

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: P1207785

Luminaire Tested: UPW-SA1-030-727-U-T2R

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207785  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-727-U-T2R  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4337 lumens  
Efficiency: N/A  
Efficacy: 127.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 34  
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

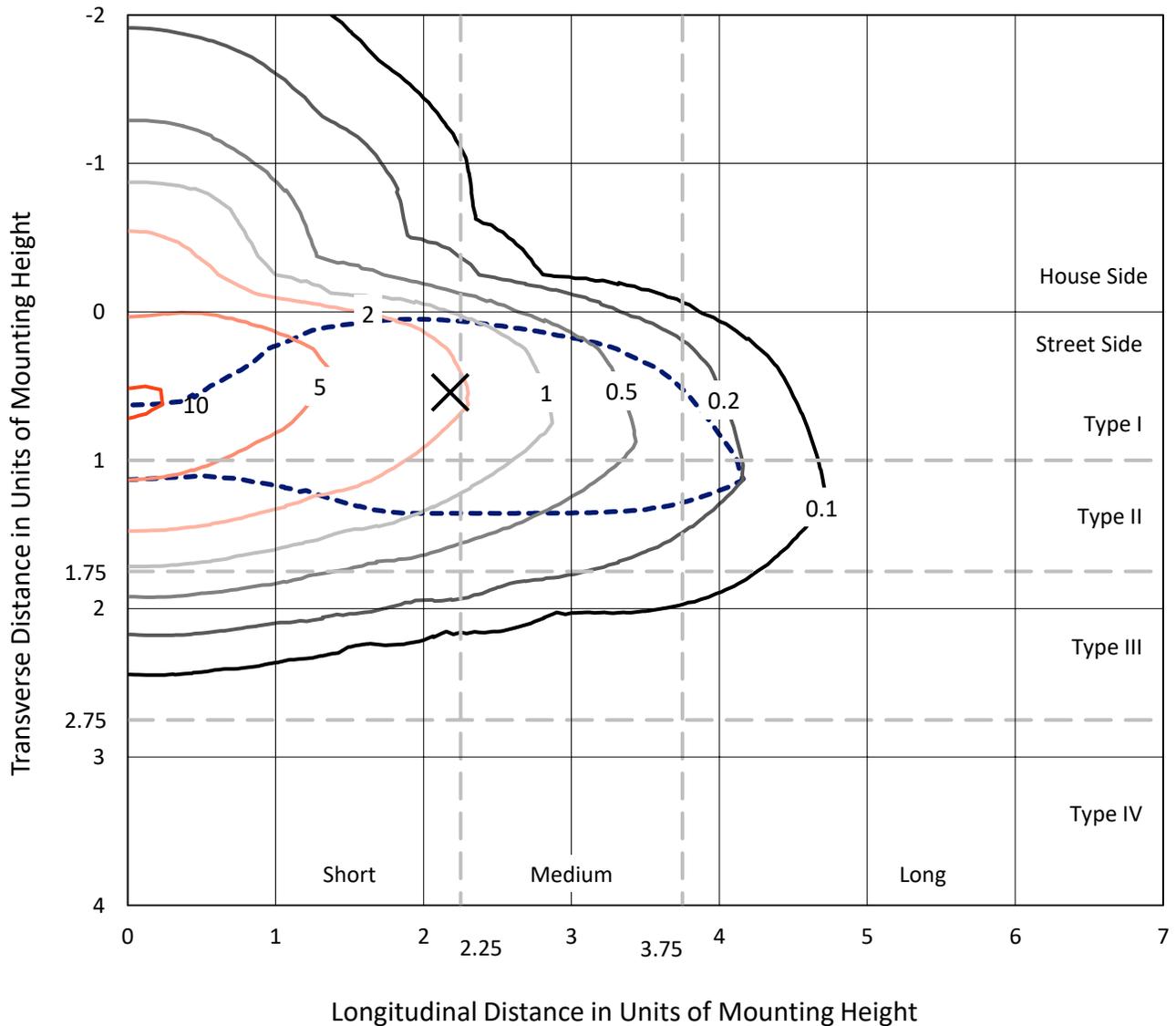


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

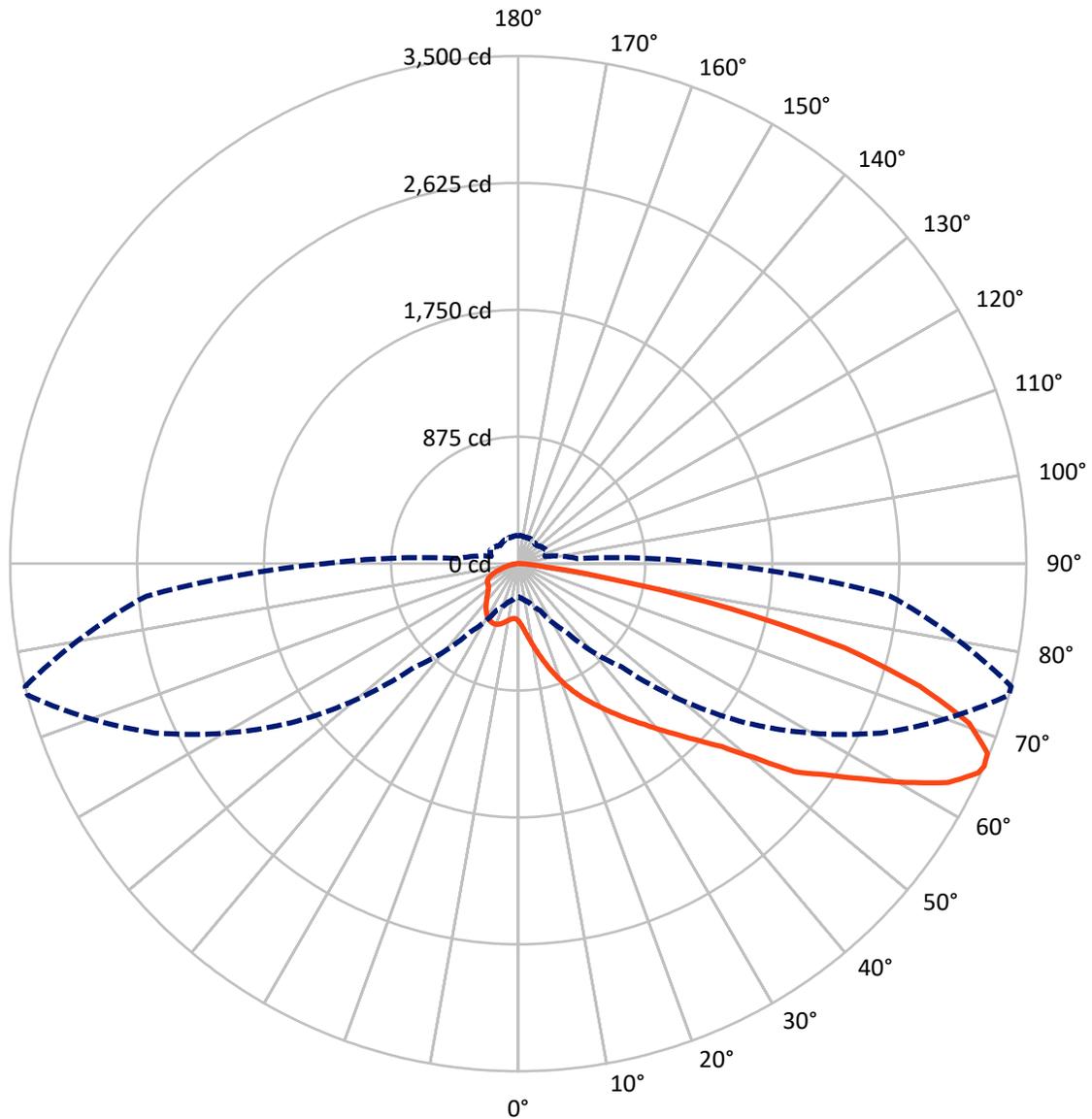


Based on 10 foot mounting height. Maximum calculated value = 10.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	729.8	0.0	729.8
	% Fixture	16.8	0.0	16.8
<b>Street Side</b>	Lumens	3607.2	0.0	3607.2
	% Fixture	83.2	0.0	83.2
<b>Total</b>	Lumens	4337.0	0.0	4337.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.9	1.1
10°-20°	189.1	4.4
20°-30°	367.5	8.5
30°-40°	599.9	13.8
40°-50°	819.6	18.9
50°-60°	954.7	22.0
60°-70°	855.9	19.7
70°-80°	432.5	10.0
80°-90°	69.9	1.6
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°	4337.0	100.0
0°-180°	4337.0	100.0



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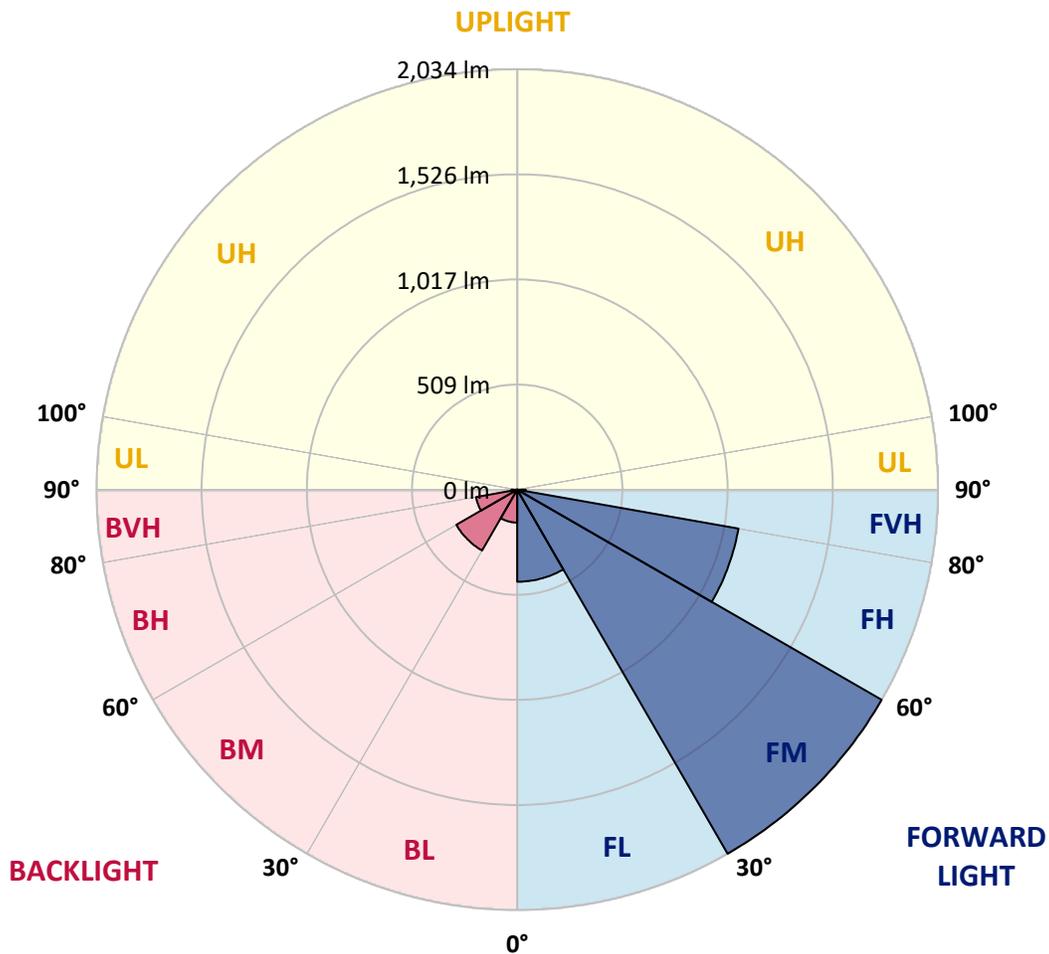
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	445.4	10.3			
FM (30°-60°)	2034.4	46.9			
FH (60°-80°)	1086.2	25.0			G1/1800
FVH (80°-90°)	41.3	1.0			G1/100
