

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: P1208518

Luminaire Tested: UPW-SA1-070-727-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-727-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7085 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - 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

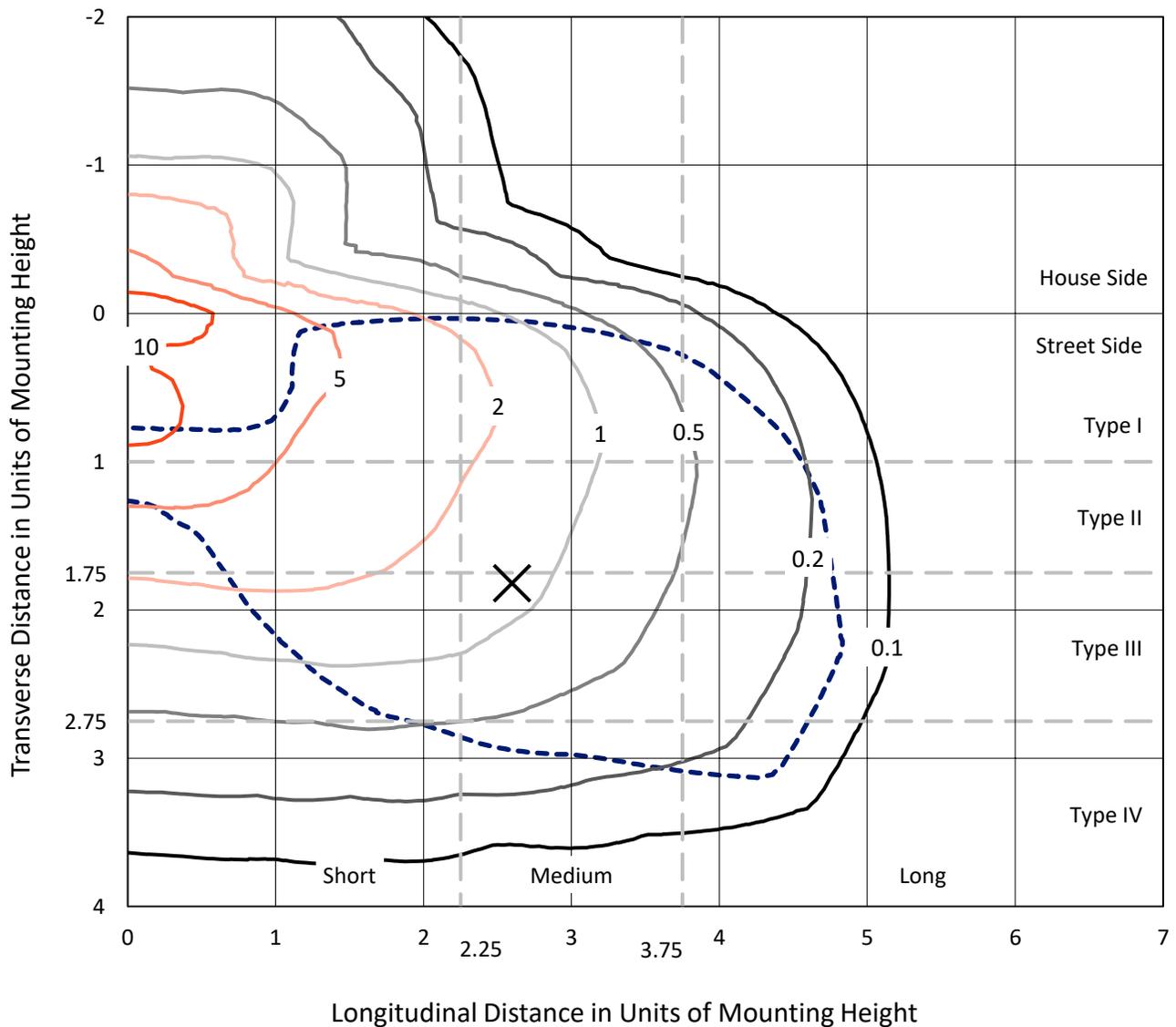


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Iso-Footcandle Lines of Horizontal Illumination

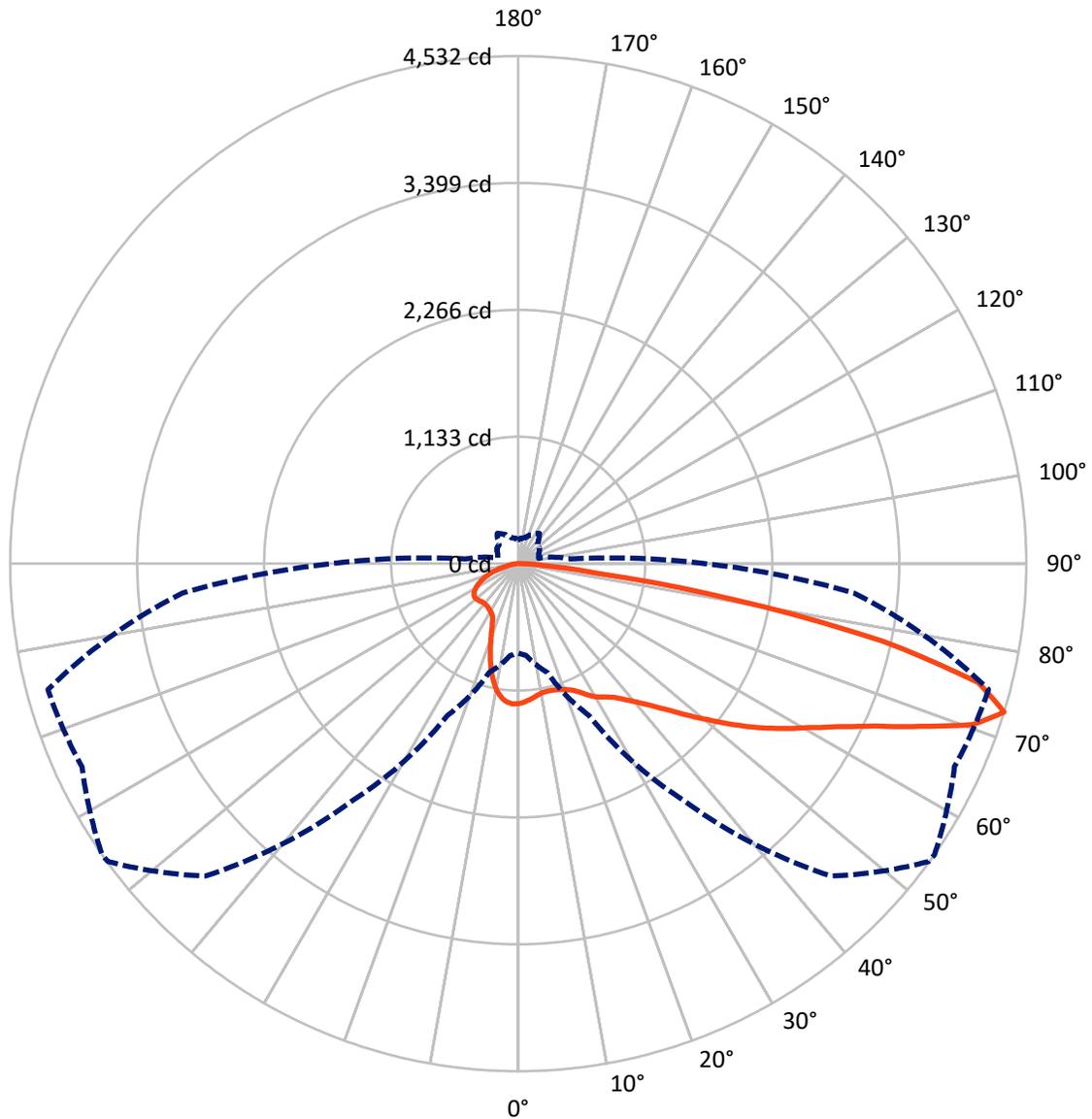
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1316.9	0.0	1316.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	5768.1	0.0	5768.1
	% Fixture	81.4	0.0	81.4
Total	Lumens	7085.0	0.0	7085.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	1.6
10°-20°	301.1	4.2
20°-30°	496.4	7.0
30°-40°	734.2	10.4
40°-50°	1024.9	14.5
50°-60°	1334.4	18.8
60°-70°	1639.9	23.1
70°-80°	1285.5	18.1
80°-90°	155.6	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°	7085.0	100.0
0°-180°	7085.0	100.0



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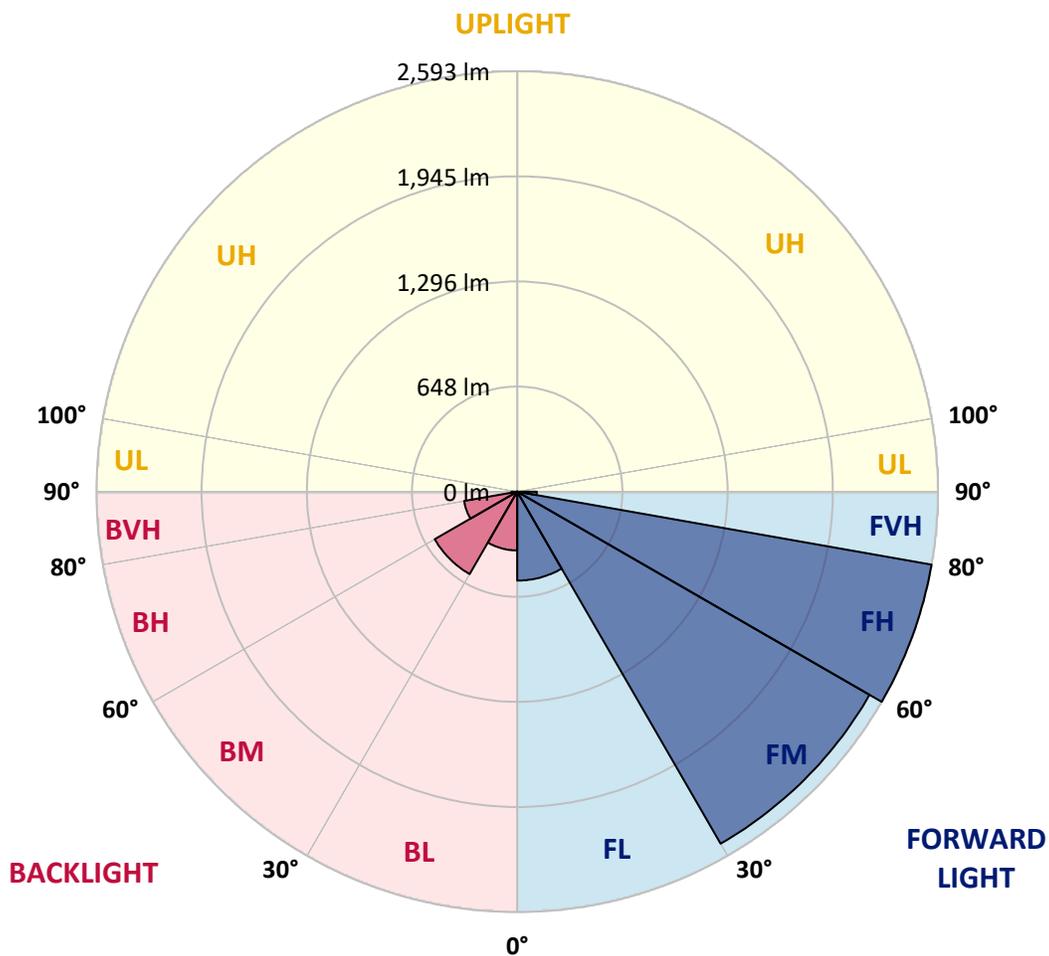
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	548.2	7.7			
FM	(30°-60°)	2506.8	35.4			
FH	(60°-80°)	2592.9	36.6			G2/5000
FVH	(80°-90°)	120.3	1.7			G2/225
BL	(0°-30°)	362.3	5.1	B1/500		
BM	(30°-60°)	586.7	8.3	B1/1000		
BH	(60°-80°)	332.6	4.7	B1/500		G1/500
