

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: P1208788

Luminaire Tested: UPW-SA2-070-730-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208788
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-SA2-070-730-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9056 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - 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

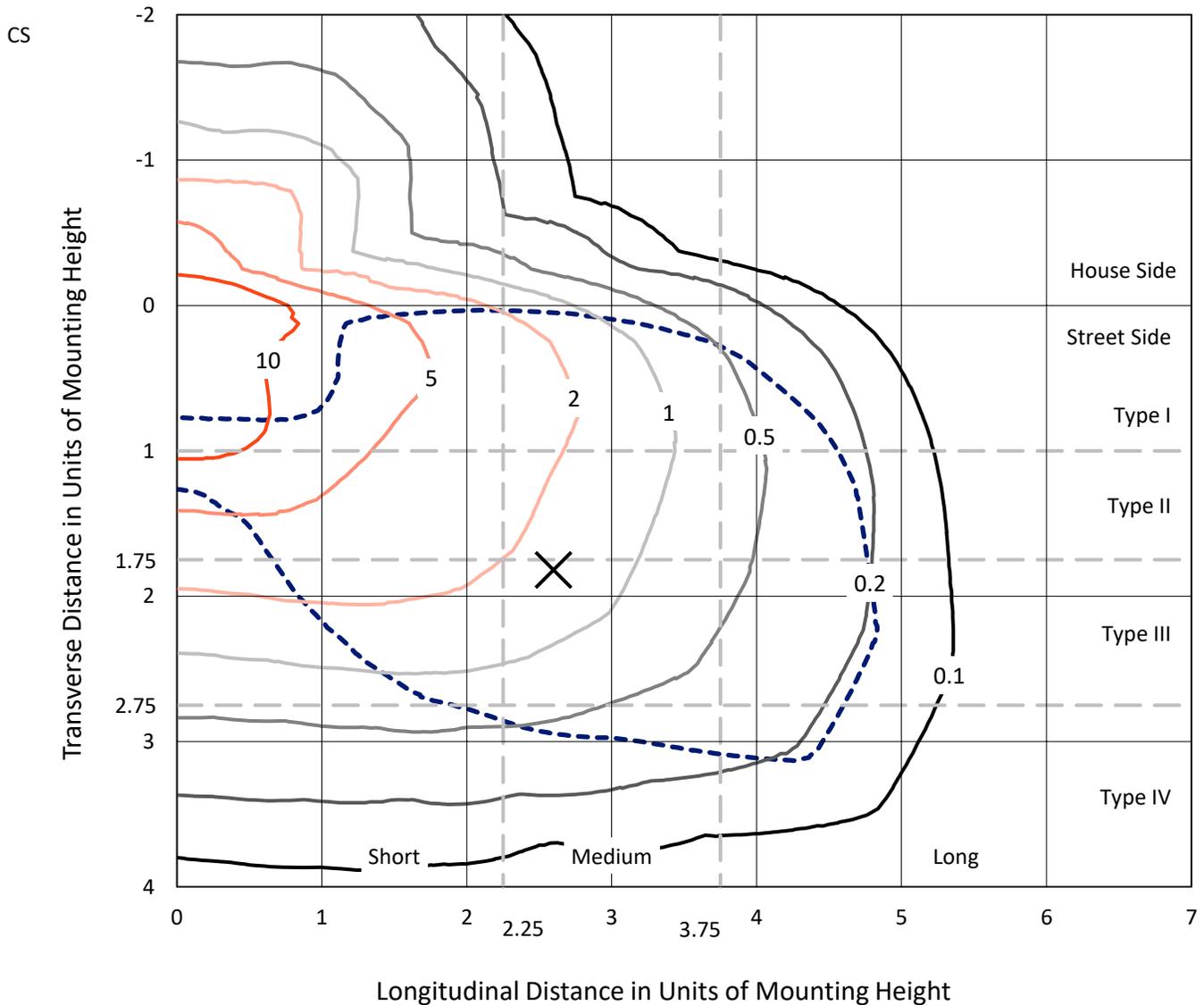


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

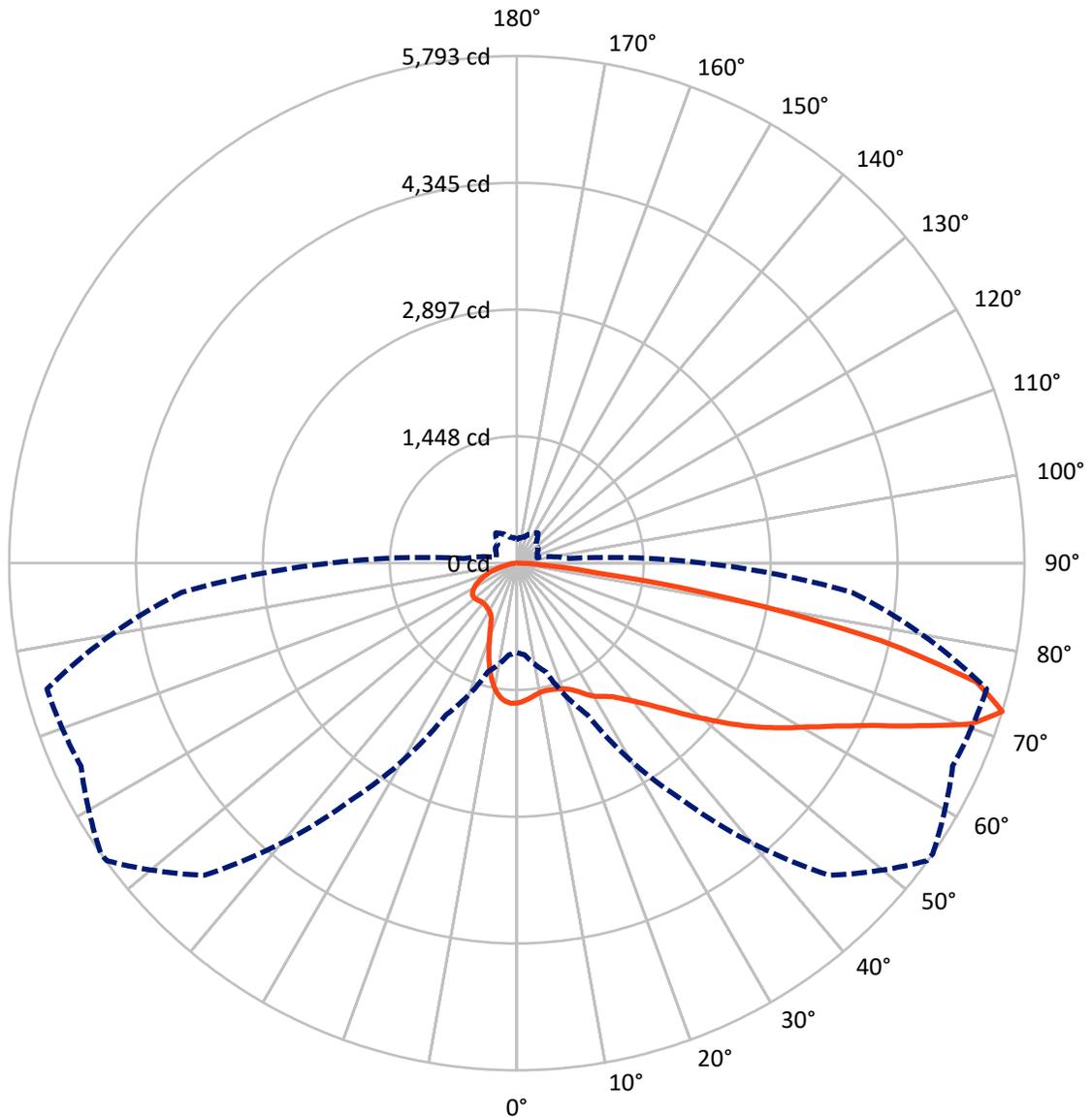


Based on 10 foot mounting height. Maximum calculated value = 16.1 fc
 Type IV - Medium - N/A

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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	1683.2	0.0	1683.2
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	7372.8	0.0	7372.8
	% Fixture	81.4	0.0	81.4
Total	Lumens	9056.0	0.0	9056.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.5	1.6
10°-20°	384.8	4.2
20°-30°	634.5	7.0
30°-40°	938.5	10.4
40°-50°	1310.0	14.5
50°-60°	1705.6	18.8
60°-70°	2096.1	23.1
70°-80°	1643.1	18.1
80°-90°	198.8	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°	9056.0	100.0
0°-180°	9056.0	100.0



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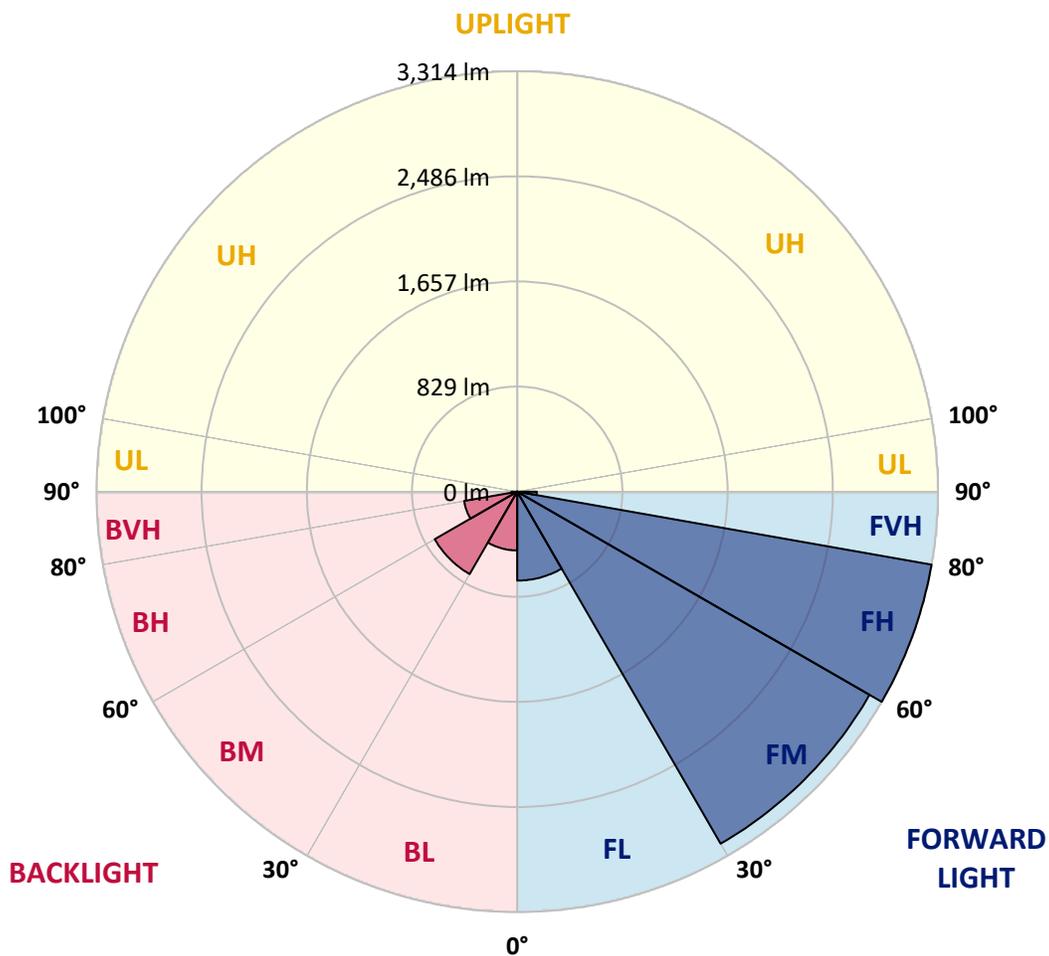
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	700.7	7.7			
FM	(30°-60°)	3204.2	35.4			
FH	(60°-80°)	3314.2	36.6			G2/5000
FVH	(80°-90°)	153.7	1.7			G2/225
