

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: P1210261

Luminaire Tested: **ARCH2-70-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210261
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: ARCH2-70-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 555mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8896 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

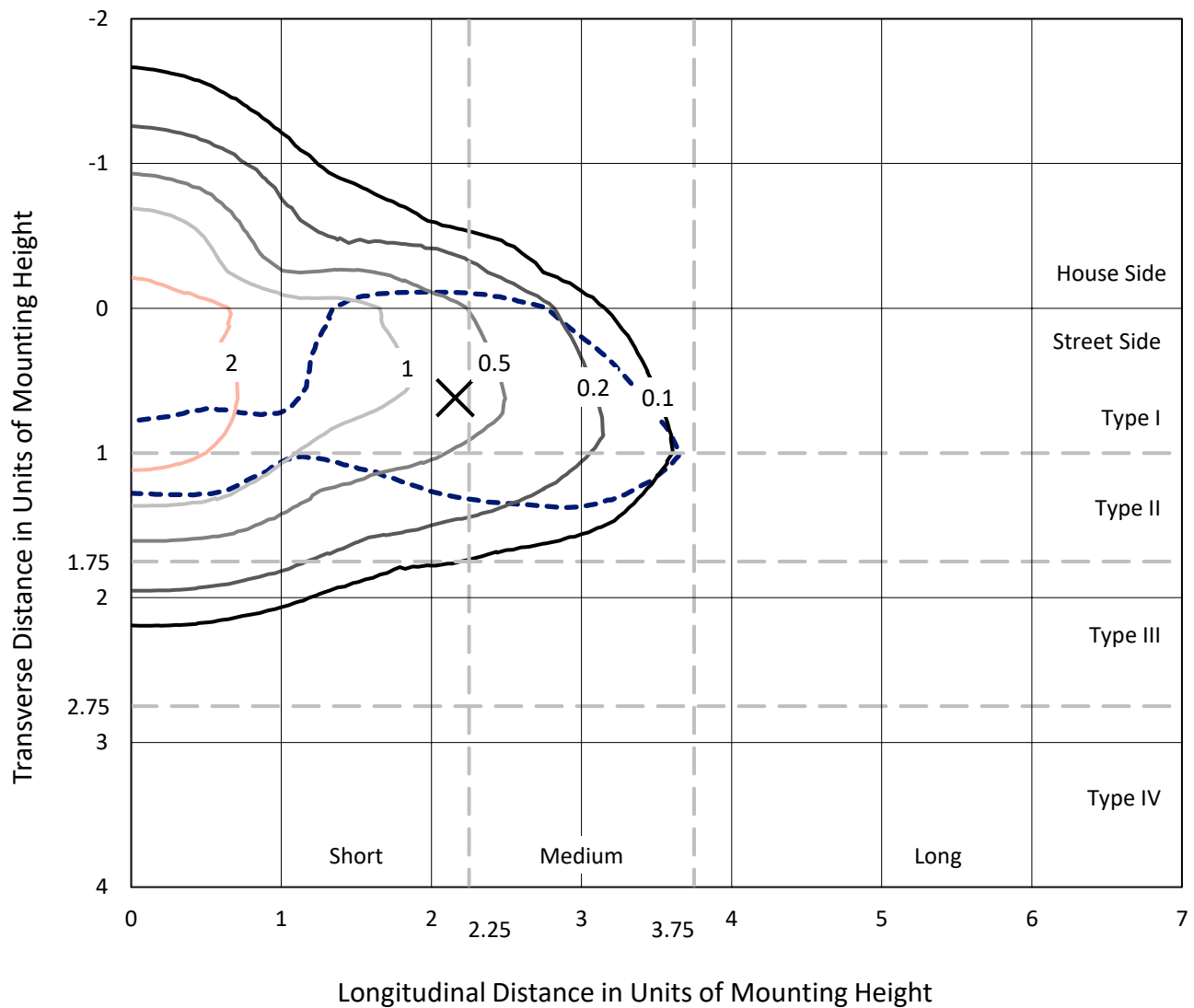
Input Watts (W): 73.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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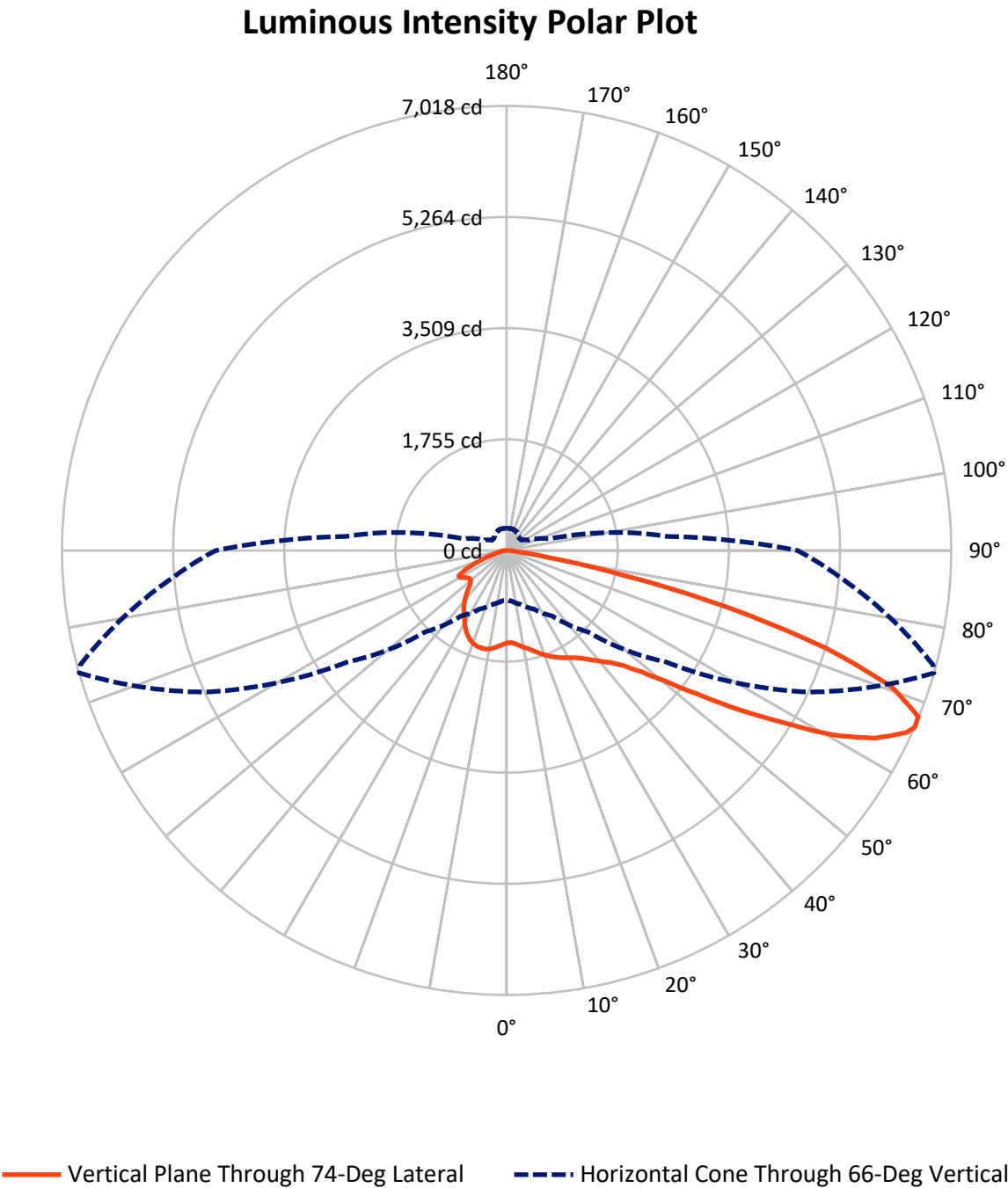
Iso-Footcandle Lines of Horizontal Illumination

✕ 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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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2166.4	0.0	2166.4
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	6729.6	0.0	6729.6
	% Fixture	75.6	0.0	75.6
Total	Lumens	8896.0	0.0	8896.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.1	1.6
10°-20°	427.8	4.8
20°-30°	802.8	9.0
30°-40°	1234.9	13.9
40°-50°	1661.0	18.7
50°-60°	1964.3	22.1
60°-70°	1817.1	20.4
70°-80°	764.4	8.6
80°-90°	84.6	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°	8896.0	100.0
0°-180°	8896.0	100.0

Coefficient of Utilization



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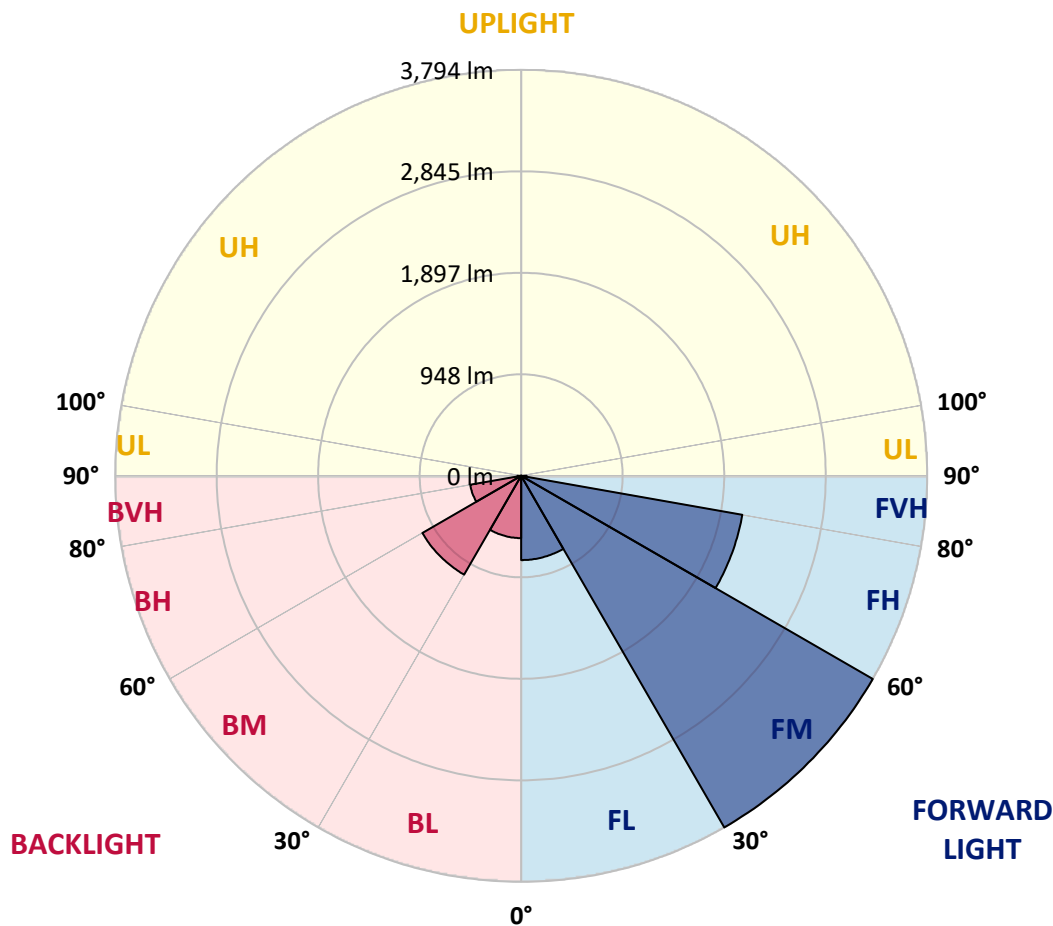
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	787.4	8.9			
FM	(30°-60°)	3793.6	42.6			
FH	(60°-80°)	2097.9	23.6			G2/5000
