

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: P1208746

Luminaire Tested: UPW-SA2-070-727-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-727-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7718 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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

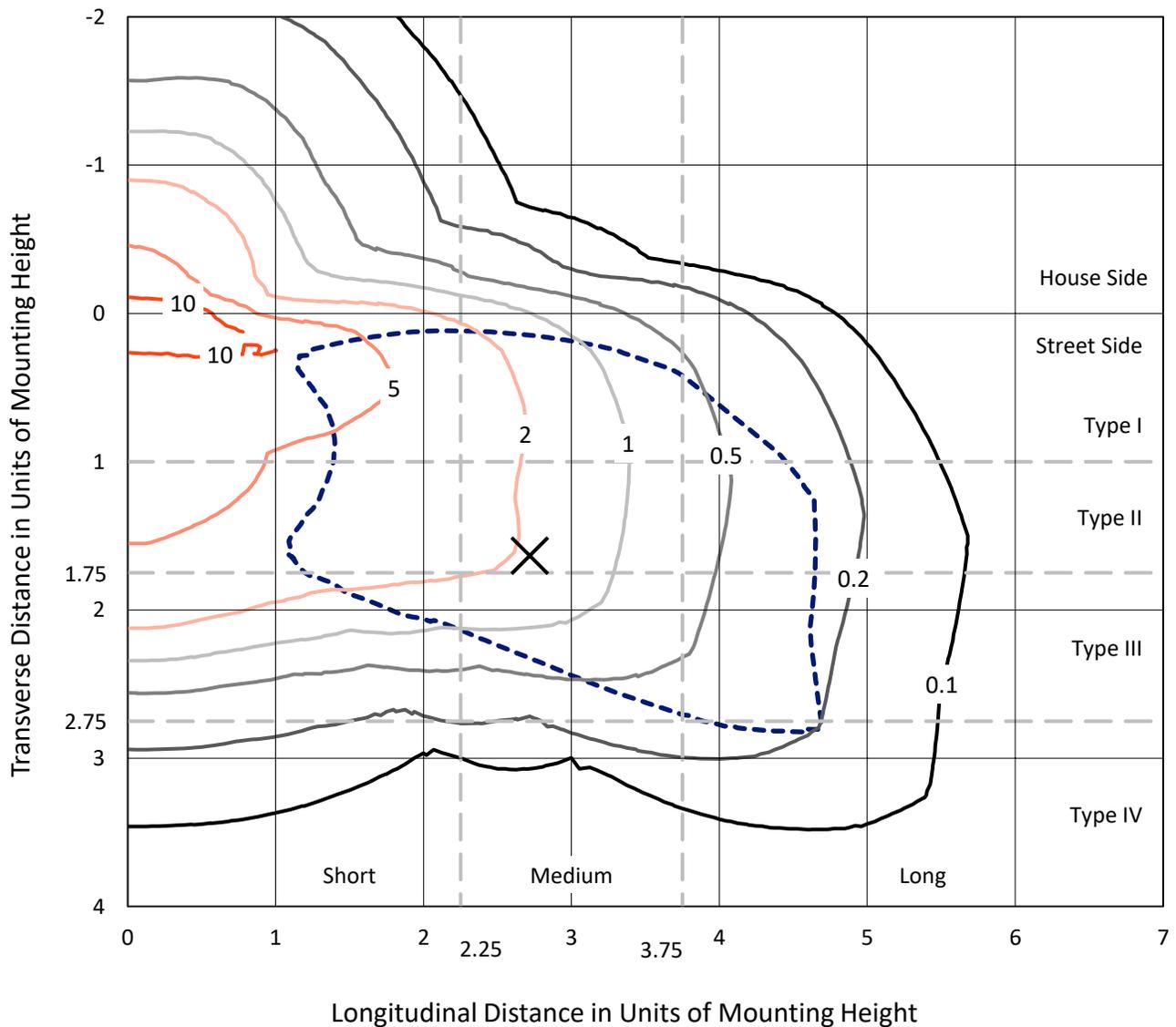


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

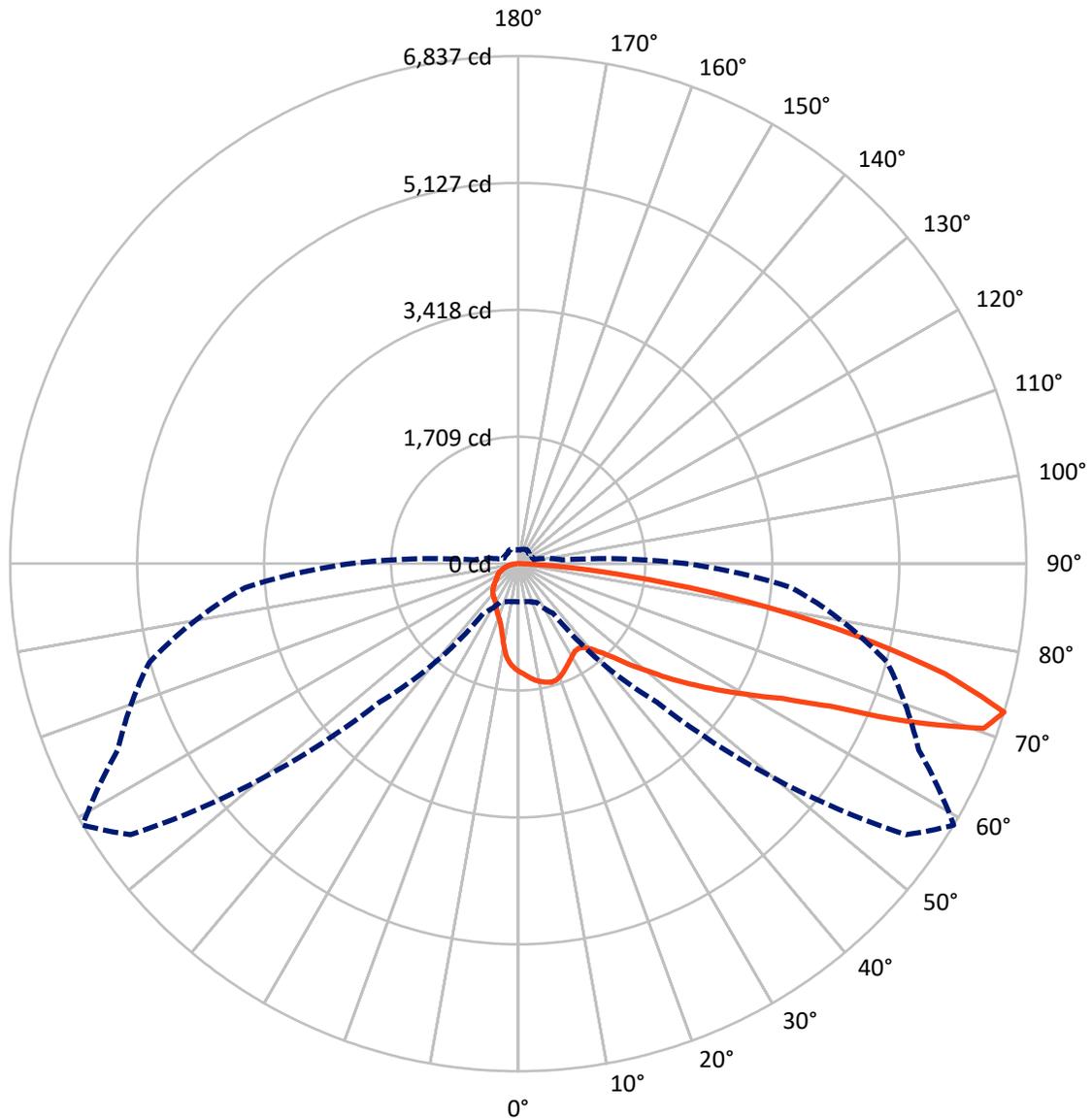


Based on 10 foot mounting height. Maximum calculated value = 15.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1313.3	0.0	1313.3
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	6404.7	0.0	6404.7
	% Fixture	83.0	0.0	83.0
Total	Lumens	7718.0	0.0	7718.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.6	1.7
10°-20°	333.4	4.3
20°-30°	490.3	6.4
30°-40°	673.6	8.7
40°-50°	1006.2	13.0
50°-60°	1533.5	19.9
60°-70°	1965.5	25.5
70°-80°	1358.7	17.6
80°-90°	226.1	2.9
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°	7718.0	100.0
0°-180°	7718.0	100.0



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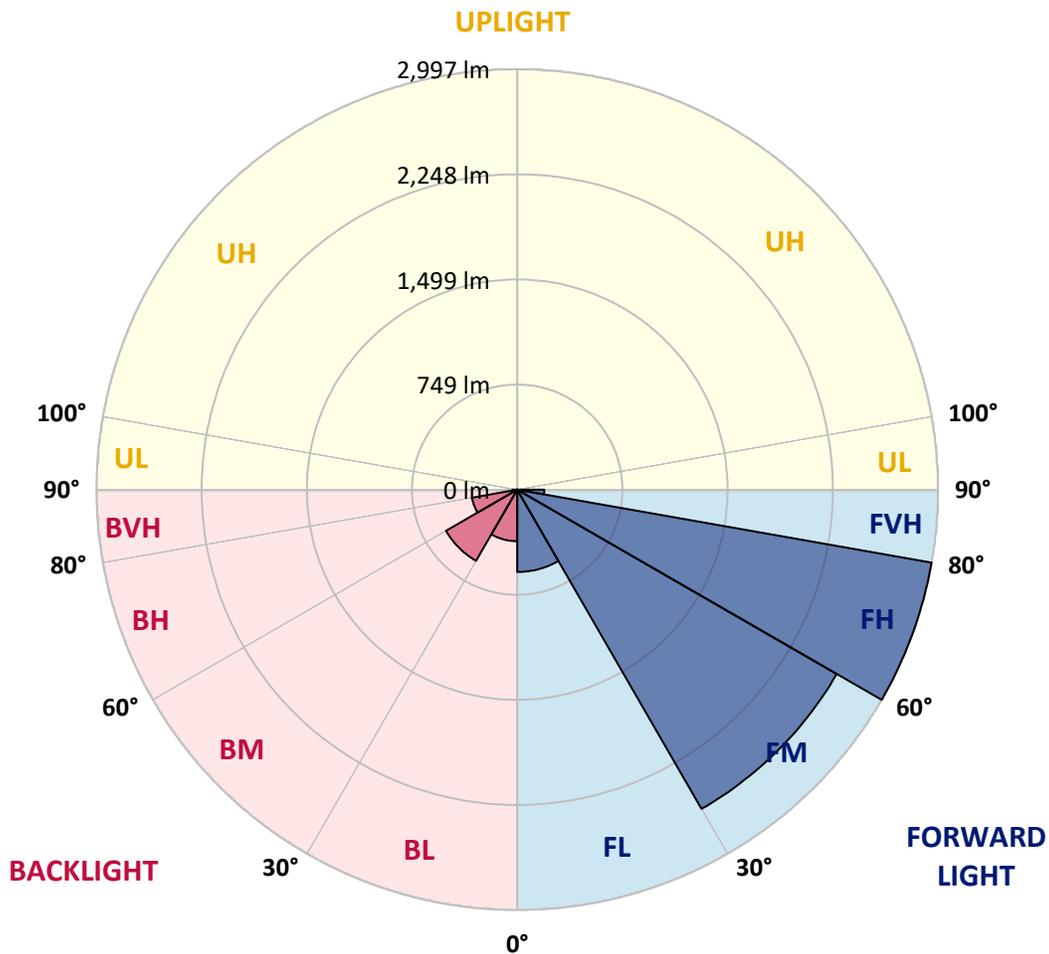
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	586.8	7.6			
FM (30°-60°)	2627.7	34.0			
FH (60°-80°)	2997.4	38.8			G2/5000
FVH (80°-90°)	192.8	2.5			G2/225
BL (0°-30°)	367.5	4.8	B1/500		
BM (30°-60°)	585.7	7.6	B1/1000		
BH (60°-80°)	326.8	4.2	B1/500		G1/500
