

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: P1208923

Luminaire Tested: UPW-SA2-070-827-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208923
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-SA2-070-827-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7311 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
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

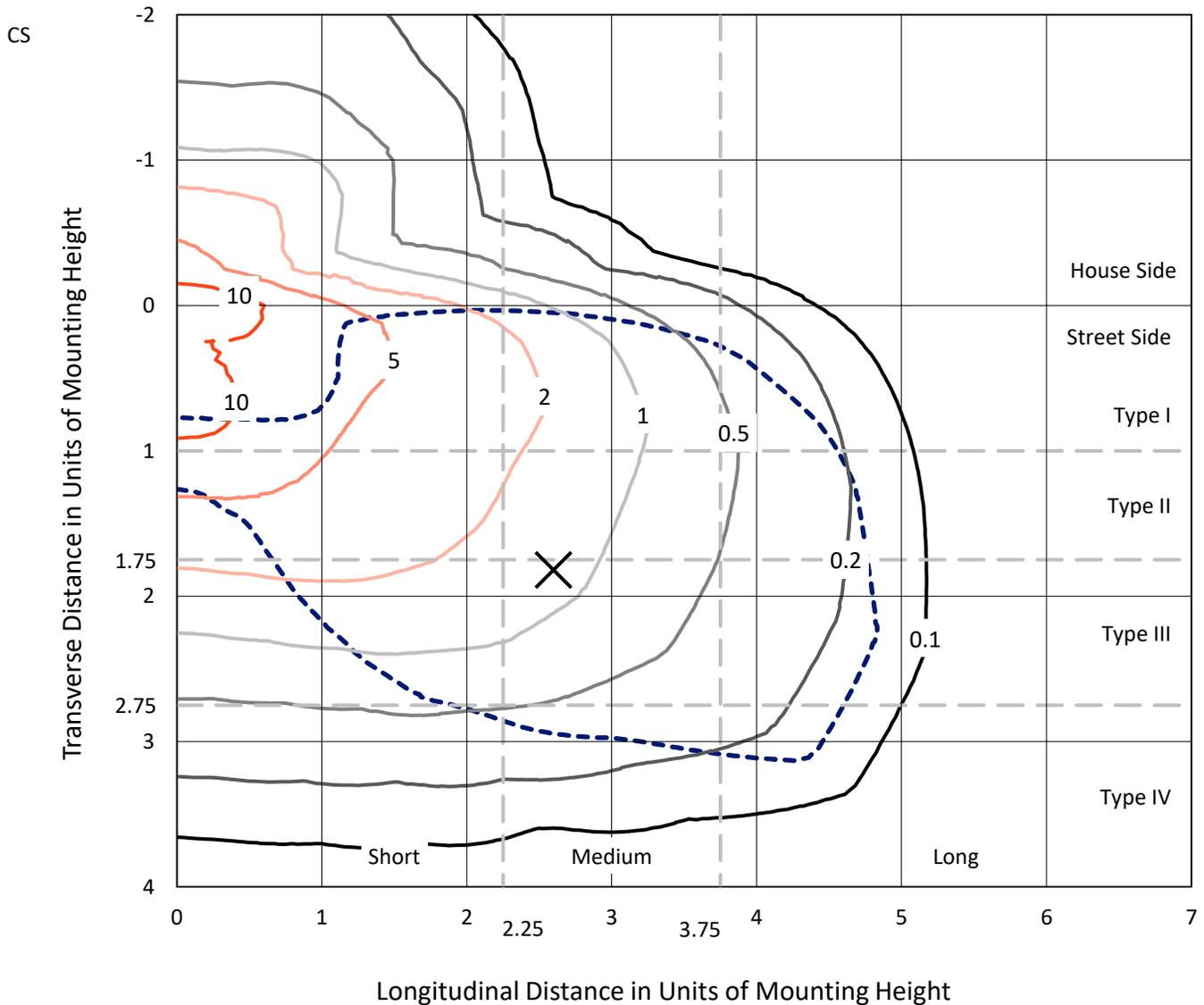


REPORT NUMBER: P1208923

CATALOG NUMBER: UPW-SA2-070-827-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

