

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: P1211639

Luminaire Tested: **ARCH4-70-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211639
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: ARCH4-70-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 605mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10867 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 73.8
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

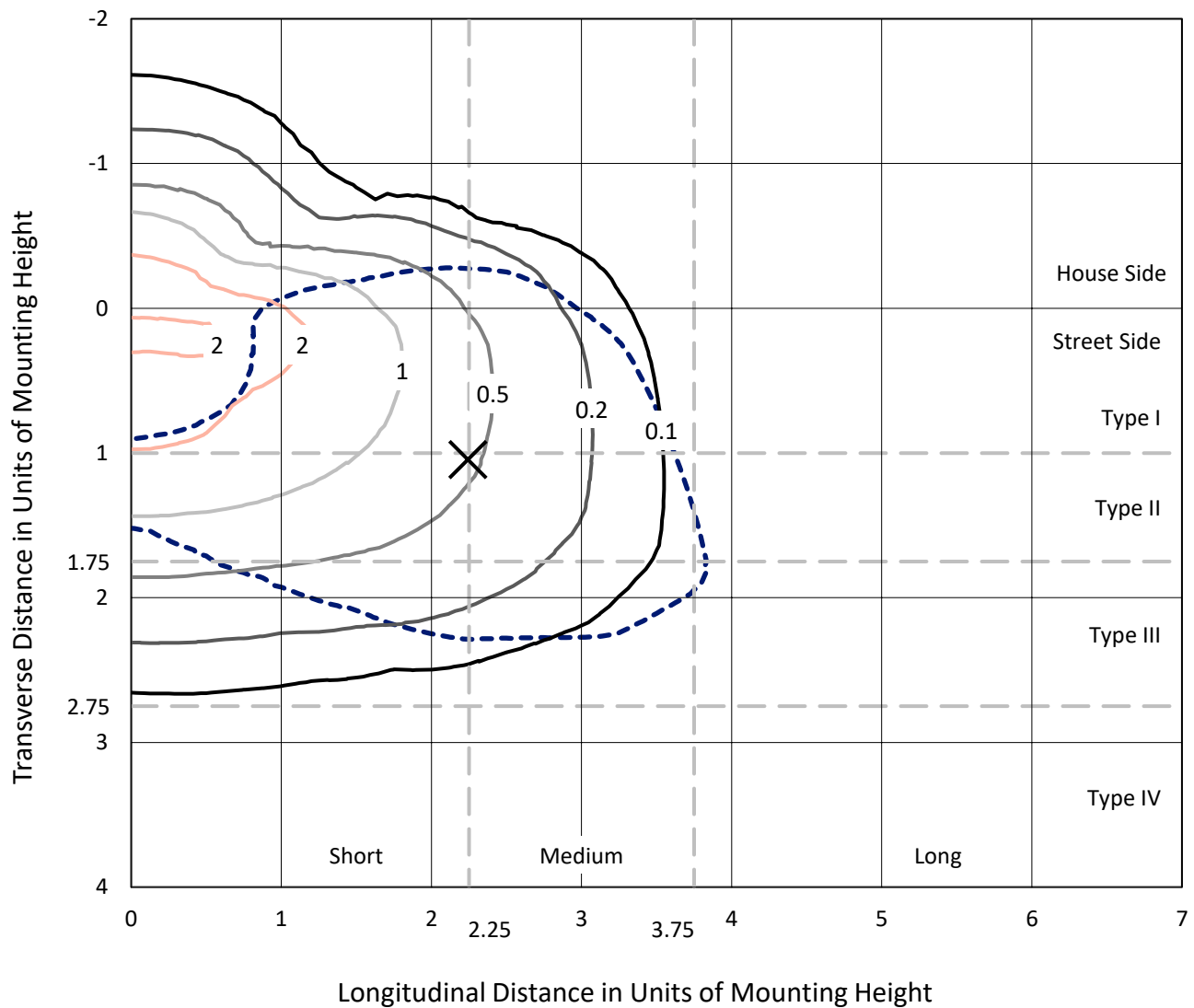


REPORT NUMBER: P1211639

CATALOG NUMBER: ARCH4-70-722-U-T3RE

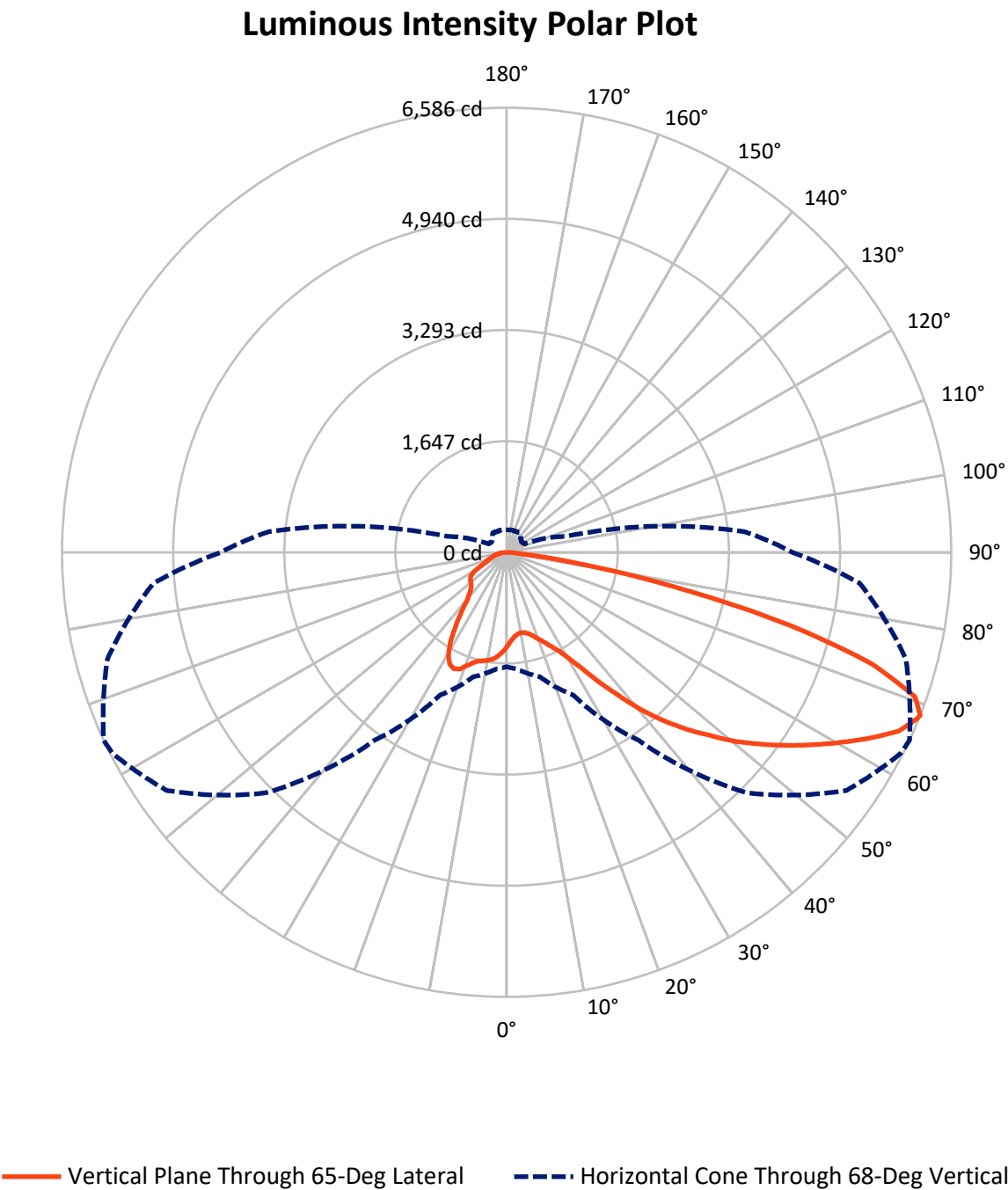
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type III - Short - N/A

REPORT NUMBER: P1211639
CATALOG NUMBER: ARCH4-70-722-U-T3RE



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2664.3	0.0	2664.3
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	8202.7	0.0	8202.7
	% Fixture	75.5	0.0	75.5
Total	Lumens	10867.0	0.0	10867.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	1.2
10°-20°	432.1	4.0
20°-30°	782.1	7.2
30°-40°	1230.3	11.3
40°-50°	1832.4	16.9
50°-60°	2403.8	22.1
60°-70°	2628.7	24.2
70°-80°	1300.8	12.0
80°-90°	124.1	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°	10867.0	100.0
0°-180°	10867.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211639

