

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: P1208194

Luminaire Tested: UPW-SA1-040-827-U-T3R

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208194  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-040-827-U-T3R  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4587 lumens  
Efficiency: N/A  
Efficacy: 104.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

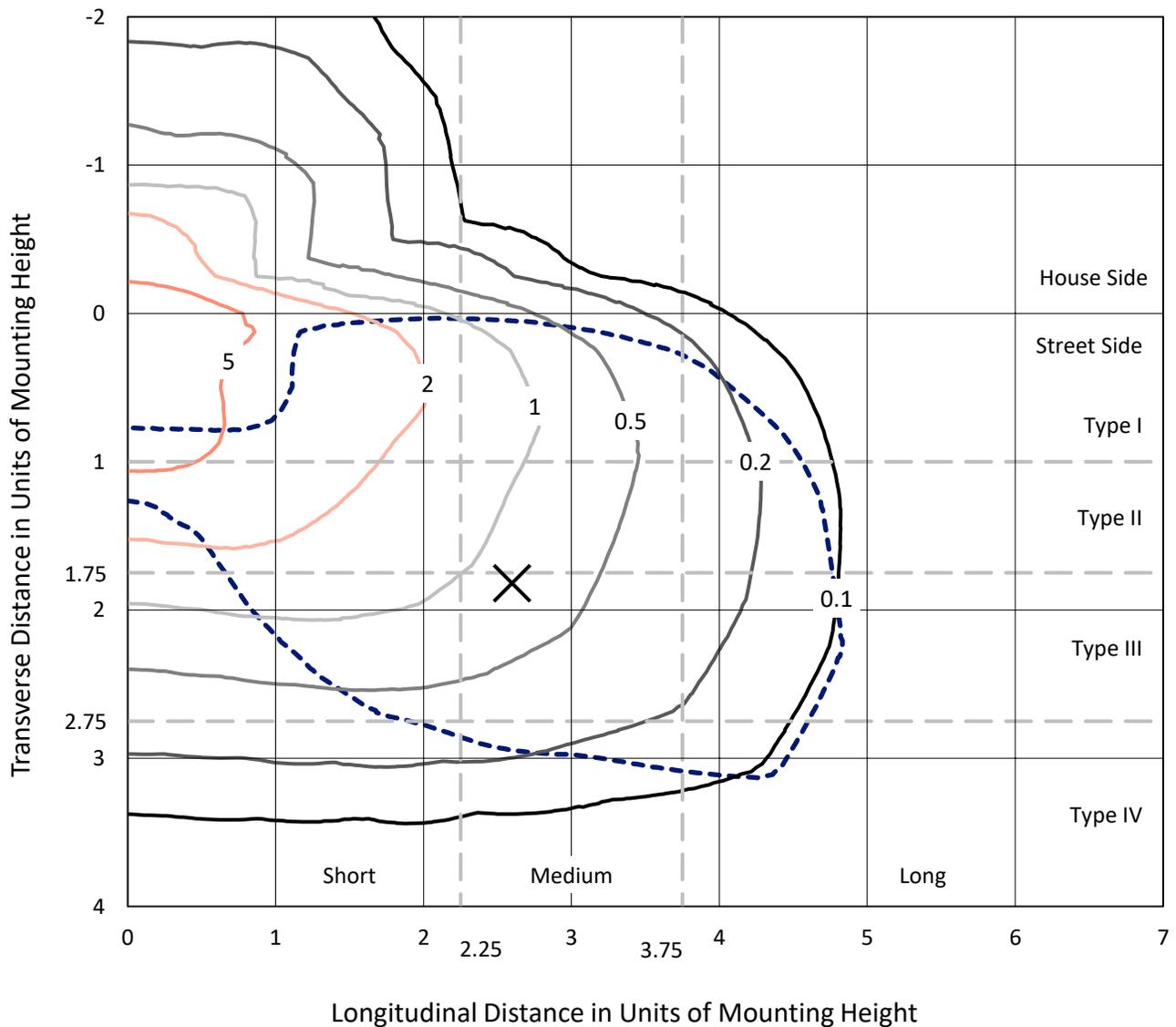
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

