

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: P1210741

Luminaire Tested: **ARCH3-60-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210741
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-60-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8844 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - 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

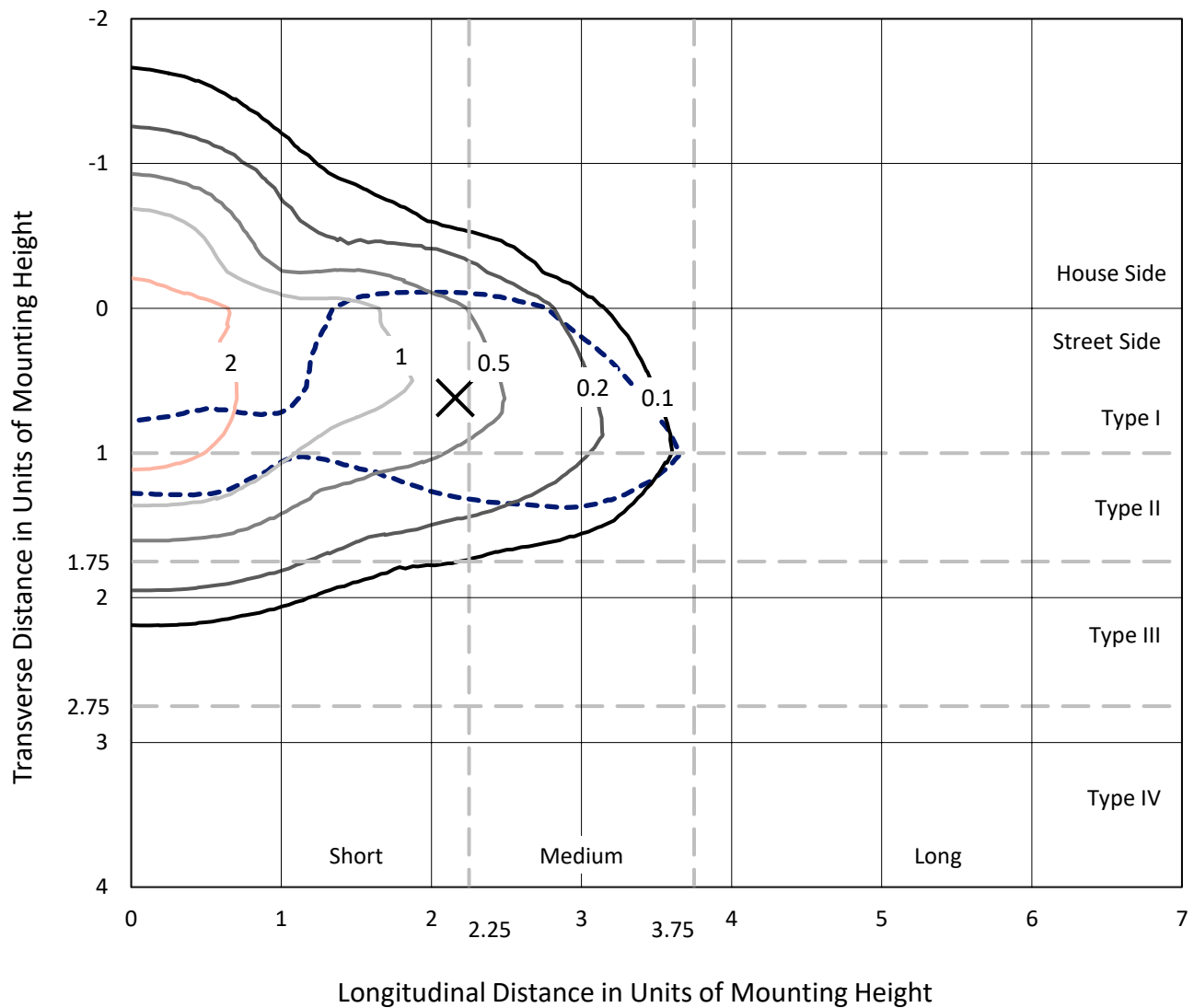


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Iso-Footcandle Lines of Horizontal Illumination

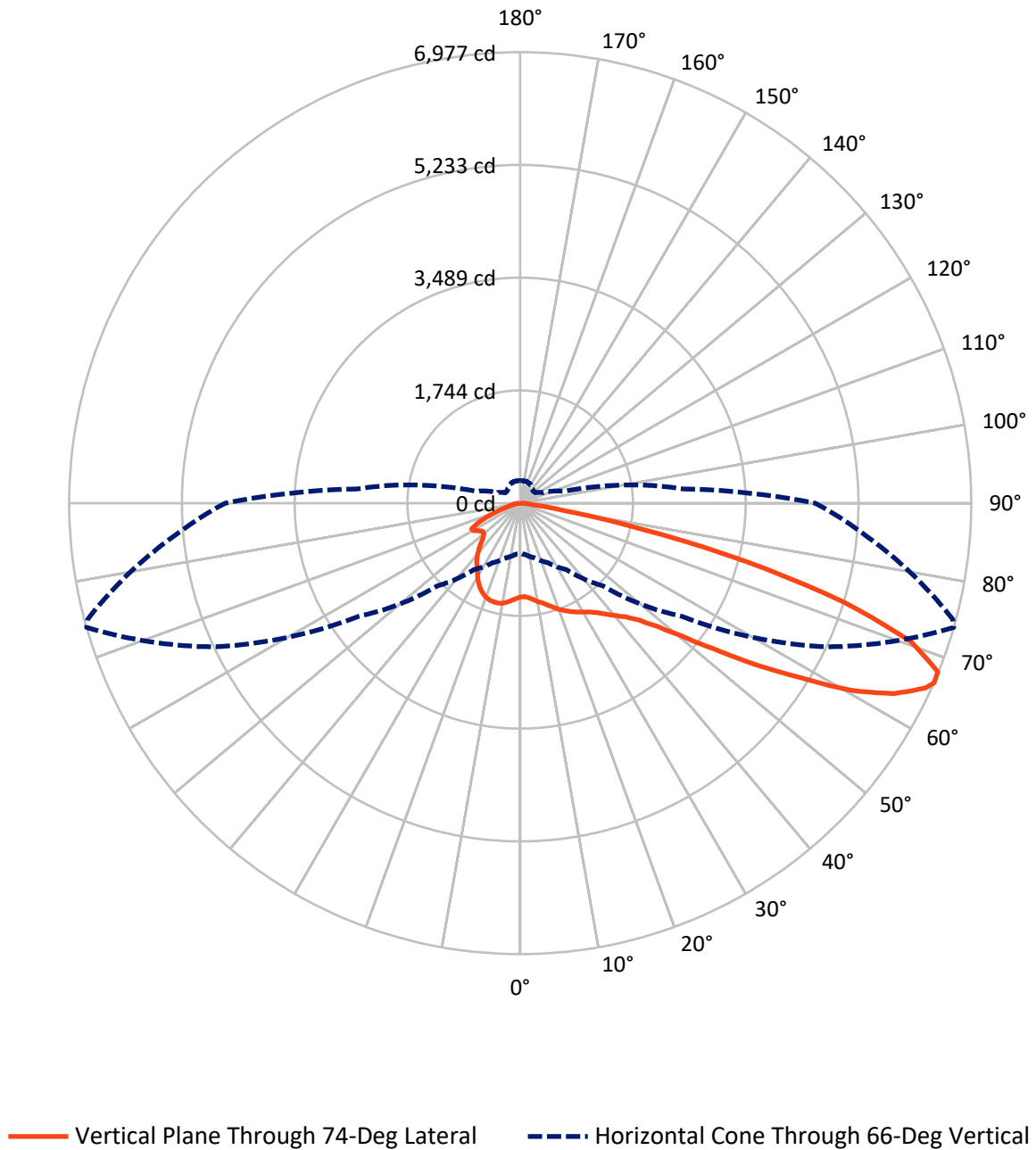
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2153.7	0.0	2153.7
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	6690.2	0.0	6690.2
	% Fixture	75.6	0.0	75.6
Total	Lumens	8844.0	0.0	8844.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.3	1.6
10°-20°	425.3	4.8
20°-30°	798.1	9.0
30°-40°	1227.6	13.9
40°-50°	1651.3	18.7
50°-60°	1952.8	22.1
60°-70°	1806.5	20.4
70°-80°	760.0	8.6
80°-90°	84.1	1.0
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°	8844.0	100.0
0°-180°	8844.0	100.0

Coefficient of Utilization



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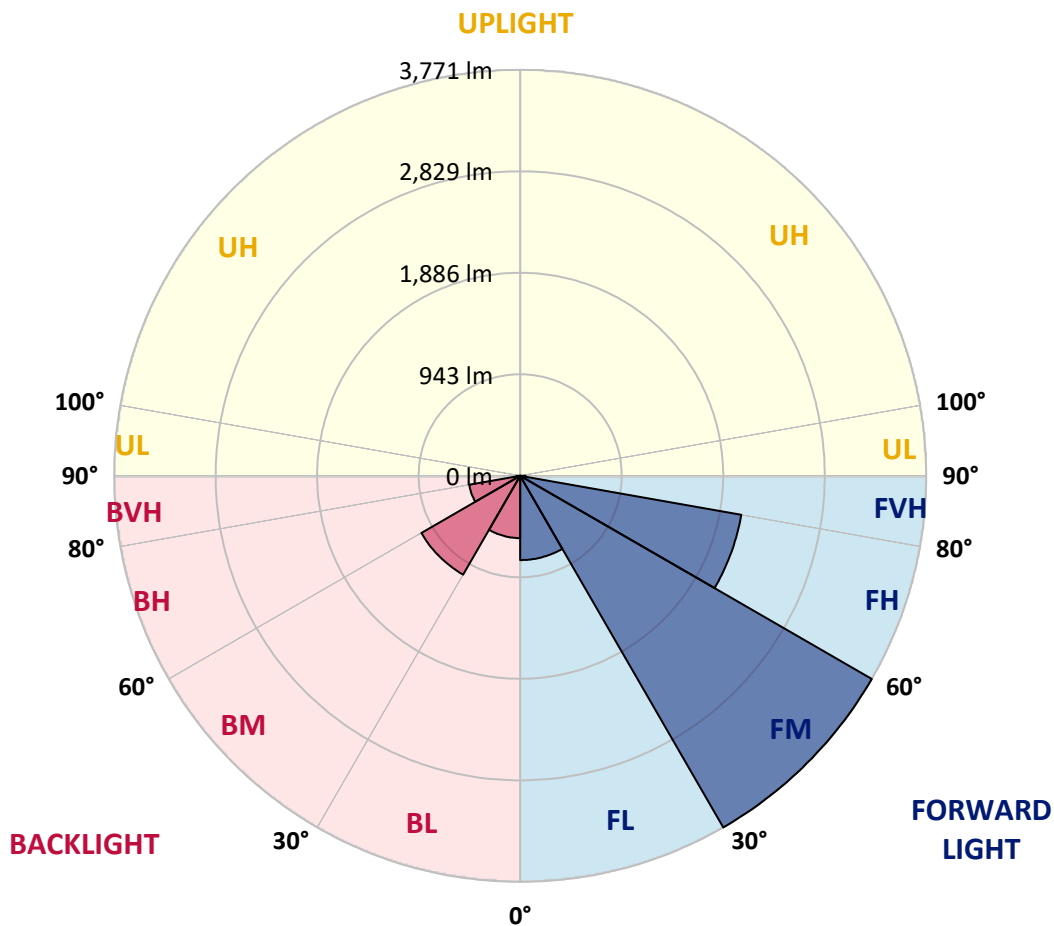
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	782.8	8.9			
FM	(30°-60°)	3771.5	42.6			
FH	(60°-80°)	2085.7	23.6			G2/5000
FVH	(80°-90°)	50.3	0.6			G1/100
BL	(0°-30°)	578.9	6.5	B2/1000		
BM	(30°-60°)	1060.3	12.0	B2/2500		
BH	(60°-80°)	480.8	5.4	B1/500		G1/500
