5	1671.7	1666.0	1762.7	1980.1
35°	2146.2	2156.5	2138.2	2129.1	2082.5	2015.3	1941.4	1899.3	1914.1	2038.1	2238.4
37.5°	2299.8	2310.1	2289.6	2287.3	2272.5	2214.5	2163.3	2166.7	2181.5	2349.9	2510.4
40°	2521.7	2533.1	2480.8	2458.0	2458.0	2401.1	2384.0	2464.8	2484.2	2657.2	2793.7
42.5°	2709.5	2727.7	2697.0	2682.2	2637.8	2598.0	2618.5	2732.3	2765.3	2950.8	3040.7
45°	2800.5	2814.2	2850.6	2893.9	2850.6	2781.2	2858.6	2987.2	3033.8	3221.6	3287.6
47.5°	2849.5	2862.0	2904.1	3020.2	3049.8	2991.7	3101.0	3261.4	3293.3	3490.2	3523.2
50°	2856.3	2896.1	2950.8	3066.8	3202.2	3210.2	3344.5	3540.2	3577.8	3754.2	3730.3
52.5°	2800.5	2816.5	2929.1	3124.9	3275.1	3411.6	3609.6	3807.6	3835.0	4002.2	3913.5
55°	2709.5	2732.3	2844.9	3111.2	3345.6	3602.8	3879.3	4070.5	4101.2	4243.5	4083.0
57.5°	2627.6	2639.0	2759.6	3071.4	3416.2	3794.0	4119.4	4344.8	4365.3	4455.2	4208.2
60°	2536.5	2549.1	2669.7	2986.0	3468.5	3938.5	4369.8	4621.3	4639.5	4678.2	4353.9
62.5°	2301.0	2334.0	2485.3	2844.9	3454.9	4103.5	4637.2	4894.4	4917.2	4875.1	4468.8
65°	1868.5	1915.2	2100.7	2525.2	3327.4	4210.5	4855.7	5145.9	5184.6	5023.0	4499.5
67.5°	1450.9	1483.9	1633.0	2004.0	2880.2	4157.0	4996.8	5318.9	5330.2	4999.1	4328.8
68°	1375.8	1408.8	1551.1	1894.7	2756.2	4093.3	4993.4	5323.4	5348.5	4972.9	4262.8
70°	1052.6	1090.2	1225.6	1501.0	2221.3	3688.2	4785.2	5214.2	5210.8	4656.6	3853.2
72.5°	657.7	679.4	772.7	946.8	1469.1	2806.2	4061.4	4598.5	4607.6	3796.3	2955.3
75°	417.6	417.6	413.1	458.6	753.3	1598.8	3019.0	3540.2	3547.1	2658.3	1862.9
77.5°	363.0	352.8	303.8	257.2	300.4	621.3	1786.6	2286.2	2248.6	1431.6	884.2
80°	306.1	289.0	249.2	207.1	193.5	194.6	686.2	1160.7	1110.7	515.5	293.6
82.5°	220.8	206.0	187.8	162.7	149.1	116.1	143.4	335.7	327.7	149.1	95.6
85°	119.5	108.1	105.8	107.0	89.9	71.7	60.3	74.0	74.0	64.9	54.6
87.5°	42.1	30.7	36.4	41.0	35.3	29.6	23.9	28.4	29.6	28.4	26.2
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°	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7
2.5°	1132.3	1143.7	1171.0	1194.9	1211.9	1226.7	1234.7	1238.1	1246.1	1247.2	1244.9
5°	1141.4	1171.0	1211.9	1247.2	1266.6	1274.5	1276.8	1277.9	1274.5	1276.8	1274.5
7.5°	1165.3	1202.8	1260.9	1291.6	1295.0	1282.5	1283.6	1279.1	1283.6	1288.2	1288.2
10°	1201.7	1249.5	1304.1	1315.5	1300.7	1293.9	1307.5	1334.8	1343.9	1356.5	1356.5
12.5°	1249.5	1306.4	1345.1	1334.8	1321.2	1343.9	1383.8	1411.1	1420.2	1424.7	1421.3
