

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: P1208910

Luminaire Tested: UPW-SA2-070-827-U-SL4

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208910  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-070-827-U-SL4  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6977 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
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

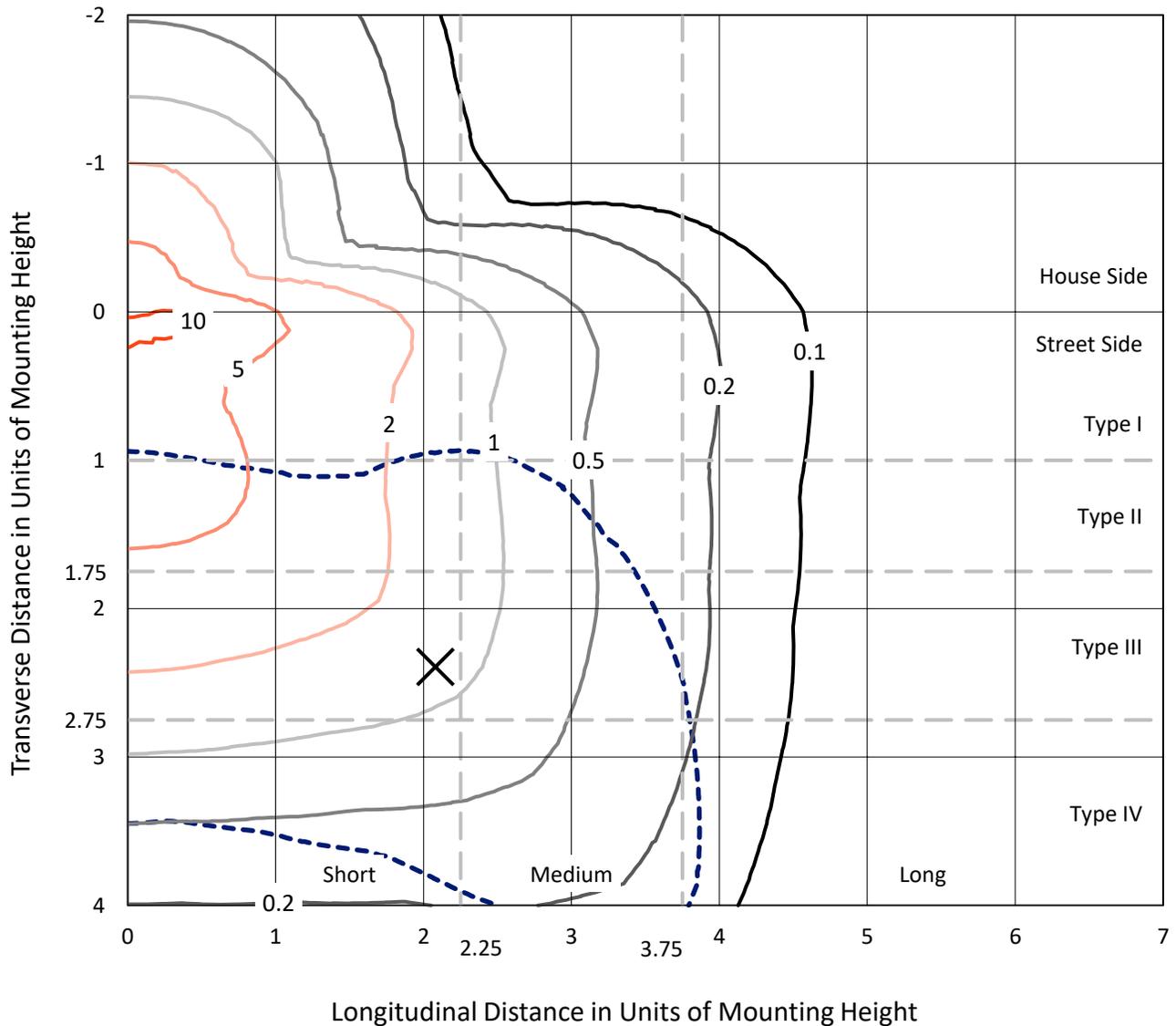


REPORT NUMBER: P1208910

CATALOG NUMBER: UPW-SA2-070-827-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