BVH	(80°-90°)	33.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8
2.5°	1445.3	1443.0	1447.5	1454.4	1457.8	1452.1	1449.8	1448.7	1448.7	1445.3	1451.0
5°	1377.0	1375.9	1386.1	1398.6	1422.5	1439.6	1462.3	1476.0	1471.4	1464.6	1469.2
7.5°	1288.2	1286.0	1298.5	1322.4	1355.4	1392.9	1448.7	1491.9	1509.0	1506.7	1505.6
10°	1322.4	1320.1	1319.0	1312.1	1323.5	1359.9	1418.0	1494.2	1552.2	1553.4	1554.5
12.5°	1440.7	1446.4	1440.7	1419.1	1394.1	1380.4	1414.5	1499.9	1588.7	1595.5	1623.9
15°	1602.3	1596.6	1585.2	1560.2	1521.5	1480.6	1455.5	1526.1	1641.0	1646.7	1709.3
17.5°	1744.6	1749.1	1742.3	1718.4	1672.9	1619.4	1543.1	1571.6	1696.8	1712.7	1800.3
20°	1899.3	1917.5	1908.4	1878.9	1841.3	1761.6	1666.0	1637.6	1758.2	1769.6	1894.8
22.5°	2078.0	2097.4	2080.3	2051.8	2021.1	1923.2	1800.3	1718.4	1809.4	1833.3	1985.8
25°	2292.0	2310.2	2294.2	2249.8	2211.2	2091.7	1944.9	1809.4	1859.5	1885.7	2059.8
27.5°	2461.5	2475.2	2490.0	2463.8	2404.6	2280.6	2095.1	1903.9	1909.6	1936.9	2128.1
30°	2612.9	2647.0	2659.5	2662.9	2612.9	2474.0	2248.7	2001.8	1952.8	1981.3	2196.4
32.5°	2820.0	2871.2	2850.7	2871.2	2841.6	2656.1	2408.0	2103.0	2008.6	2034.8	2261.2
35°	3122.7	3163.7	3110.2	3094.3	3046.5	2840.5	2561.7	2207.7	2082.6	2111.0	2322.7
37.5°	3448.2	3494.8	3417.4	3353.7	3262.7	3022.6	2693.7	2345.4	2185.0	2207.7	2379.6
40°	3732.7	3771.4	3704.2	3620.0	3467.5	3183.0	2807.5	2442.2	2287.4	2315.9	2445.6
42.5°	3995.6	4020.6	3945.5	3864.7	3661.0	3327.5	2930.4	2544.6	2406.9	2434.2	2499.1