BVH	(80°-90°)	35.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1249.6	1249.6	1249.6	1249.6	1249.6	1249.6	1249.6	1249.6	1249.6	1249.6	1249.6
2.5°	1209.0	1206.1	1209.7	1214.7	1220.2	1227.6	1231.9	1233.8	1241.3	1244.1	1250.4
5°	1153.0	1151.5	1157.5	1166.1	1178.3	1195.6	1209.4	1212.1	1231.7	1245.6	1258.3
7.5°	1112.3	1112.3	1119.2	1129.5	1143.2	1166.4	1186.0	1189.6	1222.8	1252.8	1276.2
10°	1080.0	1081.2	1089.3	1101.5	1117.5	1142.2	1168.3	1172.3	1220.4	1269.5	1306.8
12.5°	1058.4	1061.3	1068.7	1079.7	1099.6	1129.5	1162.5	1168.0	1225.5	1293.4	1343.7
15°	1072.1	1076.9	1077.6	1082.1	1093.1	1125.7	1165.9	1171.6	1236.2	1317.8	1385.6
17.5°	1131.9	1133.6	1126.2	1116.6	1111.3	1132.1	1175.9	1181.9	1249.2	1342.0	1425.8
20°	1222.8	1221.9	1205.8	1180.0	1153.2	1156.6	1192.4	1198.7	1266.6	1363.3	1466.0
22.5°	1337.7	1334.4	1309.7	1262.1	1216.4	1197.2	1221.4	1226.7	1293.0	1393.7	1509.0
25°	1477.0	1469.6	1437.0	1373.1	1305.9	1256.6	1265.0	1270.0	1331.2	1427.7	1548.5
27.5°	1623.9	1616.5	1575.1	1497.8	1408.3	1331.5	1325.0	1329.3	1374.8	1452.8	1577.7
30°	1777.5	1769.6	1731.8	1645.2	1516.9	1409.0	1381.0	1382.7	1405.4	1466.5	1601.7
32.5°	1931.9	1924.5	1882.1	1781.6	1634.9	1492.3	1421.5	1419.3	1423.9	1480.6	1628.7
35°	2088.4	2091.3	2041.7	1930.5	1765.6	1584.9	1469.3	1464.8	1454.7	1509.5	1667.0
37.5°	2255.9	2254.0	2189.9	2073.6	1902.2	1685.4	1538.0	1537.3	1502.6	1564.3	1727.1
40°	2367.9	2369.1	2330.1	2220.0	2040.3	1796.7	1626.1	1624.4	1578.9	1646.4	1805.8
