

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: P1210807

Luminaire Tested: **ARCH3-80-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210807
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: ARCH3-80-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 650mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11110 lumens
Efficiency: N/A
Efficacy: 135.7 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): 81.9
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

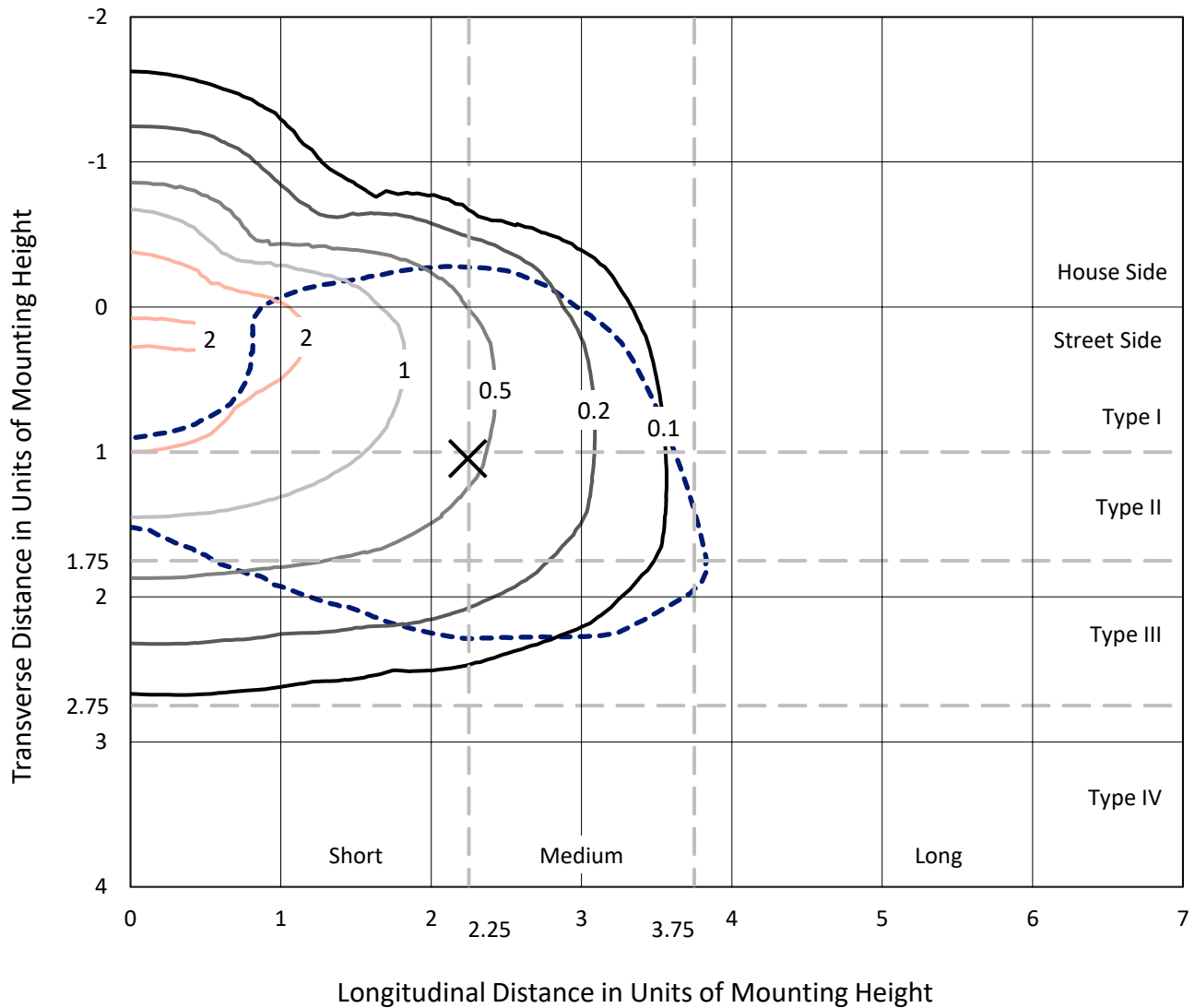


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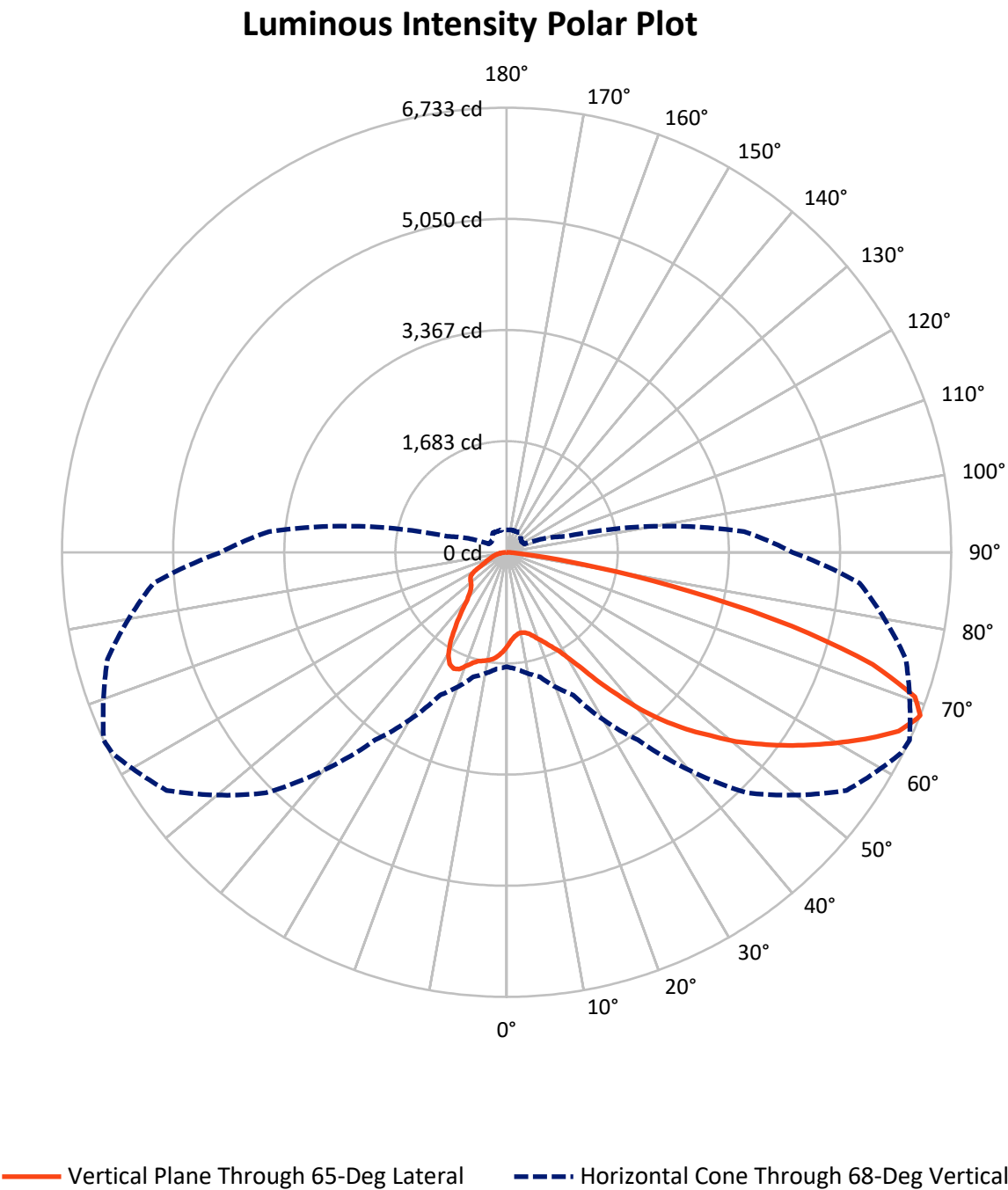
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2723.8	0.0	2723.8
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	8386.2	0.0	8386.2
	% Fixture	75.5	0.0	75.5
Total	Lumens	11110.0	0.0	11110.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.7	1.2
10°-20°	441.8	4.0
20°-30°	799.6	7.2
30°-40°	1257.8	11.3
40°-50°	1873.4	16.9
50°-60°	2457.5	22.1
60°-70°	2687.5	24.2
70°-80°	1329.8	12.0
80°-90°	126.9	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°	11110.0	100.0
0°-180°	11110.0	100.0

Coefficient of Utilization



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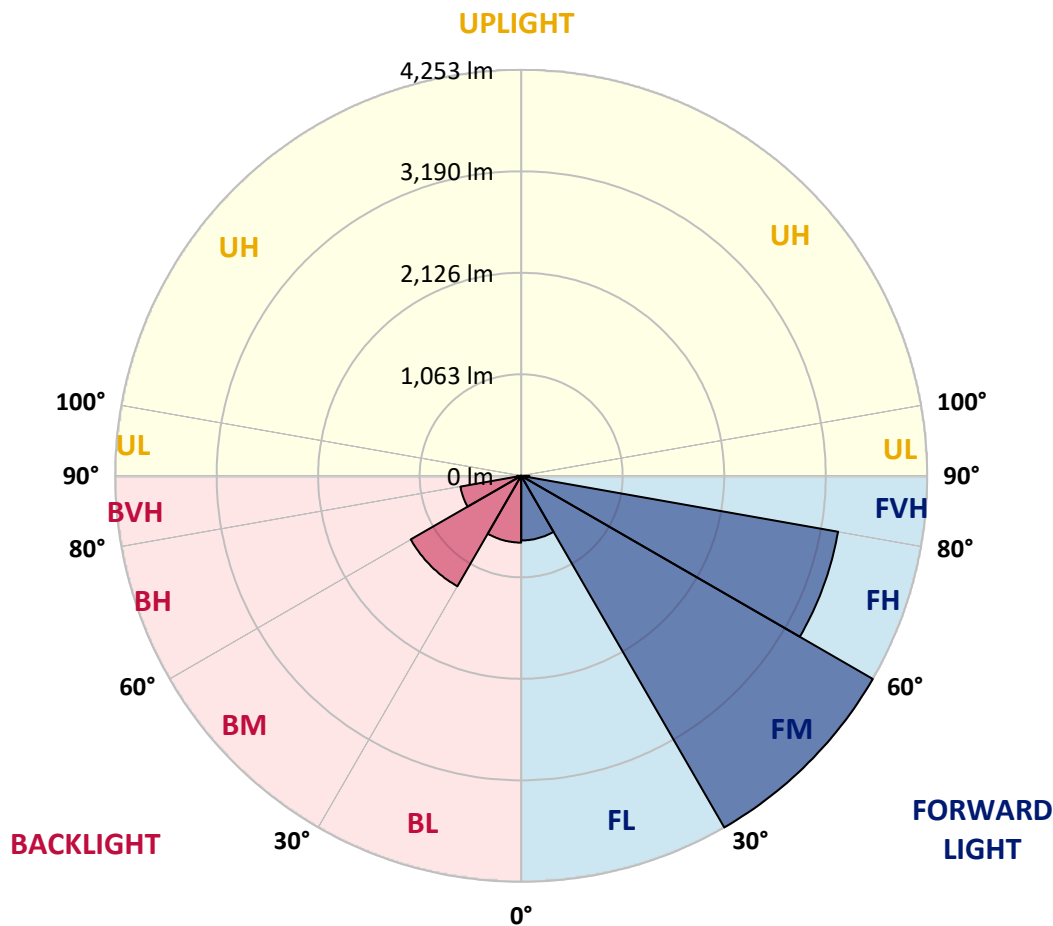
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	677.3	6.1			
FM	(30°-60°)	4252.8	38.3			
FH	(60°-80°)	3370.8	30.3			G2/5000
FVH	(80°-90°)	85.3	0.8			G1/100
BL	(0°-30°)	699.8	6.3	B2/1000		
BM	(30°-60°)	1336.0	12.0	B2/2500		
