

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208545

Luminaire Tested: UPW-SA1-070-730-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-730-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7715 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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: 28.75 FT

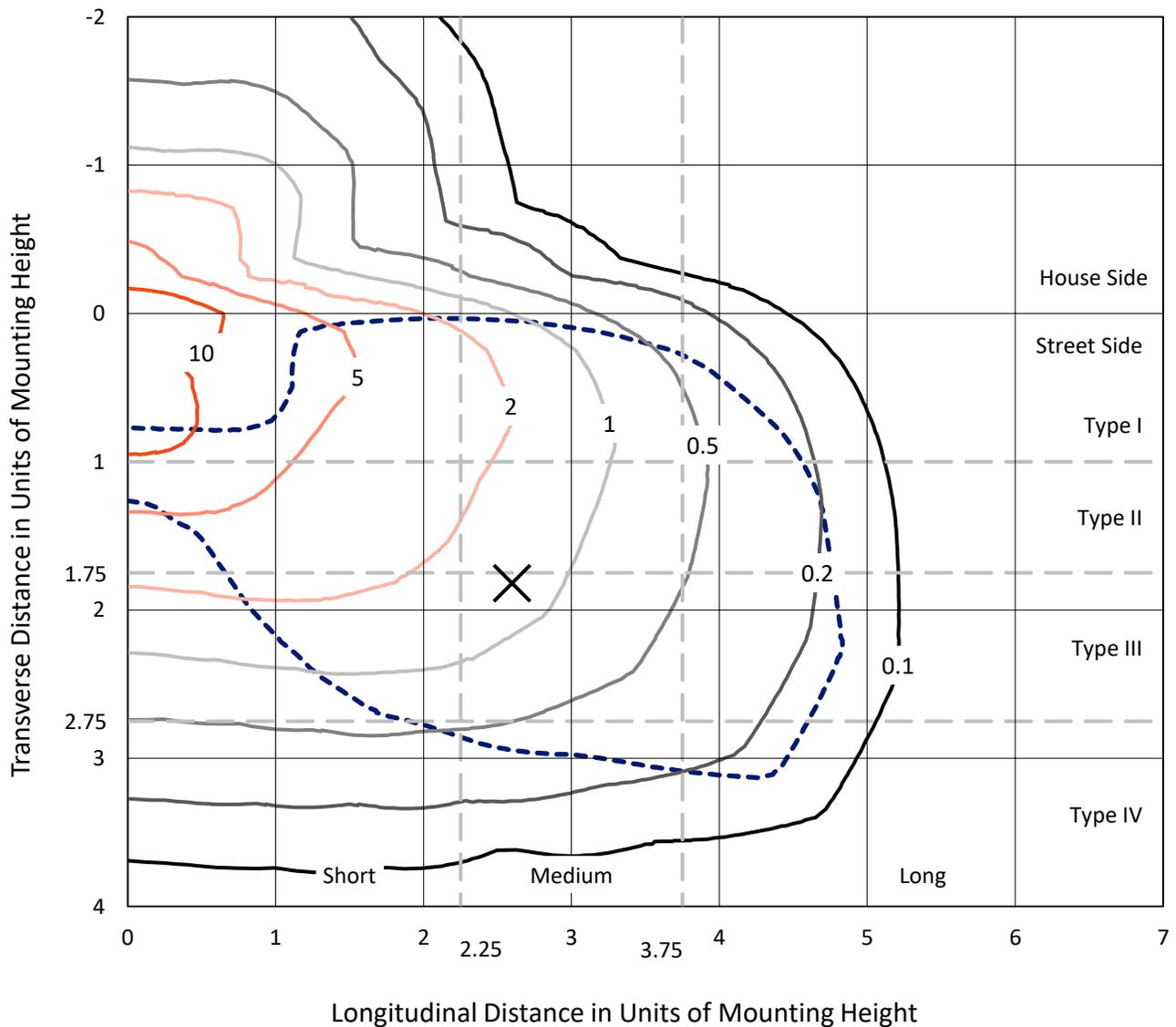


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Iso-Footcandle Lines of Horizontal Illumination

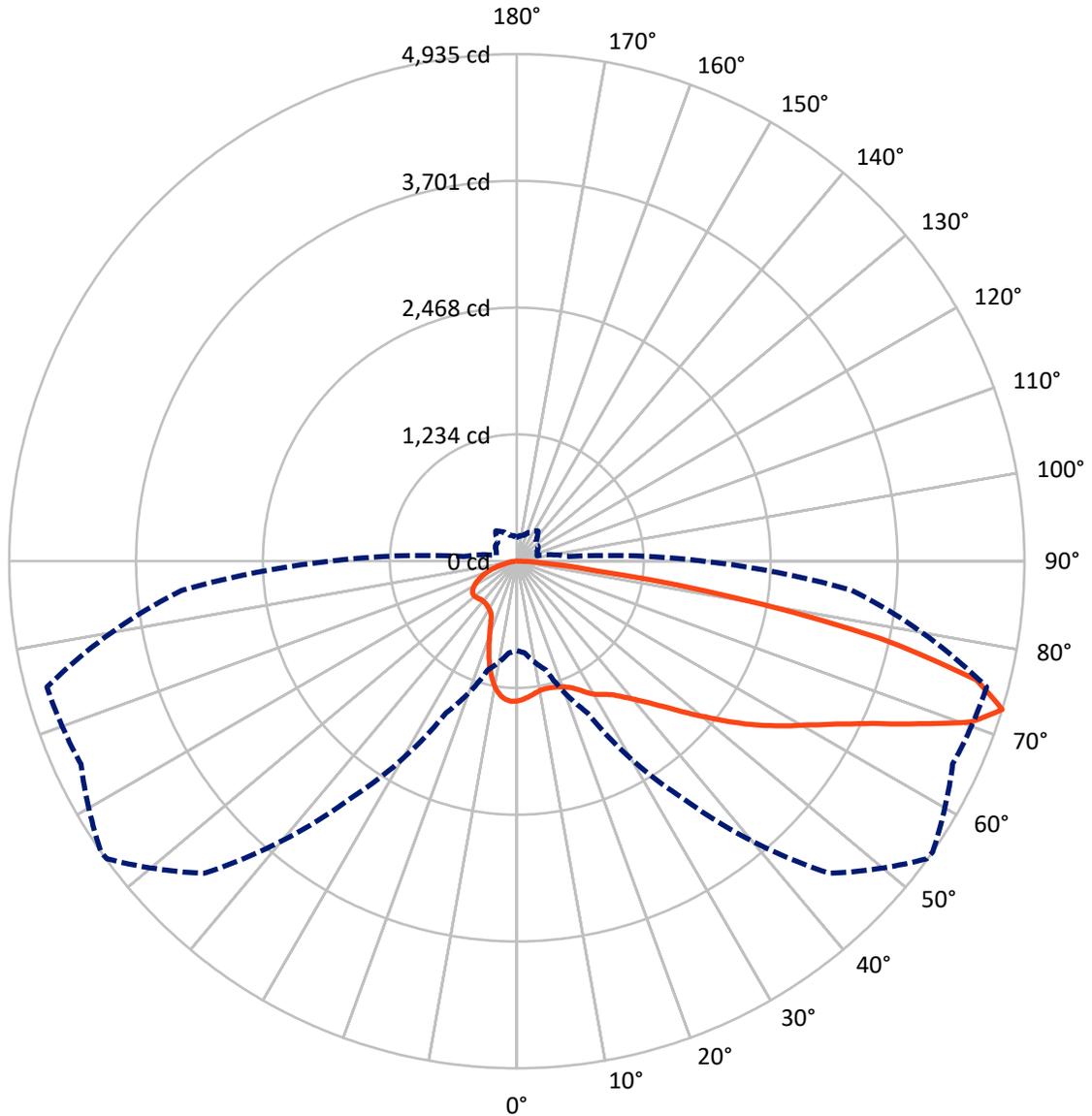
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1434.0	0.0	1434.0
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	6281.0	0.0	6281.0
	% Fixture	81.4	0.0	81.4
Total	Lumens	7715.0	0.0	7715.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	1.6
10°-20°	327.8	4.2
20°-30°	540.5	7.0
30°-40°	799.5	10.4
40°-50°	1116.0	14.5
50°-60°	1453.0	18.8
60°-70°	1785.8	23.1
70°-80°	1399.8	18.1
80°-90°	169.4	2.2
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°	7715.0	100.0
0°-180°	7715.0	100.0



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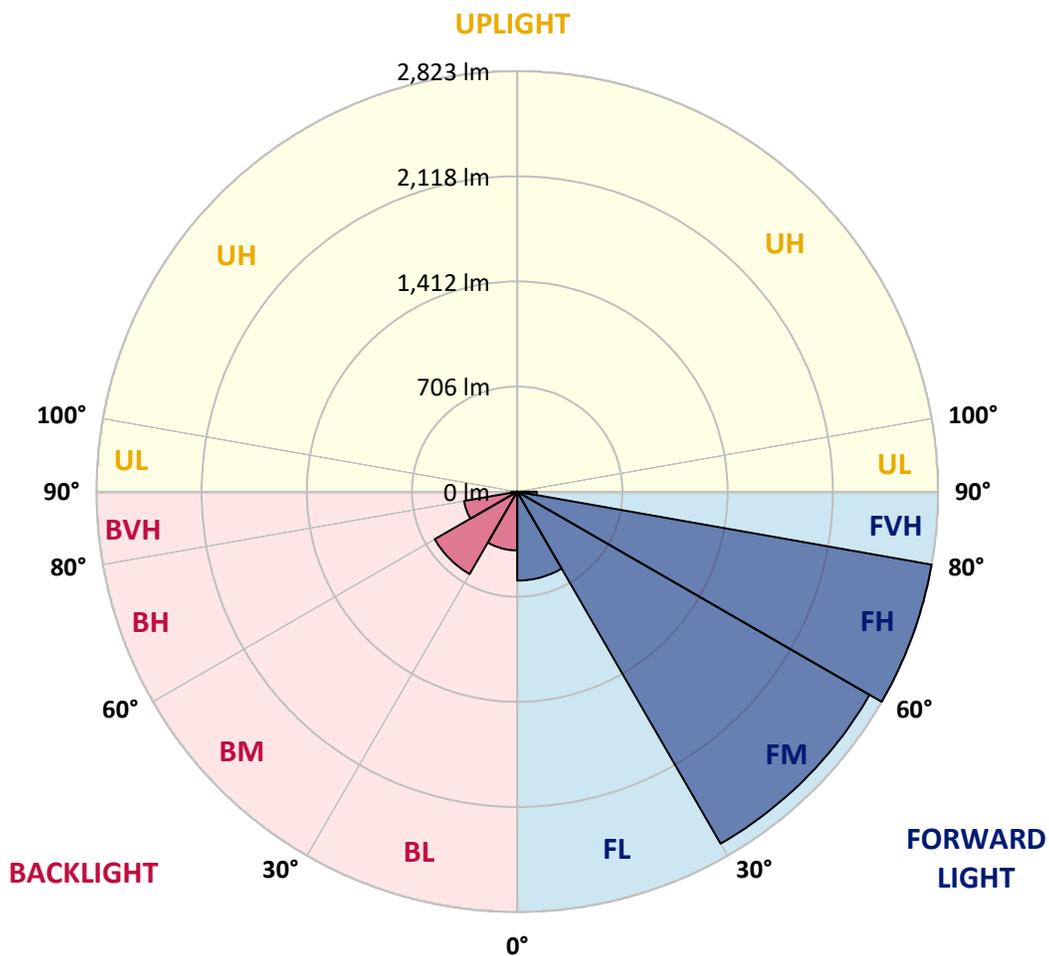
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	596.9	7.7			
FM	(30°-60°)	2729.7	35.4			
FH	(60°-80°)	2823.4	36.6			G2/5000
FVH	(80°-90°)	131.0	1.7			G2/225
BL	(0°-30°)	394.5	5.1	B1/500		
BM	(30°-60°)	638.8	8.3	B1/1000		
BH	(60°-80°)	362.1	4.7	B1/500		G1/500