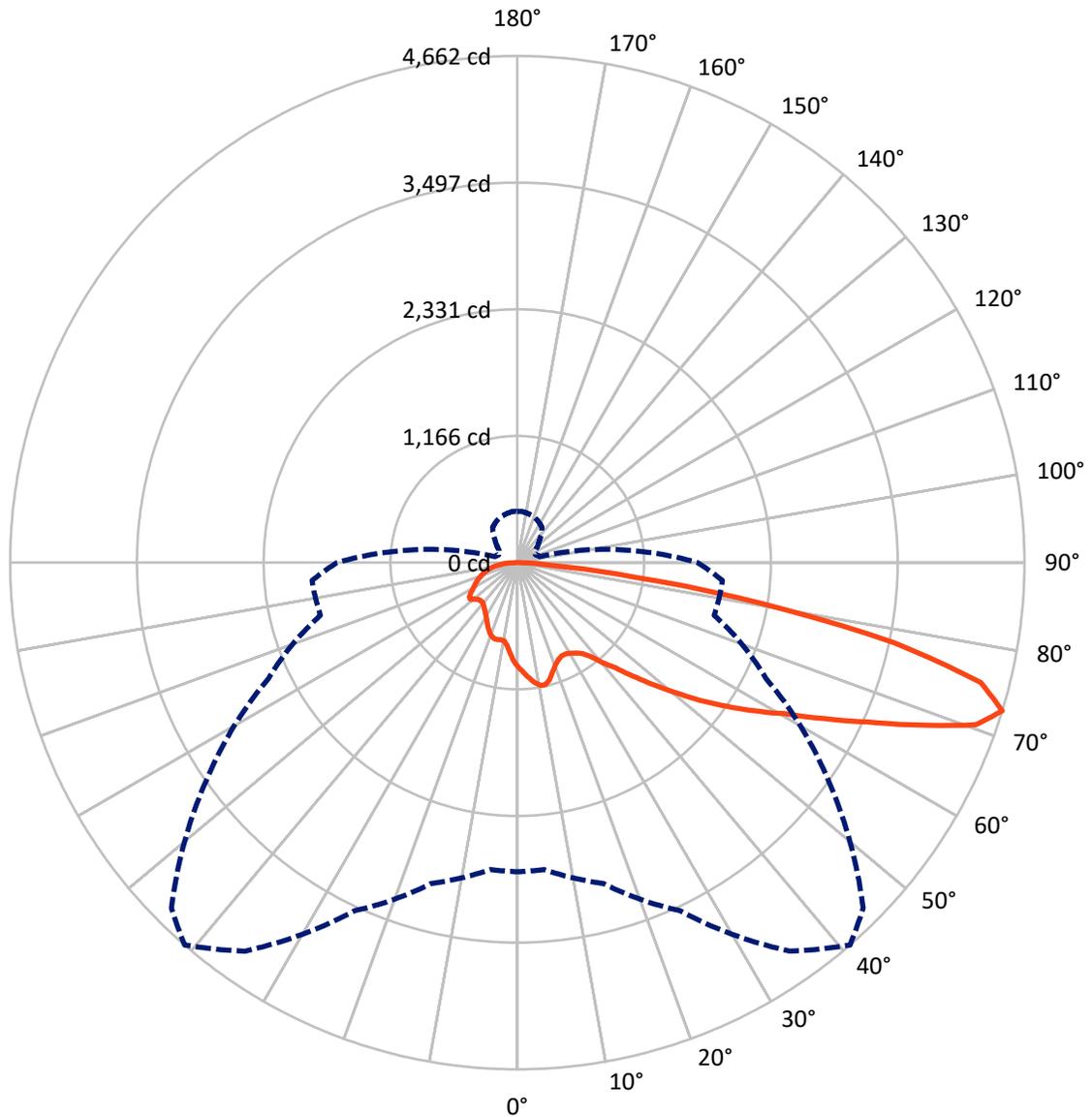


Based on 10 foot mounting height. Maximum calculated value = 11.1 fc  
 Type IV - Short - N/A

REPORT NUMBER: P1208910

CATALOG NUMBER: UPW-SA2-070-827-U-SL4

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208910

CATALOG NUMBER: UPW-SA2-070-827-U-SL4

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1509.7	0.0	1509.7
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	5467.3	0.0	5467.3
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	6977.0	0.0	6977.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.5	1.3
10°-20°	275.6	3.9
20°-30°	423.5	6.1
30°-40°	582.2	8.3
40°-50°	887.1	12.7
50°-60°	1310.1	18.8
60°-70°	1720.5	24.7
70°-80°	1474.1	21.1
80°-90°	212.4	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°	6977.0	100.0
0°-180°	6977.0	100.0