BL	(0°-30°)	463.1	5.1	B1/500		
BM	(30°-60°)	749.9	8.3	B1/1000		
BH	(60°-80°)	425.1	4.7	B1/500		G1/500
BVH	(80°-90°)	45.1	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°	1597.3	1597.3	1597.3	1597.3	1597.3	1597.3	1597.3	1597.3	1597.3	1597.3	1597.3
2.5°	1545.3	1541.6	1546.2	1552.6	1559.7	1569.1	1574.6	1577.1	1586.6	1590.2	1598.2
5°	1473.7	1471.9	1479.5	1490.5	1506.1	1528.2	1545.9	1549.3	1574.3	1592.1	1608.3
7.5°	1421.7	1421.7	1430.6	1443.7	1461.2	1490.8	1515.9	1520.5	1563.0	1601.3	1631.2
10°	1380.4	1381.9	1392.3	1407.9	1428.4	1459.9	1493.3	1498.5	1560.0	1622.7	1670.4
12.5°	1352.9	1356.6	1366.0	1380.1	1405.5	1443.7	1485.9	1493.0	1566.4	1653.3	1717.5
15°	1370.3	1376.4	1377.4	1383.2	1397.2	1438.8	1490.2	1497.6	1580.2	1684.5	1771.0
17.5°	1446.8	1448.9	1439.5	1427.2	1420.5	1447.1	1503.1	1510.7	1596.7	1715.4	1822.4
20°	1563.0	1561.8	1541.3	1508.3	1474.0	1478.3	1524.2	1532.1	1619.0	1742.6	1873.8
22.5°	1709.8	1705.6	1674.1	1613.2	1554.8	1530.3	1561.2	1567.9	1652.6	1781.4	1928.9
25°	1887.9	1878.4	1836.8	1755.1	1669.2	1606.2	1616.9	1623.3	1701.6	1824.9	1979.3
27.5°	2075.7	2066.2	2013.3	1914.5	1800.1	1701.9	1693.6	1699.1	1757.3	1857.0	2016.6
30°	2272.0	2262.0	2213.6	2102.9	1938.9	1801.0	1765.2	1767.4	1796.4	1874.4	2047.2
32.5°	2469.3	2459.9	2405.7	2277.2	2089.7	1907.4	1816.9	1814.1	1820.0	1892.5	2081.8
35°	2669.4	2673.0	2609.7	2467.5	2256.8	2025.8	1878.1	1872.3	1859.4	1929.5	2130.7
37.5°	2883.5	2881.0	2799.1	2650.4	2431.4	2154.3	1965.9	1964.9	1920.6	1999.5	2207.5