BVH	(80°-90°)	38.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8
2.5°	1316.5	1313.3	1317.2	1322.7	1328.7	1336.8	1341.5	1343.6	1351.6	1354.8	1361.5
5°	1255.5	1253.9	1260.4	1269.8	1283.1	1301.9	1317.0	1319.8	1341.2	1356.3	1370.1
7.5°	1211.2	1211.2	1218.7	1229.9	1244.8	1270.1	1291.4	1295.4	1331.6	1364.1	1389.7
10°	1176.0	1177.3	1186.2	1199.5	1216.9	1243.8	1272.2	1276.6	1329.0	1382.4	1423.0
12.5°	1152.6	1155.7	1163.8	1175.7	1197.4	1229.9	1265.9	1271.9	1334.4	1408.4	1463.2
15°	1167.4	1172.6	1173.4	1178.4	1190.3	1225.8	1269.6	1275.8	1346.2	1435.0	1508.8
17.5°	1232.6	1234.4	1226.3	1215.9	1210.1	1232.8	1280.5	1287.0	1360.2	1461.3	1552.5
20°	1331.6	1330.5	1313.1	1284.9	1255.7	1259.4	1298.5	1305.3	1379.3	1484.5	1596.3
22.5°	1456.7	1453.0	1426.2	1374.3	1324.5	1303.7	1330.0	1335.7	1407.9	1517.6	1643.2
25°	1608.3	1600.2	1564.8	1495.2	1422.0	1368.3	1377.4	1382.9	1449.6	1554.6	1686.2
27.5°	1768.3	1760.2	1715.2	1631.0	1533.5	1449.9	1442.8	1447.5	1497.0	1582.0	1718.0
30°	1935.6	1927.0	1885.8	1791.5	1651.8	1534.3	1503.8	1505.6	1530.4	1596.8	1744.1
32.5°	2103.7	2095.6	2049.5	1940.0	1780.3	1625.0	1547.9	1545.5	1550.5	1612.2	1773.5
35°	2274.1	2277.2	2223.3	2102.1	1922.6	1725.8	1600.0	1595.0	1584.1	1643.8	1815.2
37.5°	2456.5	2454.4	2384.6	2257.9	2071.4	1835.3	1674.8	1674.0	1636.2	1703.4	1880.6
40°	2578.5	2579.8	2537.3	2417.4	2221.7	1956.5	1770.7	1768.8	1719.3	1792.8	1966.4