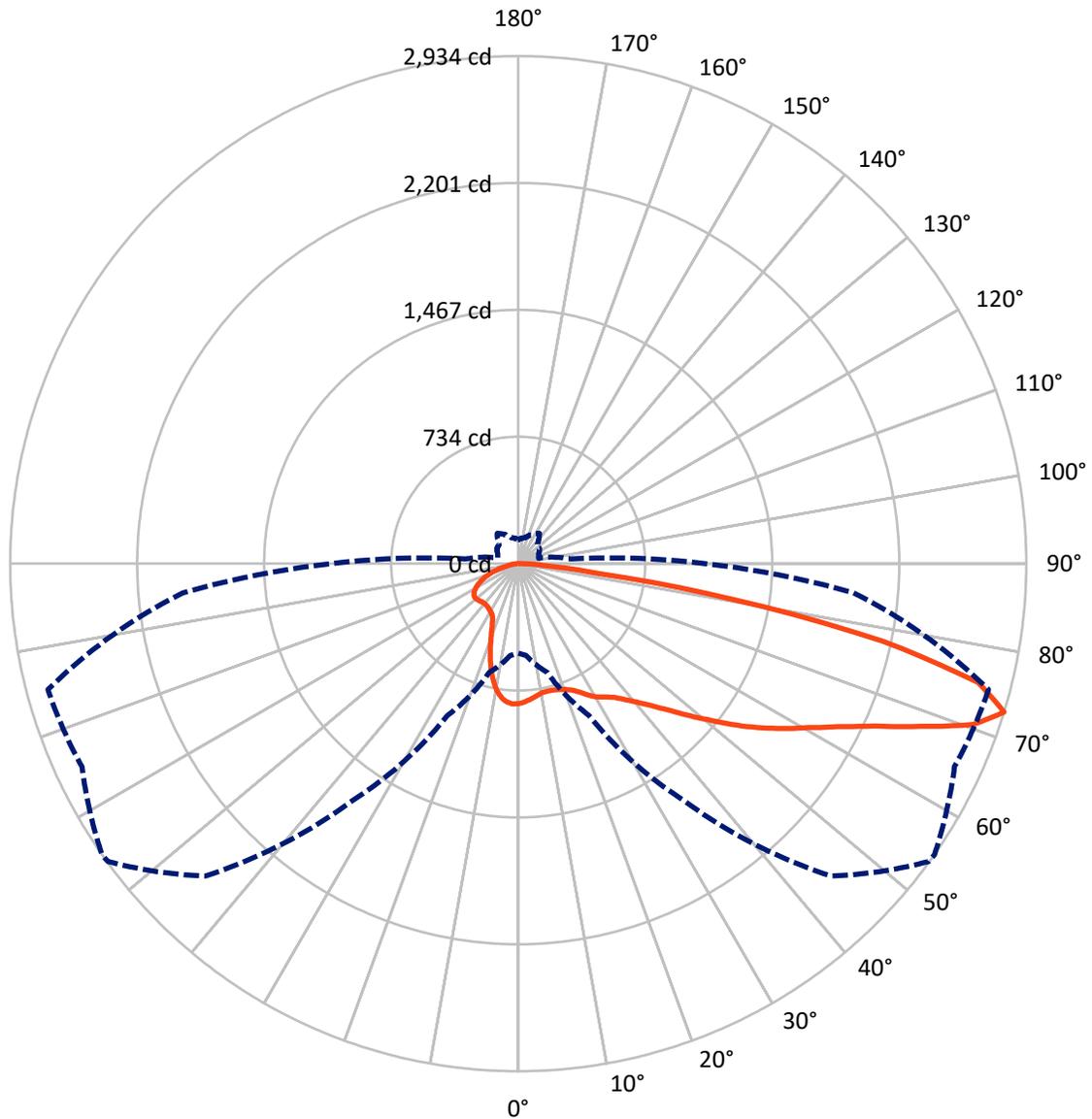


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc  
 Type IV - Medium - N/A

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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
<b>House Side</b>	Lumens	852.6	0.0	852.6
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	3734.4	0.0	3734.4
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	4587.0	0.0	4587.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.2	1.6
10°-20°	194.9	4.2
20°-30°	321.4	7.0
30°-40°	475.4	10.4
40°-50°	663.5	14.5
50°-60°	863.9	18.8
60°-70°	1061.7	23.1
70°-80°	832.3	18.1
80°-90°	100.7	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°	4587.0	100.0
0°-180°	4587.0	100.0