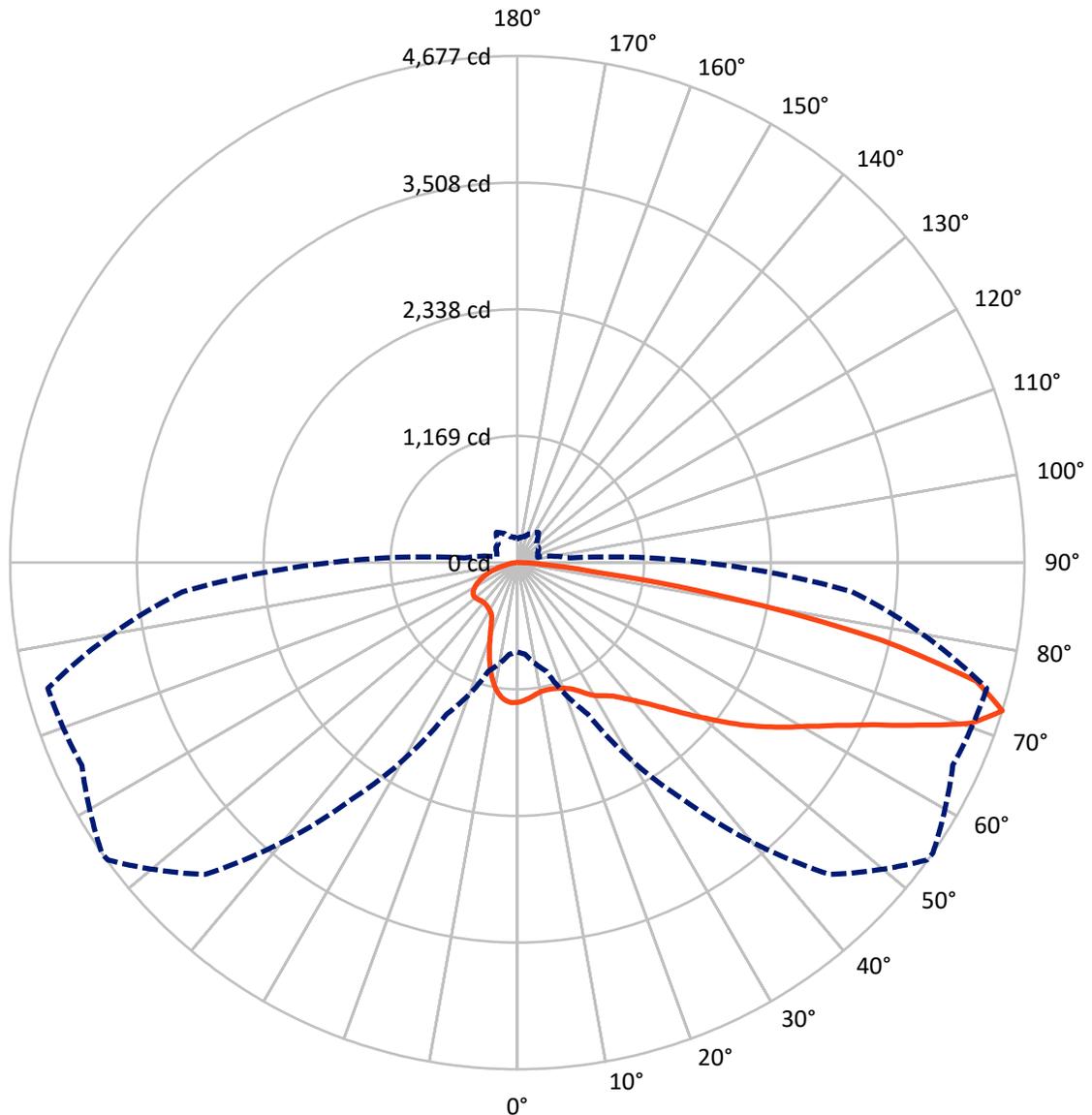


Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type IV - Medium - N/A

REPORT NUMBER: P1208923

CATALOG NUMBER: UPW-SA2-070-827-U-T3R

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P1208923

CATALOG NUMBER: UPW-SA2-070-827-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1358.9	0.0	1358.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	5952.1	0.0	5952.1
	% Fixture	81.4	0.0	81.4
Total	Lumens	7311.0	0.0	7311.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.7	1.6
10°-20°	310.7	4.2
20°-30°	512.2	7.0
30°-40°	757.7	10.4
40°-50°	1057.5	14.5
50°-60°	1377.0	18.8
60°-70°	1692.2	23.1
70°-80°	1326.5	18.1
80°-90°	160.5	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°	7311.0	100.0
0°-180°	7311.0	100.0