BVH (80°-90°)	33.2	0.4			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1453.1	1453.1	1453.1	1453.1	1453.1	1453.1	1453.1	1453.1	1453.1	1453.1	1453.1
2.5°	1515.2	1510.9	1513.0	1516.2	1507.7	1508.8	1498.1	1489.5	1483.1	1478.8	1469.2
5°	1552.6	1541.9	1546.2	1555.8	1546.2	1554.8	1543.0	1536.6	1525.9	1519.5	1498.1
7.5°	1521.6	1514.1	1524.8	1549.4	1561.2	1583.7	1585.8	1581.5	1577.2	1563.3	1536.6
10°	1378.2	1373.9	1401.8	1467.0	1521.6	1576.2	1612.6	1612.6	1614.7	1605.1	1573.0
12.5°	1196.3	1193.1	1229.5	1309.7	1416.7	1541.9	1628.6	1638.2	1655.4	1652.1	1611.5
15°	1075.4	1073.3	1102.1	1166.3	1276.6	1454.2	1626.5	1658.6	1693.9	1701.4	1651.1
17.5°	1013.3	1013.3	1033.7	1082.9	1158.9	1332.2	1579.4	1650.0	1721.7	1757.0	1696.0
20°	996.2	994.1	1005.8	1035.8	1088.2	1223.1	1508.8	1620.0	1743.1	1802.0	1724.9
22.5°	1004.8	1002.6	1006.9	1021.9	1051.9	1150.3	1432.8	1575.1	1754.9	1841.5	1750.6
25°	1046.5	1044.4	1039.0	1037.9	1044.4	1116.1	1355.7	1524.8	1766.6	1898.3	1781.6
27.5°	1127.8	1121.4	1103.2	1086.1	1069.0	1108.6	1306.5	1479.9	1781.6	1945.3	1800.9
30°	1232.7	1230.5	1208.1	1176.0	1119.3	1125.7	1275.5	1438.1	1781.6	1981.7	1799.8
32.5°	1309.7	1310.8	1306.5	1287.3	1207.0	1164.2	1263.7	1403.9	1778.4	2032.0	1804.1
35°	1391.1	1391.1	1380.4	1380.4	1327.9	1239.1	1280.8	1400.7	1796.6	2115.5	1835.1
37.5°	1529.1	1527.0	1504.5	1482.0	1443.5	1360.0	1331.1	1431.7	1846.9	2249.2	1876.9
40°	1711.0	1715.3	1669.3	1607.2	1562.3	1500.2	1425.3	1510.9	1925.0	2408.7	1930.4