BH	(60°-80°)	646.5	5.8	B2/1000		G2/1000
BVH	(80°-90°)	41.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1419.7	1419.7	1419.7	1419.7	1419.7	1419.7	1419.7	1419.7	1419.7	1419.7	1419.7
2.5°	1239.2	1236.3	1243.5	1250.7	1266.4	1285.1	1310.8	1332.3	1335.2	1375.3	1406.8
5°	1166.1	1161.9	1169.0	1177.6	1184.8	1207.7	1234.9	1266.4	1279.3	1338.1	1405.4
7.5°	1173.3	1171.9	1174.7	1171.9	1171.9	1181.9	1200.5	1232.1	1246.4	1316.6	1412.6
10°	1214.9	1217.7	1219.2	1210.6	1202.0	1197.7	1203.4	1224.9	1234.9	1318.0	1444.1
12.5°	1283.6	1287.9	1289.4	1273.6	1262.1	1243.5	1233.5	1242.1	1249.2	1332.3	1488.5
15°	1376.7	1379.6	1369.6	1359.6	1330.9	1308.0	1283.6	1276.5	1279.3	1362.4	1538.6
17.5°	1485.6	1481.3	1481.3	1457.0	1419.7	1383.9	1343.8	1338.1	1338.1	1411.1	1610.3
20°	1604.5	1608.8	1595.9	1563.0	1525.7	1469.9	1429.8	1404.0	1406.8	1467.0	1697.7
22.5°	1776.4	1783.6	1749.2	1701.9	1644.6	1580.2	1522.9	1481.3	1482.8	1540.1	1787.9
25°	1961.3	1964.1	1942.6	1879.6	1802.2	1710.5	1634.6	1581.6	1580.2	1621.7	1903.9
27.5°	2150.4	2163.3	2120.3	2060.1	1988.5	1873.9	1773.6	1701.9	1690.5	1746.4	2048.6
30°	2345.2	2361.0	2319.4	2260.7	2171.8	2074.4	1955.5	1872.4	1865.3	1939.8	2242.0
32.5°	2541.5	2545.8	2512.8	2464.1	2383.9	2292.2	2196.2	2104.5	2097.4	2219.1	2492.8
35°	2701.9	2714.8	2691.9	2680.4	2621.7	2537.2	2444.0	2391.0	2409.7	2565.8	2818.0
37.5°	2895.3	2908.2	2882.4	2879.6	2860.9	2787.9	2723.4	2727.7	2746.3	2958.4	3160.4
40°	3174.7	3189.0	3123.1	3094.5	3094.5	3022.8	3001.3	3103.0	3127.4	3345.2	3517.1