REPORT NUMBER: P1208910

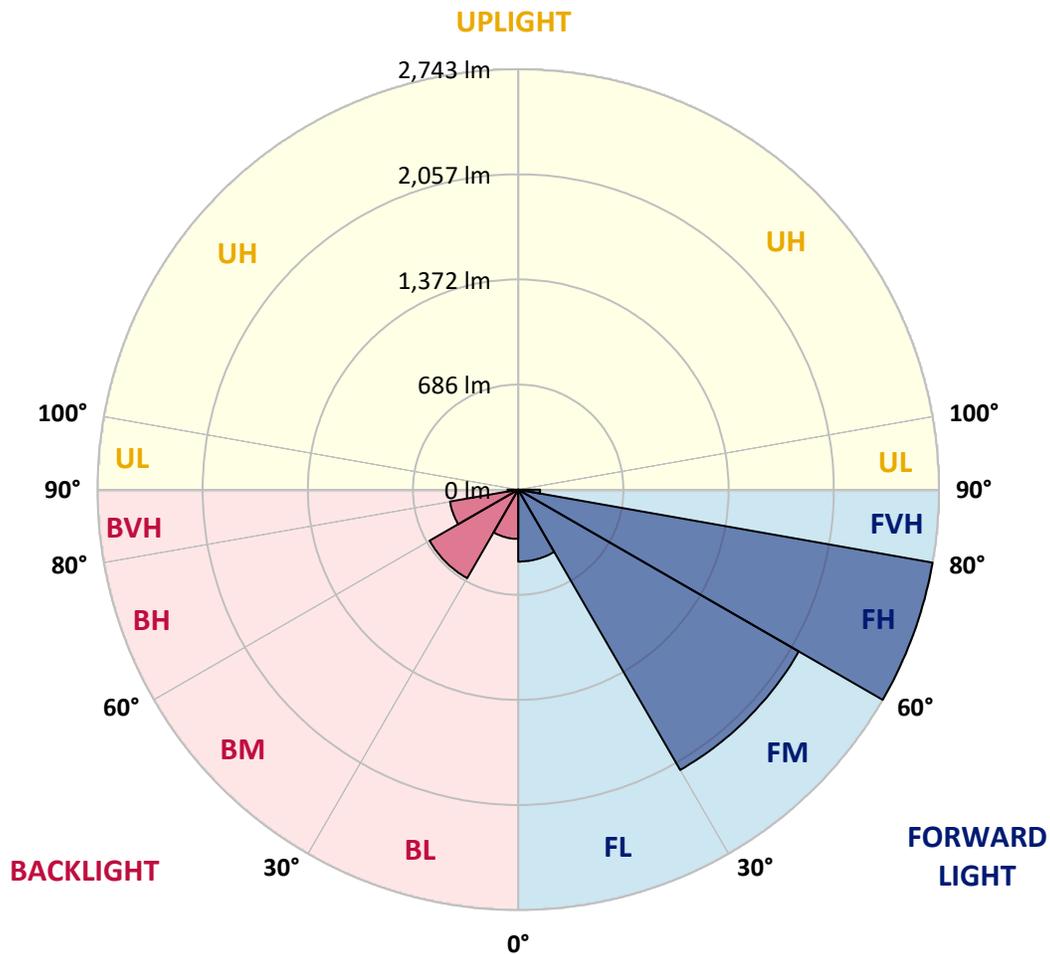
CATALOG NUMBER: UPW-SA2-070-827-U-SL4

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	469.2	6.7			
FM	(30°-60°)	2112.2	30.3			
FH	(60°-80°)	2743.2	39.3			G2/5000
FVH	(80°-90°)	142.7	2.0			G2/225
BL	(0°-30°)	321.3	4.6	B1/500		
BM	(30°-60°)	667.2	9.6	B1/1000		
BH	(60°-80°)	451.4	6.5	B1/500		G1/500
BVH	(80°-90°)	69.7	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: P1208910

