

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: P1208908

Luminaire Tested: UPW-SA2-070-827-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-827-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6785 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - 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

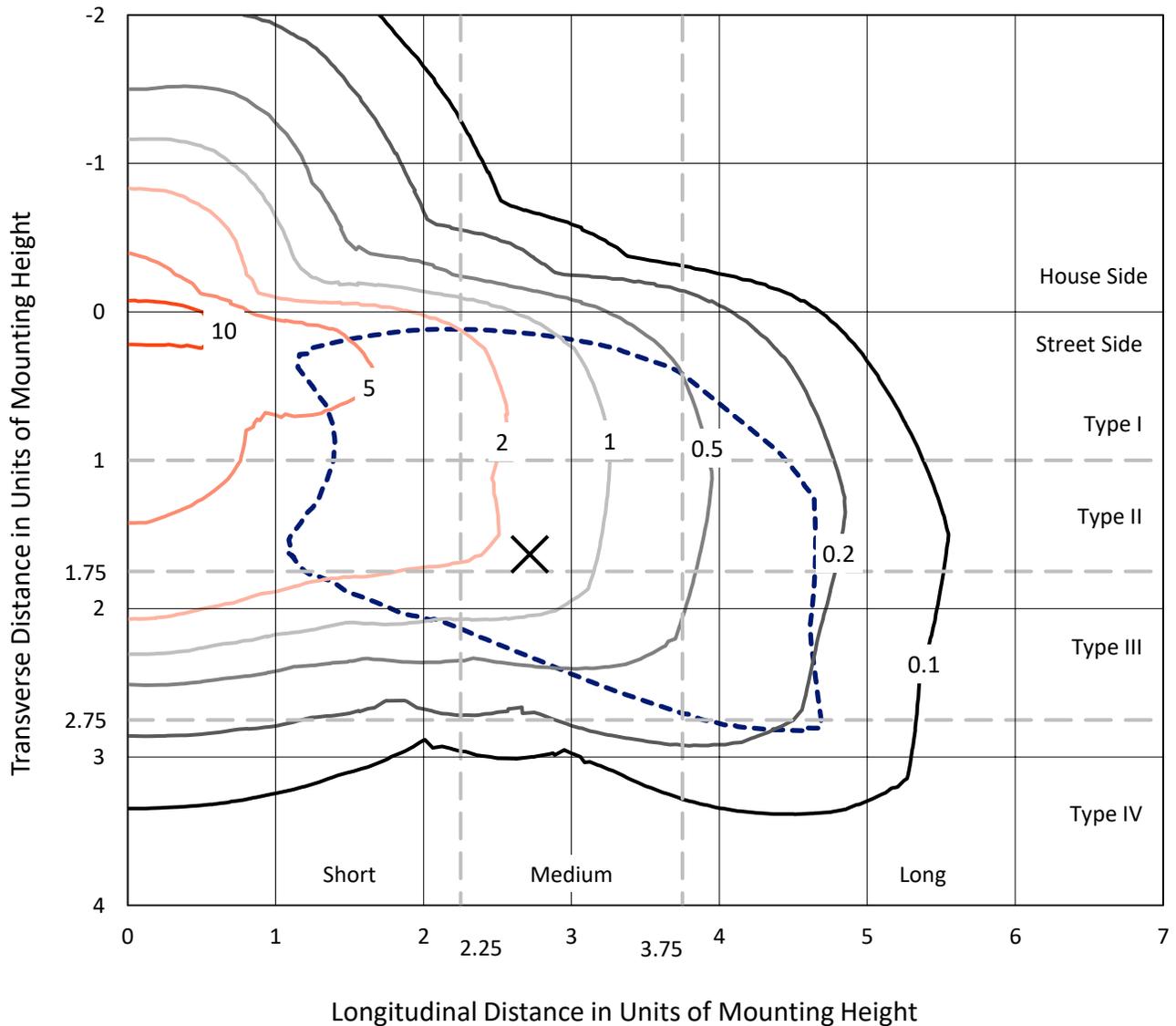


REPORT NUMBER: P1208908

CATALOG NUMBER: UPW-SA2-070-827-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