REPORT NUMBER: P1208923

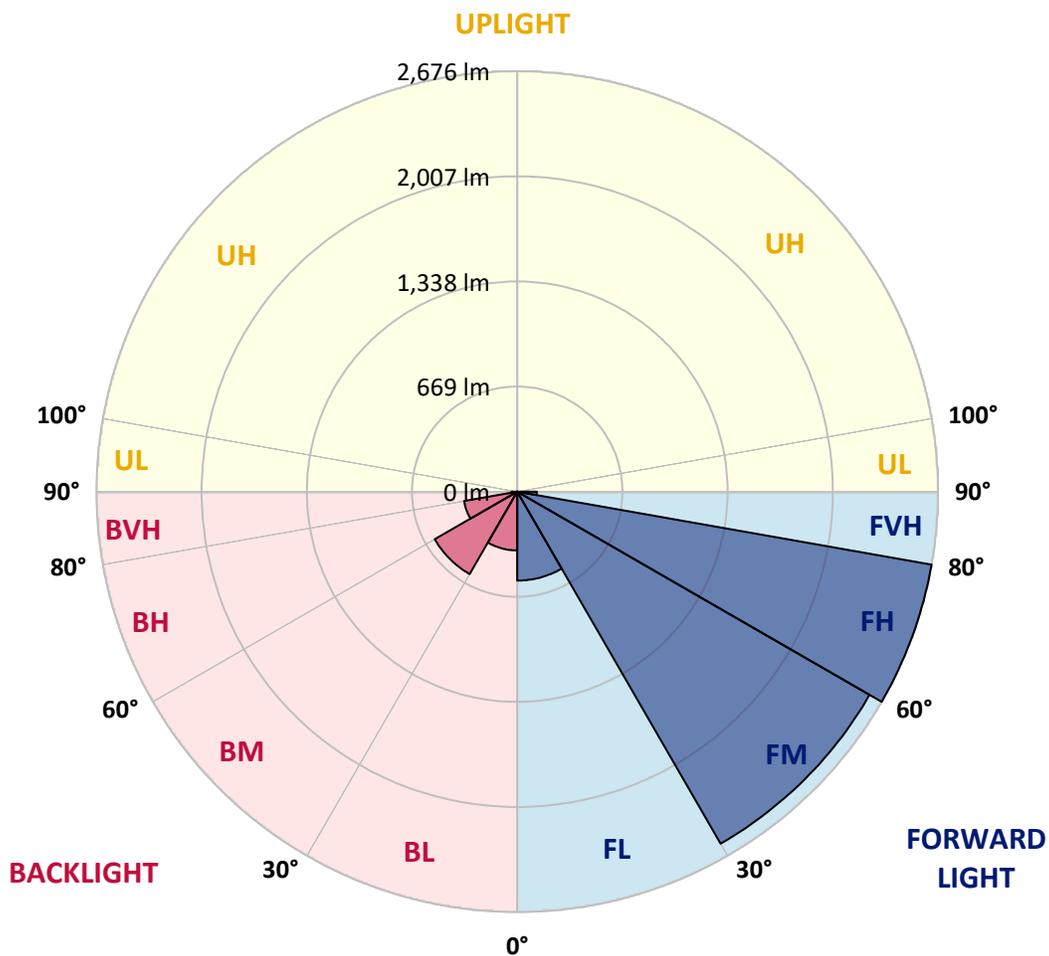
CATALOG NUMBER: UPW-SA2-070-827-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	565.7	7.7			
FM	(30°-60°)	2586.8	35.4			
FH	(60°-80°)	2675.6	36.6			G2/5000
FVH	(80°-90°)	124.1	1.7			G2/225
BL	(0°-30°)	373.9	5.1	B1/500		
BM	(30°-60°)	605.4	8.3	B1/1000		
BH	(60°-80°)	343.2	4.7	B1/500		G1/500
BVH	(80°-90°)	36.4	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-G2

