

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: P1210233

Luminaire Tested: **ARCH2-60-727-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210233
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: ARCH2-60-727-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8758 lumens
Efficiency: N/A
Efficacy: 137.3 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

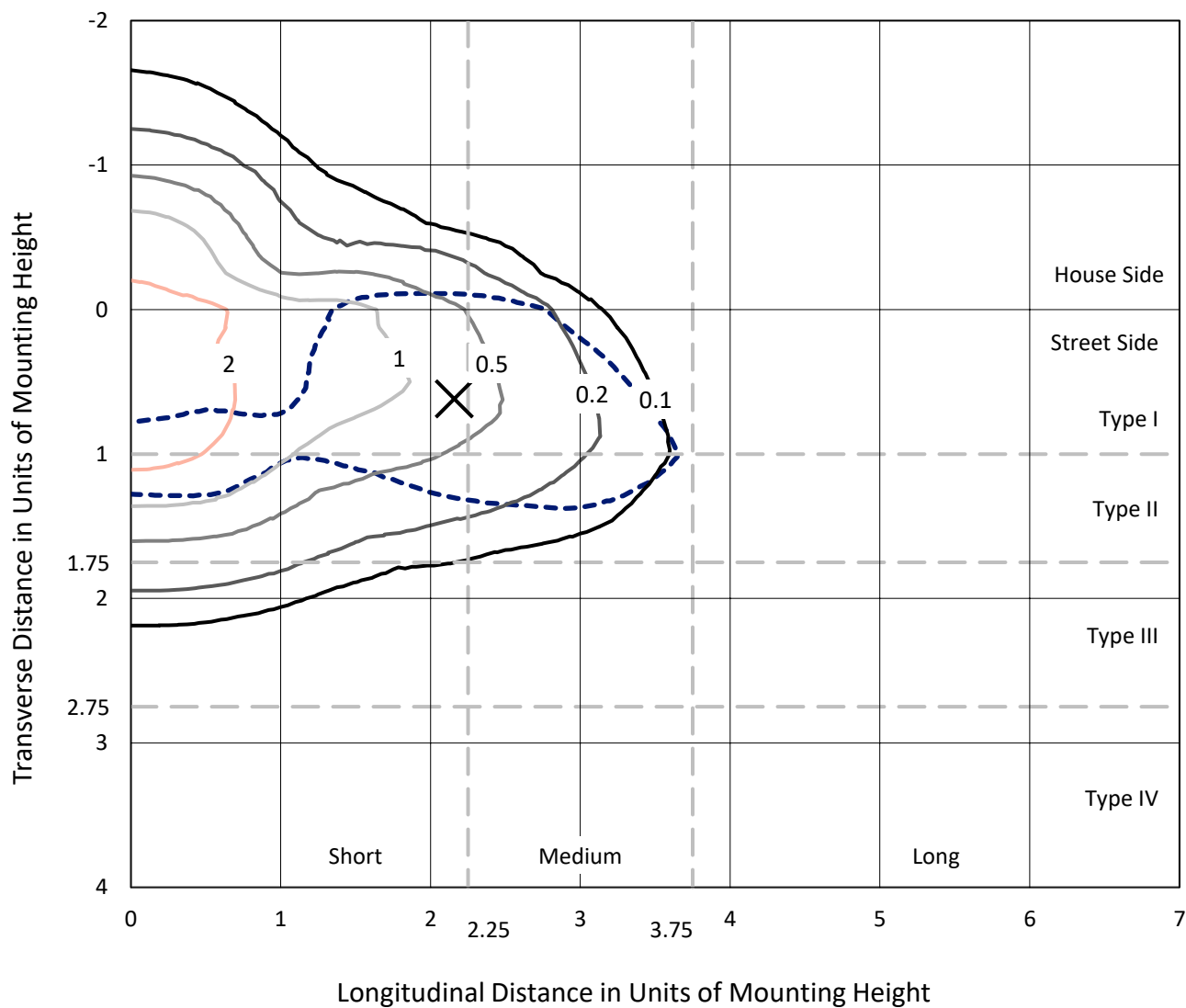
Input Watts (W): 63.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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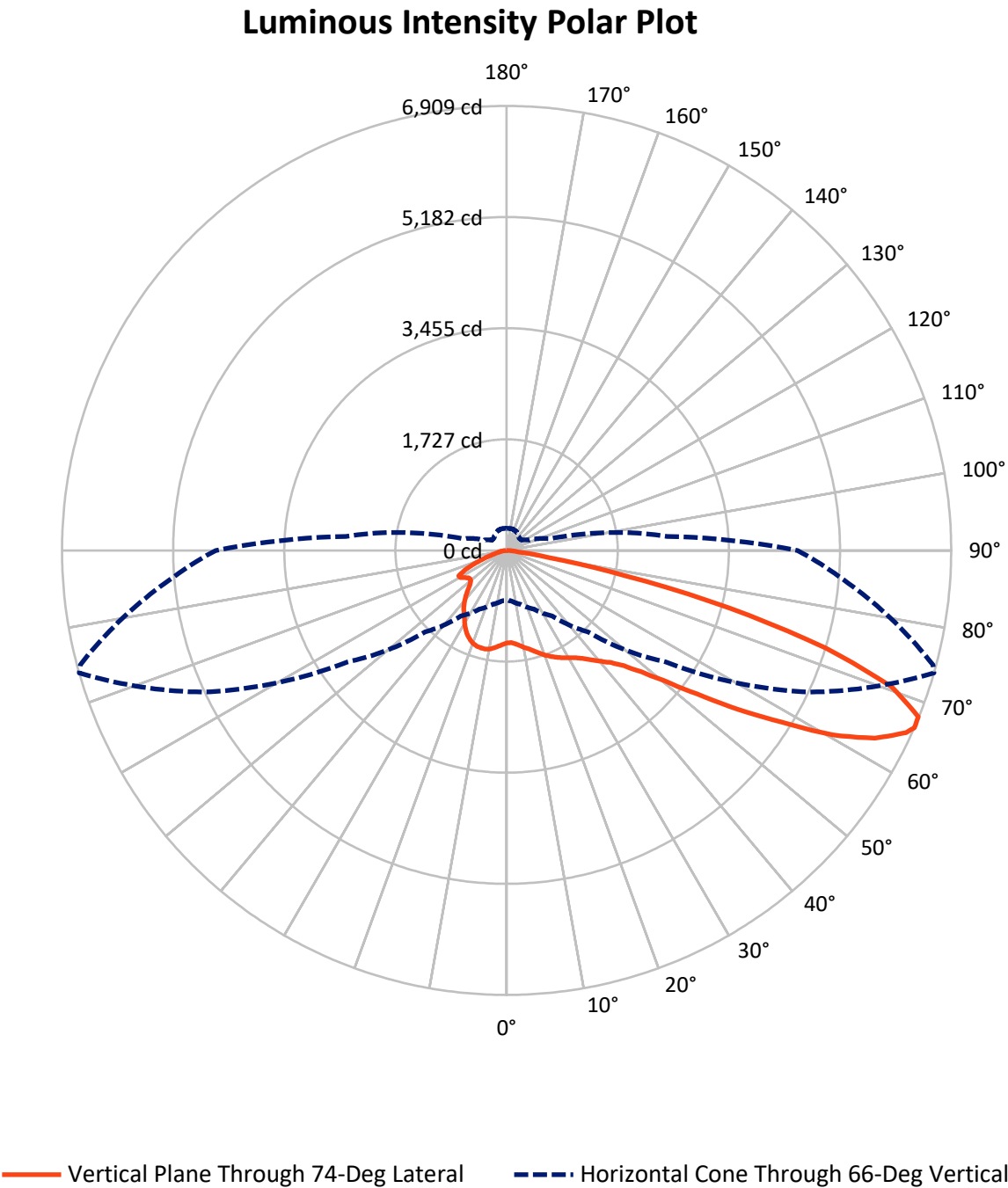
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2132.8	0.0	2132.8
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	6625.2	0.0	6625.2
	% Fixture	75.6	0.0	75.6
Total	Lumens	8758.0	0.0	8758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	1.6
10°-20°	421.2	4.8
20°-30°	790.3	9.0
30°-40°	1215.7	13.9
40°-50°	1635.2	18.7
50°-60°	1933.8	22.1
60°-70°	1788.9	20.4
70°-80°	752.6	8.6
80°-90°	83.3	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°	8758.0	100.0
0°-180°	8758.0	100.0

Coefficient of Utilization



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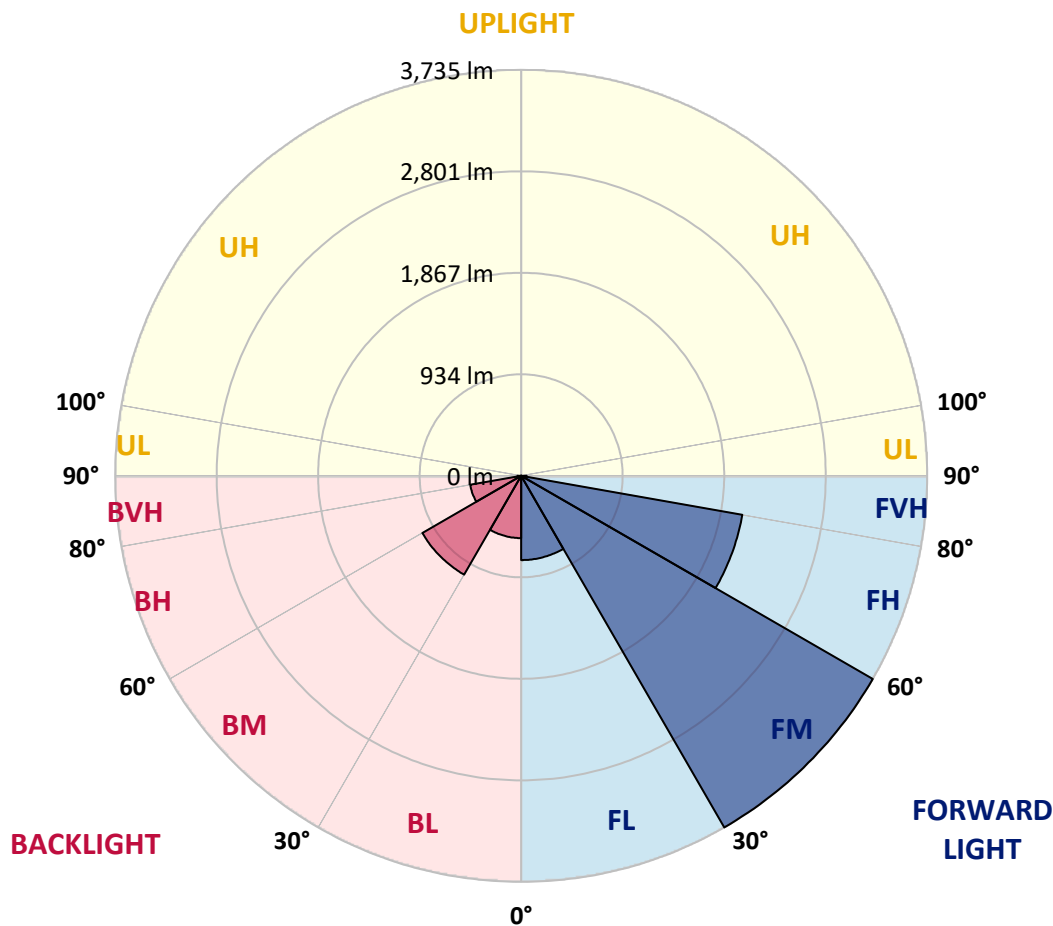
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	775.2	8.9			
FM	(30°-60°)	3734.8	42.6			
FH	(60°-80°)	2065.4	23.6			G2/5000
FVH	(80°-90°)	49.8	0.6			G1/100
BL	(0°-30°)	573.3	6.5	B2/1000		
BM	(30°-60°)	1050.0	12.0	B2/2500		
BH	(60°-80°)	476.1	5.4	B1/500		G1/500