42.5°	2626.1	2634.7	2645.7	2569.6	2379.1	2096.9	1885.1	1882.4	1835.3	1921.0	2067.2
45°	2629.5	2646.7	2714.5	2704.8	2538.6	2257.7	2031.2	2023.9	1990.1	2091.4	2187.6
47.5°	2600.3	2618.1	2730.6	2785.4	2681.1	2427.3	2202.2	2196.4	2167.3	2304.6	2317.9
50°	2536.5	2553.4	2697.3	2824.7	2798.4	2590.4	2399.2	2384.1	2368.4	2550.8	2466.9
52.5°	2416.9	2449.5	2652.7	2834.1	2868.5	2735.3	2606.3	2596.4	2605.0	2810.6	2616.2
55°	2133.6	2170.1	2537.8	2826.3	2920.3	2857.0	2813.5	2813.0	2857.5	3083.2	2776.5
57.5°	1975.0	2000.7	2303.8	2813.0	2981.8	2977.9	3018.6	3023.5	3110.3	3380.0	2944.3
60°	1885.3	1912.4	2185.2	2763.7	3077.2	3134.3	3227.8	3237.7	3367.2	3708.6	3146.3
62.5°	1803.7	1833.5	2111.8	2663.4	3189.5	3357.9	3478.5	3487.4	3639.3	4046.3	3341.4
65°	1664.3	1698.0	2004.1	2597.5	3291.7	3649.5	3797.2	3803.2	3951.7	4400.2	3490.8
67.5°	1467.3	1498.1	1801.1	2451.8	3367.2	4003.6	4220.9	4224.3	4261.6	4650.1	3567.1
70°	1237.2	1249.0	1511.9	2151.1	3277.9	4334.8	4685.3	4686.0	4544.0	4810.1	3554.6
72.5°	869.3	896.9	1097.6	1628.4	2816.9	4294.4	4926.3	4935.2	4675.4	4729.3	3270.6
75°	533.2	562.3	688.5	986.8	1787.1	3377.4	4551.6	4613.1	4429.1	4216.7	2671.7
77.5°	356.5	367.4	449.2	575.4	809.6	1943.2	3499.4	3615.1	3679.4	3075.1	1708.6
80°	198.8	219.7	297.8	357.5	360.1	772.1	2098.2	2125.3	2047.1	1224.5	527.2
82.5°	105.3	116.7	198.8	210.0	196.5	258.5	782.0	782.8	654.1	328.3	156.6
85°	81.6	91.2	136.3	128.2	100.3	114.7	258.0	272.0	222.5	134.5	51.1
