

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: P1208420

Luminaire Tested: UPW-SA1-060-827-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-827-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5326 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 58
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

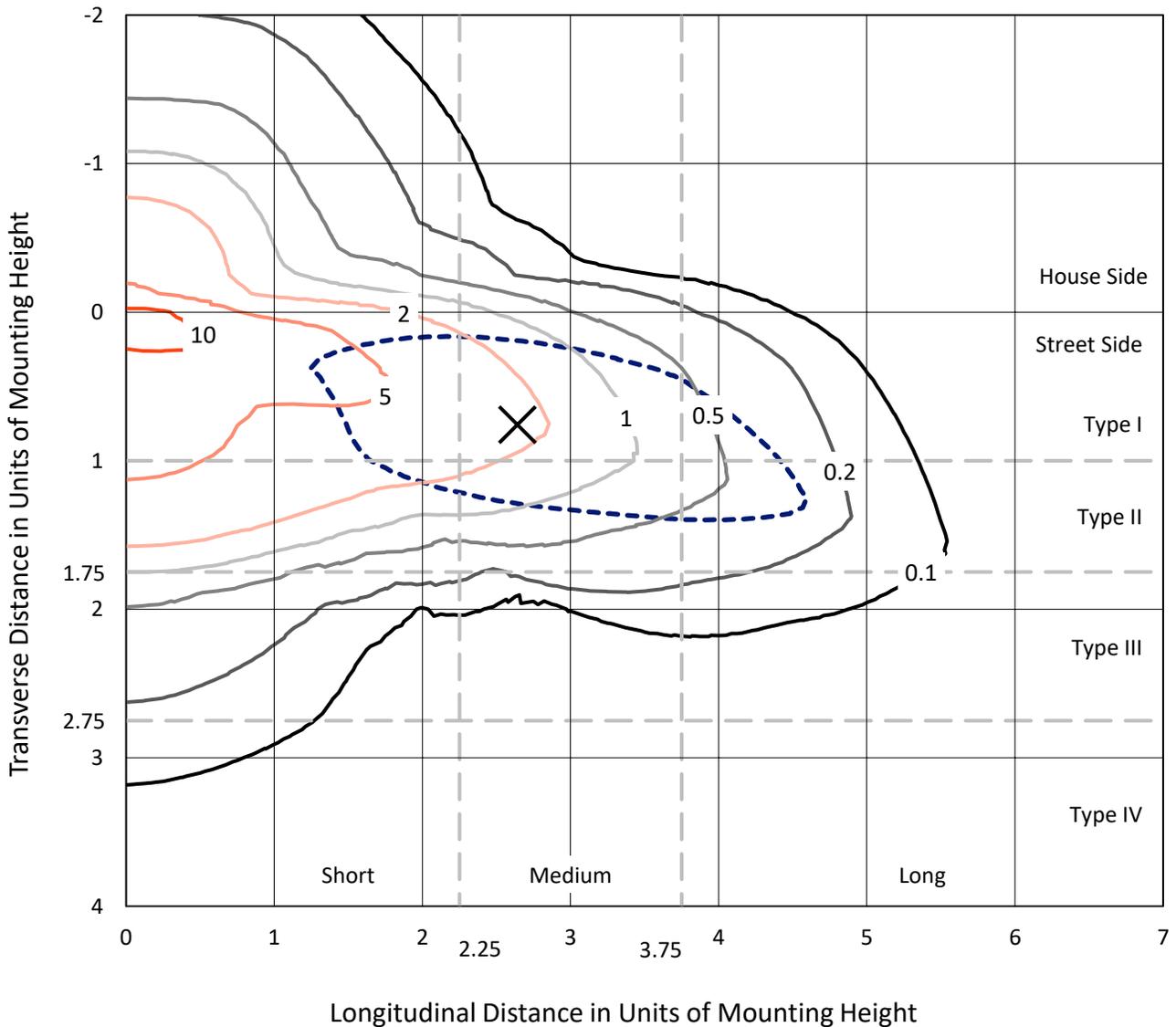


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

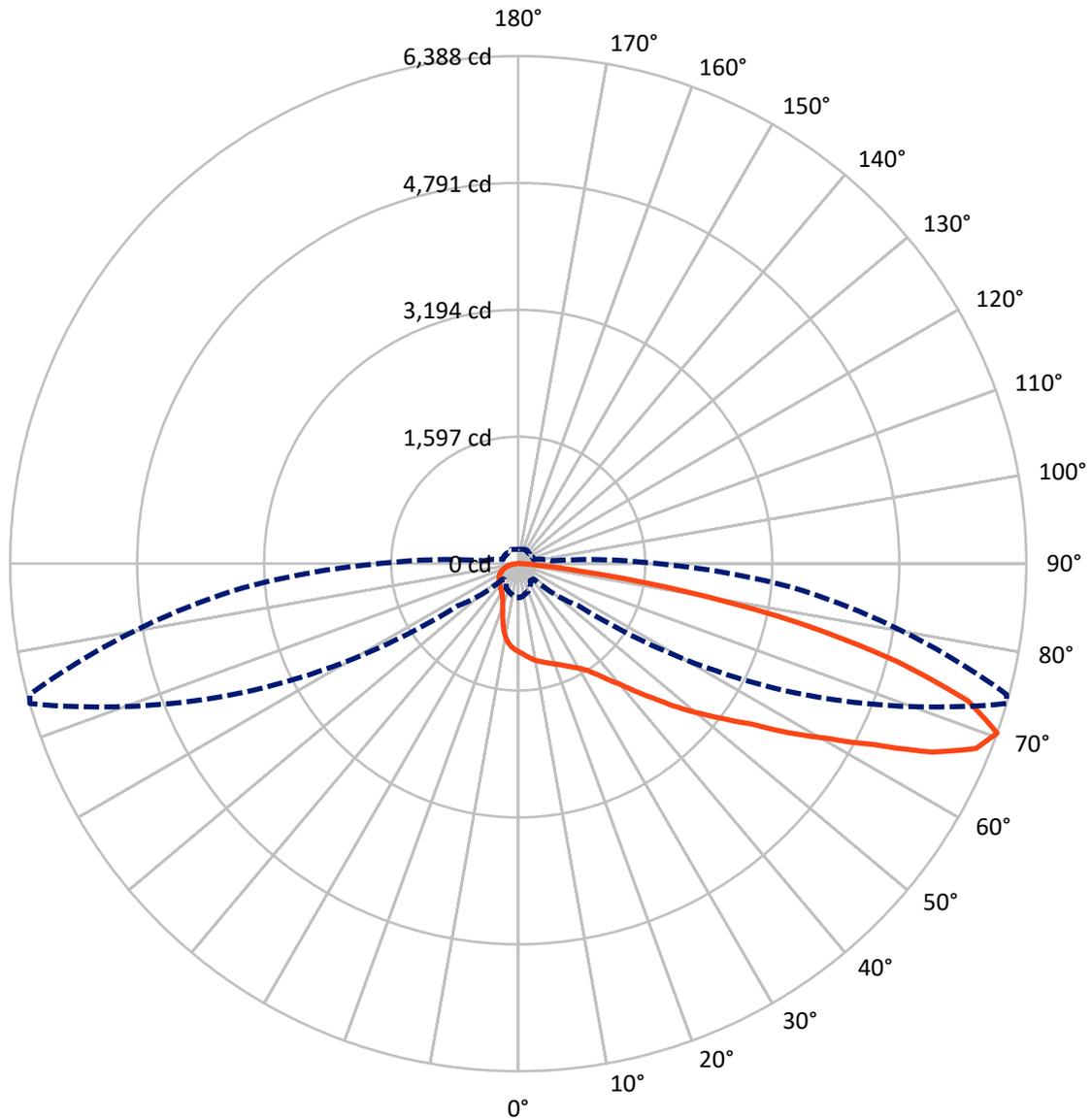


Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	974.9	0.0	974.9
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	4351.2	0.0	4351.2
	% Fixture	81.7	0.0	81.7
Total	Lumens	5326.0	0.0	5326.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	1.8
10°-20°	256.2	4.8
20°-30°	405.7	7.6
30°-40°	604.6	11.4
40°-50°	833.7	15.7
50°-60°	1118.1	21.0
60°-70°	1160.4	21.8
70°-80°	734.3	13.8
80°-90°	115.6	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°	5326.0	100.0
0°-180°	5326.0	100.0