BL (0°-30°)	159.2	3.7	B1/500		
BM (30°-60°)	339.8	7.8	B1/1000		
BH (60°-80°)	202.2	4.7	B1/500		G1/500
BVH (80°-90°)	28.6	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	396.1	396.1	396.1	396.1	396.1	396.1	396.1	396.1	396.1	396.1	396.1
2.5°	525.8	517.8	517.1	505.5	502.8	480.6	464.2	447.2	427.7	423.9	408.6
5°	675.4	674.6	664.5	645.5	630.6	592.6	555.1	515.3	471.7	464.7	430.2
7.5°	809.9	808.8	801.0	780.5	759.0	712.3	658.7	597.8	527.1	516.7	459.5
10°	912.1	911.7	909.0	894.0	875.8	831.0	771.8	688.6	591.4	577.2	496.2
12.5°	991.0	991.9	993.7	988.4	979.7	941.6	880.9	784.9	660.1	645.9	537.0
15°	1044.5	1047.1	1056.3	1063.8	1068.3	1044.9	986.2	883.4	736.9	720.0	582.2
17.5°	1071.4	1074.4	1090.1	1112.8	1133.7	1131.4	1084.7	977.4	810.7	794.3	630.8
20°	1094.7	1096.9	1114.6	1141.8	1178.8	1195.1	1168.9	1067.8	891.5	872.1	682.3
22.5°	1162.1	1164.9	1170.2	1185.7	1218.4	1248.4	1235.8	1153.3	965.6	947.5	731.2
25°	1292.3	1295.7	1284.2	1271.1	1277.3	1298.2	1300.5	1231.3	1040.7	1020.2	783.7
27.5°	1449.1	1454.0	1434.4	1400.7	1371.2	1363.1	1360.3	1295.2	1112.4	1088.7	835.7
30°	1602.7	1611.1	1585.6	1541.9	1487.8	1449.8	1421.7	1357.8	1183.0	1160.4	884.7
32.5°	1752.7	1749.3	1712.4	1669.7	1606.3	1558.8	1490.8	1425.0	1262.6	1236.5	933.5
35°	1855.5	1856.7	1822.3	1771.7	1711.3	1674.8	1583.2	1497.4	1343.7	1319.7	988.8
37.5°	1942.9	1937.5	1898.6	1851.4	1799.4	1783.8	1691.5	1577.2	1431.6	1405.4	1047.7