FVH	(80°-90°)	50.6	0.6			G1/100
BL	(0°-30°)	582.3	6.5	B2/1000		
BM	(30°-60°)	1066.5	12.0	B2/2500		
BH	(60°-80°)	483.6	5.4	B1/500		G1/500
BVH	(80°-90°)	34.0	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1458.4	1458.4	1458.4	1458.4	1458.4	1458.4	1458.4	1458.4	1458.4	1458.4	1458.4
2.5°	1453.8	1451.5	1456.1	1462.9	1466.4	1460.6	1458.4	1457.2	1457.2	1453.8	1459.5
5°	1385.1	1383.9	1394.2	1406.8	1430.9	1448.0	1470.9	1484.7	1480.1	1473.2	1477.8
7.5°	1295.8	1293.5	1306.1	1330.1	1363.3	1401.1	1457.2	1500.7	1517.9	1515.6	1514.4
10°	1330.1	1327.9	1326.7	1319.8	1331.3	1367.9	1426.3	1503.0	1561.4	1562.5	1563.7
12.5°	1449.2	1454.9	1449.2	1427.4	1402.3	1388.5	1422.9	1508.7	1598.0	1604.9	1633.5
15°	1611.7	1606.0	1594.6	1569.4	1530.5	1489.3	1464.1	1535.0	1650.7	1656.4	1719.3
17.5°	1754.8	1759.4	1752.5	1728.5	1682.7	1628.9	1552.2	1580.8	1706.8	1722.8	1810.9
20°	1910.5	1928.8	1919.7	1889.9	1852.1	1772.0	1675.8	1647.2	1768.6	1780.0	1905.9
22.5°	2090.2	2109.7	2092.5	2063.9	2033.0	1934.5	1810.9	1728.5	1820.1	1844.1	1997.5
25°	2305.4	2323.7	2307.7	2263.1	2224.2	2104.0	1956.3	1820.1	1870.4	1896.8	2071.9
27.5°	2476.0	2489.7	2504.6	2478.3	2418.8	2294.0	2107.4	1915.1	1920.8	1948.3	2140.6
30°	2628.2	2662.6	2675.2	2678.6	2628.2	2488.6	2261.9	2013.5	1964.3	1992.9	2209.3
32.5°	2836.6	2888.1	2867.5	2888.1	2858.3	2671.7	2422.2	2115.4	2020.4	2046.7	2274.5
35°	3141.1	3182.3	3128.5	3112.4	3064.4	2857.2	2576.7	2220.7	2094.8	2123.4	2336.3
37.5°	3468.4	3515.4	3437.5	3373.4	3281.9	3040.3	2709.5	2359.2	2197.8	2220.7	2393.6
