

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: P1208503

Luminaire Tested: UPW-SA1-070-727-U-SL3

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208503  
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-SA1-070-727-U-SL3  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6576 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 67  
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

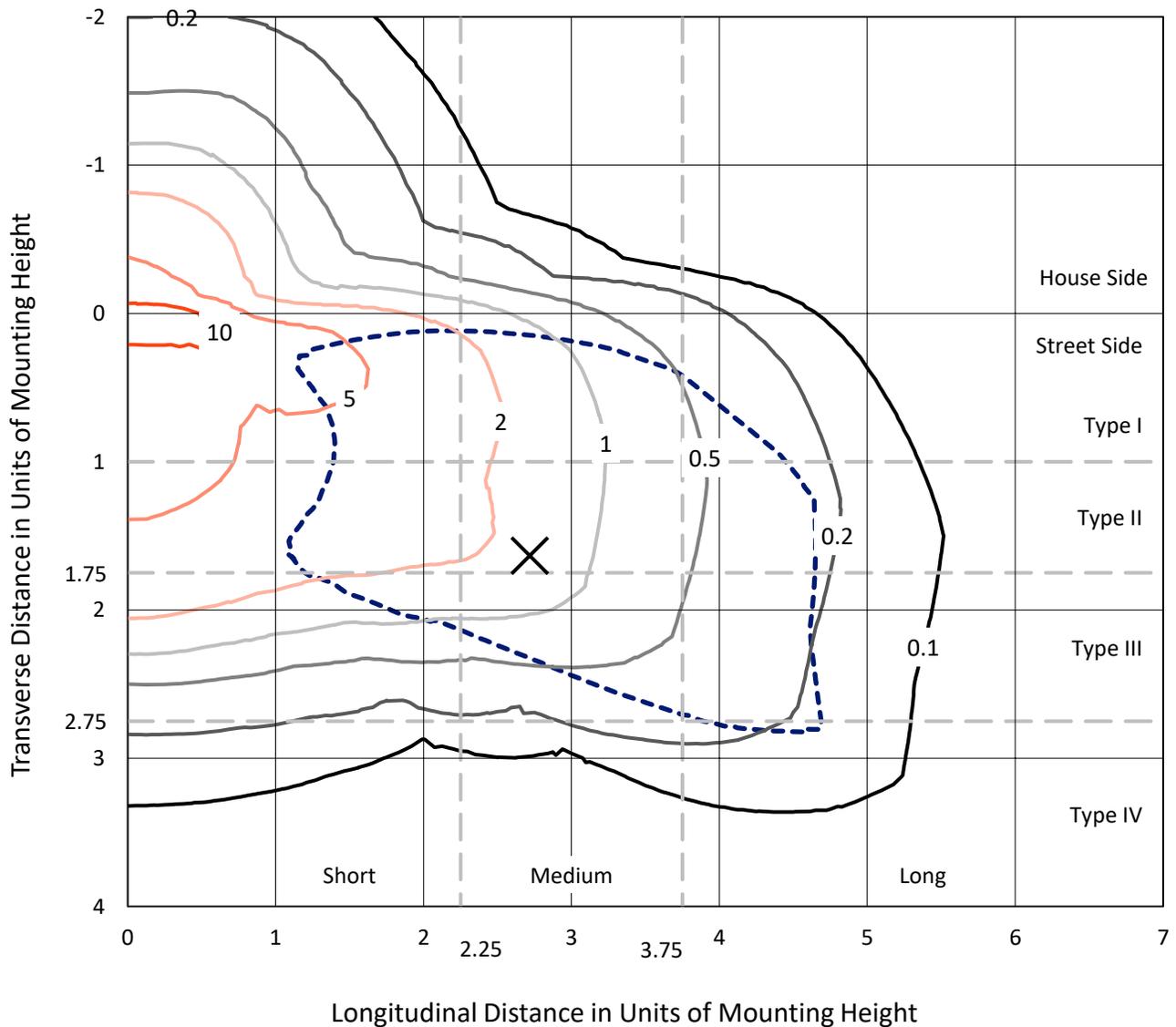


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

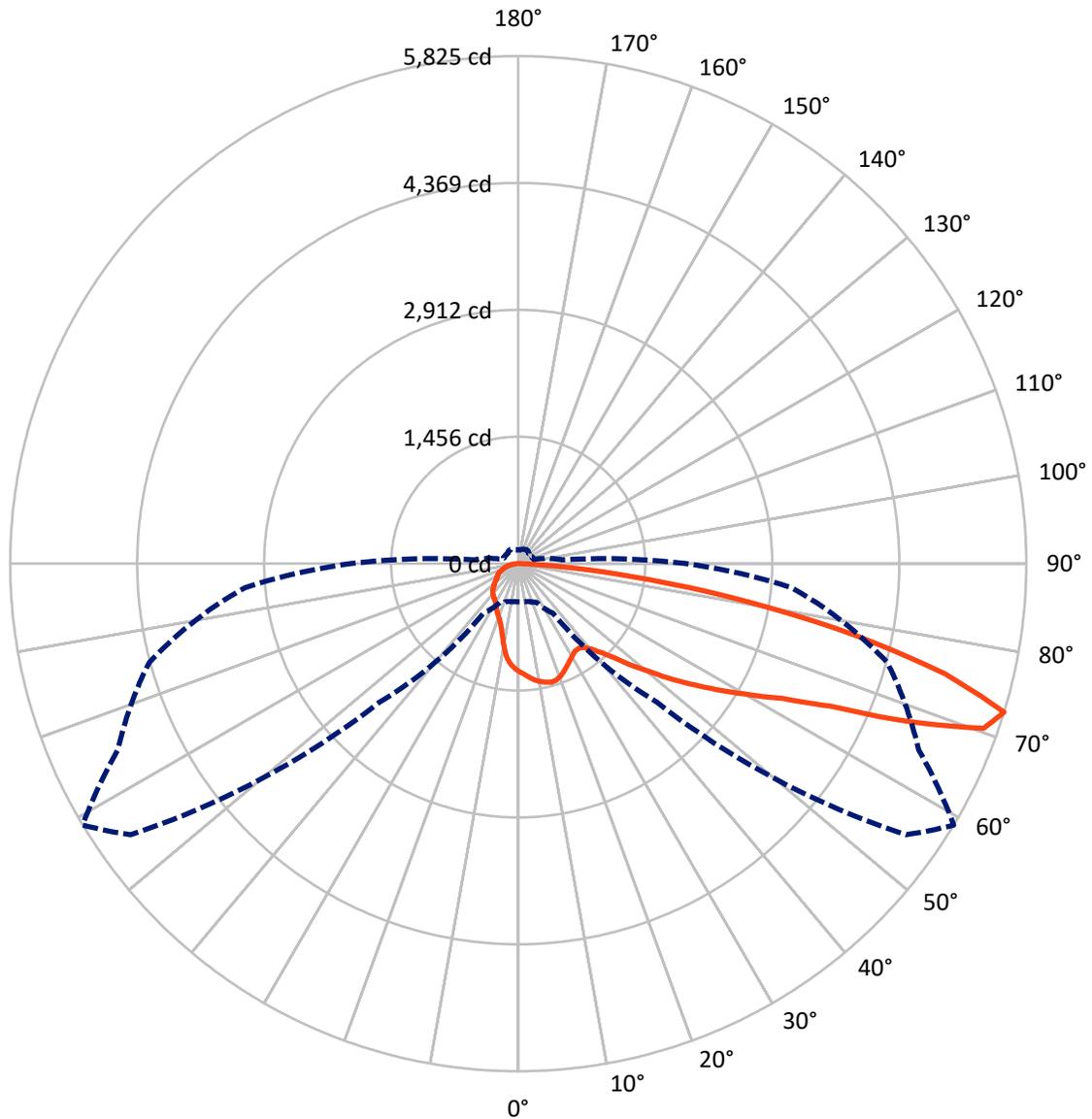


Based on 10 foot mounting height. Maximum calculated value = 12.9 fc  
 Type III - Medium - N/A

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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
<b>House Side</b>	Lumens	1119.0	0.0	1119.0
	% Fixture	17.0	0.0	17.0
<b>Street Side</b>	Lumens	5457.0	0.0	5457.0
	% Fixture	83.0	0.0	83.0
<b>Total</b>	Lumens	6576.0	0.0	6576.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.3	1.7
10°-20°	284.1	4.3
20°-30°	417.7	6.4
30°-40°	574.0	8.7
40°-50°	857.4	13.0
50°-60°	1306.6	19.9
60°-70°	1674.7	25.5
70°-80°	1157.7	17.6
80°-90°	192.6	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°	6576.0	100.0
0°-180°	6576.0	100.0



