

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: P1208505

Luminaire Tested: UPW-SA1-070-727-U-SL4

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208505  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-070-727-U-SL4  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6763 lumens  
Efficiency: N/A  
Efficacy: 100.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
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

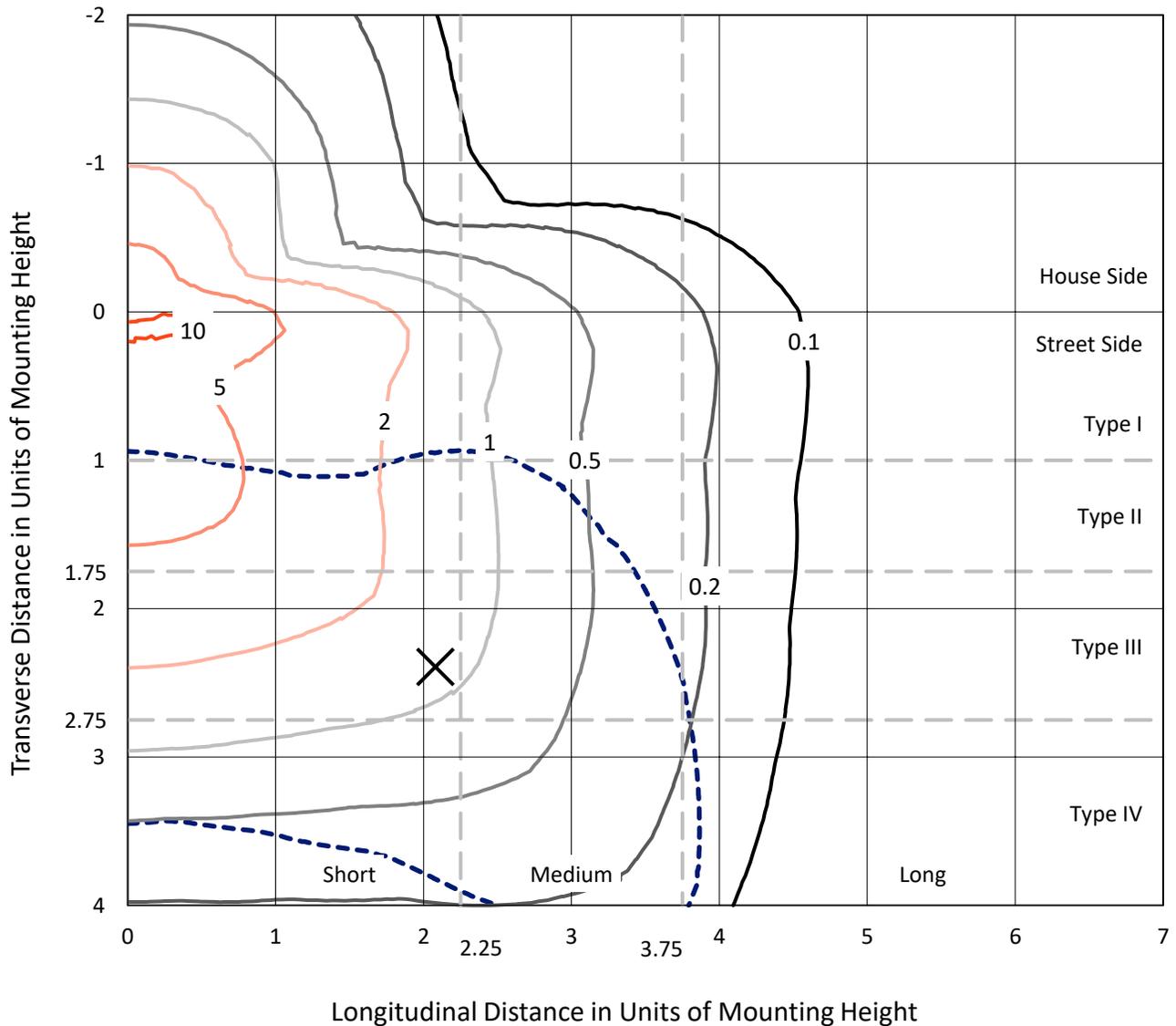


REPORT NUMBER: P1208505

CATALOG NUMBER: UPW-SA1-070-727-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