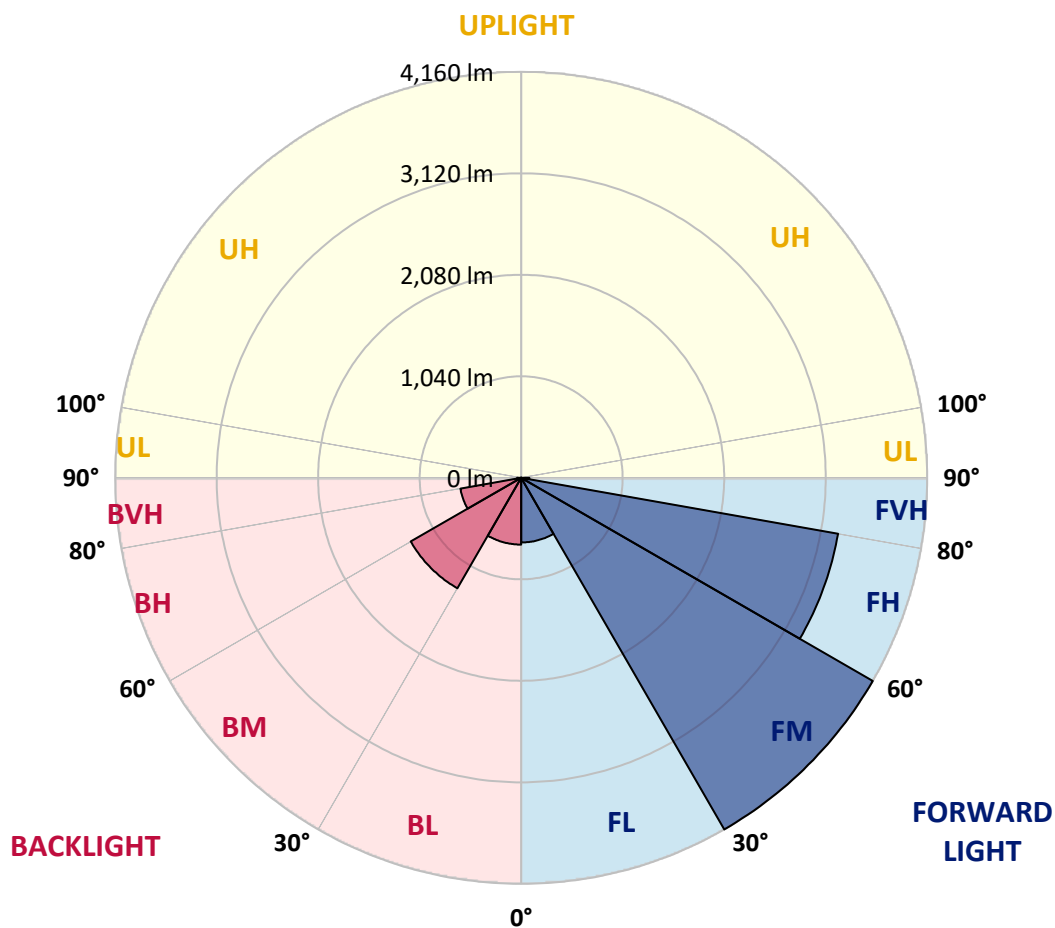
CATALOG NUMBER: ARCH4-70-722-U-T3RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	662.5	6.1			
FM	(30°-60°)	4159.7	38.3			
FH	(60°-80°)	3297.1	30.3			G2/5000
FVH	(80°-90°)	83.4	0.8			G1/100
BL	(0°-30°)	684.5	6.3	B2/1000		
BM	(30°-60°)	1306.8	12.0	B2/2500		
BH	(60°-80°)	632.4	5.8	B2/1000		G2/1000
BVH	(80°-90°)	40.6	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: P1211639