40°	3026.6	3028.2	2978.3	2837.6	2607.9	2296.5	2078.4	2076.3	2018.2	2104.4	2308.1
42.5°	3082.6	3092.7	3105.6	3016.2	2792.6	2461.4	2212.7	2209.6	2154.3	2254.9	2426.5
45°	3086.6	3106.8	3186.3	3175.0	2979.8	2650.1	2384.3	2375.7	2336.0	2455.0	2567.8
47.5°	3052.3	3073.1	3205.3	3269.5	3147.2	2849.2	2585.0	2578.2	2544.0	2705.2	2720.8
50°	2977.4	2997.3	3166.1	3315.7	3284.8	3040.7	2816.2	2798.5	2780.1	2994.2	2895.7
52.5°	2837.0	2875.2	3113.8	3326.7	3367.1	3210.8	3059.4	3047.7	3057.8	3299.2	3071.0
55°	2504.5	2547.3	2978.9	3317.5	3428.0	3353.6	3302.5	3301.9	3354.2	3619.1	3259.1
57.5°	2318.2	2348.5	2704.2	3301.9	3500.1	3495.5	3543.3	3549.1	3650.9	3967.5	3456.1
60°	2213.0	2244.8	2565.1	3244.1	3612.1	3679.1	3788.9	3800.5	3952.5	4353.2	3693.1
62.5°	2117.3	2152.1	2478.8	3126.4	3743.9	3941.5	4083.1	4093.5	4271.9	4749.6	3922.2
65°	1953.6	1993.1	2352.5	3049.0	3863.8	4283.8	4457.2	4464.3	4638.6	5165.0	4097.5
67.5°	1722.4	1758.5	2114.2	2878.0	3952.5	4699.5	4954.6	4958.6	5002.3	5458.4	4187.1
70°	1452.3	1466.1	1774.7	2525.0	3847.6	5088.2	5499.6	5500.6	5333.9	5646.2	4172.5
72.5°	1020.4	1052.8	1288.3	1911.4	3306.5	5040.8	5782.6	5793.0	5488.0	5551.3	3839.0
75°	625.8	660.1	808.1	1158.4	2097.7	3964.5	5342.7	5414.9	5199.0	4949.7	3136.1
77.5°	418.4	431.3	527.3	675.4	950.4	2280.9	4107.6	4243.4	4319.0	3609.6	2005.6
80°	233.4	257.9	349.6	419.7	422.7	906.3	2462.9	2494.7	2403.0	1437.3	618.8
82.5°	123.6	137.0	233.4	246.5	230.6	303.4	917.9	918.9	767.7	385.4	183.8