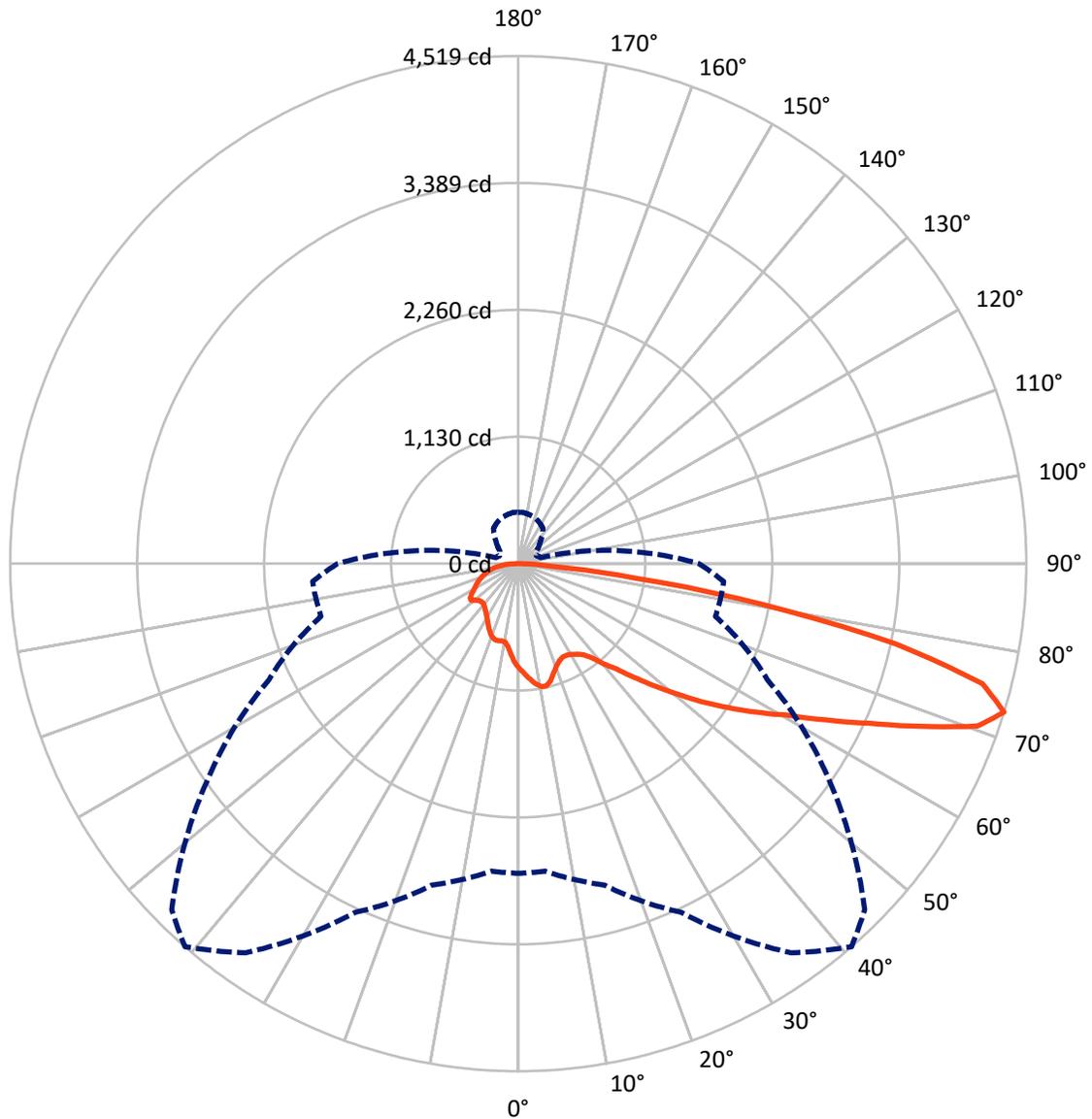


Based on 10 foot mounting height. Maximum calculated value = 10.8 fc  
 Type IV - Short - N/A

REPORT NUMBER: P1208505

CATALOG NUMBER: UPW-SA1-070-727-U-SL4

### Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P1208505

CATALOG NUMBER: UPW-SA1-070-727-U-SL4

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1463.4	0.0	1463.4
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	5299.6	0.0	5299.6
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	6763.0	0.0	6763.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.7	1.3
10°-20°	267.1	3.9
20°-30°	410.5	6.1
30°-40°	564.3	8.3
40°-50°	859.9	12.7
50°-60°	1269.9	18.8
60°-70°	1667.7	24.7
70°-80°	1428.9	21.1
80°-90°	205.9	3.0
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°	6763.0	100.0
0°-180°	6763.0	100.0