42.5°	3411.1	3434.0	3395.3	3376.7	3320.8	3270.7	3296.5	3439.7	3481.3	3714.8	3828.0
45°	3525.7	3542.9	3588.7	3643.1	3588.7	3501.3	3598.7	3760.6	3819.4	4055.7	4138.8
47.5°	3587.3	3603.0	3656.0	3802.2	3839.4	3766.3	3903.9	4105.9	4146.0	4393.8	4435.4
50°	3595.9	3646.0	3714.8	3860.9	4031.4	4041.4	4210.5	4456.9	4504.1	4726.2	4696.1
52.5°	3525.7	3545.7	3687.6	3934.0	4123.1	4295.0	4544.3	4793.5	4827.9	5038.5	4926.8
55°	3411.1	3439.7	3581.5	3916.8	4211.9	4535.7	4883.8	5124.5	5163.1	5342.2	5140.2
57.5°	3307.9	3322.2	3474.1	3866.6	4300.7	4776.3	5186.1	5469.7	5495.5	5608.7	5297.8
60°	3193.3	3209.1	3360.9	3759.2	4366.6	4958.3	5501.2	5817.9	5840.8	5889.5	5481.2
62.5°	2896.8	2938.3	3128.8	3581.5	4349.4	5166.0	5837.9	6161.7	6190.3	6137.3	5625.9
65°	2352.4	2411.1	2644.6	3179.0	4189.0	5300.7	6113.0	6478.3	6527.0	6323.6	5664.6
67.5°	1826.6	1868.1	2055.8	2522.8	3626.0	5233.3	6290.6	6696.0	6710.4	6293.5	5449.7
68°	1732.0	1773.6	1952.7	2385.3	3469.8	5153.1	6286.3	6701.8	6733.3	6260.5	5366.6
70°	1325.2	1372.4	1542.9	1889.6	2796.5	4643.1	6024.2	6564.2	6560.0	5862.3	4850.8
72.5°	828.1	855.3	972.7	1191.9	1849.5	3532.8	5113.0	5789.2	5800.7	4779.2	3720.5
75°	525.8	525.8	520.0	577.3	948.4	2012.8	3800.7	4456.9	4465.5	3346.6	2345.2
77.5°	457.0	444.1	382.5	323.8	378.2	782.2	2249.2	2878.1	2830.9	1802.2	1113.1
80°	385.4	363.9	313.7	260.7	243.5	245.0	863.9	1461.3	1398.2	649.0	369.6
82.5°	277.9	259.3	236.4	204.9	187.7	146.1	180.5	422.6	412.6	187.7	120.3
85°	150.4	136.1	133.2	134.7	113.2	90.3	75.9	93.1	93.1	81.7	68.8