45°	4261.9	4281.2	4176.5	4061.6	3822.6	3459.6	3065.8	2688.0	2582.1	2618.6	2585.6
47.5°	4309.6	4315.3	4297.1	4219.7	3950.0	3585.9	3233.1	2880.3	2849.6	2889.4	2734.6
50°	3978.5	4029.7	4142.4	4218.6	4001.2	3691.7	3400.4	3155.7	3218.3	3269.5	3044.2
52.5°	3335.5	3384.4	3645.0	3934.1	3878.3	3715.6	3580.2	3505.1	3738.4	3799.8	3465.2
55°	2657.3	2700.5	2975.9	3392.4	3481.2	3606.4	3772.5	3951.2	4401.8	4442.8	3927.3
57.5°	2188.4	2212.3	2409.2	2809.7	2952.0	3257.0	3876.1	4481.5	5076.7	5139.3	4329.0
60°	1794.6	1820.8	1967.6	2297.6	2486.6	2757.4	3794.1	5005.0	5882.4	5882.4	4844.5
62.5°	1350.8	1373.6	1510.1	1768.5	2086.0	2334.1	3532.4	5352.1	6490.1	6462.8	5217.8
65°	927.5	945.7	1044.7	1216.5	1502.2	1989.2	3175.0	5356.6	6892.9	6856.5	5377.1
66°	778.4	794.3	878.5	1017.4	1257.5	1804.9	3048.7	5259.9	6977.1	6925.9	5310.0
67.5°	614.5	625.9	681.7	763.6	921.8	1461.2	2849.6	4985.6	6969.2	6938.5	5139.3
70°	439.3	447.2	488.2	505.3	545.1	845.5	2263.5	4366.5	6410.4	6419.5	4467.8
72.5°	340.3	352.8	377.8	381.2	372.1	449.5	1373.6	3642.8	5244.0	5240.5	3316.2
75°	274.3	281.1	293.6	300.4	298.2	290.2	581.5	2717.6	3609.8	3651.9	1857.2
77.5°	216.2	215.1	226.5	235.6	242.4	227.6	266.3	1593.2	1892.5	1839.0	697.6
80°	159.3	159.3	175.3	178.7	188.9	191.2	177.5	614.5	649.8	590.6	180.9
82.5°	104.7	104.7	121.8	124.0	134.3	149.1	128.6	184.4	179.8	170.7	81.9
85°	56.9	54.6	60.3	68.3	74.0	87.6	77.4	92.2	94.5	93.3	54.6
87.5°	11.4	10.2	15.9	18.2	20.5	27.3	25.0	37.6	52.3	51.2	23.9