15°	1304.1	1365.6	1384.9	1350.8	1375.8	1424.7	1438.4	1422.5	1399.7	1389.5	1395.2
17.5°	1373.5	1424.7	1413.4	1390.6	1447.5	1454.3	1409.9	1358.7	1322.3	1308.7	1317.8
20°	1446.4	1490.7	1438.4	1448.6	1483.9	1411.1	1326.9	1260.9	1229.0	1223.3	1232.4
22.5°	1523.7	1552.2	1463.4	1515.8	1463.4	1315.5	1214.2	1180.1	1172.1	1181.2	1189.2
25°	1611.4	1608.0	1506.7	1536.3	1387.2	1198.3	1138.0	1135.7	1135.7	1141.4	1152.8
27.5°	1710.4	1656.9	1549.9	1508.9	1255.2	1101.6	1090.2	1091.3	1087.9	1089.0	1094.7
30°	1825.3	1722.9	1597.7	1419.0	1107.2	1028.7	1024.2	1020.8	1012.8	1010.5	1012.8
32.5°	1969.8	1792.3	1646.6	1271.1	977.5	953.6	951.3	933.1	913.8	911.5	919.5
35°	2153.0	1918.6	1671.7	1085.6	870.5	869.4	861.4	833.0	808.0	808.0	802.3
37.5°	2362.4	2081.3	1681.9	904.7	781.8	787.5	764.7	728.3	709.0	697.6	701.0
40°	2576.4	2266.8	1680.8	746.5	704.4	705.5	688.5	644.1	596.3	567.8	574.7
42.5°	2782.3	2435.3	1651.2	662.3	641.8	638.4	624.7	564.4	524.6	501.8	503.0
45°	2947.3	2609.4	1605.7	612.2	584.9	590.6	559.9	523.5	487.1	466.6	465.4
47.5°	3112.3	2741.4	1532.8	581.5	542.8	532.6	520.1	495.0	467.7	444.9	446.1
50°	3262.6	2854.0	1464.6	561.0	504.1	477.9	480.2	465.4	441.5	421.0	419.9
52.5°	3368.4	2928.0	1427.0	549.6	457.5	429.0	437.0	429.0	406.3	391.5	390.3
55°	3474.2	2984.9	1439.5	534.8	406.3	383.5	397.2	394.9	382.4	377.8	378.9
57.5°	3559.6	3028.1	1483.9	507.5	357.3	343.7	366.4	359.6	350.5	351.6	351.6
60°	3642.6	3083.9	1536.3	444.9	315.2	316.4	338.0	325.5	319.8	330.0	331.1
62.5°	3729.1	3144.2	1493.0	353.9	278.8	286.8	311.8	301.6	303.8	318.6	323.2
65°	3718.9	3138.5	1216.5	290.2	246.9	262.9	300.4	297.0	298.1	303.8	306.1
67.5°	3509.5	2938.2	836.4	246.9	224.2	243.5	291.3	277.7	278.8	275.4	276.5
68°	3438.9	2867.7	737.4	240.1	219.6	239.0	286.8	274.3	275.4	272.0	270.8
70°	3054.3	2455.7	466.6	211.7	203.7	226.5	264.0	259.5	258.3	256.0	256.0
72.5°	2328.3	1812.8	245.8	183.2	185.5	207.1	235.6	244.7	239.0	240.1	246.9
75°	1541.9	1090.2	170.7	157.0	162.7	177.5	209.4	227.6	221.9	225.3	221.9
77.5°	815.9	587.2	136.6	133.1	133.1	143.4	173.0	201.4	201.4	199.1	195.7
80°	267.4	207.1	109.2	104.7	107.0	112.7	138.8	165.0	168.4	163.9	161.6
82.5°	89.9	95.6	81.9	76.2	78.5	83.1	104.7	126.3	127.5	118.3	116.1
85°	55.8	63.7	51.2	50.1	50.1	51.2	63.7	69.4	63.7	56.9	59.2
87.5°	26.2	31.9	23.9	20.5	17.1	14.8	11.4	4.6	4.6	2.3	2.3
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)