42.5°	2411.7	2419.6	2429.6	2359.8	2184.8	1925.7	1731.1	1728.7	1685.4	1764.1	1898.4
45°	2414.8	2430.6	2492.8	2484.0	2331.3	2073.3	1865.4	1858.7	1827.6	1920.6	2009.0
47.5°	2388.0	2404.3	2507.7	2557.9	2462.2	2229.1	2022.4	2017.1	1990.3	2116.4	2128.6
50°	2329.4	2344.9	2477.0	2594.0	2569.9	2378.9	2203.3	2189.4	2175.0	2342.5	2265.5
52.5°	2219.5	2249.5	2436.1	2602.7	2634.3	2512.0	2393.5	2384.4	2392.3	2581.1	2402.6
55°	1959.4	1992.9	2330.6	2595.5	2681.9	2623.7	2583.8	2583.3	2624.2	2831.4	2549.8
57.5°	1813.7	1837.4	2115.7	2583.3	2738.3	2734.8	2772.1	2776.6	2856.3	3104.0	2703.9
60°	1731.4	1756.2	2006.8	2538.1	2825.9	2878.3	2964.2	2973.3	3092.3	3405.8	2889.3
62.5°	1656.5	1683.7	1939.3	2445.9	2929.1	3083.7	3194.5	3202.6	3342.1	3715.9	3068.6
65°	1528.4	1559.3	1840.5	2385.4	3022.9	3351.4	3487.1	3492.6	3629.0	4040.9	3205.7
67.5°	1347.5	1375.8	1654.1	2251.6	3092.3	3676.7	3876.2	3879.3	3913.6	4270.4	3275.8
70°	1136.2	1147.0	1388.4	1975.4	3010.2	3980.8	4302.7	4303.4	4173.0	4417.3	3264.3
72.5°	798.3	823.7	1007.9	1495.4	2586.9	3943.7	4524.0	4532.2	4293.6	4343.1	3003.5
75°	489.6	516.4	632.2	906.2	1641.1	3101.6	4179.9	4236.4	4067.4	3872.4	2453.6
77.5°	327.4	337.4	412.6	528.4	743.5	1784.5	3213.6	3319.9	3379.0	2824.0	1569.1
80°	182.6	201.7	273.5	328.3	330.7	709.1	1926.9	1951.8	1880.0	1124.5	484.1
82.5°	96.7	107.2	182.6	192.9	180.4	237.4	718.1	718.9	600.7	301.5	143.8
85°	74.9	83.8	125.2	117.7	92.1	105.3	236.9	249.8	204.4	123.5	46.9