CATALOG NUMBER: UPW-SA2-070-827-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
2.5°	1021.1	1018.0	1018.0	1015.7	1011.9	1006.5	1005.8	998.9	992.0	982.0	972.0
5°	1080.2	1075.6	1074.0	1071.0	1067.1	1059.5	1060.2	1048.0	1033.4	1014.2	994.3
7.5°	1122.4	1119.3	1118.5	1119.3	1113.9	1110.1	1110.1	1095.5	1081.0	1060.2	1029.5
10°	1137.0	1133.1	1136.2	1143.1	1148.5	1147.7	1151.5	1146.2	1135.4	1117.8	1074.8
12.5°	1110.9	1110.9	1112.4	1121.6	1139.3	1153.1	1165.3	1187.6	1197.6	1182.2	1128.5
15°	1071.0	1068.7	1066.4	1070.2	1091.7	1114.7	1140.8	1200.6	1244.4	1243.6	1185.3
17.5°	1047.2	1045.7	1029.5	1014.2	1025.7	1052.6	1085.6	1181.5	1274.3	1299.6	1242.1
20°	1033.4	1030.3	1011.1	980.5	975.8	1003.5	1028.8	1142.3	1278.9	1353.3	1295.8
22.5°	1021.9	1020.3	995.8	955.1	943.6	966.6	992.7	1094.8	1262.0	1388.6	1343.3
25°	1027.2	1024.2	993.5	945.2	931.4	950.5	973.5	1057.2	1232.1	1408.5	1381.7
27.5°	1053.3	1053.3	1012.7	955.1	937.5	950.5	968.2	1036.5	1199.9	1413.9	1417.0
30°	1113.2	1110.9	1059.5	989.7	961.3	966.6	978.9	1029.5	1168.4	1403.9	1440.0
32.5°	1218.3	1210.6	1146.9	1051.8	996.6	991.2	993.5	1024.9	1136.2	1386.3	1462.2
35°	1409.3	1388.6	1291.2	1161.5	1059.5	1026.5	1017.3	1029.5	1117.0	1374.0	1483.0
37.5°	1664.0	1634.9	1514.4	1331.1	1168.4	1097.8	1066.4	1051.8	1113.9	1359.4	1502.9
40°	1906.4	1888.8	1746.1	1532.1	1309.6	1210.6	1159.2	1085.6	1117.8	1350.2	1530.5
42.5°	2215.6	2187.2	2021.5	1743.0	1464.5	1321.8	1247.4	1130.8	1142.3	1356.4	1562.0
45°	2548.6	2543.2	2336.8	2002.3	1657.9	1486.8	1392.4	1216.0	1189.9	1380.9	1608.8
47.5°	2908.4	2883.8	2667.5	2303.8	1877.3	1671.7	1555.1	1314.2	1258.2	1422.3	1670.9
50°	3214.5	3196.8	2974.3	2582.3	2116.6	1874.2	1738.4	1433.1	1343.3	1478.3	1736.1
52.5°	3377.9	3364.8	3228.3	2875.4	2362.1	2103.6	1908.0	1557.4	1450.0	1548.2	1807.5
55°	3338.7	3331.1	3330.3	3096.3	2629.9	2334.5	2101.3	1690.1	1572.7	1631.8	1891.9
57.5°	3328.0	3315.0	3321.9	3249.0	2884.6	2573.1	2316.1	1855.0	1726.1	1732.3	1980.1
60°	3338.7	3331.1	3370.2	3343.4	3123.9	2823.2	2566.2	2055.3	1886.5	1835.1	2059.1
62.5°	3438.5	3420.1	3450.8	3507.5	3384.8	3162.3	2882.3	2293.9	2064.5	1912.6	2120.5
65°	3591.1	3556.6	3566.6	3710.1	3692.4	3532.1	3257.4	2604.6	2231.7	1974.7	2148.9
67.5°	3634.9	3623.4	3649.5	3832.8	4016.2	3988.5	3733.1	2947.5	2395.1	2010.0	2116.6
70°	3454.6	3440.0	3556.6	3839.7	4334.5	4469.6	4232.5	3278.1	2534.7	1997.0	2043.0
72.5°	2843.9	2834.7	3056.4	3533.6	4363.7	4662.1	4496.4	3488.3	2523.2	1873.4	1893.4
75°	1839.7	1809.0	2165.0	2778.7	3915.7	4399.0	4281.6	3223.7	2210.2	1665.5	1631.0
77.5°	650.6	731.1	935.2	1652.5	2975.1	3540.5	3344.1	2418.1	1632.6	1220.6	1149.2
80°	227.1	238.6	298.4	619.1	1609.5	2267.8	2109.7	1401.6	872.3	636.0	609.9
82.5°	133.5	139.6	156.5	227.1	592.3	1077.1	899.1	588.4	319.1	273.1	239.4
85°	45.3	48.3	81.3	116.6	210.2	311.5	280.0	151.1	123.5	110.5	71.3
87.5°	9.2	10.7	17.6	38.4	70.6	79.8	60.6	36.8	51.4	51.4	24.5
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: P1208910