Type IV Medium





REPORT NUMBER: P1208923

CATALOG NUMBER: UPW-SA2-070-827-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1289.5	1289.5	1289.5	1289.5	1289.5	1289.5	1289.5	1289.5	1289.5	1289.5	1289.5
2.5°	1247.5	1244.6	1248.3	1253.5	1259.1	1266.8	1271.2	1273.2	1280.9	1283.8	1290.2
5°	1189.7	1188.3	1194.4	1203.3	1215.9	1233.7	1248.0	1250.7	1271.0	1285.3	1298.4
7.5°	1147.8	1147.8	1154.9	1165.5	1179.6	1203.6	1223.8	1227.5	1261.8	1292.7	1316.9
10°	1114.4	1115.7	1124.1	1136.6	1153.2	1178.6	1205.5	1209.7	1259.4	1310.0	1348.5
12.5°	1092.2	1095.2	1102.8	1114.2	1134.7	1165.5	1199.6	1205.3	1264.6	1334.7	1386.5
15°	1106.3	1111.2	1112.0	1116.6	1128.0	1161.6	1203.1	1209.0	1275.7	1359.9	1429.8
17.5°	1168.0	1169.7	1162.1	1152.2	1146.8	1168.3	1213.4	1219.6	1289.0	1384.8	1471.2
20°	1261.8	1260.9	1244.3	1217.6	1190.0	1193.4	1230.5	1236.9	1307.0	1406.8	1512.7
22.5°	1380.4	1376.9	1351.5	1302.3	1255.2	1235.4	1260.4	1265.8	1334.2	1438.2	1557.2
25°	1524.1	1516.4	1482.9	1416.9	1347.5	1296.7	1305.3	1310.5	1373.7	1473.2	1597.9
27.5°	1675.7	1668.1	1625.3	1545.6	1453.2	1374.0	1367.3	1371.7	1418.7	1499.2	1628.1
30°	1834.2	1826.1	1787.1	1697.7	1565.3	1454.0	1425.1	1426.8	1450.3	1513.2	1652.7
32.5°	1993.5	1985.9	1942.2	1838.4	1687.1	1539.9	1466.8	1464.6	1469.3	1527.8	1680.7
35°	2155.0	2158.0	2106.9	1992.0	1821.9	1635.5	1516.2	1511.5	1501.1	1557.7	1720.2
37.5°	2327.9	2325.9	2259.7	2139.7	1962.9	1739.2	1587.1	1586.3	1550.5	1614.2	1782.1
40°	2443.4	2444.7	2404.4	2290.8	2105.4	1854.0	1677.9	1676.2	1629.3	1698.9	1863.4
42.5°	2488.6	2496.8	2507.1	2435.0	2254.5	1987.1	1786.3	1783.9	1739.2	1820.4	1958.9
45°	2491.8	2508.1	2572.3	2563.2	2405.7	2139.5	1924.9	1918.0	1885.9	1981.9	2073.0
47.5°	2464.2	2481.0	2587.6	2639.5	2540.7	2300.2	2086.9	2081.4	2053.8	2183.9	2196.5
50°	2403.7	2419.7	2556.0	2676.8	2651.9	2454.8	2273.5	2259.2	2244.4	2417.3	2337.7
52.5°	2290.3	2321.2	2513.8	2685.7	2718.3	2592.1	2469.9	2460.5	2468.6	2663.5	2479.2
55°	2021.9	2056.5	2404.9	2678.3	2767.4	2707.4	2666.2	2665.7	2707.9	2921.8	2631.1
57.5°	1871.5	1896.0	2183.2	2665.7	2825.7	2822.0	2860.5	2865.2	2947.4	3203.0	2790.1
60°	1786.6	1812.3	2070.8	2619.0	2916.1	2970.2	3058.8	3068.2	3190.9	3514.4	2981.5
62.5°	1709.3	1737.4	2001.2	2523.9	3022.5	3182.0	3296.4	3304.8	3448.7	3834.4	3166.5
65°	1577.2	1609.0	1899.2	2461.5	3119.3	3458.3	3598.4	3604.0	3744.8	4169.8	3308.0
67.5°	1390.5	1419.6	1706.8	2323.4	3190.9	3793.9	3999.9	4003.1	4038.4	4406.6	3380.3
70°	1172.5	1183.6	1432.7	2038.5	3106.2	4107.8	4439.9	4440.7	4306.1	4558.2	3368.5
72.5°	823.8	850.0	1040.1	1543.1	2669.4	4069.5	4668.3	4676.7	4430.5	4481.7	3099.3
75°	505.2	532.9	652.4	935.1	1693.5	3200.5	4313.2	4371.5	4197.2	3995.9	2531.8
77.5°	337.8	348.2	425.7	545.2	767.2	1841.4	3316.1	3425.8	3486.7	2914.1	1619.2
80°	188.4	208.2	282.2	338.8	341.3	731.7	1988.3	2014.0	1939.9	1160.4	499.6
82.5°	99.8	110.6	188.4	199.0	186.2	245.0	741.1	741.8	619.8	311.1	148.4
85°	77.3	86.4	129.1	121.5	95.1	108.7	244.5	257.8	210.9	127.4	48.4
87.5°	38.5	47.9	87.7	77.0	37.3	31.1	87.4	93.3	83.2	49.9	17.5
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: P1208923