42.5°	1930.4	1942.1	1870.4	1784.8	1706.7	1625.4	1556.9	1637.2	2063.0	2635.5	2022.4
45°	2200.0	2188.2	2098.4	1983.9	1881.1	1743.1	1701.4	1800.9	2242.8	2942.6	2163.6
47.5°	2434.3	2440.8	2330.6	2205.4	2078.0	1886.5	1884.3	2040.6	2480.4	3257.2	2326.3
50°	2662.3	2681.5	2559.5	2427.9	2292.0	2047.0	2115.5	2278.1	2735.0	3578.2	2527.4
52.5°	2841.0	2853.8	2740.4	2627.0	2492.1	2258.9	2388.3	2583.1	2992.9	3885.3	2758.6
55°	2982.2	3000.4	2873.1	2778.9	2676.2	2490.0	2700.8	2883.8	3260.4	4171.0	2995.0
57.5°	3173.7	3184.4	3023.9	2941.5	2845.2	2753.2	3044.3	3221.9	3547.2	4413.9	3240.1
60°	3320.3	3326.8	3160.9	3135.2	3133.1	3116.0	3426.3	3584.6	3816.8	4640.8	3490.5
62.5°	3193.0	3193.0	3078.5	3150.2	3410.2	3712.0	3955.9	4003.0	4095.1	4861.2	3731.2
65°	2529.6	2555.3	2568.1	2808.9	3389.9	4321.9	4834.5	4626.9	4442.8	5063.4	3928.1
67.5°	1327.9	1379.3	1498.1	1913.2	2795.0	4544.5	5960.1	5685.1	4936.1	5199.3	4005.2
70°	676.3	691.2	753.3	985.5	1759.1	3959.2	6628.9	6645.0	5524.6	5258.2	3949.5
72.5°	513.6	513.6	527.5	573.5	813.2	2640.9	6366.8	6836.5	5946.2	5139.4	3687.4
75°	428.0	433.4	461.2	467.6	410.9	1370.7	5164.0	5931.2	5497.9	4703.9	3220.8
77.5°	343.5	346.7	390.6	416.2	277.1	586.4	3765.5	4629.0	4239.5	3801.9	2268.5
80°	259.0	264.3	303.9	356.3	205.4	281.4	2537.1	3166.3	2652.6	2330.6	1047.6
82.5°	173.3	175.5	207.6	281.4	151.9	156.2	1494.8	1774.1	1289.4	873.2	275.0