**Coefficient of Utilization**



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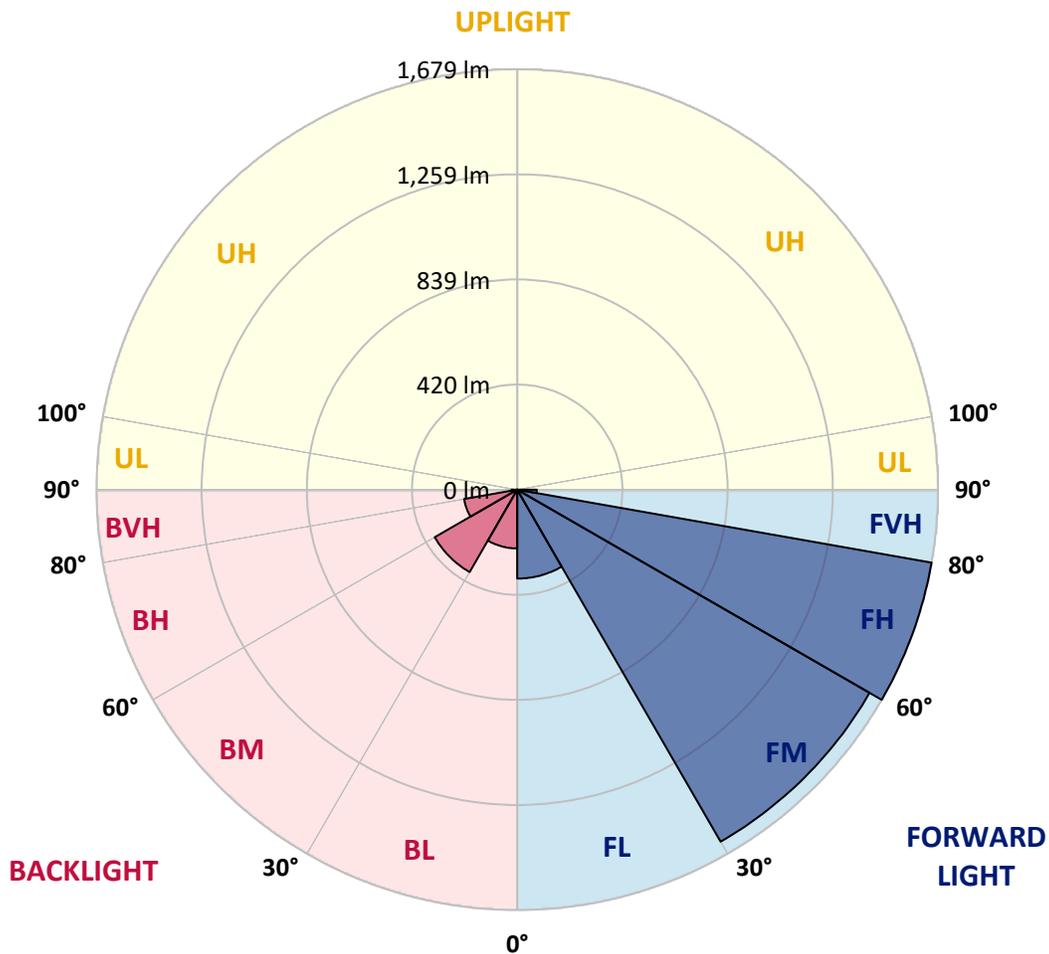
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	354.9	7.7			
FM	(30°-60°)	1623.0	35.4			
FH	(60°-80°)	1678.7	36.6			G1/1800
FVH	(80°-90°)	77.9	1.7			G1/100
BL	(0°-30°)	234.6	5.1	B1/500		
BM	(30°-60°)	379.8	8.3	B1/1000		
BH	(60°-80°)	215.3	4.7	B1/500		G1/500
BVH	(80°-90°)	22.8	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-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0
2.5°	782.7	780.9	783.2	786.4	790.0	794.8	797.6	798.8	803.6	805.5	809.5
5°	746.5	745.5	749.4	755.0	762.9	774.0	783.0	784.7	797.4	806.4	814.6
7.5°	720.1	720.1	724.6	731.3	740.1	755.1	767.8	770.2	791.7	811.1	826.2
10°	699.2	700.0	705.2	713.1	723.5	739.5	756.4	759.0	790.1	821.9	846.1
12.5°	685.3	687.1	691.9	699.0	711.9	731.3	752.7	756.2	793.4	837.4	869.9
15°	694.1	697.2	697.7	700.6	707.7	728.8	754.8	758.5	800.4	853.2	897.0
17.5°	732.8	733.9	729.1	722.9	719.5	733.0	761.3	765.2	808.7	868.9	923.1
20°	791.7	791.1	780.7	764.0	746.6	748.8	772.0	776.0	820.0	882.6	949.1
22.5°	866.1	863.9	847.9	817.1	787.5	775.1	790.8	794.2	837.1	902.3	977.0
25°	956.2	951.4	930.4	889.0	845.5	813.5	819.0	822.2	861.9	924.3	1002.6
27.5°	1051.4	1046.6	1019.8	969.7	911.8	862.0	857.9	860.6	890.1	940.6	1021.5
30°	1150.8	1145.7	1121.2	1065.1	982.1	912.2	894.1	895.2	909.9	949.4	1037.0
32.5°	1250.8	1246.0	1218.5	1153.5	1058.5	966.1	920.3	918.9	921.8	958.6	1054.5
35°	1352.1	1353.9	1321.9	1249.8	1143.1	1026.1	951.3	948.3	941.8	977.3	1079.2
37.5°	1460.5	1459.3	1417.8	1342.5	1231.5	1091.2	995.7	995.3	972.8	1012.8	1118.1
40°	1533.0	1533.8	1508.6	1437.3	1320.9	1163.2	1052.8	1051.7	1022.2	1065.9	1169.1
42.5°	1561.4	1566.5	1573.0	1527.8	1414.5	1246.7	1120.8	1119.2	1091.2	1142.1	1229.1
45°	1563.4	1573.6	1613.9	1608.2	1509.3	1342.3	1207.7	1203.3	1183.2	1243.5	1300.6
47.5°	1546.1	1556.6	1623.5	1656.1	1594.1	1443.2	1309.3	1305.9	1288.6	1370.2	1378.1