CATALOG NUMBER: ARCH4-70-722-U-T3RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1388.7	1388.7	1388.7	1388.7	1388.7	1388.7	1388.7	1388.7	1388.7	1388.7	1388.7
2.5°	1212.1	1209.3	1216.3	1223.3	1238.7	1256.9	1282.2	1303.2	1306.0	1345.2	1376.1
5°	1140.6	1136.4	1143.4	1151.9	1158.9	1181.3	1207.9	1238.7	1251.3	1308.8	1374.7
7.5°	1147.6	1146.2	1149.1	1146.2	1146.2	1156.1	1174.3	1205.1	1219.1	1287.8	1381.7
10°	1188.3	1191.1	1192.5	1184.1	1175.7	1171.5	1177.1	1198.1	1207.9	1289.2	1412.5
12.5°	1255.5	1259.8	1261.2	1245.7	1234.5	1216.3	1206.5	1214.9	1221.9	1303.2	1455.9
15°	1346.6	1349.4	1339.6	1329.8	1301.8	1279.4	1255.5	1248.5	1251.3	1332.6	1505.0
17.5°	1453.1	1448.9	1448.9	1425.1	1388.7	1353.6	1314.4	1308.8	1308.8	1380.3	1575.0
20°	1569.4	1573.6	1561.0	1528.8	1492.4	1437.7	1398.5	1373.3	1376.1	1434.9	1660.5
22.5°	1737.6	1744.6	1711.0	1664.7	1608.7	1545.6	1489.6	1448.9	1450.3	1506.4	1748.8
25°	1918.4	1921.2	1900.1	1838.5	1762.8	1673.1	1598.9	1547.0	1545.6	1586.3	1862.3
27.5°	2103.3	2115.9	2073.9	2015.0	1945.0	1832.9	1734.8	1664.7	1653.5	1708.2	2003.8
30°	2293.9	2309.3	2268.7	2211.2	2124.3	2029.1	1912.7	1831.5	1824.5	1897.3	2193.0
32.5°	2485.9	2490.1	2457.8	2410.2	2331.7	2242.1	2148.2	2058.5	2051.5	2170.6	2438.2
35°	2642.8	2655.4	2633.0	2621.8	2564.3	2481.7	2390.6	2338.7	2357.0	2509.7	2756.3
37.5°	2832.0	2844.6	2819.4	2816.6	2798.4	2726.9	2663.8	2668.0	2686.3	2893.6	3091.2
40°	3105.2	3119.3	3054.8	3026.8	3026.8	2956.7	2935.7	3035.2	3059.0	3272.0	3440.1
42.5°	3336.5	3358.9	3321.0	3302.8	3248.2	3199.1	3224.3	3364.5	3405.1	3633.5	3744.2
45°	3448.6	3465.4	3510.2	3563.5	3510.2	3424.7	3520.0	3678.4	3735.8	3967.0	4048.3
47.5°	3508.8	3524.2	3576.1	3719.0	3755.4	3684.0	3818.5	4016.1	4055.3	4297.7	4338.4
50°	3517.2	3566.3	3633.5	3776.5	3943.2	3953.0	4118.4	4359.4	4405.6	4622.8	4593.4
52.5°	3448.6	3468.2	3606.9	3847.9	4032.9	4201.0	4444.9	4688.7	4722.3	4928.3	4819.0
55°	3336.5	3364.5	3503.2	3831.1	4119.8	4436.5	4777.0	5012.4	5050.2	5225.4	5027.8
57.5°	3235.6	3249.6	3398.1	3782.1	4206.6	4671.9	5072.6	5350.1	5375.3	5486.0	5181.9
60°	3123.5	3138.9	3287.4	3677.0	4271.1	4849.8	5380.9	5690.6	5713.0	5760.7	5361.3
62.5°	2833.4	2874.0	3060.4	3503.2	4254.3	5053.0	5710.2	6026.9	6054.9	6003.1	5502.8
65°	2300.9	2358.4	2586.8	3109.4	4097.3	5184.7	5979.3	6336.6	6384.2	6185.3	5540.7
67.5°	1786.6	1827.3	2010.8	2467.7	3546.6	5118.9	6153.0	6549.6	6563.6	6155.8	5330.5
68°	1694.1	1734.8	1909.9	2333.1	3393.9	5040.4	6148.8	6555.2	6586.0	6123.6	5249.2
70°	1296.2	1342.4	1509.2	1848.3	2735.3	4541.6	5892.4	6420.7	6416.5	5734.0	4744.7
72.5°	809.9	836.6	951.5	1165.9	1809.1	3455.6	5001.2	5662.6	5673.8	4674.7	3639.1
75°	514.3	514.3	508.7	564.7	927.6	1968.8	3717.6	4359.4	4367.8	3273.4	2293.9
77.5°	447.0	434.4	374.1	316.7	369.9	765.1	2200.0	2815.2	2768.9	1762.8	1088.8
80°	376.9	355.9	306.9	255.0	238.2	239.6	845.0	1429.3	1367.7	634.8	361.5
82.5°	271.8	253.6	231.2	200.4	183.6	142.9	176.6	413.4	403.6	183.6	117.7
85°	147.1	133.1	130.3	131.7	110.7	88.3	74.3	91.1	91.1	79.9	67.3
87.5°	51.8	37.8	44.8	50.4	43.4	36.4	29.4	35.0	36.4	35.0	32.2
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: P1211639