87.5°	40.7	50.6	92.5	81.3	39.3	32.8	92.2	98.5	87.8	52.6	18.5
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°	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8
2.5°	1364.1	1366.5	1369.4	1366.2	1365.2	1361.0	1354.0	1352.4	1348.8	1349.0	1351.1
5°	1376.1	1380.0	1378.5	1366.5	1352.2	1332.1	1311.2	1293.5	1281.8	1281.0	1280.2
7.5°	1399.1	1401.7	1389.4	1355.3	1315.2	1268.8	1225.0	1186.7	1163.5	1157.8	1156.5
10°	1435.0	1434.5	1400.9	1332.1	1252.1	1169.2	1098.9	1045.7	1014.7	1005.6	1003.2
12.5°	1475.2	1469.2	1404.8	1289.9	1163.0	1048.1	958.9	899.8	867.5	857.1	854.4
15°	1516.6	1501.7	1395.2	1226.8	1053.5	917.5	824.0	769.2	751.8	746.0	745.0
17.5°	1555.2	1526.5	1367.5	1141.3	928.7	787.5	714.5	692.6	696.8	704.4	704.6
20°	1592.9	1543.2	1323.2	1033.5	797.1	680.4	655.6	671.8	691.6	707.0	709.0
22.5°	1630.2	1554.9	1266.2	908.9	679.3	620.2	637.6	667.1	689.8	706.4	709.3
25°	1661.5	1557.8	1187.5	776.0	597.5	597.5	629.0	656.9	679.3	695.8	698.6
27.5°	1672.9	1538.5	1076.5	653.0	556.3	587.1	617.1	640.3	659.3	676.7	679.9
30°	1677.4	1502.8	948.3	554.3	539.4	575.9	600.9	620.7	638.7	655.1	658.0
32.5°	1678.1	1459.8	812.2	498.2	527.7	564.2	580.8	598.3	617.6	624.1	625.1
35°	1683.1	1409.0	668.9	469.6	516.7	553.2	566.5	579.0	547.7	550.1	552.2
37.5°	1697.4	1358.7	549.0	453.4	509.7	547.5	563.4	518.0	493.5	487.8	487.0
40°	1724.3	1305.0	460.2	440.4	507.1	550.3	543.3	483.6	441.4	409.9	405.2