50°	1508.1	1518.2	1603.7	1679.4	1663.8	1540.2	1426.4	1417.5	1408.2	1516.6	1466.7
52.5°	1437.0	1456.3	1577.2	1685.0	1705.5	1626.3	1549.6	1543.7	1548.8	1671.1	1555.5
55°	1268.6	1290.3	1508.9	1680.4	1736.3	1698.7	1672.8	1672.5	1699.0	1833.1	1650.8
57.5°	1174.2	1189.6	1369.7	1672.5	1772.9	1770.5	1794.7	1797.7	1849.3	2009.6	1750.6
60°	1120.9	1137.0	1299.2	1643.2	1829.6	1863.5	1919.1	1925.0	2002.0	2205.0	1870.6
62.5°	1072.4	1090.1	1255.6	1583.5	1896.4	1996.4	2068.2	2073.4	2163.8	2405.8	1986.7
65°	989.5	1009.5	1191.6	1544.3	1957.1	2169.8	2257.7	2261.2	2349.5	2616.2	2075.5
67.5°	872.4	890.7	1070.9	1457.7	2002.0	2380.4	2509.6	2511.6	2533.7	2764.7	2120.8
70°	735.6	742.6	898.9	1279.0	1948.9	2577.3	2785.7	2786.1	2701.7	2859.9	2113.4
72.5°	516.8	533.3	652.6	968.2	1674.8	2553.3	2929.0	2934.2	2779.8	2811.8	1944.5
75°	317.0	334.3	409.3	586.7	1062.5	2008.1	2706.2	2742.7	2633.4	2507.1	1588.5
77.5°	211.9	218.5	267.1	342.1	481.4	1155.3	2080.6	2149.4	2187.6	1828.3	1015.9
80°	118.2	130.6	177.1	212.6	214.1	459.1	1247.5	1263.6	1217.1	728.0	313.4
82.5°	62.6	69.4	118.2	124.9	116.8	153.7	464.9	465.4	388.9	195.2	93.1
85°	48.5	54.2	81.0	76.2	59.6	68.2	153.4	161.7	132.3	79.9	30.4
87.5°	24.2	30.1	55.0	48.3	23.4	19.5	54.8	58.6	52.2	31.3	11.0
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°	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0
2.5°	811.1	812.5	814.2	812.3	811.7	809.2	805.0	804.1	801.9	802.1	803.3
5°	818.2	820.5	819.6	812.5	803.9	792.0	779.6	769.1	762.1	761.6	761.2
7.5°	831.8	833.4	826.1	805.8	781.9	754.4	728.3	705.6	691.8	688.4	687.6
10°	853.2	852.9	832.9	792.0	744.4	695.2	653.3	621.7	603.3	597.9	596.5
12.5°	877.1	873.5	835.2	766.9	691.5	623.1	570.1	535.0	515.8	509.6	508.0
15°	901.7	892.9	829.5	729.4	626.4	545.5	489.9	457.4	447.0	443.6	442.9
17.5°	924.6	907.6	813.1	678.6	552.2	468.2	424.8	411.8	414.3	418.8	418.9
20°	947.1	917.5	786.7	614.5	473.9	404.5	389.8	399.4	411.2	420.3	421.6