CATALOG NUMBER: ARCH4-70-722-U-T3RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1388.7	1388.7	1388.7	1388.7	1388.7	1388.7	1388.7	1388.7	1388.7	1388.7	1388.7
2.5°	1394.3	1408.3	1441.9	1471.3	1492.4	1510.6	1520.4	1524.6	1534.4	1535.8	1533.0
5°	1405.5	1441.9	1492.4	1535.8	1559.6	1569.4	1572.2	1573.6	1569.4	1572.2	1569.4
7.5°	1434.9	1481.2	1552.6	1590.5	1594.7	1579.2	1580.6	1575.0	1580.6	1586.3	1586.3
10°	1479.8	1538.6	1605.9	1619.9	1601.7	1593.3	1610.1	1643.7	1654.9	1670.3	1670.3
12.5°	1538.6	1608.7	1656.3	1643.7	1626.9	1654.9	1704.0	1737.6	1748.8	1754.4	1750.2
15°	1605.9	1681.5	1705.4	1663.3	1694.1	1754.4	1771.2	1751.6	1723.6	1711.0	1718.0
17.5°	1691.3	1754.4	1740.4	1712.4	1782.4	1790.8	1736.2	1673.1	1628.3	1611.5	1622.7
20°	1781.0	1835.7	1771.2	1783.8	1827.3	1737.6	1633.9	1552.6	1513.4	1506.4	1517.6
22.5°	1876.3	1911.3	1802.0	1866.5	1802.0	1619.9	1495.2	1453.1	1443.3	1454.5	1464.3
25°	1984.2	1980.0	1855.3	1891.7	1708.2	1475.5	1401.3	1398.5	1398.5	1405.5	1419.5
27.5°	2106.1	2040.3	1908.5	1858.1	1545.6	1356.4	1342.4	1343.8	1339.6	1341.0	1348.0
30°	2247.7	2121.5	1967.4	1747.4	1363.4	1266.8	1261.2	1256.9	1247.1	1244.3	1247.1
32.5°	2425.6	2207.0	2027.7	1565.2	1203.7	1174.3	1171.5	1149.1	1125.2	1122.4	1132.2
35°	2651.2	2362.6	2058.5	1336.8	1072.0	1070.6	1060.8	1025.7	994.9	994.9	987.9
37.5°	2909.1	2562.9	2071.1	1114.0	962.7	969.7	941.7	896.8	873.0	859.0	863.2
40°	3172.5	2791.4	2069.7	919.2	867.4	868.8	847.8	793.1	734.3	699.2	707.6
42.5°	3426.1	2998.7	2033.3	815.5	790.3	786.1	769.3	695.0	646.0	618.0	619.4
45°	3629.3	3213.1	1977.2	753.9	720.3	727.3	689.4	644.6	599.7	574.5	573.1
47.5°	3832.5	3375.7	1887.5	716.1	668.4	655.8	640.4	609.6	575.9	547.9	549.3
50°	4017.5	3514.4	1803.4	690.8	620.8	588.5	591.3	573.1	543.7	518.5	517.1
52.5°	4147.8	3605.5	1757.2	676.8	563.3	528.3	538.1	528.3	500.3	482.0	480.6
55°	4278.1	3675.6	1772.6	658.6	500.3	472.2	489.0	486.2	470.8	465.2	466.6
57.5°	4383.2	3728.8	1827.3	625.0	440.0	423.2	451.2	442.8	431.6	433.0	433.0
60°	4485.5	3797.5	1891.7	547.9	388.2	389.6	416.2	400.8	393.8	406.4	407.8
62.5°	4592.0	3871.7	1838.5	435.8	343.3	353.1	384.0	371.3	374.1	392.4	398.0
65°	4579.4	3864.7	1498.0	357.3	304.1	323.7	369.9	365.7	367.1	374.1	376.9
67.5°	4321.6	3618.1	1029.9	304.1	276.1	299.9	358.7	341.9	343.3	339.1	340.5
68°	4234.7	3531.2	908.0	295.7	270.4	294.3	353.1	337.7	339.1	334.9	333.5
70°	3761.0	3024.0	574.5	260.6	250.8	278.9	325.1	319.5	318.1	315.3	315.3
72.5°	2867.0	2232.2	302.7	225.6	228.4	255.0	290.1	301.3	294.3	295.7	304.1
75°	1898.7	1342.4	210.2	193.4	200.4	218.6	257.8	280.3	273.2	277.5	273.2
77.5°	1004.7	723.1	168.2	163.9	163.9	176.6	213.0	248.0	248.0	245.2	241.0
80°	329.3	255.0	134.5	128.9	131.7	138.7	171.0	203.2	207.4	201.8	199.0
82.5°	110.7	117.7	100.9	93.9	96.7	102.3	128.9	155.5	156.9	145.7	142.9
85°	68.7	78.5	63.1	61.7	61.7	63.1	78.5	85.5	78.5	70.1	72.9
87.5°	32.2	39.2	29.4	25.2	21.0	18.2	14.0	5.6	5.6	2.8	2.8
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)