85°	95.7	107.1	160.0	150.5	117.8	134.6	302.8	319.3	261.2	157.8	60.0
87.5°	47.7	59.3	108.6	95.4	46.2	38.5	108.3	115.6	103.1	61.8	21.7
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°	1597.3	1597.3	1597.3	1597.3	1597.3	1597.3	1597.3	1597.3	1597.3	1597.3	1597.3
2.5°	1601.3	1604.0	1607.4	1603.7	1602.5	1597.6	1589.3	1587.5	1583.2	1583.5	1586.0
5°	1615.3	1619.9	1618.1	1604.0	1587.2	1563.6	1539.2	1518.4	1504.6	1503.7	1502.8
7.5°	1642.2	1645.3	1630.9	1590.9	1543.8	1489.3	1437.9	1393.0	1365.7	1359.0	1357.5
10°	1684.5	1683.8	1644.4	1563.6	1469.7	1372.5	1289.9	1227.5	1191.1	1180.4	1177.6
12.5°	1731.6	1724.5	1649.0	1514.1	1365.1	1230.2	1125.6	1056.2	1018.3	1006.0	1003.0
15°	1780.2	1762.8	1637.7	1440.1	1236.7	1077.0	967.2	902.9	882.5	875.7	874.5
17.5°	1825.5	1791.8	1605.2	1339.7	1090.1	924.4	838.7	813.0	817.9	826.8	827.1
20°	1869.8	1811.4	1553.2	1213.1	935.7	798.6	769.6	788.5	811.8	829.8	832.3
22.5°	1913.6	1825.2	1486.3	1066.9	797.4	728.0	748.5	783.0	809.7	829.2	832.6
25°	1950.3	1828.5	1393.9	910.9	701.4	701.4	738.4	771.1	797.4	816.7	820.1
27.5°	1963.7	1805.9	1263.6	766.5	653.0	689.1	724.3	751.5	773.9	794.4	798.0
30°	1968.9	1764.0	1113.1	650.6	633.2	676.0	705.3	728.6	749.7	769.0	772.3
32.5°	1969.8	1713.5	953.4	584.8	619.4	662.2	681.8	702.3	724.9	732.6	733.8
35°	1975.7	1653.9	785.2	551.2	606.6	649.4	665.0	679.7	643.0	645.7	648.2
37.5°	1992.5	1594.8	644.5	532.2	598.3	642.6	661.3	608.1	579.3	572.6	571.7