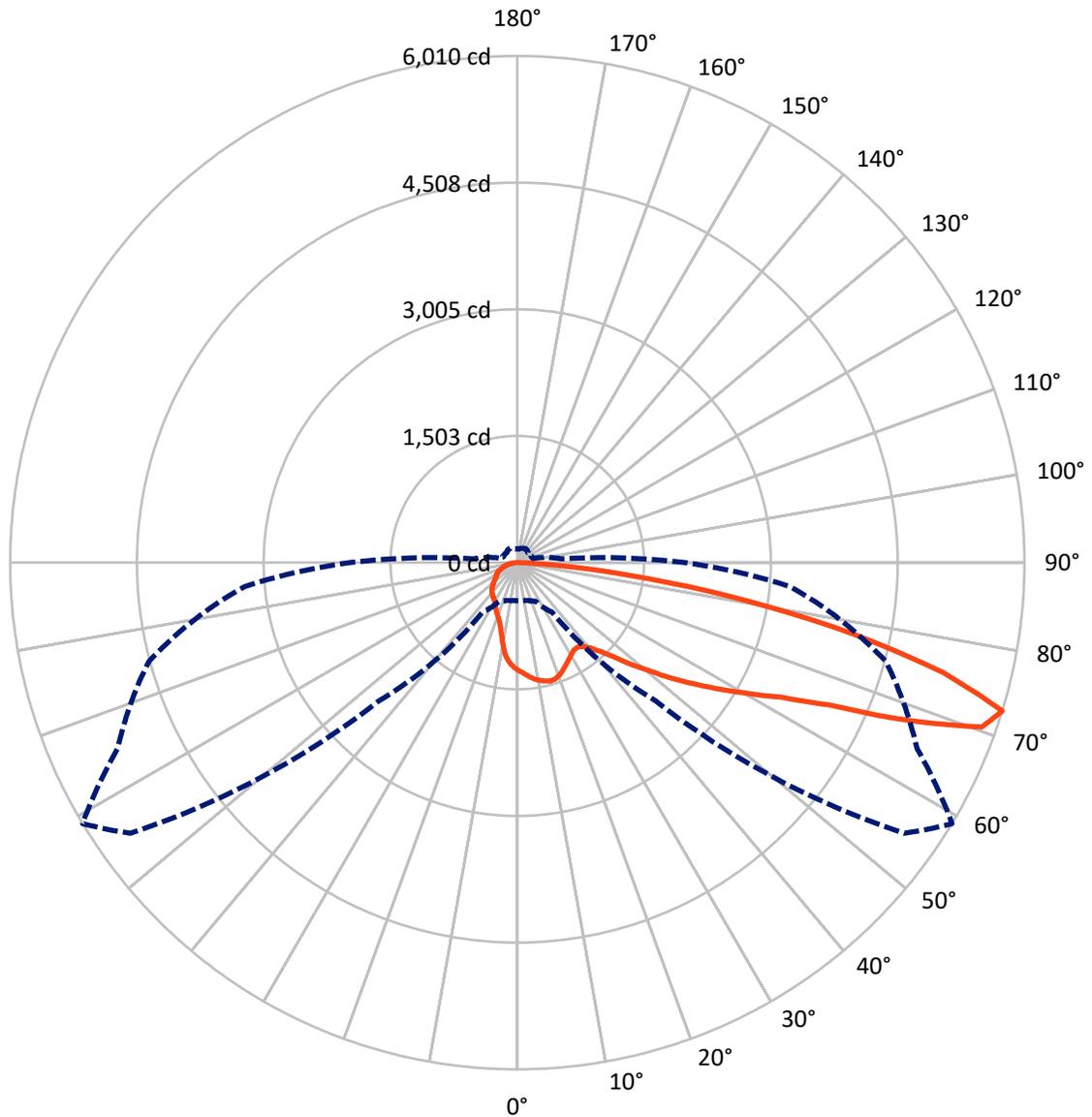


Based on 10 foot mounting height. Maximum calculated value = 13.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P1208908

CATALOG NUMBER: UPW-SA2-070-827-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P1208908

CATALOG NUMBER: UPW-SA2-070-827-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1154.5	0.0	1154.5
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	5630.5	0.0	5630.5
	% Fixture	83.0	0.0	83.0
Total	Lumens	6785.0	0.0	6785.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.8	1.7
10°-20°	293.1	4.3
20°-30°	431.0	6.4
30°-40°	592.2	8.7
40°-50°	884.6	13.0
50°-60°	1348.1	19.9
60°-70°	1727.9	25.5
70°-80°	1194.5	17.6
80°-90°	198.7	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°	6785.0	100.0
0°-180°	6785.0	100.0