40°	1972.1	1965.8	1940.3	1906.3	1864.6	1863.3	1810.9	1667.6	1531.0	1505.1	1114.1
42.5°	1954.4	1946.3	1935.9	1926.6	1913.8	1919.7	1923.1	1773.6	1640.2	1611.2	1191.0
45°	1889.2	1877.0	1884.3	1904.5	1932.3	1965.6	2024.4	1891.0	1762.6	1738.3	1281.3
47.5°	1788.9	1777.9	1800.8	1844.0	1919.7	2003.9	2120.2	2020.5	1908.6	1884.5	1409.8
50°	1647.9	1651.1	1683.9	1762.4	1876.8	2021.6	2238.3	2192.1	2120.9	2098.4	1585.1
52.5°	1416.4	1417.0	1509.5	1638.3	1800.8	2012.4	2303.8	2411.3	2410.8	2383.6	1752.1
55°	1201.4	1214.6	1287.7	1459.0	1677.8	1975.9	2349.6	2517.9	2601.2	2569.3	1907.7
57.5°	991.5	999.1	1068.5	1240.5	1502.1	1878.6	2396.6	2645.8	2820.6	2800.4	2101.2
60°	752.7	764.5	836.2	995.0	1277.4	1705.9	2401.0	2779.4	3082.8	3062.5	2317.2
62.5°	488.5	508.8	576.0	724.8	1005.6	1457.5	2298.5	2866.7	3331.4	3324.2	2508.9
65°	280.8	296.1	342.8	457.6	693.8	1145.6	2054.8	2833.1	3484.3	3480.2	2580.6
66°	229.4	239.0	274.7	357.6	572.5	1006.1	1913.2	2762.3	3499.5	3499.7	2572.4
67.5°	183.5	187.7	203.8	256.0	422.4	797.4	1660.1	2606.1	3480.7	3485.8	2519.2
70°	151.8	154.0	159.0	171.7	230.6	480.9	1178.3	2200.2	3291.5	3295.4	2311.8
72.5°	136.2	137.5	139.4	141.2	162.7	268.7	719.7	1760.1	2885.8	2891.0	1995.6
75°	123.4	124.1	123.8	124.0	136.5	171.2	371.9	1314.1	2333.4	2323.1	1528.8
77.5°	108.4	109.1	107.6	107.9	120.7	131.6	185.1	919.9	1574.7	1502.0	861.3
80°	91.6	92.2	91.6	92.6	105.1	99.4	107.6	517.5	696.3	658.6	306.3
82.5°	69.2	71.7	73.5	77.6	86.6	70.7	72.0	201.6	212.0	201.9	93.9