REPORT NUMBER: P1208505

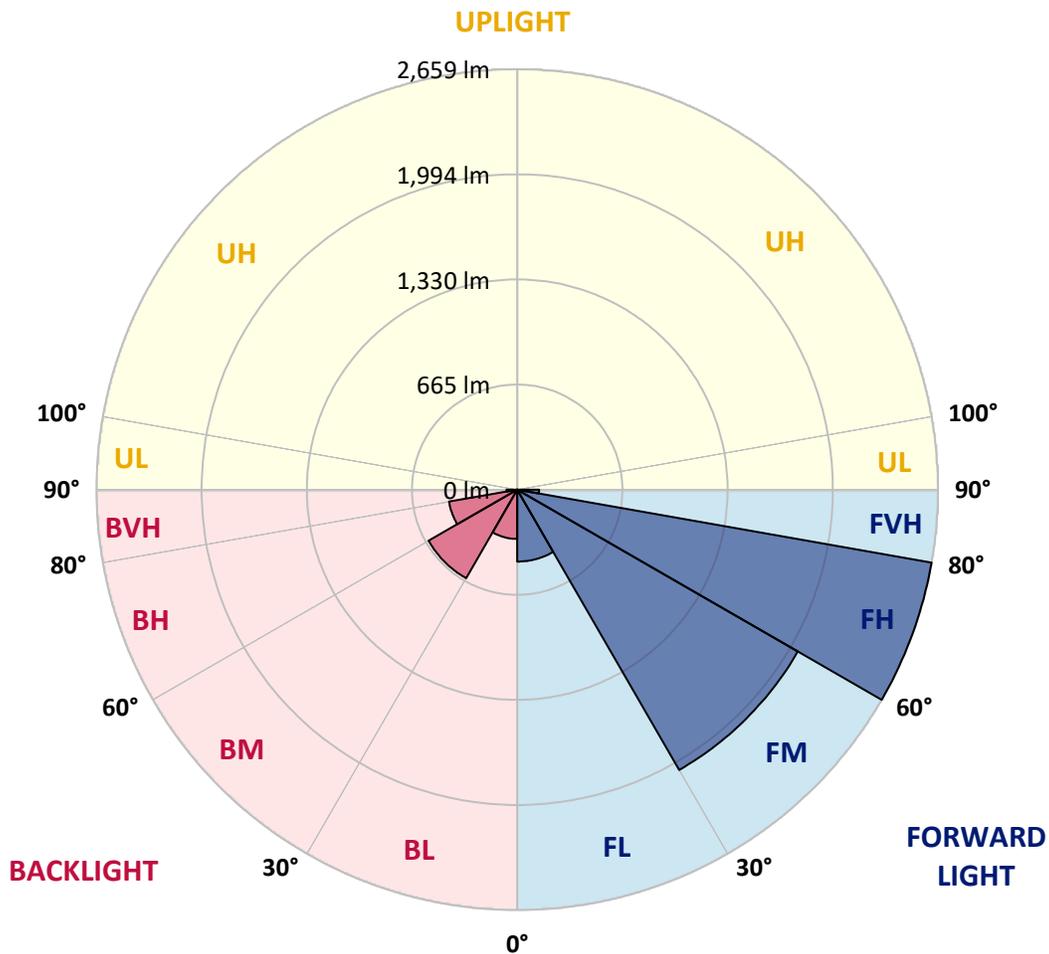
CATALOG NUMBER: UPW-SA1-070-727-U-SL4

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	454.8	6.7			
FM	(30°-60°)	2047.4	30.3			
FH	(60°-80°)	2659.1	39.3			G2/5000
FVH	(80°-90°)	138.3	2.0			G2/225
BL	(0°-30°)	311.5	4.6	B1/500		
BM	(30°-60°)	646.8	9.6	B1/1000		
BH	(60°-80°)	437.6	6.5	B1/500		G1/500
BVH	(80°-90°)	67.6	1.0			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 Short