85°	105.9	108.1	129.5	181.9	100.6	83.5	663.4	685.9	407.7	207.6	98.4
87.5°	48.2	53.5	67.4	87.7	50.3	34.2	111.3	109.1	80.3	74.9	41.7
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°	1453.1	1453.1	1453.1	1453.1	1453.1	1453.1	1453.1	1453.1	1453.1	1453.1	1453.1
2.5°	1455.3	1443.5	1431.7	1415.7	1401.8	1378.2	1362.2	1346.1	1337.6	1335.4	1332.2
5°	1480.9	1460.6	1426.4	1381.4	1332.2	1276.6	1224.1	1178.1	1147.1	1137.5	1141.7
7.5°	1510.9	1482.0	1414.6	1327.9	1228.4	1119.3	1027.2	967.3	929.9	908.5	912.7
10°	1537.7	1495.9	1388.9	1243.4	1073.3	936.3	863.5	821.8	802.5	800.4	799.3
12.5°	1564.4	1509.8	1349.3	1122.5	934.1	826.1	789.7	777.9	775.8	777.9	776.9
15°	1595.4	1517.3	1281.9	997.3	835.7	780.1	768.3	765.1	766.2	771.5	770.4
17.5°	1621.1	1514.1	1177.0	883.9	783.3	757.6	746.9	741.5	746.9	756.5	756.5
20°	1629.7	1483.1	1056.1	804.7	754.4	733.0	718.0	709.4	715.9	727.6	729.8
22.5°	1623.3	1424.2	932.0	749.0	724.4	704.1	688.0	679.5	682.7	691.2	692.3
25°	1613.6	1347.2	822.9	706.2	685.9	669.8	665.6	654.9	649.5	654.9	655.9
27.5°	1584.7	1245.5	733.0	662.4	643.1	645.2	643.1	633.5	626.0	624.9	627.0
30°	1520.5	1104.3	665.6	617.4	611.0	622.8	622.8	608.9	594.9	592.8	596.0
32.5°	1443.5	959.8	609.9	580.0	592.8	599.2	599.2	587.5	573.5	565.0	569.3
35°	1367.5	822.9	567.1	554.3	578.9	584.2	578.9	574.6	552.1	530.7	536.1
37.5°	1279.8	705.2	529.7	535.0	562.8	565.0	565.0	550.0	520.0	501.8	506.1
40°	1184.5	616.3	498.6	517.9	545.7	545.7	537.2	527.5	512.6	494.4	496.5