40°	2024.0	1531.8	540.2	516.9	595.2	646.0	637.8	567.7	518.2	481.1	475.6
42.5°	2067.7	1463.9	473.5	506.8	597.4	662.2	605.0	528.9	446.6	422.7	419.7
45°	2117.0	1392.7	437.4	499.8	604.7	674.8	598.3	477.2	413.2	395.2	393.7
47.5°	2164.7	1305.5	418.7	496.7	614.8	664.7	569.8	461.3	397.3	387.9	388.8
50°	2219.4	1226.9	407.4	493.4	623.7	658.2	537.7	453.0	391.2	402.8	415.1
52.5°	2265.6	1145.5	397.3	486.6	627.0	646.9	529.5	454.5	391.2	413.5	425.2
55°	2320.4	1084.0	385.7	472.6	620.6	614.8	523.7	463.7	395.8	381.7	383.0
57.5°	2391.0	1063.8	372.9	450.6	599.2	568.0	520.9	472.6	393.1	384.2	387.2
60°	2488.9	1085.2	367.7	421.8	565.9	531.3	521.2	468.0	373.8	358.5	358.8
62.5°	2582.2	1109.1	367.4	403.8	524.9	498.6	514.2	453.0	364.0	355.1	358.5
65°	2612.8	1084.9	352.7	383.6	478.7	459.4	501.3	437.1	356.7	343.2	342.6
67.5°	2571.8	1010.0	323.0	350.8	425.8	413.8	484.5	418.1	345.0	334.0	332.2
70°	2450.1	842.7	286.3	307.7	365.5	362.5	457.9	396.1	329.4	319.9	312.0
72.5°	2122.5	600.4	241.3	256.0	297.6	307.4	421.2	367.4	307.4	286.9	274.7
75°	1743.2	444.4	198.2	201.3	226.0	252.7	370.7	333.7	281.4	246.5	237.1
77.5°	1067.5	271.9	157.8	159.1	162.1	201.6	305.3	296.1	248.4	205.5	198.8
80°	345.6	148.3	114.1	119.9	110.7	147.7	236.1	252.0	213.2	171.9	164.6
82.5°	131.5	86.6	77.1	81.1	76.8	99.1	172.2	201.9	174.7	141.3	115.0
85°	63.6	48.9	45.6	51.1	47.4	50.8	110.1	148.7	132.4	92.1	85.6
87.5°	22.6	21.7	17.4	23.6	20.2	18.0	33.6	74.9	87.5	63.3	56.6
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)