

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: P1208258

Luminaire Tested: UPW-SA1-060-727-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-727-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6058 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 59
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

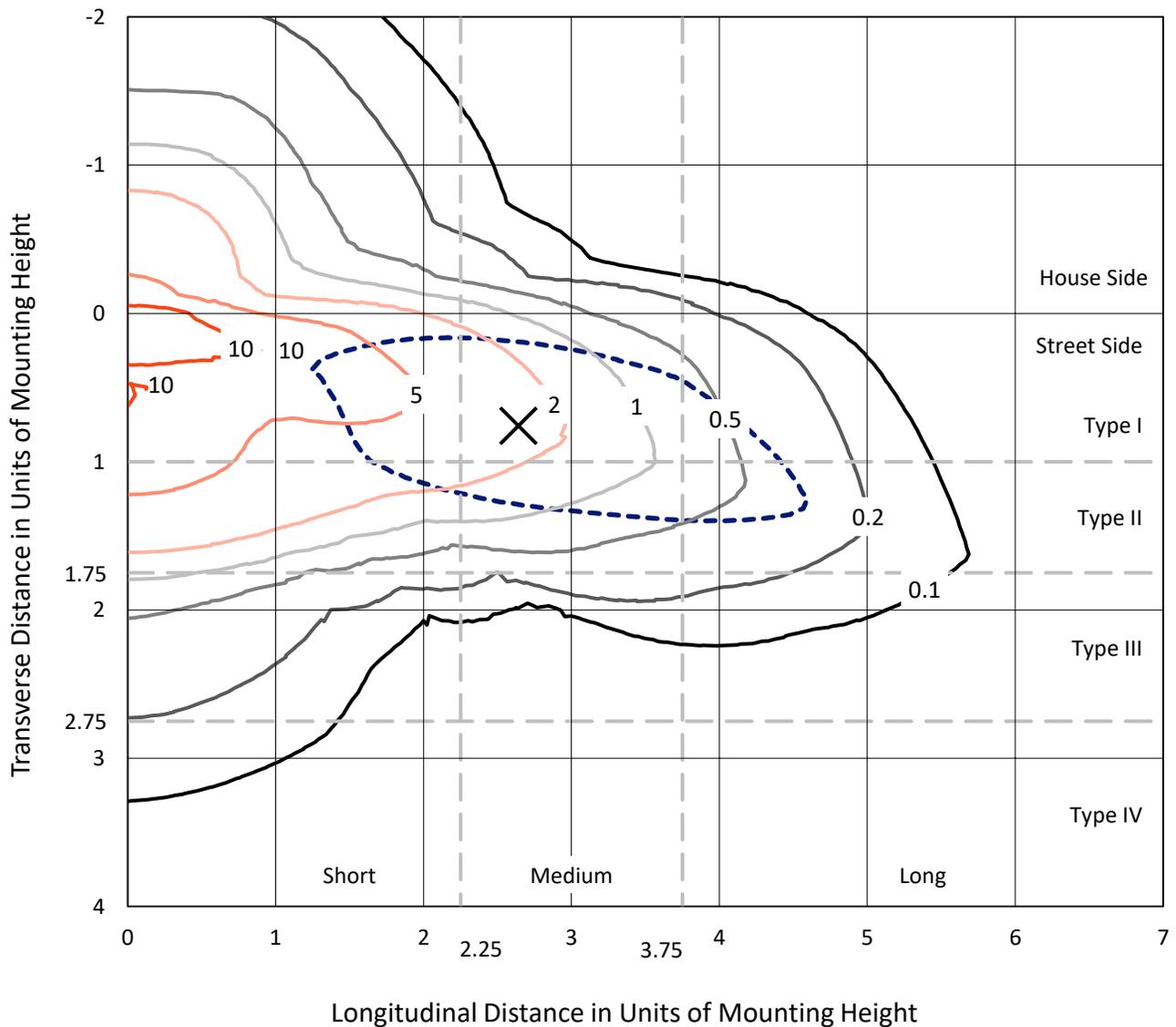


REPORT NUMBER: P1208258

CATALOG NUMBER: UPW-SA1-060-727-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