42.5°	1123.5	556.4	475.1	499.7	519.0	525.4	506.1	513.6	500.8	481.5	483.7
45°	1115.0	519.0	455.8	471.9	489.0	486.9	487.9	493.3	481.5	455.8	454.8
47.5°	1167.4	507.2	437.6	440.9	455.8	463.3	469.7	471.9	454.8	426.9	422.7
50°	1284.1	527.5	419.5	413.0	425.9	443.0	449.4	452.6	432.3	403.4	399.1
52.5°	1463.8	590.7	403.4	389.5	388.4	418.4	436.6	445.1	413.0	382.0	379.9
55°	1662.8	676.3	382.0	369.2	357.4	399.1	425.9	435.5	394.8	354.2	351.0
57.5°	1874.7	777.9	357.4	348.8	334.9	380.9	406.6	414.1	367.0	321.0	318.9
60°	2096.2	868.9	333.9	326.4	318.9	356.3	383.1	385.2	341.3	295.3	293.2
62.5°	2296.3	930.9	311.4	302.8	302.8	327.4	355.3	353.1	314.6	271.8	269.7
65°	2444.0	923.4	291.1	280.4	284.6	296.4	321.0	313.5	285.7	249.3	247.2
67.5°	2503.9	844.3	271.8	260.0	261.1	264.3	284.6	279.3	256.8	226.8	225.8
70°	2441.8	701.9	247.2	232.2	230.1	231.1	251.5	241.8	225.8	206.5	205.4
72.5°	2256.7	588.5	219.4	206.5	202.2	199.0	216.1	211.9	200.1	184.0	185.1
75°	1978.5	508.3	189.4	180.8	173.3	170.1	184.0	181.9	173.3	162.6	162.6
77.5°	1382.5	371.3	156.2	153.0	148.7	142.3	153.0	154.1	148.7	145.5	144.5
80°	599.2	207.6	123.1	125.2	119.8	115.6	124.1	125.2	129.5	125.2	126.3
82.5°	173.3	102.7	88.8	95.2	93.1	88.8	93.1	102.7	96.3	84.5	86.7
85°	64.2	49.2	55.6	59.9	56.7	44.9	58.9	67.4	61.0	56.7	57.8
87.5°	24.6	18.2	23.5	20.3	16.1	11.8	20.3	22.5	30.0	11.8	9.6
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)