42.5°	1761.5	1247.1	403.4	431.8	508.9	564.2	515.4	450.5	380.4	360.1	357.5
45°	1803.5	1186.4	372.6	425.8	515.2	574.8	509.7	406.5	352.0	336.7	335.4
47.5°	1844.1	1112.2	356.7	423.2	523.8	566.2	485.5	393.0	338.5	330.4	331.2
50°	1890.8	1045.2	347.1	420.3	531.3	560.8	458.1	385.9	333.3	343.2	353.6
52.5°	1930.1	975.9	338.5	414.6	534.2	551.1	451.1	387.2	333.3	352.3	362.2
55°	1976.8	923.5	328.6	402.6	528.7	523.8	446.1	395.0	337.2	325.2	326.2
57.5°	2037.0	906.3	317.6	383.8	510.5	483.9	443.8	402.6	334.8	327.3	329.9
60°	2120.4	924.5	313.2	359.3	482.1	452.6	444.0	398.7	318.4	305.4	305.7
62.5°	2199.8	944.9	313.0	344.0	447.2	424.7	438.0	385.9	310.1	302.5	305.4
65°	2225.9	924.3	300.5	326.8	407.8	391.4	427.1	372.4	303.8	292.4	291.9
67.5°	2191.0	860.4	275.2	298.9	362.7	352.6	412.8	356.2	293.9	284.6	283.0
70°	2087.3	717.9	243.9	262.1	311.4	308.8	390.1	337.5	280.6	272.6	265.8
72.5°	1808.2	511.5	205.6	218.1	253.5	261.9	358.8	313.0	261.9	244.4	234.0
75°	1485.1	378.6	168.9	171.5	192.6	215.2	315.8	284.3	239.7	210.0	202.0
77.5°	909.4	231.7	134.5	135.5	138.1	171.7	260.1	252.2	211.6	175.1	169.4
80°	294.5	126.4	97.2	102.1	94.3	125.9	201.2	214.7	181.6	146.4	140.2
82.5°	112.1	73.7	65.7	69.1	65.4	84.4	146.7	172.0	148.8	120.4	98.0
85°	54.2	41.7	38.8	43.5	40.4	43.3	93.8	126.6	112.8	78.4	73.0
87.5°	19.3	18.5	14.9	20.1	17.2	15.4	28.7	63.8	74.5	53.9	48.2
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)