BVH	(80°-90°)	33.5	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7
2.5°	1431.2	1429.0	1433.5	1440.2	1443.6	1438.0	1435.7	1434.6	1434.6	1431.2	1436.9
5°	1363.6	1362.5	1372.6	1385.0	1408.7	1425.6	1448.1	1461.6	1457.1	1450.4	1454.9
7.5°	1275.7	1273.4	1285.8	1309.5	1342.2	1379.4	1434.6	1477.4	1494.3	1492.1	1490.9
10°	1309.5	1307.3	1306.1	1299.4	1310.6	1346.7	1404.2	1479.7	1537.2	1538.3	1539.4
12.5°	1426.7	1432.3	1426.7	1405.3	1380.5	1367.0	1400.8	1485.3	1573.2	1580.0	1608.1
15°	1586.7	1581.1	1569.8	1545.0	1506.7	1466.2	1441.4	1511.2	1625.1	1630.7	1692.7
17.5°	1727.6	1732.1	1725.4	1701.7	1656.6	1603.6	1528.1	1556.3	1680.3	1696.1	1782.8
20°	1880.9	1898.9	1889.9	1860.6	1823.4	1744.5	1649.8	1621.7	1741.1	1752.4	1876.4
22.5°	2057.8	2077.0	2060.1	2031.9	2001.5	1904.5	1782.8	1701.7	1791.8	1815.5	1966.5
25°	2269.7	2287.7	2271.9	2228.0	2189.7	2071.3	1925.9	1791.8	1841.4	1867.3	2039.8
27.5°	2437.6	2451.1	2465.8	2439.8	2381.2	2258.4	2074.7	1885.4	1891.0	1918.1	2107.4
30°	2587.5	2621.3	2633.7	2637.1	2587.5	2450.0	2226.8	1982.3	1933.8	1962.0	2175.0
32.5°	2792.6	2843.3	2823.0	2843.3	2814.0	2630.3	2384.6	2082.6	1989.1	2015.0	2239.2
35°	3092.3	3132.9	3079.9	3064.2	3016.8	2812.9	2536.8	2186.3	2062.3	2090.5	2300.1
37.5°	3414.6	3460.8	3384.2	3321.1	3231.0	2993.2	2667.5	2322.6	2163.7	2186.3	2356.4
40°	3696.4	3734.7	3668.2	3584.8	3433.8	3152.1	2780.2	2418.4	2265.2	2293.3	2421.8
42.5°	3956.7	3981.5	3907.1	3827.1	3625.4	3295.2	2901.9	2519.8	2383.5	2410.5	2474.8