40°	3754.6	3793.5	3726.0	3641.3	3487.9	3201.7	2824.0	2456.5	2300.9	2329.5	2460.0
42.5°	4019.0	4044.2	3968.7	3887.4	3682.5	3347.1	2947.6	2559.6	2421.0	2448.5	2513.8
45°	4286.9	4306.4	4201.1	4085.4	3845.1	3479.9	3083.8	2703.8	2597.3	2634.0	2600.8
47.5°	4335.0	4340.7	4322.4	4244.6	3973.3	3607.0	3252.1	2897.2	2866.3	2906.4	2750.7
50°	4001.9	4053.4	4166.7	4243.4	4024.8	3713.4	3420.4	3174.3	3237.2	3288.7	3062.1
52.5°	3355.1	3404.3	3666.5	3957.2	3901.1	3737.5	3601.2	3525.7	3760.3	3822.2	3485.6
55°	2672.9	2716.4	2993.4	3412.4	3501.6	3627.6	3794.7	3974.4	4427.7	4468.9	3950.4
57.5°	2201.3	2225.3	2423.3	2826.3	2969.4	3276.1	3898.9	4507.8	5106.5	5169.5	4354.4
60°	1805.2	1831.5	1979.2	2311.2	2501.2	2773.6	3816.4	5034.4	5917.0	5917.0	4873.0
62.5°	1358.8	1381.7	1519.0	1778.9	2098.2	2347.8	3553.2	5383.5	6528.2	6500.8	5248.5
65°	932.9	951.2	1050.8	1223.7	1511.0	2000.9	3193.7	5388.1	6933.5	6896.8	5408.7
66°	783.0	799.0	883.7	1023.4	1264.9	1815.5	3066.7	5290.8	7018.2	6966.7	5341.2
67.5°	618.1	629.6	685.7	768.1	927.2	1469.8	2866.3	5014.9	7010.2	6979.2	5169.5
70°	441.9	449.9	491.1	508.2	548.3	850.5	2276.8	4392.2	6448.1	6457.3	4494.1
72.5°	342.3	354.9	380.0	383.5	374.3	452.2	1381.7	3664.2	5274.8	5271.4	3335.7
75°	275.9	282.7	295.3	302.2	299.9	291.9	584.9	2733.5	3631.0	3673.3	1868.2
77.5°	217.5	216.3	227.8	237.0	243.8	228.9	267.9	1602.6	1903.6	1849.8	701.7
80°	160.3	160.3	176.3	179.7	190.0	192.3	178.6	618.1	653.6	594.1	182.0
82.5°	105.3	105.3	122.5	124.8	135.1	150.0	129.4	185.4	180.9	171.7	82.4