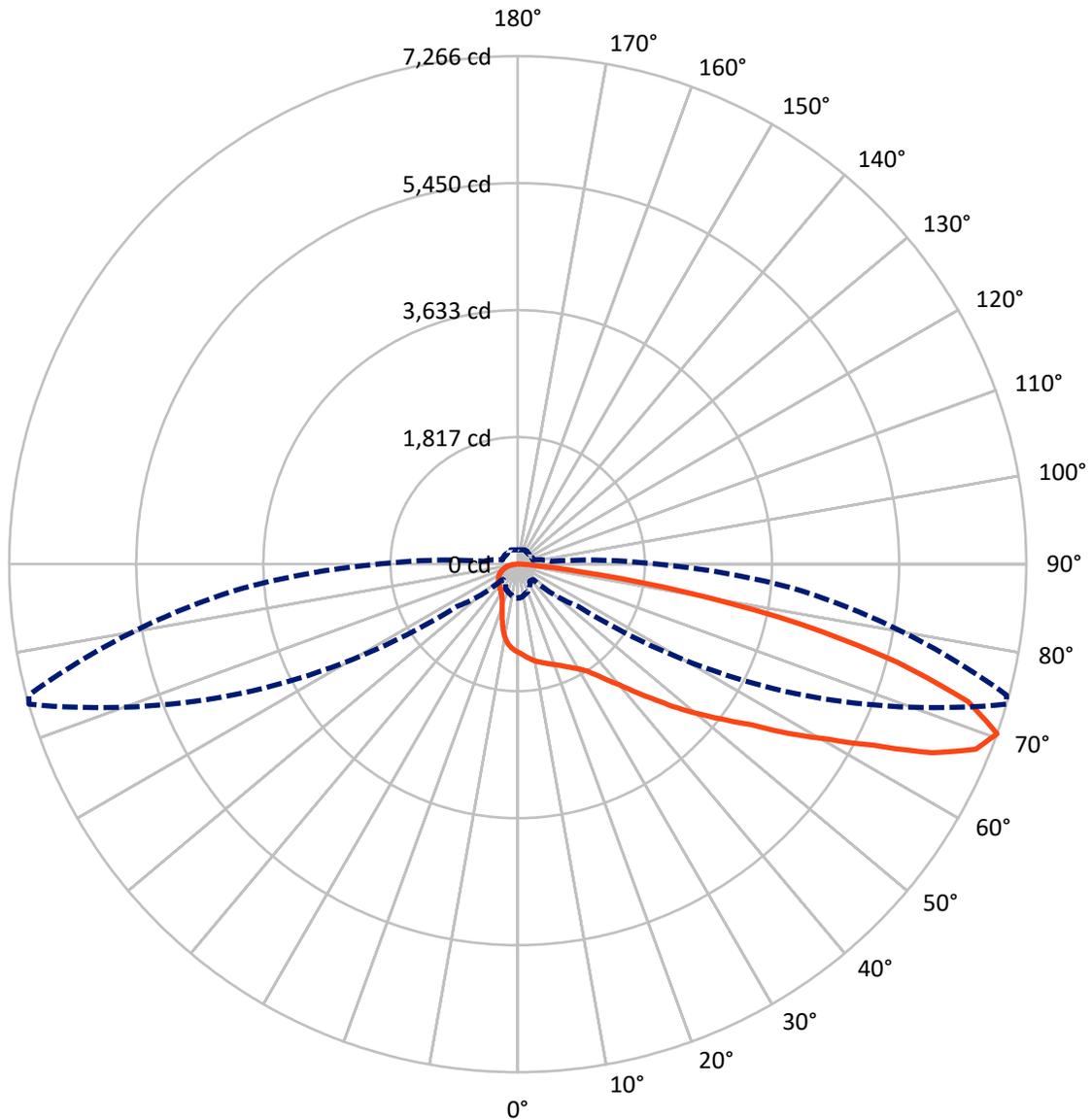


Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type II - Medium - N/A

REPORT NUMBER: P1208258

CATALOG NUMBER: UPW-SA1-060-727-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P1208258

CATALOG NUMBER: UPW-SA1-060-727-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1108.8	0.0	1108.8
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	4949.2	0.0	4949.2
	% Fixture	81.7	0.0	81.7
Total	Lumens	6058.0	0.0	6058.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	1.8
10°-20°	291.5	4.8
20°-30°	461.5	7.6
30°-40°	687.7	11.4
40°-50°	948.3	15.7
50°-60°	1271.8	21.0
60°-70°	1319.9	21.8
70°-80°	835.2	13.8
80°-90°	131.5	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°	6058.0	100.0
0°-180°	6058.0	100.0