REPORT NUMBER: P1208908

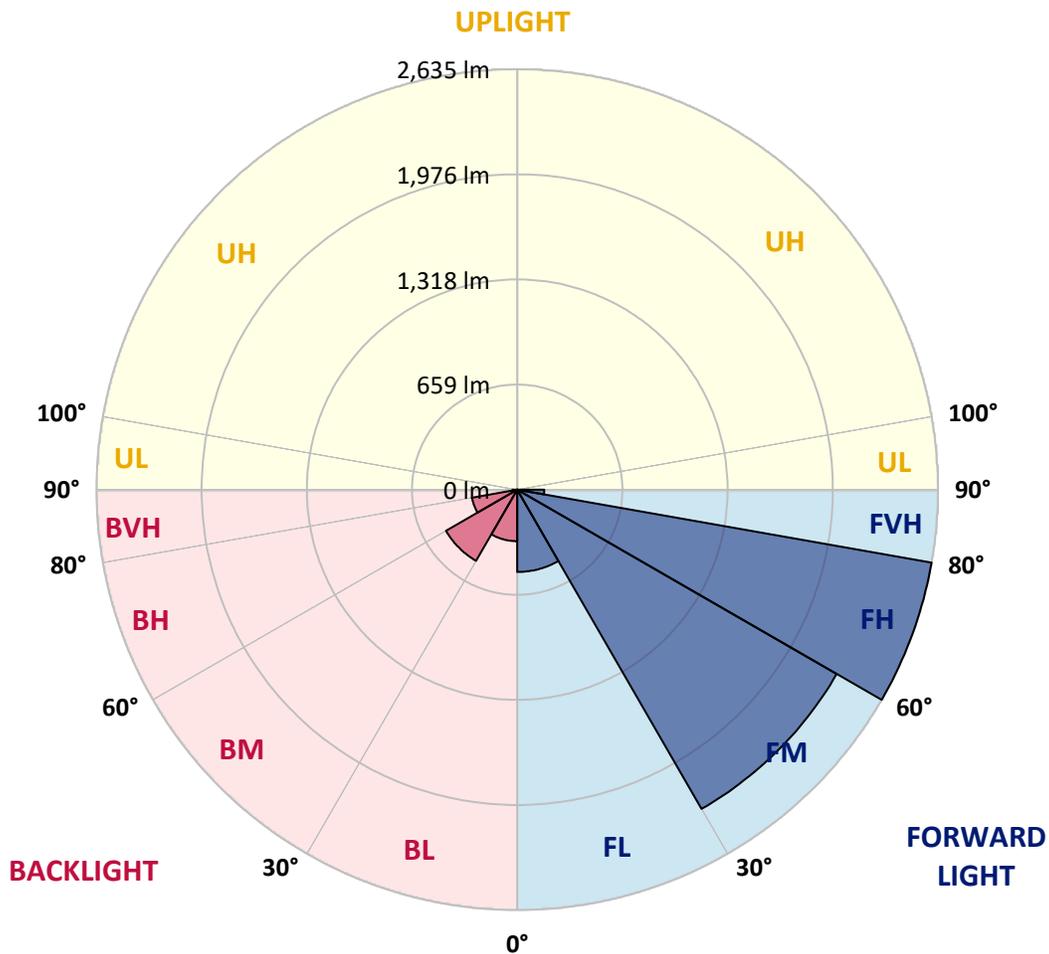
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	515.9	7.6			
FM (30°-60°)	2310.0	34.0			
FH (60°-80°)	2635.1	38.8			G2/5000
FVH (80°-90°)	169.5	2.5			G2/225
BL (0°-30°)	323.1	4.8	B1/500		
BM (30°-60°)	514.9	7.6	B1/1000		
BH (60°-80°)	287.3	4.2	B1/500		G1/500
BVH (80°-90°)	29.2	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