87.5°	37.3	46.4	85.0	74.7	36.1	30.2	84.7	90.5	80.6	48.3	17.0
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°	1249.6	1249.6	1249.6	1249.6	1249.6	1249.6	1249.6	1249.6	1249.6	1249.6	1249.6
2.5°	1252.8	1254.9	1257.5	1254.7	1253.7	1249.9	1243.4	1242.0	1238.6	1238.9	1240.8
5°	1263.8	1267.3	1265.9	1254.9	1241.7	1223.3	1204.2	1187.9	1177.1	1176.4	1175.7
7.5°	1284.8	1287.2	1276.0	1244.6	1207.8	1165.2	1125.0	1089.8	1068.5	1063.2	1062.0
10°	1317.8	1317.4	1286.5	1223.3	1149.9	1073.8	1009.1	960.3	931.8	923.5	921.3
12.5°	1354.7	1349.2	1290.1	1184.6	1068.0	962.5	880.6	826.3	796.6	787.1	784.7
15°	1392.7	1379.1	1281.2	1126.6	967.5	842.6	756.7	706.4	690.4	685.1	684.2
17.5°	1428.2	1401.8	1255.9	1048.1	852.9	723.2	656.2	636.1	639.9	646.8	647.1
20°	1462.9	1417.2	1215.2	949.1	732.0	624.8	602.1	616.9	635.1	649.2	651.1
22.5°	1497.1	1427.9	1162.8	834.7	623.9	569.5	585.6	612.6	633.4	648.8	651.4
25°	1525.8	1430.6	1090.5	712.6	548.7	548.7	577.7	603.3	623.9	638.9	641.6
27.5°	1536.3	1412.8	988.6	599.7	510.9	539.2	566.7	588.0	605.4	621.5	624.3
30°	1540.4	1380.1	870.8	509.0	495.4	528.9	551.8	570.0	586.5	601.6	604.2
32.5°	1541.1	1340.6	745.9	457.5	484.6	518.1	533.4	549.4	567.1	573.1	574.1
35°	1545.7	1293.9	614.3	431.2	474.5	508.0	520.2	531.7	503.0	505.2	507.1
37.5°	1558.8	1247.7	504.2	416.4	468.1	502.8	517.4	475.7	453.2	448.0	447.3
40°	1583.5	1198.4	422.6	404.4	465.7	505.4	498.9	444.1	405.4	376.4	372.1