85°	57.2	54.9	60.7	68.7	74.4	88.1	77.8	92.7	95.0	93.9	54.9
87.5°	11.4	10.3	16.0	18.3	20.6	27.5	25.2	37.8	52.7	51.5	24.0
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°	1458.4	1458.4	1458.4	1458.4	1458.4	1458.4	1458.4	1458.4	1458.4	1458.4	1458.4
2.5°	1467.5	1466.4	1479.0	1493.8	1511.0	1521.3	1525.9	1533.9	1528.2	1530.5	1537.3
5°	1489.3	1492.7	1511.0	1530.5	1538.5	1532.8	1520.2	1515.6	1505.3	1503.0	1500.7
7.5°	1521.3	1527.0	1545.3	1549.9	1525.9	1485.8	1457.2	1441.2	1424.0	1419.4	1417.1
10°	1574.0	1577.4	1582.0	1535.0	1475.5	1421.7	1386.2	1371.4	1359.9	1350.7	1353.0
12.5°	1640.4	1638.1	1602.6	1505.3	1420.6	1365.6	1341.6	1332.4	1324.4	1318.7	1317.6
15°	1723.9	1707.9	1606.0	1464.1	1369.1	1323.3	1306.1	1302.7	1293.5	1293.5	1292.4
17.5°	1808.6	1767.4	1603.7	1420.6	1319.8	1294.7	1284.4	1282.1	1279.8	1278.6	1282.1
20°	1893.3	1820.1	1585.4	1366.8	1285.5	1270.6	1268.3	1269.5	1267.2	1270.6	1268.3
22.5°	1967.7	1854.4	1551.1	1309.5	1261.5	1260.3	1254.6	1256.9	1264.9	1266.0	1269.5
25°	2025.0	1867.0	1500.7	1256.9	1244.3	1242.0	1248.9	1258.0	1264.9	1266.0	1271.8
27.5°	2071.9	1860.1	1437.7	1215.7	1214.5	1227.1	1247.7	1251.2	1252.3	1252.3	1247.7
30°	2107.4	1845.3	1357.6	1169.9	1175.6	1206.5	1226.0	1226.0	1216.8	1214.5	1221.4
32.5°	2115.4	1825.8	1270.6	1123.0	1132.1	1168.7	1192.8	1184.8	1174.5	1174.5	1179.0
35°	2122.3	1799.5	1200.8	1058.8	1072.6	1116.1	1139.0	1123.0	1111.5	1108.1	1106.9
37.5°	2120.0	1789.2	1137.8	977.6	995.9	1038.2	1053.1	1038.2	1021.1	1013.1	1023.4