45°	4220.4	4239.6	4135.9	4022.1	3785.4	3425.9	3036.0	2661.8	2557.0	2593.1	2560.4
47.5°	4267.7	4273.4	4255.3	4178.7	3911.6	3551.0	3201.6	2852.3	2821.9	2861.3	2708.0
50°	3939.8	3990.5	4102.1	4177.6	3962.3	3655.8	3367.3	3125.0	3187.0	3237.7	3014.6
52.5°	3303.1	3351.5	3609.6	3895.8	3840.6	3679.5	3545.4	3471.0	3702.0	3762.9	3431.5
55°	2631.4	2674.2	2947.0	3359.4	3447.3	3571.3	3735.8	3912.8	4359.0	4399.6	3889.1
57.5°	2167.1	2190.8	2385.7	2782.4	2923.3	3225.3	3838.4	4437.9	5027.3	5089.3	4286.9
60°	1777.2	1803.1	1948.5	2275.3	2462.4	2730.6	3757.2	4956.3	5825.2	5825.2	4797.4
62.5°	1337.7	1360.2	1495.5	1751.3	2065.7	2311.4	3498.0	5300.0	6427.0	6399.9	5167.0
65°	918.5	936.5	1034.5	1204.7	1487.6	1969.9	3144.2	5304.5	6825.9	6789.8	5324.8
66°	770.8	786.6	870.0	1007.5	1245.3	1787.3	3019.1	5208.7	6909.3	6858.6	5258.3
67.5°	608.6	619.8	675.0	756.2	912.8	1447.0	2821.9	4937.1	6901.4	6871.0	5089.3
70°	435.0	442.9	483.5	500.4	539.8	837.3	2241.5	4324.1	6348.1	6357.1	4424.4
72.5°	337.0	349.4	374.1	377.5	368.5	445.1	1360.2	3607.3	5193.0	5189.6	3283.9
75°	271.6	278.4	290.8	297.5	295.3	287.4	575.9	2691.1	3574.7	3616.4	1839.2
77.5°	214.1	213.0	224.3	233.3	240.0	225.4	263.7	1577.7	1874.1	1821.1	690.8
80°	157.8	157.8	173.5	176.9	187.1	189.3	175.8	608.6	643.5	584.9	179.2
82.5°	103.7	103.7	120.6	122.8	133.0	147.6	127.3	182.6	178.1	169.0	81.1
85°	56.3	54.1	59.7	67.6	73.3	86.8	76.6	91.3	93.5	92.4	54.1
87.5°	11.3	10.1	15.8	18.0	20.3	27.0	24.8	37.2	51.8	50.7	23.7