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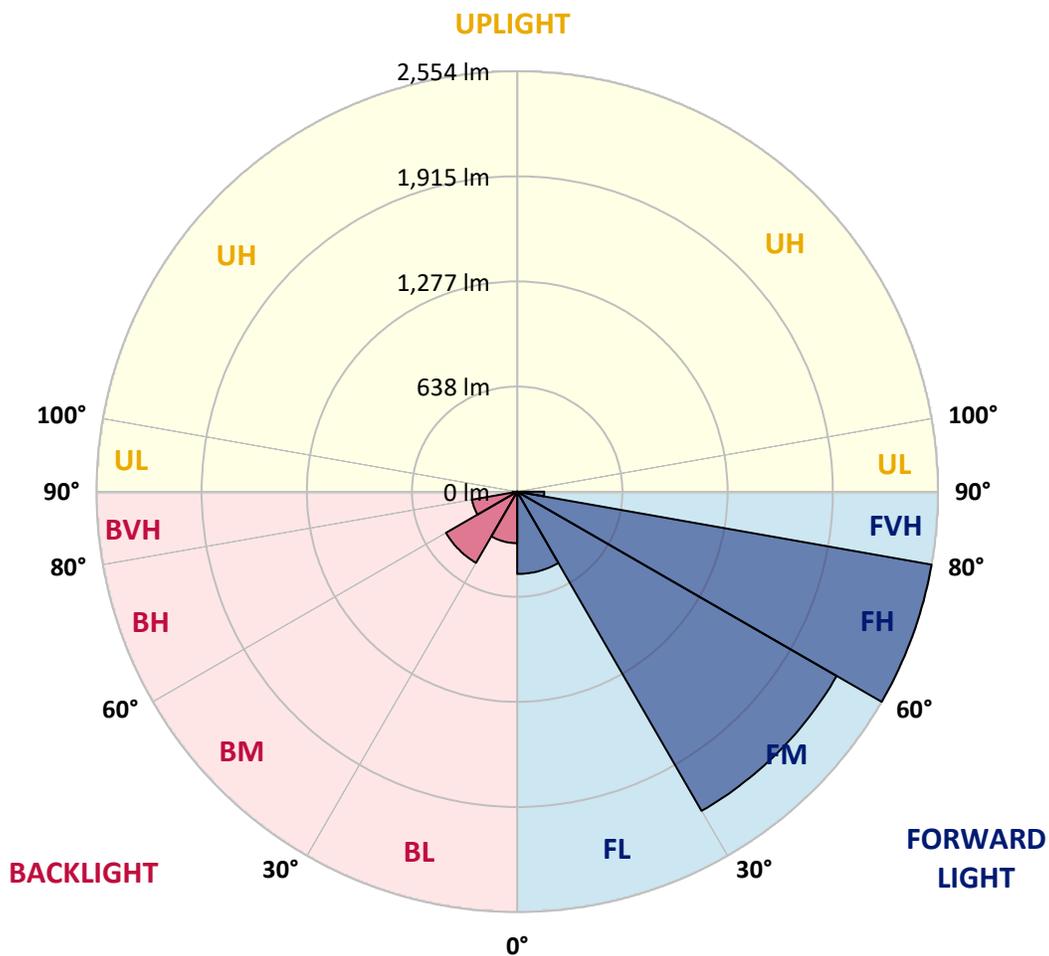
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	500.0	7.6			
FM	(30°-60°)	2238.9	34.0			
FH	(60°-80°)	2553.9	38.8			G2/5000
FVH	(80°-90°)	164.3	2.5			G2/225
BL	(0°-30°)	313.1	4.8	B1/500		
BM	(30°-60°)	499.1	7.6	B1/1000		
BH	(60°-80°)	278.5	4.2	B1/500		G1/500
BVH	(80°-90°)	28.3	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°	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1
2.5°	1291.0	1287.3	1289.2	1291.9	1284.6	1285.5	1276.4	1269.1	1263.6	1260.0	1251.8
5°	1322.9	1313.8	1317.4	1325.6	1317.4	1324.7	1314.7	1309.2	1300.1	1294.6	1276.4
7.5°	1296.5	1290.1	1299.2	1320.2	1330.2	1349.3	1351.2	1347.5	1343.9	1332.0	1309.2
10°	1174.3	1170.6	1194.3	1250.0	1296.5	1343.0	1374.0	1374.0	1375.8	1367.6	1340.2
12.5°	1019.3	1016.6	1047.6	1115.9	1207.1	1313.8	1387.6	1395.8	1410.4	1407.7	1373.0
15°	916.3	914.4	939.1	993.8	1087.7	1239.0	1385.8	1413.2	1443.2	1449.6	1406.8
17.5°	863.4	863.4	880.7	922.7	987.4	1135.1	1345.7	1405.9	1466.9	1497.0	1445.1
20°	848.8	847.0	857.0	882.5	927.2	1042.1	1285.5	1380.3	1485.2	1535.3	1469.7
22.5°	856.1	854.3	857.9	870.7	896.2	980.1	1220.8	1342.0	1495.2	1569.1	1491.6
25°	891.7	889.8	885.3	884.4	889.8	950.9	1155.1	1299.2	1505.2	1617.4	1518.0
27.5°	960.9	955.5	940.0	925.4	910.8	944.5	1113.2	1260.9	1518.0	1657.5	1534.4
30°	1050.3	1048.5	1029.3	1002.0	953.7	959.1	1086.8	1225.3	1518.0	1688.5	1533.5
32.5°	1115.9	1116.8	1113.2	1096.8	1028.4	991.9	1076.7	1196.2	1515.3	1731.3	1537.1
35°	1185.2	1185.2	1176.1	1176.1	1131.4	1055.8	1091.3	1193.4	1530.8	1802.5	1563.6
37.5°	1302.8	1301.0	1281.9	1262.7	1229.9	1158.8	1134.2	1219.9	1573.6	1916.4	1599.1
40°	1457.8	1461.5	1422.3	1369.4	1331.1	1278.2	1214.4	1287.3	1640.2	2052.3	1644.7
42.5°	1644.7	1654.8	1593.7	1520.7	1454.2	1384.9	1326.5	1394.9	1757.8	2245.5	1723.1
45°	1874.5	1864.5	1787.9	1690.3	1602.8	1485.2	1449.6	1534.4	1910.9	2507.2	1843.5
47.5°	2074.1	2079.6	1985.7	1879.0	1770.5	1607.3	1605.5	1738.6	2113.3	2775.3	1982.1