40°	2122.3	1782.3	1058.8	888.3	906.6	931.8	951.2	939.8	923.8	903.2	913.5
42.5°	2136.0	1791.5	971.9	801.3	801.3	815.0	848.2	840.2	801.3	793.3	802.4
45°	2209.3	1840.7	884.9	714.3	701.7	710.9	745.2	710.9	686.8	686.8	694.8
47.5°	2386.7	1932.3	808.2	637.6	607.8	626.2	635.3	603.3	584.9	580.4	588.4
50°	2748.4	2115.4	762.4	574.6	538.0	551.7	546.0	544.9	526.6	528.9	533.4
52.5°	3297.9	2472.6	748.6	543.7	497.9	501.4	495.7	497.9	494.5	506.0	509.4
55°	3896.6	2849.2	765.8	548.3	470.5	446.4	448.7	460.2	473.9	492.2	495.7
57.5°	4344.1	3038.0	810.4	579.2	436.1	399.5	405.2	427.0	453.3	468.2	476.2
60°	4677.3	3015.1	875.7	587.2	394.9	357.1	367.4	399.5	422.4	435.0	443.0
62.5°	4786.0	2872.1	891.7	528.9	341.1	317.1	342.3	375.5	385.8	399.5	405.2
65°	4696.7	2669.4	775.0	429.3	299.9	287.3	324.0	349.1	362.9	369.7	370.9
66°	4591.4	2548.1	712.0	390.3	285.0	278.2	317.1	337.7	351.4	350.3	351.4
67.5°	4360.2	2294.0	610.1	335.4	263.3	264.4	305.6	319.4	324.0	320.5	320.5
70°	3573.8	1615.2	437.3	254.1	231.2	247.3	274.7	278.2	288.5	283.9	283.9
72.5°	2203.6	793.3	293.0	194.6	206.0	231.2	230.1	241.5	265.6	272.4	277.0
75°	1082.9	321.7	193.5	164.8	184.3	193.5	191.2	219.8	254.1	283.9	294.2
77.5°	410.9	160.3	135.1	144.2	148.8	145.4	152.2	199.2	254.1	307.9	318.2
80°	127.1	111.0	106.5	119.0	112.2	106.5	114.5	164.8	215.2	233.5	233.5
82.5°	76.7	87.0	82.4	81.3	75.6	76.7	82.4	117.9	166.0	174.0	174.0
85°	53.8	57.2	46.9	44.6	43.5	42.4	42.4	68.7	98.4	97.3	100.7
87.5°	20.6	22.9	17.2	17.2	16.0	11.4	9.2	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)