85°	30.3	37.0	55.4	59.3	65.1	42.4	47.3	82.2	86.3	83.6	34.2
87.5°	8.0	8.7	27.4	34.5	36.1	19.1	24.6	37.4	39.5	37.4	11.3
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°	396.1	396.1	396.1	396.1	396.1	396.1	396.1	396.1	396.1	396.1	396.1
2.5°	400.5	393.3	380.3	368.8	360.1	354.3	348.4	345.4	343.6	341.9	342.2
5°	413.3	398.7	376.5	360.7	351.9	346.3	343.4	342.2	341.4	339.7	339.7
7.5°	432.6	412.0	381.3	365.1	358.2	354.0	352.2	351.6	350.7	348.7	349.0
10°	456.9	428.0	391.5	375.7	369.4	364.7	362.2	361.3	359.7	357.3	357.6
12.5°	485.4	447.9	404.9	388.4	380.8	374.4	370.3	367.8	365.0	361.9	362.1
15°	516.7	469.5	419.3	399.7	389.3	380.5	373.8	369.6	365.1	361.3	361.2
17.5°	548.3	490.4	430.4	405.9	391.8	380.2	371.2	364.6	359.1	354.4	354.0
20°	582.5	509.3	436.6	405.3	387.1	373.2	361.3	353.1	347.0	342.3	341.6
22.5°	617.2	527.0	437.6	399.3	376.6	359.7	347.2	338.1	331.9	327.0	325.2
25°	649.0	540.7	433.3	387.7	362.1	343.8	331.6	322.3	317.3	311.6	309.8
27.5°	678.0	550.2	424.8	372.8	345.7	327.7	316.3	308.3	302.9	298.4	297.0
30°	704.1	555.4	410.8	355.1	328.9	312.6	302.9	297.4	292.7	287.1	286.1
32.5°	728.8	555.4	392.8	335.8	312.3	299.2	293.4	290.1	284.8	279.3	277.8
35°	753.6	552.0	371.6	315.7	297.0	289.6	289.3	285.3	277.2	269.9	268.0
37.5°	779.6	545.1	347.8	296.8	284.5	285.3	287.8	279.0	267.5	257.1	254.3
40°	809.1	535.5	323.0	280.5	274.0	283.4	283.9	269.9	247.5	237.9	235.4