50°	2268.3	2284.8	2180.8	2068.7	1952.9	1744.1	1802.5	1941.0	2330.3	3048.8	2153.5
52.5°	2420.6	2431.5	2334.9	2238.3	2123.4	1924.6	2034.9	2200.9	2550.1	3310.4	2350.4
55°	2540.9	2556.4	2447.9	2367.7	2280.2	2121.6	2301.2	2457.1	2778.0	3553.9	2551.9
57.5°	2704.1	2713.3	2576.5	2506.3	2424.2	2345.8	2593.8	2745.2	3022.3	3760.8	2760.7
60°	2829.0	2834.5	2693.2	2671.3	2669.5	2654.9	2919.3	3054.2	3252.1	3954.1	2974.0
62.5°	2720.6	2720.6	2623.0	2684.1	2905.6	3162.7	3370.6	3410.7	3489.1	4141.9	3179.1
65°	2155.3	2177.2	2188.1	2393.2	2888.3	3682.4	4119.1	3942.2	3785.4	4314.2	3346.9
67.5°	1131.4	1175.2	1276.4	1630.1	2381.4	3872.0	5078.2	4843.9	4205.7	4430.0	3412.5
70°	576.2	589.0	641.8	839.7	1498.9	3373.3	5648.1	5661.7	4707.2	4480.2	3365.1
72.5°	437.6	437.6	449.5	488.7	692.9	2250.1	5424.7	5824.9	5066.4	4379.0	3141.8
75°	364.7	369.2	392.9	398.4	350.1	1167.9	4399.9	5053.6	4684.4	4007.9	2744.3
77.5°	292.7	295.4	332.8	354.7	236.1	499.6	3208.3	3944.1	3612.2	3239.3	1932.8
80°	220.6	225.2	258.9	303.6	175.0	239.8	2161.7	2697.8	2260.1	1985.7	892.6
82.5°	147.7	149.5	176.9	239.8	129.5	133.1	1273.7	1511.6	1098.6	744.0	234.3
85°	90.3	92.1	110.3	155.0	85.7	71.1	565.3	584.4	347.4	176.9	83.9
87.5°	41.0	45.6	57.4	74.8	42.9	29.2	94.8	93.0	68.4	63.8	35.6
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°	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1
2.5°	1239.9	1229.9	1219.9	1206.2	1194.3	1174.3	1160.6	1146.9	1139.6	1137.8	1135.1
5°	1261.8	1244.5	1215.3	1177.0	1135.1	1087.7	1043.0	1003.8	977.4	969.2	972.8
7.5°	1287.3	1262.7	1205.3	1131.4	1046.6	953.7	875.2	824.2	792.3	774.0	777.7
10°	1310.1	1274.6	1183.4	1059.4	914.4	797.7	735.8	700.2	683.8	682.0	681.0
12.5°	1332.9	1286.4	1149.7	956.4	795.9	703.8	672.8	662.8	661.0	662.8	661.9
15°	1359.4	1292.8	1092.2	849.7	712.0	664.6	654.6	651.9	652.8	657.3	656.4
17.5°	1381.2	1290.1	1002.9	753.1	667.4	645.5	636.4	631.8	636.4	644.6	644.6
20°	1388.5	1263.6	899.9	685.6	642.8	624.5	611.8	604.5	609.9	620.0	621.8