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°	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7
2.5°	1444.7	1443.6	1456.0	1470.7	1487.6	1497.7	1502.2	1510.1	1504.5	1506.7	1513.5
5°	1466.2	1469.5	1487.6	1506.7	1514.6	1509.0	1496.6	1492.1	1481.9	1479.7	1477.4
7.5°	1497.7	1503.3	1521.4	1525.9	1502.2	1462.8	1434.6	1418.8	1401.9	1397.4	1395.2
10°	1549.5	1552.9	1557.4	1511.2	1452.6	1399.7	1364.7	1350.1	1338.8	1329.8	1332.0
12.5°	1614.9	1612.7	1577.7	1481.9	1398.5	1344.4	1320.8	1311.8	1303.9	1298.2	1297.1
15°	1697.2	1681.4	1581.1	1441.4	1347.8	1302.7	1285.8	1282.5	1273.4	1273.4	1272.3
17.5°	1780.6	1740.0	1578.8	1398.5	1299.4	1274.6	1264.4	1262.2	1259.9	1258.8	1262.2
20°	1864.0	1791.8	1560.8	1345.6	1265.6	1250.9	1248.7	1249.8	1247.5	1250.9	1248.7
22.5°	1937.2	1825.7	1527.0	1289.2	1241.9	1240.8	1235.1	1237.4	1245.3	1246.4	1249.8
25°	1993.6	1838.0	1477.4	1237.4	1225.0	1222.7	1229.5	1238.5	1245.3	1246.4	1252.0
27.5°	2039.8	1831.3	1415.4	1196.8	1195.7	1208.1	1228.4	1231.8	1232.9	1232.9	1228.4
30°	2074.7	1816.6	1336.6	1151.7	1157.4	1187.8	1207.0	1207.0	1197.9	1195.7	1202.4
32.5°	2082.6	1797.5	1250.9	1105.5	1114.5	1150.6	1174.3	1166.4	1156.2	1156.2	1160.8
35°	2089.4	1771.6	1182.2	1042.4	1055.9	1098.8	1121.3	1105.5	1094.3	1090.9	1089.8
37.5°	2087.1	1761.4	1120.2	962.4	980.4	1022.1	1036.8	1022.1	1005.2	997.3	1007.5
40°	2089.4	1754.7	1042.4	874.5	892.5	917.3	936.5	925.2	909.4	889.2	899.3