42.5°	1617.7	1145.3	370.4	396.5	467.4	518.1	473.3	413.8	349.4	330.7	328.3
45°	1656.2	1089.5	342.2	391.0	473.1	527.9	468.1	373.3	323.3	309.2	308.0
47.5°	1693.5	1021.3	327.6	388.6	481.0	520.0	445.8	360.9	310.9	303.4	304.2
50°	1736.4	959.8	318.8	386.0	487.9	515.0	420.7	354.4	306.1	315.2	324.7
52.5°	1772.5	896.2	310.9	380.7	490.6	506.1	414.2	355.6	306.1	323.5	332.6
55°	1815.4	848.1	301.8	369.7	485.5	481.0	409.7	362.8	309.7	298.7	299.6
57.5°	1870.6	832.3	291.7	352.5	468.8	444.4	407.5	369.7	307.5	300.6	303.0
60°	1947.2	849.0	287.6	330.0	442.7	415.7	407.8	366.1	292.4	280.5	280.7
62.5°	2020.2	867.7	287.4	315.9	410.6	390.1	402.3	354.4	284.8	277.8	280.5
65°	2044.1	848.8	275.9	300.1	374.5	359.4	392.2	342.0	279.0	268.5	268.0
67.5°	2012.1	790.2	252.7	274.5	333.1	323.8	379.1	327.1	269.9	261.3	259.9
70°	1916.8	659.3	224.0	240.7	286.0	283.6	358.2	309.9	257.7	250.3	244.1
72.5°	1660.5	469.8	188.8	200.3	232.8	240.5	329.5	287.4	240.5	224.5	214.9
75°	1363.8	347.7	155.1	157.5	176.8	197.7	290.0	261.1	220.2	192.9	185.5
77.5°	835.2	212.7	123.5	124.4	126.8	157.7	238.8	231.6	194.3	160.8	155.5
80°	270.4	116.1	89.3	93.8	86.6	115.6	184.7	197.2	166.8	134.5	128.7
82.5°	102.9	67.7	60.3	63.4	60.1	77.5	134.7	157.9	136.6	110.6	90.0
85°	49.8	38.3	35.7	40.0	37.1	39.7	86.1	116.3	103.6	72.0	67.0
87.5°	17.7	17.0	13.6	18.4	15.8	14.1	26.3	58.6	68.4	49.5	44.3
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)