REPORT NUMBER: P1208908

CATALOG NUMBER: UPW-SA2-070-827-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5
2.5°	1332.0	1328.3	1330.1	1333.0	1325.4	1326.4	1317.0	1309.4	1303.8	1300.0	1291.6
5°	1364.9	1355.5	1359.3	1367.8	1359.3	1366.8	1356.5	1350.8	1341.4	1335.8	1317.0
7.5°	1337.7	1331.1	1340.5	1362.1	1372.5	1392.2	1394.1	1390.3	1386.6	1374.3	1350.8
10°	1211.6	1207.8	1232.3	1289.7	1337.7	1385.6	1417.6	1417.6	1419.5	1411.0	1382.8
12.5°	1051.7	1048.9	1080.9	1151.4	1245.5	1355.5	1431.7	1440.2	1455.2	1452.4	1416.7
15°	945.4	943.5	968.9	1025.4	1122.2	1278.4	1429.8	1458.1	1489.1	1495.7	1451.5
17.5°	890.8	890.8	908.7	952.0	1018.8	1171.2	1388.5	1450.5	1513.6	1544.6	1491.0
20°	875.8	873.9	884.2	910.6	956.7	1075.2	1326.4	1424.2	1532.4	1584.1	1516.4
22.5°	883.3	881.4	885.2	898.4	924.7	1011.2	1259.6	1384.7	1542.7	1618.9	1539.0
25°	920.0	918.1	913.4	912.5	918.1	981.1	1191.9	1340.5	1553.1	1668.8	1566.2
27.5°	991.5	985.8	969.9	954.8	939.7	974.6	1148.6	1301.0	1566.2	1710.2	1583.2
30°	1083.7	1081.8	1062.0	1033.8	984.0	989.6	1121.3	1264.3	1566.2	1742.2	1582.2
32.5°	1151.4	1152.3	1148.6	1131.6	1061.1	1023.5	1111.0	1234.2	1563.4	1786.4	1586.0
35°	1222.9	1222.9	1213.5	1213.5	1167.4	1089.3	1126.0	1231.4	1579.4	1859.7	1613.3
37.5°	1344.2	1342.4	1322.6	1302.9	1269.0	1195.6	1170.2	1258.6	1623.6	1977.3	1650.0
40°	1504.2	1507.9	1467.5	1412.9	1373.4	1318.8	1253.0	1328.3	1692.3	2117.5	1697.0
42.5°	1697.0	1707.4	1644.3	1569.1	1500.4	1428.9	1368.7	1439.3	1813.6	2316.9	1777.9
45°	1934.1	1923.7	1844.7	1744.0	1653.7	1532.4	1495.7	1583.2	1971.7	2586.9	1902.1
47.5°	2140.1	2145.7	2048.8	1938.8	1826.8	1658.4	1656.6	1793.9	2180.5	2863.5	2045.1
50°	2340.4	2357.4	2250.1	2134.4	2015.0	1799.5	1859.7	2002.7	2404.4	3145.7	2221.9
52.5°	2497.5	2508.8	2409.1	2309.4	2190.9	1985.8	2099.6	2270.8	2631.1	3415.6	2425.1
55°	2621.7	2637.7	2525.7	2443.0	2352.7	2189.0	2374.3	2535.2	2866.3	3666.8	2633.0
57.5°	2790.1	2799.5	2658.4	2586.0	2501.3	2420.4	2676.3	2832.4	3118.4	3880.3	2848.4
60°	2919.0	2924.6	2778.8	2756.2	2754.3	2739.3	3012.1	3151.3	3355.4	4079.8	3068.5
62.5°	2807.0	2807.0	2706.4	2769.4	2998.0	3263.2	3477.7	3519.1	3600.0	4273.5	3280.2
65°	2223.8	2246.4	2257.7	2469.3	2980.1	3799.4	4250.0	4067.5	3905.7	4451.3	3453.3
67.5°	1167.4	1212.5	1317.0	1682.0	2457.1	3995.1	5239.6	4997.9	4339.4	4570.8	3521.0
70°	594.5	607.7	662.2	866.4	1546.5	3480.5	5827.6	5841.7	4856.8	4622.5	3472.1
72.5°	451.5	451.5	463.8	504.2	714.9	2321.6	5597.1	6010.1	5227.4	4518.1	3241.6
75°	376.3	381.0	405.4	411.1	361.2	1205.0	4539.8	5214.2	4833.3	4135.3	2831.5
77.5°	302.0	304.8	343.4	365.9	243.6	515.5	3310.3	4069.4	3727.0	3342.3	1994.3
80°	227.6	232.4	267.2	313.2	180.6	247.4	2230.4	2783.5	2332.0	2048.8	920.9
82.5°	152.4	154.3	182.5	247.4	133.6	137.3	1314.1	1559.7	1133.5	767.6	241.8
85°	93.1	95.0	113.8	159.9	88.4	73.4	583.2	603.0	358.4	182.5	86.5
87.5°	42.3	47.0	59.3	77.1	44.2	30.1	97.8	96.0	70.6	65.8	36.7
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: P1208908