REPORT NUMBER: P1208505

CATALOG NUMBER: UPW-SA1-070-727-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	929.6	929.6	929.6	929.6	929.6	929.6	929.6	929.6	929.6	929.6	929.6
2.5°	989.8	986.8	986.8	984.6	980.9	975.7	974.9	968.2	961.5	951.9	942.2
5°	1047.1	1042.6	1041.1	1038.1	1034.4	1027.0	1027.7	1015.8	1001.7	983.1	963.8
7.5°	1088.0	1085.0	1084.2	1085.0	1079.8	1076.1	1076.1	1061.9	1047.8	1027.7	998.0
10°	1102.1	1098.4	1101.3	1108.0	1113.2	1112.5	1116.2	1111.0	1100.6	1083.5	1041.8
12.5°	1076.8	1076.8	1078.3	1087.2	1104.3	1117.7	1129.6	1151.2	1160.8	1146.0	1093.9
15°	1038.1	1035.9	1033.7	1037.4	1058.2	1080.5	1105.8	1163.8	1206.2	1205.4	1148.9
17.5°	1015.1	1013.6	998.0	983.1	994.3	1020.3	1052.3	1145.2	1235.2	1259.7	1204.0
20°	1001.7	998.7	980.1	950.4	945.9	972.7	997.2	1107.3	1239.7	1311.8	1256.0
22.5°	990.5	989.0	965.3	925.8	914.7	937.0	962.3	1061.2	1223.3	1346.0	1302.1
25°	995.7	992.8	963.0	916.2	902.8	921.4	943.7	1024.7	1194.3	1365.3	1339.3
27.5°	1021.0	1021.0	981.6	925.8	908.7	921.4	938.5	1004.7	1163.1	1370.5	1373.5
30°	1079.0	1076.8	1027.0	959.3	931.8	937.0	948.9	998.0	1132.6	1360.9	1395.8
32.5°	1180.9	1173.5	1111.7	1019.5	966.0	960.8	963.0	993.5	1101.3	1343.8	1417.4
35°	1366.1	1346.0	1251.6	1125.9	1027.0	995.0	986.1	998.0	1082.7	1331.9	1437.5
37.5°	1613.0	1584.7	1468.0	1290.2	1132.6	1064.2	1033.7	1019.5	1079.8	1317.7	1456.8
40°	1848.0	1830.9	1692.5	1485.1	1269.4	1173.5	1123.6	1052.3	1083.5	1308.8	1483.6
42.5°	2147.6	2120.1	1959.5	1689.6	1419.6	1281.3	1209.2	1096.1	1107.3	1314.8	1514.1
45°	2470.4	2465.2	2265.1	1940.9	1607.0	1441.2	1349.7	1178.7	1153.4	1338.6	1559.4
47.5°	2819.2	2795.4	2585.7	2233.2	1819.7	1620.4	1507.4	1273.9	1219.6	1378.7	1619.7
50°	3115.9	3098.8	2883.1	2503.1	2051.7	1816.7	1685.1	1389.1	1302.1	1433.0	1682.9
52.5°	3274.3	3261.6	3129.3	2787.2	2289.7	2039.1	1849.4	1509.6	1405.5	1500.7	1752.0
55°	3236.3	3228.9	3228.2	3001.4	2549.2	2262.9	2036.8	1638.2	1524.5	1581.7	1833.8
57.5°	3225.9	3213.3	3220.0	3149.3	2796.1	2494.2	2245.1	1798.1	1673.2	1679.2	1919.3
60°	3236.3	3228.9	3266.8	3240.8	3028.1	2736.6	2487.5	1992.2	1828.6	1778.8	1995.9
62.5°	3333.0	3315.2	3344.9	3399.9	3281.0	3065.3	2793.9	2223.5	2001.1	1853.9	2055.4
65°	3481.0	3447.5	3457.2	3596.3	3579.2	3423.7	3157.5	2524.7	2163.3	1914.1	2082.9
67.5°	3523.4	3512.2	3537.5	3715.2	3893.0	3866.2	3618.6	2857.1	2321.7	1948.3	2051.7
70°	3348.6	3334.5	3447.5	3721.9	4201.6	4332.5	4102.7	3177.6	2457.0	1935.7	1980.3
72.5°	2756.7	2747.8	2962.7	3425.2	4229.9	4519.1	4358.5	3381.4	2445.8	1816.0	1835.3
75°	1783.3	1753.5	2098.6	2693.5	3795.6	4264.1	4150.3	3124.8	2142.4	1614.5	1581.0
77.5°	630.6	708.7	906.5	1601.8	2883.9	3431.9	3241.5	2344.0	1582.5	1183.1	1114.0
80°	220.1	231.3	289.3	600.1	1560.2	2198.2	2045.0	1358.6	845.5	616.5	591.2
82.5°	129.4	135.3	151.7	220.1	574.1	1044.1	871.6	570.4	309.4	264.7	232.0
85°	43.9	46.8	78.8	113.0	203.8	301.9	271.4	146.5	119.7	107.1	69.2
87.5°	8.9	10.4	17.1	37.2	68.4	77.3	58.7	35.7	49.8	49.8	23.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1208505