CATALOG NUMBER: UPW-SA2-070-827-U-SL4

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
2.5°	965.1	958.2	945.9	934.4	922.1	912.9	901.4	892.2	893.8	888.4	886.9
5°	981.2	966.6	937.5	906.8	875.3	845.4	820.1	799.4	787.9	781.8	781.0
7.5°	1007.3	985.1	932.9	876.9	817.8	777.1	750.3	737.3	735.7	734.2	731.9
10°	1048.0	1012.7	931.4	841.6	767.2	731.9	727.3	736.5	749.5	756.4	756.4
12.5°	1090.9	1045.7	930.6	805.5	728.0	716.5	737.3	763.3	784.8	794.8	793.3
15°	1137.0	1078.6	919.1	764.9	700.4	717.3	753.4	781.8	804.0	813.2	814.0
17.5°	1186.1	1108.6	899.9	720.4	680.5	715.8	752.6	777.1	797.1	804.0	802.5
20°	1228.2	1135.4	873.0	675.1	662.8	701.2	734.2	752.6	764.1	765.6	765.6
22.5°	1262.8	1154.6	833.9	632.9	638.3	675.9	701.2	711.2	715.8	718.1	717.3
25°	1296.5	1167.6	789.4	593.8	609.1	642.1	660.5	669.7	672.8	675.1	676.6
27.5°	1319.5	1173.8	737.3	550.8	575.4	603.8	621.4	630.6	637.5	642.1	642.1
30°	1335.7	1169.9	682.8	518.6	546.2	570.0	590.7	603.0	613.0	618.3	619.1
32.5°	1351.0	1165.3	627.5	486.4	517.1	542.4	566.2	584.6	598.4	604.5	606.8
35°	1362.5	1155.4	569.2	461.8	490.2	517.1	543.9	566.9	584.6	595.3	597.6
37.5°	1374.0	1145.4	515.5	435.8	467.2	496.4	527.0	549.3	570.0	584.6	589.2
40°	1390.1	1138.5	468.0	412.7	449.6	481.8	509.4	535.5	559.3	572.3	576.9
42.5°	1412.4	1133.9	427.3	395.9	435.8	472.6	501.7	535.5	564.6	570.8	573.8
45°	1442.3	1133.9	394.3	382.1	428.9	472.6	508.6	545.5	568.5	566.2	568.5
47.5°	1475.3	1133.9	368.2	369.8	425.8	478.7	519.4	563.9	588.4	595.3	599.9
50°	1521.3	1133.9	347.5	359.0	420.4	488.7	555.4	600.7	615.3	617.6	619.1
52.5°	1571.9	1143.9	332.2	348.3	418.9	520.9	583.8	599.2	598.4	591.5	590.7
55°	1632.6	1161.5	318.4	336.0	424.2	527.0	565.4	570.0	555.4	542.4	539.3
57.5°	1693.9	1183.8	304.6	320.7	402.8	489.5	535.5	531.7	530.9	524.0	523.2
60°	1761.4	1209.1	289.2	295.4	359.8	453.4	494.8	524.7	533.2	526.3	524.7
62.5°	1811.3	1238.2	273.1	267.7	323.0	421.2	480.3	517.8	534.0	534.0	533.2
65°	1835.1	1252.8	257.8	242.4	291.5	387.4	466.4	498.7	518.6	524.0	522.4
67.5°	1807.5	1232.9	246.3	220.9	261.6	352.9	444.2	474.1	500.2	508.6	507.9
70°	1759.9	1216.7	237.1	198.7	235.5	316.1	421.9	454.2	480.3	494.8	493.3
72.5°	1656.3	1160.0	214.0	179.5	206.4	286.9	395.1	432.7	457.2	473.3	472.6
75°	1421.6	1019.6	178.8	161.9	174.9	258.5	365.9	408.1	425.8	441.1	440.4
77.5°	1048.0	766.4	140.4	136.6	146.5	228.6	329.1	370.5	384.4	395.9	393.6
80°	552.4	448.8	110.5	112.0	121.2	197.2	292.3	323.7	335.3	341.4	336.8
82.5°	240.9	194.1	82.1	89.0	95.1	158.0	240.9	268.5	276.2	271.6	258.5
85°	76.7	52.9	49.1	58.3	64.4	105.1	187.2	208.7	221.7	207.9	204.8
87.5°	19.2	17.6	20.7	29.9	33.8	58.3	127.4	132.0	149.6	46.0	43.0
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)