87.5°	53.0	38.7	45.8	51.6	44.4	37.2	30.1	35.8	37.2	35.8	33.0
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°	1419.7	1419.7	1419.7	1419.7	1419.7	1419.7	1419.7	1419.7	1419.7	1419.7	1419.7
2.5°	1425.5	1439.8	1474.2	1504.2	1525.7	1544.4	1554.4	1558.7	1568.7	1570.1	1567.3
5°	1436.9	1474.2	1525.7	1570.1	1594.5	1604.5	1607.4	1608.8	1604.5	1607.4	1604.5
7.5°	1467.0	1514.3	1587.3	1626.0	1630.3	1614.6	1616.0	1610.3	1616.0	1621.7	1621.7
10°	1512.8	1573.0	1641.8	1656.1	1637.5	1628.9	1646.1	1680.5	1691.9	1707.7	1707.7
12.5°	1573.0	1644.6	1693.4	1680.5	1663.3	1691.9	1742.1	1776.4	1787.9	1793.6	1789.3
15°	1641.8	1719.1	1743.5	1700.5	1732.0	1793.6	1810.8	1790.8	1762.1	1749.2	1756.4
17.5°	1729.2	1793.6	1779.3	1750.7	1822.3	1830.9	1775.0	1710.5	1664.7	1647.5	1659.0
20°	1820.9	1876.7	1810.8	1823.7	1868.1	1776.4	1670.4	1587.3	1547.2	1540.1	1551.5
22.5°	1918.3	1954.1	1842.3	1908.2	1842.3	1656.1	1528.6	1485.6	1475.6	1487.1	1497.1
25°	2028.6	2024.3	1896.8	1934.0	1746.4	1508.5	1432.6	1429.8	1429.8	1436.9	1451.2
27.5°	2153.2	2085.9	1951.2	1899.6	1580.2	1386.8	1372.4	1373.9	1369.6	1371.0	1378.2
30°	2297.9	2169.0	2011.4	1786.5	1393.9	1295.1	1289.4	1285.1	1275.0	1272.2	1275.0
32.5°	2479.9	2256.4	2073.0	1600.2	1230.6	1200.5	1197.7	1174.7	1150.4	1147.5	1157.6
35°	2710.5	2415.4	2104.5	1366.7	1096.0	1094.5	1084.5	1048.7	1017.2	1017.2	1010.0
37.5°	2974.1	2620.3	2117.4	1138.9	984.2	991.4	962.7	916.9	892.5	878.2	882.5
40°	3243.4	2853.8	2116.0	939.8	886.8	888.2	866.7	810.9	750.7	714.9	723.5