REPORT NUMBER: P1208258

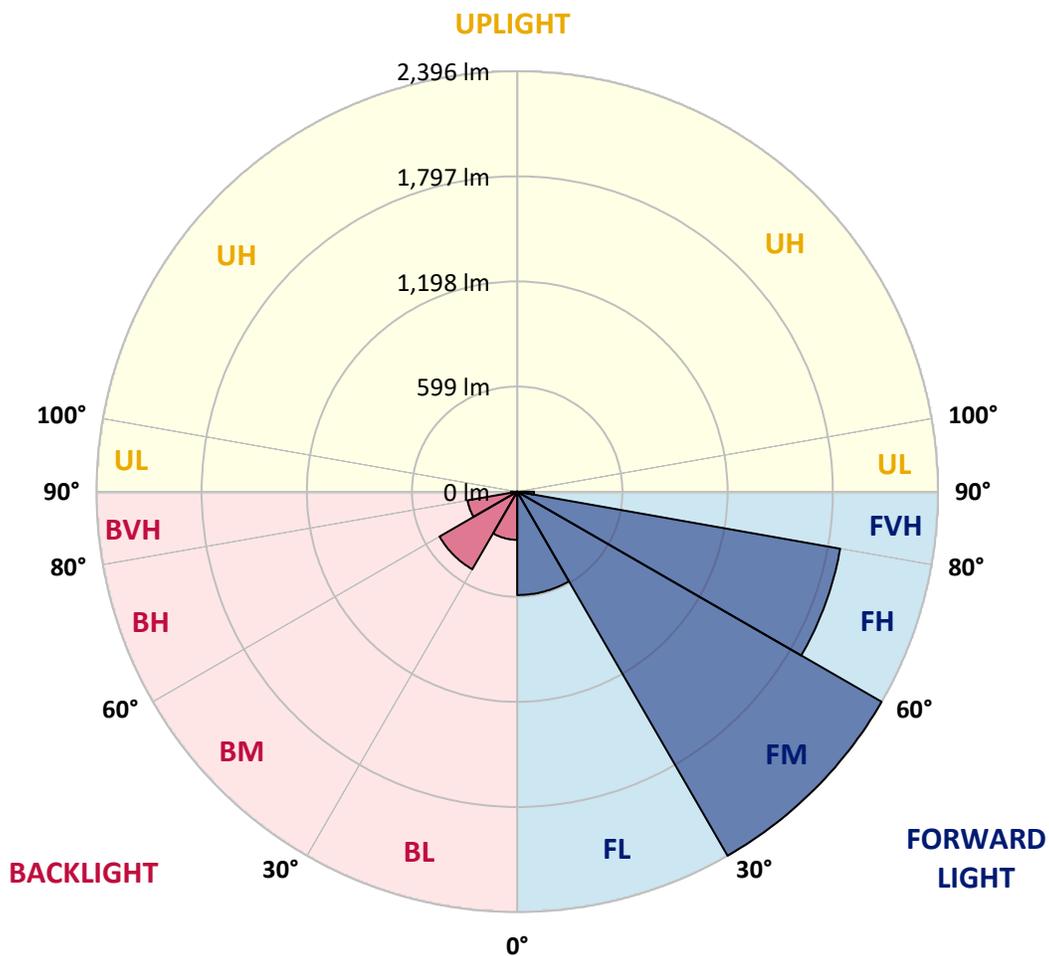
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	589.3	9.7			
FM (30°-60°)	2396.5	39.6			
FH (60°-80°)	1867.8	30.8			G2/5000
FVH (80°-90°)	95.5	1.6			G1/100
BL (0°-30°)	274.4	4.5	B1/500		
BM (30°-60°)	511.3	8.4	B1/1000		
BH (60°-80°)	287.2	4.7	B1/500		G1/500
BVH (80°-90°)	35.9	0.6			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 II Medium