22.5°	969.2	924.5	752.8	540.4	403.9	368.7	379.1	396.6	410.1	420.0	421.7
25°	987.8	926.2	706.0	461.4	355.3	355.3	374.0	390.6	403.9	413.7	415.4
27.5°	994.7	914.7	640.0	388.3	330.8	349.1	366.9	380.7	392.0	402.4	404.2
30°	997.3	893.5	563.8	329.5	320.7	342.4	357.3	369.0	379.7	389.5	391.2
32.5°	997.8	867.9	482.9	296.2	313.7	335.4	345.3	355.7	367.2	371.1	371.7
35°	1000.7	837.7	397.7	279.2	307.2	328.9	336.8	344.3	325.7	327.1	328.3
37.5°	1009.2	807.8	326.4	269.6	303.0	325.5	335.0	308.0	293.4	290.0	289.6
40°	1025.2	775.9	273.6	261.8	301.5	327.2	323.0	287.6	262.5	243.7	240.9
42.5°	1047.3	741.5	239.8	256.7	302.6	335.4	306.5	267.9	226.2	214.1	212.6
45°	1072.3	705.4	221.6	253.2	306.3	341.8	303.0	241.7	209.3	200.2	199.4
47.5°	1096.4	661.2	212.1	251.6	311.4	336.7	288.6	233.6	201.3	196.5	196.9
50°	1124.2	621.4	206.4	249.9	315.9	333.4	272.4	229.5	198.2	204.0	210.2
52.5°	1147.6	580.2	201.3	246.5	317.6	327.7	268.2	230.2	198.2	209.5	215.4
55°	1175.3	549.1	195.4	239.4	314.4	311.4	265.2	234.9	200.5	193.4	194.0
57.5°	1211.1	538.8	188.9	228.2	303.5	287.7	263.8	239.4	199.1	194.6	196.1
60°	1260.7	549.7	186.2	213.6	286.6	269.1	264.0	237.0	189.3	181.6	181.7
62.5°	1307.9	561.8	186.1	204.5	265.9	252.5	260.4	229.5	184.4	179.9	181.6
65°	1323.4	549.5	178.6	194.3	242.5	232.7	253.9	221.4	180.6	173.8	173.5
67.5°	1302.7	511.6	163.6	177.7	215.7	209.6	245.4	211.8	174.8	169.2	168.3
70°	1241.0	426.8	145.0	155.9	185.1	183.6	231.9	200.6	166.9	162.1	158.0
72.5°	1075.1	304.1	122.2	129.7	150.7	155.7	213.3	186.1	155.7	145.3	139.1
75°	883.0	225.1	100.4	101.9	114.5	128.0	187.8	169.0	142.5	124.9	120.1
77.5°	540.7	137.7	79.9	80.6	82.1	102.1	154.6	150.0	125.8	104.1	100.7
80°	175.1	75.1	57.8	60.7	56.1	74.8	119.6	127.7	108.0	87.1	83.4
82.5°	66.6	43.8	39.0	41.1	38.9	50.2	87.2	102.3	88.5	71.6	58.3
85°	32.2	24.8	23.1	25.9	24.0	25.7	55.8	75.3	67.1	46.6	43.4
87.5°	11.5	11.0	8.8	11.9	10.2	9.1	17.0	38.0	44.3	32.1	28.7
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)