42.5°	843.7	525.9	300.1	266.1	265.8	277.7	276.4	250.2	236.8	231.9	230.6
45°	889.2	520.5	278.3	252.4	259.3	268.4	263.6	239.3	233.7	230.9	229.7
47.5°	960.9	523.3	258.3	241.5	252.8	259.1	239.7	234.8	230.9	227.5	226.3
50°	1050.7	521.7	242.1	234.0	245.4	249.4	229.0	229.1	227.0	223.2	221.4
52.5°	1118.3	509.0	231.6	229.7	239.0	232.2	222.2	223.5	222.5	216.9	215.0
55°	1183.5	498.1	226.3	228.1	234.3	210.7	214.2	217.5	216.4	211.0	210.1
57.5°	1264.6	496.0	223.1	228.5	230.3	199.9	206.6	210.8	210.1	207.8	207.3
60°	1364.0	496.6	220.1	229.2	225.9	192.0	199.4	204.8	205.2	204.8	204.5
62.5°	1418.6	480.6	212.8	227.2	218.1	185.1	191.8	199.8	199.9	200.8	200.7
65°	1372.2	432.6	199.1	220.0	205.0	179.3	185.4	194.1	191.8	195.8	195.8
66°	1327.2	404.9	192.3	215.3	199.4	177.1	183.3	191.1	188.3	193.8	193.8
67.5°	1235.2	358.2	180.1	205.2	191.4	174.0	181.0	186.3	182.4	190.5	189.9
70°	1067.0	277.1	155.5	182.6	178.3	169.5	177.7	176.5	170.9	183.3	181.0
72.5°	899.6	210.5	124.9	152.8	158.4	163.7	173.2	164.2	157.1	165.8	160.6
75°	698.0	158.3	98.6	118.8	133.8	154.7	167.7	149.9	139.7	138.8	136.0
77.5°	377.4	108.7	78.2	90.7	106.3	143.6	164.0	134.6	119.3	115.7	113.5
80°	149.4	70.7	56.8	68.8	74.4	127.4	155.2	116.8	98.4	94.8	91.4
82.5°	61.7	41.8	36.7	46.1	48.4	109.0	139.3	95.7	76.0	105.1	111.6
85°	26.5	23.0	21.8	23.9	27.4	76.4	110.9	73.0	82.0	73.2	58.2
87.5°	8.0	9.7	9.3	9.1	10.0	18.3	59.0	40.6	60.2	22.8	17.1
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)