REPORT NUMBER: P1208258

CATALOG NUMBER: UPW-SA1-060-727-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5
2.5°	1348.9	1346.9	1342.2	1342.2	1340.1	1335.4	1321.8	1307.6	1294.0	1292.7	1275.1
5°	1404.5	1401.1	1400.5	1400.5	1397.7	1393.0	1374.7	1355.0	1335.4	1331.3	1299.5
7.5°	1431.0	1428.2	1428.9	1432.3	1437.7	1433.7	1417.4	1400.5	1374.0	1370.6	1323.2
10°	1416.7	1418.8	1426.9	1445.9	1459.4	1466.9	1453.3	1437.7	1410.6	1406.6	1342.2
12.5°	1326.6	1332.7	1358.4	1407.2	1458.8	1487.2	1486.5	1470.3	1437.7	1434.3	1357.1
15°	1190.3	1182.9	1230.3	1308.3	1401.8	1482.5	1508.9	1501.5	1468.9	1464.2	1374.7
17.5°	1123.2	1123.9	1144.9	1193.0	1296.1	1443.8	1521.1	1532.6	1502.1	1496.0	1394.4
20°	1150.3	1149.6	1151.7	1168.0	1217.4	1365.2	1521.8	1566.5	1534.7	1530.6	1412.0
22.5°	1227.6	1224.9	1218.8	1205.2	1206.6	1295.4	1512.3	1603.8	1576.0	1567.9	1424.2
25°	1335.4	1328.6	1308.9	1278.4	1245.9	1274.4	1487.9	1647.2	1623.5	1614.7	1437.1
27.5°	1458.1	1456.7	1435.7	1377.4	1315.7	1300.8	1460.1	1694.6	1679.7	1667.5	1451.3
30°	1584.8	1577.4	1557.7	1495.4	1417.4	1358.4	1452.0	1746.8	1739.4	1723.8	1462.8
32.5°	1654.0	1650.6	1637.7	1599.7	1532.0	1441.8	1475.7	1800.4	1824.8	1813.3	1487.9
35°	1708.9	1702.8	1689.2	1673.6	1639.1	1551.6	1530.6	1864.8	1952.2	1931.9	1541.5
37.5°	1761.1	1754.3	1744.8	1729.9	1707.5	1656.7	1610.6	1952.9	2113.6	2099.3	1622.8
40°	1819.4	1811.9	1799.7	1789.5	1758.4	1742.8	1685.8	2037.0	2286.4	2279.6	1720.4
42.5°	1863.4	1855.3	1849.2	1842.4	1808.5	1779.4	1744.8	2117.0	2519.6	2502.7	1849.9
45°	1896.0	1891.2	1891.2	1883.1	1860.7	1780.7	1786.2	2224.1	2770.4	2765.0	2028.8
47.5°	1931.2	1925.1	1928.5	1921.1	1914.3	1782.1	1837.0	2367.1	3072.1	3067.3	2228.8
50°	1973.2	1967.1	1980.7	1969.9	1972.6	1822.8	1909.5	2546.0	3370.3	3358.8	2441.6
52.5°	1978.7	1977.3	2011.2	2035.6	2055.3	1915.6	2032.2	2759.6	3696.4	3696.4	2689.7
55°	1868.9	1866.1	1931.9	2035.6	2146.1	2093.9	2260.0	3093.7	4057.0	4066.5	2910.7
57.5°	1517.7	1530.6	1641.8	1845.8	2141.4	2348.1	2596.9	3500.5	4565.4	4534.2	3127.6
60°	965.3	984.3	1073.1	1353.7	1821.4	2390.8	2959.5	4017.0	5081.2	5021.6	3414.4
62.5°	637.9	621.6	623.0	755.1	1172.0	2009.2	3030.7	4629.1	5703.5	5660.1	3669.2
65°	567.4	555.8	498.2	463.7	569.4	1254.7	2577.2	5070.4	6503.4	6382.0	3864.5
67.5°	538.2	526.7	473.1	419.6	358.6	641.3	1831.6	4989.0	7061.9	6985.3	4008.9
70°	487.4	480.6	437.2	395.9	299.6	309.8	1056.8	4379.6	7266.0	7229.4	3943.1
72.5°	423.7	415.5	386.4	357.9	263.0	228.4	507.0	3472.0	6729.8	6727.1	3664.5
75°	347.1	340.3	316.6	307.1	222.3	187.1	288.1	2438.3	5606.6	5576.7	3257.1
77.5°	284.0	274.5	258.3	250.8	184.4	150.5	202.7	1702.1	4137.6	4059.7	2279.6
80°	206.1	200.0	184.4	202.0	145.7	116.6	150.5	1058.8	2431.5	2272.9	854.1
82.5°	125.4	113.2	127.4	154.6	107.8	83.4	110.5	590.4	871.7	766.0	254.9
85°	58.3	59.7	74.6	99.0	64.4	48.8	69.1	258.3	252.8	242.0	107.1
87.5°	9.5	10.2	28.5	43.4	27.1	16.3	27.8	56.9	95.6	98.3	46.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1208258