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°	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8
2.5°	1458.9	1457.8	1470.3	1485.1	1502.2	1512.4	1517.0	1524.9	1519.2	1521.5	1528.3
5°	1480.6	1484.0	1502.2	1521.5	1529.5	1523.8	1511.3	1506.7	1496.5	1494.2	1491.9
7.5°	1512.4	1518.1	1536.3	1540.9	1517.0	1477.1	1448.7	1432.8	1415.7	1411.1	1408.9
10°	1564.8	1568.2	1572.7	1526.1	1466.9	1413.4	1378.1	1363.3	1352.0	1342.9	1345.1
12.5°	1630.8	1628.5	1593.2	1496.5	1412.3	1357.6	1333.7	1324.6	1316.7	1311.0	1309.9
15°	1713.8	1697.9	1596.6	1455.5	1361.1	1315.5	1298.5	1295.1	1286.0	1286.0	1284.8
17.5°	1798.1	1757.1	1594.4	1412.3	1312.1	1287.1	1276.8	1274.6	1272.3	1271.2	1274.6
20°	1882.3	1809.4	1576.1	1358.8	1278.0	1263.2	1260.9	1262.1	1259.8	1263.2	1260.9
22.5°	1956.2	1843.6	1542.0	1301.9	1254.1	1252.9	1247.3	1249.5	1257.5	1258.6	1262.1
25°	2013.1	1856.1	1491.9	1249.5	1237.0	1234.7	1241.6	1250.7	1257.5	1258.6	1264.3
27.5°	2059.8	1849.3	1429.3	1208.6	1207.4	1219.9	1240.4	1243.8	1245.0	1245.0	1240.4
30°	2095.1	1834.5	1349.7	1163.0	1168.7	1199.5	1218.8	1218.8	1209.7	1207.4	1214.3
32.5°	2103.0	1815.1	1263.2	1116.4	1125.5	1161.9	1185.8	1177.8	1167.6	1167.6	1172.2
35°	2109.9	1789.0	1193.8	1052.7	1066.3	1109.6	1132.3	1116.4	1105.0	1101.6	1100.5
37.5°	2107.6	1778.7	1131.2	971.9	990.1	1032.2	1047.0	1032.2	1015.1	1007.1	1017.4
40°	2109.9	1771.9	1052.7	883.1	901.3	926.3	945.7	934.3	918.4	897.9	908.1