CATALOG NUMBER: UPW-SA2-070-827-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5
2.5°	1279.3	1269.0	1258.6	1244.5	1232.3	1211.6	1197.5	1183.4	1175.9	1174.0	1171.2
5°	1301.9	1284.0	1253.9	1214.4	1171.2	1122.2	1076.1	1035.7	1008.4	1000.0	1003.7
7.5°	1328.3	1302.9	1243.6	1167.4	1079.9	984.0	903.1	850.4	817.5	798.6	802.4
10°	1351.8	1315.1	1221.0	1093.1	943.5	823.1	759.1	722.4	705.5	703.6	702.7
12.5°	1375.3	1327.3	1186.2	986.8	821.2	726.2	694.2	683.9	682.0	683.9	682.9
15°	1402.6	1333.9	1126.9	876.7	734.7	685.8	675.4	672.6	673.5	678.2	677.3
17.5°	1425.1	1331.1	1034.8	777.0	688.6	666.0	656.6	651.9	656.6	665.1	665.1
20°	1432.7	1303.8	928.5	707.4	663.2	644.4	631.2	623.7	629.3	639.7	641.5
22.5°	1427.0	1252.1	819.3	658.5	636.8	619.0	604.9	597.3	600.2	607.7	608.6
25°	1418.6	1184.3	723.4	620.9	603.0	588.9	585.1	575.7	571.0	575.7	576.6
27.5°	1393.2	1095.0	644.4	582.3	565.4	567.2	565.4	556.9	550.3	549.4	551.2
30°	1336.7	970.8	585.1	542.8	537.1	547.5	547.5	535.3	523.0	521.1	524.0
32.5°	1269.0	843.8	536.2	509.9	521.1	526.8	526.8	516.4	504.2	496.7	500.4
35°	1202.2	723.4	498.6	487.3	508.9	513.6	508.9	505.1	485.4	466.6	471.3
37.5°	1125.1	619.9	465.6	470.3	494.8	496.7	496.7	483.5	457.2	441.2	444.9
40°	1041.3	541.8	438.4	455.3	479.8	479.8	472.2	463.8	450.6	434.6	436.5
42.5°	987.7	489.2	417.7	439.3	456.2	461.9	444.9	451.5	440.2	423.3	425.2
45°	980.2	456.2	400.7	414.8	429.9	428.0	429.0	433.7	423.3	400.7	399.8
47.5°	1026.3	445.9	384.7	387.6	400.7	407.3	413.0	414.8	399.8	375.3	371.6
50°	1128.8	463.8	368.8	363.1	374.4	389.4	395.1	397.9	380.0	354.6	350.9
52.5°	1286.9	519.3	354.6	342.4	341.5	367.8	383.8	391.3	363.1	335.8	333.9
55°	1461.8	594.5	335.8	324.5	314.2	350.9	374.4	382.9	347.1	311.4	308.5
57.5°	1648.1	683.9	314.2	306.7	294.4	334.9	357.5	364.0	322.7	282.2	280.3
60°	1842.8	763.8	293.5	286.9	280.3	313.2	336.8	338.6	300.1	259.6	257.7
62.5°	2018.7	818.4	273.7	266.2	266.2	287.9	312.3	310.4	276.6	238.9	237.1
65°	2148.5	811.8	255.9	246.5	250.2	260.6	282.2	275.6	251.2	219.2	217.3
67.5°	2201.2	742.2	238.9	228.6	229.5	232.4	250.2	245.5	225.8	199.4	198.5
70°	2146.7	617.1	217.3	204.1	202.2	203.2	221.1	212.6	198.5	181.6	180.6
72.5°	1983.9	517.4	192.8	181.6	177.8	175.0	190.0	186.3	175.9	161.8	162.7
75°	1739.3	446.8	166.5	159.0	152.4	149.6	161.8	159.9	152.4	143.0	143.0
77.5°	1215.4	326.4	137.3	134.5	130.8	125.1	134.5	135.5	130.8	127.9	127.0
80°	526.8	182.5	108.2	110.1	105.4	101.6	109.1	110.1	113.8	110.1	111.0
82.5°	152.4	90.3	78.1	83.7	81.8	78.1	81.8	90.3	84.7	74.3	76.2
85°	56.4	43.3	48.9	52.7	49.9	39.5	51.7	59.3	53.6	49.9	50.8
87.5°	21.6	16.0	20.7	17.9	14.1	10.3	17.9	19.8	26.3	10.3	8.5
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)