CATALOG NUMBER: UPW-SA1-060-727-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5
2.5°	1264.2	1253.4	1233.7	1212.0	1187.6	1165.2	1155.7	1124.6	1117.1	1115.1	1099.5
5°	1277.1	1253.4	1201.8	1140.8	1069.7	1005.3	934.1	877.1	845.3	842.6	846.6
7.5°	1290.0	1252.7	1158.5	1035.1	909.0	784.3	708.4	663.6	632.4	625.0	627.0
10°	1296.7	1243.2	1092.0	902.2	728.0	637.2	593.8	578.2	573.5	569.4	569.4
12.5°	1298.1	1222.2	1003.9	759.2	621.6	577.5	565.3	561.3	560.6	559.9	558.6
15°	1299.5	1195.7	891.4	648.7	573.5	559.2	554.5	553.8	555.2	554.5	554.5
17.5°	1298.1	1159.8	782.2	585.0	555.8	550.4	547.7	547.0	549.1	548.4	547.7
20°	1293.4	1113.7	675.8	552.5	543.6	542.3	538.9	536.2	538.9	539.6	538.9
22.5°	1275.1	1045.9	599.2	532.1	532.1	532.1	528.1	524.7	529.4	530.8	531.4
25°	1246.6	964.6	542.3	515.2	518.6	517.2	517.2	516.5	521.3	522.6	523.3
27.5°	1216.8	879.9	502.3	496.9	502.3	505.7	511.8	512.5	512.5	511.1	510.4
30°	1178.8	787.7	476.5	480.6	488.1	500.3	511.1	509.7	505.0	500.3	500.9
32.5°	1148.3	713.1	451.5	466.4	479.9	497.5	507.0	509.1	508.4	500.3	500.3
35°	1136.8	653.5	434.5	454.2	474.5	490.8	494.8	503.6	502.3	492.1	491.4
37.5°	1144.2	605.3	419.6	441.3	466.4	474.5	483.3	485.3	468.4	457.6	454.8
40°	1160.5	570.1	406.0	425.0	452.8	459.6	471.8	453.5	439.3	430.4	431.8
42.5°	1205.9	555.2	393.8	406.7	432.5	448.1	443.3	437.9	418.2	404.0	402.6
45°	1277.8	554.5	383.0	387.7	409.4	425.7	425.0	418.9	397.9	383.0	381.0
47.5°	1376.1	568.0	371.5	370.1	387.7	397.9	407.4	397.9	376.2	359.3	357.2
50°	1493.3	603.3	360.6	351.8	364.0	379.6	384.3	377.6	357.2	341.0	338.9
52.5°	1634.3	652.1	351.1	335.5	338.9	360.6	371.5	365.4	342.3	324.7	322.0
55°	1771.2	698.2	338.3	318.6	313.2	343.0	359.9	359.3	325.4	307.1	305.7
57.5°	1911.6	741.6	324.0	304.4	295.5	324.0	347.7	350.5	307.7	288.1	288.1
60°	2053.9	772.1	306.4	289.4	284.7	303.0	329.4	330.1	292.2	277.2	278.6
62.5°	2170.5	753.8	288.8	275.2	271.8	282.7	309.1	315.2	290.8	274.5	275.9
65°	2220.0	692.8	269.1	261.7	256.2	260.3	284.7	292.2	266.4	248.1	250.1
67.5°	2188.1	604.0	249.5	246.1	238.6	237.3	252.8	257.6	238.6	227.1	225.7
70°	1999.0	482.0	225.7	225.7	218.9	212.8	221.0	225.0	210.1	203.4	204.7
72.5°	1729.9	391.8	202.7	205.4	195.9	187.8	192.5	194.5	185.7	182.3	181.0
75°	1496.7	327.4	179.6	183.7	173.5	160.7	166.1	166.1	158.6	157.9	157.3
77.5°	1091.4	246.1	154.6	159.3	151.2	134.9	136.2	136.9	134.2	134.2	134.9
80°	467.0	150.5	126.1	133.5	125.4	105.7	109.8	109.8	116.6	133.5	130.8
82.5°	155.2	89.5	95.6	105.1	96.3	78.6	83.4	89.5	115.2	110.5	105.1
85°	66.4	49.5	61.0	66.4	61.7	47.5	54.2	93.5	85.4	82.7	83.4
87.5°	22.4	21.0	25.8	30.5	21.7	14.9	27.8	56.9	55.6	42.0	40.7
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)