CATALOG NUMBER: UPW-SA2-070-827-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1289.5	1289.5	1289.5	1289.5	1289.5	1289.5	1289.5	1289.5	1289.5	1289.5	1289.5
2.5°	1292.7	1294.9	1297.7	1294.7	1293.7	1289.8	1283.1	1281.6	1278.1	1278.4	1280.4
5°	1304.1	1307.8	1306.3	1294.9	1281.4	1262.3	1242.6	1225.8	1214.7	1213.9	1213.2
7.5°	1325.8	1328.3	1316.7	1284.3	1246.3	1202.3	1160.8	1124.5	1102.6	1097.1	1095.9
10°	1359.9	1359.4	1327.5	1262.3	1186.5	1108.0	1041.3	991.0	961.6	952.9	950.7
12.5°	1397.9	1392.2	1331.2	1222.3	1102.1	993.2	908.7	852.7	822.1	812.2	809.7
15°	1437.2	1423.1	1322.1	1162.6	998.4	869.5	780.8	729.0	712.4	707.0	706.0
17.5°	1473.7	1446.6	1295.9	1081.6	880.1	746.2	677.1	656.4	660.3	667.5	667.7
20°	1509.5	1462.4	1253.9	979.4	755.4	644.8	621.3	636.6	655.4	669.9	671.9
22.5°	1544.8	1473.5	1199.9	861.3	643.8	587.7	604.3	632.2	653.6	669.4	672.2
25°	1574.5	1476.2	1125.3	735.4	566.2	566.2	596.1	622.5	643.8	659.3	662.0
27.5°	1585.3	1457.9	1020.1	618.8	527.2	556.3	584.7	606.7	624.7	641.3	644.3
30°	1589.5	1424.1	898.6	525.2	511.2	545.7	569.4	588.2	605.2	620.8	623.5
32.5°	1590.3	1383.3	769.7	472.1	500.0	534.6	550.4	567.0	585.2	591.4	592.4
35°	1595.0	1335.2	633.9	445.0	489.7	524.2	536.8	548.7	519.1	521.3	523.3
37.5°	1608.5	1287.5	520.3	429.7	483.0	518.8	533.9	490.9	467.7	462.3	461.5
40°	1634.0	1236.7	436.1	417.3	480.5	521.5	514.9	458.3	418.3	388.4	384.0
42.5°	1669.3	1181.8	382.3	409.2	482.3	534.6	488.4	427.0	360.5	341.3	338.8
45°	1709.0	1124.3	353.1	403.5	488.2	544.7	483.0	385.2	333.6	319.0	317.8
47.5°	1747.6	1053.9	338.1	401.0	496.3	536.6	460.0	372.4	320.8	313.1	313.9
50°	1791.8	990.5	328.9	398.3	503.5	531.4	434.1	365.7	315.8	325.2	335.1
52.5°	1829.1	924.8	320.8	392.9	506.2	522.3	427.4	366.9	315.8	333.9	343.2
55°	1873.3	875.1	311.4	381.5	501.0	496.3	422.8	374.4	319.5	308.2	309.2
57.5°	1930.3	858.8	301.0	363.7	483.7	458.6	420.5	381.5	317.3	310.2	312.6
60°	2009.3	876.1	296.8	340.5	456.8	428.9	420.8	377.8	301.8	289.4	289.7
62.5°	2084.6	895.4	296.6	326.0	423.7	402.5	415.1	365.7	293.9	286.7	289.4
65°	2109.3	875.9	284.7	309.7	386.5	370.9	404.7	352.9	287.9	277.1	276.6
67.5°	2076.2	815.4	260.8	283.2	343.7	334.1	391.1	337.6	278.5	269.7	268.2
70°	1978.0	680.3	231.1	248.4	295.1	292.6	369.7	319.8	266.0	258.3	251.9
72.5°	1713.5	484.7	194.8	206.7	240.3	248.2	340.0	296.6	248.2	231.6	221.7
75°	1407.3	358.8	160.0	162.5	182.5	204.0	299.3	269.4	227.2	199.0	191.4
77.5°	861.8	219.5	127.4	128.4	130.9	162.7	246.4	239.0	200.5	165.9	160.5
80°	279.0	119.8	92.1	96.8	89.4	119.3	190.6	203.5	172.1	138.8	132.9
82.5°	106.2	69.9	62.2	65.4	62.0	80.0	139.0	163.0	141.0	114.1	92.8
85°	51.4	39.5	36.8	41.2	38.3	41.0	88.9	120.0	106.9	74.3	69.1
87.5°	18.3	17.5	14.1	19.0	16.3	14.6	27.2	60.5	70.6	51.1	45.7
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)