CATALOG NUMBER: UPW-SA1-070-727-U-SL4

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	929.6	929.6	929.6	929.6	929.6	929.6	929.6	929.6	929.6	929.6	929.6
2.5°	935.5	928.8	916.9	905.8	893.9	884.9	873.8	864.9	866.3	861.1	859.7
5°	951.1	937.0	908.7	879.0	848.5	819.5	795.0	774.9	763.7	757.8	757.0
7.5°	976.4	954.8	904.3	850.0	792.7	753.3	727.3	714.6	713.2	711.7	709.4
10°	1015.8	981.6	902.8	815.8	743.6	709.4	705.0	713.9	726.5	733.2	733.2
12.5°	1057.5	1013.6	902.0	780.8	705.7	694.6	714.6	739.9	760.7	770.4	768.9
15°	1102.1	1045.6	890.9	741.4	678.9	695.3	730.3	757.8	779.3	788.3	789.0
17.5°	1149.7	1074.6	872.3	698.3	659.6	693.8	729.5	753.3	772.6	779.3	777.9
20°	1190.6	1100.6	846.3	654.4	642.5	679.7	711.7	729.5	740.7	742.2	742.2
22.5°	1224.0	1119.2	808.3	613.5	618.7	655.2	679.7	689.4	693.8	696.1	695.3
25°	1256.8	1131.8	765.2	575.6	590.5	622.4	640.3	649.2	652.2	654.4	655.9
27.5°	1279.1	1137.8	714.6	533.9	557.7	585.2	602.4	611.3	618.0	622.4	622.4
30°	1294.7	1134.1	661.8	502.7	529.5	552.5	572.6	584.5	594.2	599.4	600.1
32.5°	1309.6	1129.6	608.3	471.5	501.2	525.8	548.8	566.7	580.0	586.0	588.2
35°	1320.7	1119.9	551.8	447.7	475.2	501.2	527.2	549.6	566.7	577.1	579.3
37.5°	1331.9	1110.3	499.7	422.4	452.9	481.1	510.9	532.4	552.5	566.7	571.1
40°	1347.5	1103.6	453.6	400.1	435.8	467.0	493.8	519.1	542.1	554.8	559.2
42.5°	1369.1	1099.1	414.2	383.7	422.4	458.1	486.3	519.1	547.3	553.3	556.2
45°	1398.1	1099.1	382.2	370.3	415.7	458.1	493.0	528.7	551.0	548.8	551.0
47.5°	1430.0	1099.1	356.9	358.4	412.7	464.0	503.4	546.6	570.4	577.1	581.5
50°	1474.6	1099.1	336.9	348.0	407.5	473.7	538.4	582.3	596.4	598.6	600.1
52.5°	1523.7	1108.8	322.0	337.6	406.0	504.9	565.9	580.8	580.0	573.4	572.6
55°	1582.5	1125.9	308.6	325.7	411.2	510.9	548.1	552.5	538.4	525.8	522.8
57.5°	1642.0	1147.4	295.2	310.8	390.4	474.4	519.1	515.3	514.6	507.9	507.2
60°	1707.4	1172.0	280.4	286.3	348.8	439.5	479.7	508.7	516.8	510.1	508.7
62.5°	1755.7	1200.2	264.7	259.5	313.1	408.3	465.5	502.0	517.6	517.6	516.8
65°	1778.8	1214.4	249.9	235.0	282.6	375.5	452.1	483.4	502.7	507.9	506.4
67.5°	1752.0	1195.0	238.7	214.2	253.6	342.1	430.6	459.6	484.9	493.0	492.3
70°	1705.9	1179.4	229.8	192.6	228.3	306.4	409.0	440.2	465.5	479.7	478.2
72.5°	1605.5	1124.4	207.5	174.0	200.0	278.1	383.0	419.4	443.2	458.8	458.1
75°	1378.0	988.3	173.3	156.9	169.6	250.6	354.7	395.6	412.7	427.6	426.9
77.5°	1015.8	742.9	136.1	132.4	142.0	221.6	319.0	359.2	372.6	383.7	381.5
80°	535.4	435.0	107.1	108.6	117.5	191.1	283.3	313.8	325.0	330.9	326.5
82.5°	233.5	188.1	79.6	86.3	92.2	153.2	233.5	260.3	267.7	263.3	250.6
85°	74.4	51.3	47.6	56.5	62.5	101.9	181.4	202.3	214.9	201.5	198.6
87.5°	18.6	17.1	20.1	29.0	32.7	56.5	123.4	127.9	145.0	44.6	41.6
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)