42.5°	2123.5	1781.0	966.2	796.6	796.6	810.3	843.3	835.3	796.6	788.6	797.7
45°	2196.4	1829.9	879.7	710.1	697.6	706.7	740.8	706.7	682.8	682.8	690.8
47.5°	2372.8	1921.0	803.4	633.9	604.3	622.5	631.6	599.7	581.5	577.0	584.9
50°	2732.4	2103.0	757.9	571.3	534.9	548.5	542.8	541.7	523.5	525.8	530.3
52.5°	3278.6	2458.1	744.3	540.6	495.0	498.4	492.8	495.0	491.6	503.0	506.4
55°	3873.8	2832.5	761.3	545.1	467.7	443.8	446.1	457.5	471.1	489.3	492.8
57.5°	4318.8	3020.3	805.7	575.8	433.6	397.2	402.9	424.5	450.7	465.4	473.4
60°	4649.9	2997.5	870.6	583.8	392.6	355.1	365.3	397.2	419.9	432.4	440.4
62.5°	4758.0	2855.3	886.5	525.8	339.1	315.2	340.3	373.3	383.5	397.2	402.9
65°	4669.3	2653.8	770.4	426.8	298.2	285.6	322.1	347.1	360.7	367.6	368.7
66°	4564.6	2533.2	707.8	388.1	283.4	276.5	315.2	335.7	349.4	348.2	349.4
67.5°	4334.7	2280.6	606.6	333.4	261.7	262.9	303.8	317.5	322.1	318.6	318.6
70°	3552.9	1605.7	434.7	252.6	229.9	245.8	273.1	276.5	286.8	282.2	282.2
72.5°	2190.7	788.6	291.3	193.5	204.8	229.9	228.7	240.1	264.0	270.8	275.4
75°	1076.6	319.8	192.3	163.9	183.2	192.3	190.0	218.5	252.6	282.2	292.5
77.5°	408.5	159.3	134.3	143.4	147.9	144.5	151.4	198.0	252.6	306.1	316.4
80°	126.3	110.4	105.8	118.4	111.5	105.8	113.8	163.9	213.9	232.2	232.2
82.5°	76.2	86.5	81.9	80.8	75.1	76.2	81.9	117.2	165.0	173.0	173.0
85°	53.5	56.9	46.7	44.4	43.2	42.1	42.1	68.3	97.9	96.7	100.1
87.5°	20.5	22.8	17.1	17.1	15.9	11.4	9.1	11.4	11.4	8.0	5.7
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)