22.5°	1383.1	1213.5	794.1	638.2	617.2	599.9	586.2	578.9	581.7	589.0	589.9
25°	1374.9	1147.8	701.1	601.7	584.4	570.7	567.1	558.0	553.4	558.0	558.9
27.5°	1350.2	1061.2	624.5	564.4	547.9	549.8	547.9	539.7	533.4	532.4	534.3
30°	1295.5	940.9	567.1	526.1	520.6	530.6	530.6	518.8	506.9	505.1	507.8
32.5°	1229.9	817.8	519.7	494.1	505.1	510.6	510.6	500.5	488.7	481.4	485.0
35°	1165.2	701.1	483.2	472.3	493.2	497.8	493.2	489.6	470.4	452.2	456.8
37.5°	1090.4	600.8	451.3	455.9	479.6	481.4	481.4	468.6	443.1	427.6	431.2
40°	1009.3	525.1	424.9	441.3	465.0	465.0	457.7	449.5	436.7	421.2	423.0
42.5°	957.3	474.1	404.8	425.8	442.2	447.7	431.2	437.6	426.7	410.3	412.1
45°	950.0	442.2	388.4	402.1	416.7	414.8	415.7	420.3	410.3	388.4	387.5
47.5°	994.7	432.2	372.9	375.6	388.4	394.8	400.2	402.1	387.5	363.8	360.1
50°	1094.1	449.5	357.4	351.9	362.9	377.4	382.9	385.7	368.3	343.7	340.1
52.5°	1247.2	503.3	343.7	331.9	331.0	356.5	372.0	379.3	351.9	325.5	323.7
55°	1416.8	576.2	325.5	314.5	304.5	340.1	362.9	371.1	336.4	301.8	299.0
57.5°	1597.3	662.8	304.5	297.2	285.4	324.6	346.5	352.8	312.7	273.5	271.7
60°	1786.0	740.3	284.5	278.1	271.7	303.6	326.4	328.2	290.8	251.6	249.8
62.5°	1956.5	793.2	265.3	258.0	258.0	279.0	302.7	300.9	268.0	231.6	229.8
65°	2082.4	786.8	248.0	238.9	242.5	252.5	273.5	267.1	243.4	212.4	210.6
67.5°	2133.4	719.3	231.6	221.5	222.5	225.2	242.5	238.0	218.8	193.3	192.4
70°	2080.5	598.1	210.6	197.8	196.0	196.9	214.3	206.0	192.4	176.0	175.0
72.5°	1922.8	501.4	186.9	176.0	172.3	169.6	184.2	180.5	170.5	156.8	157.7
75°	1685.8	433.1	161.4	154.1	147.7	145.0	156.8	155.0	147.7	138.6	138.6
77.5°	1177.9	316.4	133.1	130.4	126.7	121.3	130.4	131.3	126.7	124.0	123.1
80°	510.6	176.9	104.8	106.7	102.1	98.5	105.8	106.7	110.3	106.7	107.6
82.5°	147.7	87.5	75.7	81.1	79.3	75.7	79.3	87.5	82.1	72.0	73.8
85°	54.7	41.9	47.4	51.1	48.3	38.3	50.1	57.4	52.0	48.3	49.2
87.5°	21.0	15.5	20.1	17.3	13.7	10.0	17.3	19.1	25.5	10.0	8.2
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)