42.5°	2102.9	1763.7	956.8	788.9	788.9	802.4	835.1	827.2	788.9	781.0	790.0
45°	2175.0	1812.1	871.1	703.2	690.8	699.8	733.6	699.8	676.2	676.2	684.1
47.5°	2349.7	1902.3	795.6	627.7	598.4	616.4	625.5	593.9	575.9	571.4	579.2
50°	2705.8	2082.6	750.5	565.7	529.7	543.2	537.6	536.4	518.4	520.6	525.2
52.5°	3246.7	2434.2	737.0	535.3	490.2	493.6	488.0	490.2	486.8	498.1	501.5
55°	3836.1	2805.0	753.9	539.8	463.2	439.5	441.8	453.0	466.6	484.6	488.0
57.5°	4276.8	2990.9	797.9	570.2	429.4	393.3	398.9	420.4	446.3	460.9	468.8
60°	4604.7	2968.4	862.1	578.1	388.8	351.6	361.7	393.3	415.8	428.2	436.1
62.5°	4711.8	2827.5	877.9	520.6	335.8	312.2	337.0	369.6	379.8	393.3	398.9
65°	4623.9	2628.0	762.9	422.6	295.3	282.9	318.9	343.7	357.2	364.0	365.1
66°	4520.2	2508.6	701.0	384.3	280.6	273.8	312.2	332.4	346.0	344.8	346.0
67.5°	4292.5	2258.4	600.7	330.2	259.2	260.3	300.9	314.4	318.9	315.5	315.5
70°	3518.3	1590.1	430.5	250.2	227.6	243.4	270.5	273.8	284.0	279.5	279.5
72.5°	2169.4	781.0	288.5	191.6	202.9	227.6	226.5	237.8	261.5	268.2	272.7
75°	1066.1	316.7	190.5	162.3	181.4	190.5	188.2	216.4	250.2	279.5	289.6
77.5°	404.6	157.8	133.0	142.0	146.5	143.1	149.9	196.1	250.2	303.1	313.3
80°	125.1	109.3	104.8	117.2	110.4	104.8	112.7	162.3	211.9	229.9	229.9
82.5°	75.5	85.6	81.1	80.0	74.4	75.5	81.1	116.1	163.4	171.3	171.3
85°	53.0	56.3	46.2	44.0	42.8	41.7	41.7	67.6	96.9	95.8	99.2
87.5°	20.3	22.5	16.9	16.9	15.8	11.3	9.0	11.3	11.3	7.9	5.6
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)