42.5°	3502.7	3065.8	2078.7	833.8	808.0	803.7	786.5	710.6	660.4	631.8	633.2
45°	3710.5	3285.0	2021.4	770.7	736.4	743.5	704.8	659.0	613.2	587.4	585.9
47.5°	3918.2	3451.2	1929.7	732.1	683.4	670.5	654.7	623.2	588.8	560.2	561.6
50°	4107.3	3593.0	1843.8	706.3	634.6	601.7	604.6	585.9	555.9	530.1	528.6
52.5°	4240.5	3686.1	1796.5	692.0	575.9	540.1	550.1	540.1	511.4	492.8	491.4
55°	4373.8	3757.8	1812.3	673.3	511.4	482.8	500.0	497.1	481.4	475.6	477.1
57.5°	4481.2	3812.2	1868.1	638.9	449.8	432.7	461.3	452.7	441.2	442.7	442.7
60°	4585.8	3882.4	1934.0	560.2	396.8	398.3	425.5	409.7	402.6	415.5	416.9
62.5°	4694.7	3958.3	1879.6	445.5	351.0	361.0	392.5	379.6	382.5	401.1	406.9
65°	4681.8	3951.2	1531.5	365.3	310.9	330.9	378.2	373.9	375.3	382.5	385.4
67.5°	4418.2	3699.0	1053.0	310.9	282.2	306.6	366.7	349.6	351.0	346.7	348.1
68°	4329.4	3610.2	928.3	302.3	276.5	300.8	361.0	345.3	346.7	342.4	341.0
70°	3845.1	3091.6	587.4	266.5	256.4	285.1	332.4	326.6	325.2	322.3	322.3
72.5°	2931.1	2282.2	309.4	230.7	233.5	260.7	296.6	308.0	300.8	302.3	310.9
75°	1941.2	1372.4	214.9	197.7	204.9	223.5	263.6	286.5	279.4	283.7	279.4
77.5°	1027.2	739.2	171.9	167.6	167.6	180.5	217.8	253.6	253.6	250.7	246.4
80°	336.7	260.7	137.5	131.8	134.7	141.8	174.8	207.7	212.0	206.3	203.4
82.5°	113.2	120.3	103.1	96.0	98.9	104.6	131.8	159.0	160.5	149.0	146.1
85°	70.2	80.2	64.5	63.0	63.0	64.5	80.2	87.4	80.2	71.6	74.5
87.5°	33.0	40.1	30.1	25.8	21.5	18.6	14.3	5.7	5.7	2.9	2.9
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)