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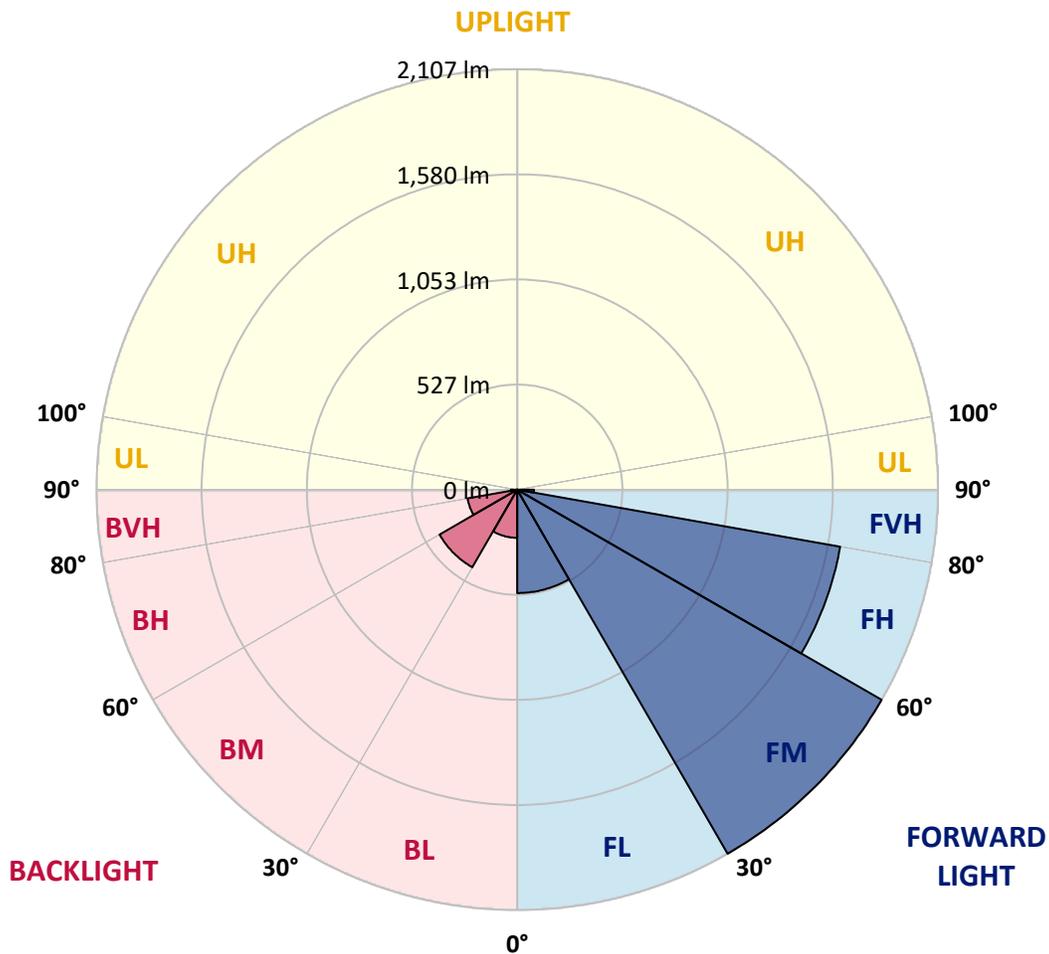
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	518.1	9.7			
FM (30°-60°)	2106.9	39.6			
FH (60°-80°)	1642.2	30.8			G1/1800
FVH (80°-90°)	84.0	1.6			G1/100
BL (0°-30°)	241.3	4.5	B1/500		
BM (30°-60°)	449.5	8.4	B1/1000		
BH (60°-80°)	252.5	4.7	B1/500		G1/500
BVH (80°-90°)	31.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1
2.5°	1185.9	1184.2	1180.0	1180.0	1178.2	1174.0	1162.1	1149.6	1137.7	1136.5	1121.0
5°	1234.8	1231.8	1231.2	1231.2	1228.9	1224.7	1208.6	1191.3	1174.0	1170.4	1142.4
7.5°	1258.1	1255.7	1256.3	1259.2	1264.0	1260.4	1246.1	1231.2	1208.0	1205.0	1163.3
10°	1245.5	1247.3	1254.5	1271.2	1283.1	1289.6	1277.7	1264.0	1240.2	1236.6	1180.0
12.5°	1166.3	1171.6	1194.3	1237.2	1282.5	1307.5	1306.9	1292.6	1264.0	1261.0	1193.1
15°	1046.5	1039.9	1081.7	1150.2	1232.4	1303.3	1326.6	1320.0	1291.4	1287.3	1208.6
17.5°	987.5	988.1	1006.6	1048.9	1139.5	1269.4	1337.3	1347.4	1320.6	1315.3	1225.9
20°	1011.3	1010.7	1012.5	1026.8	1070.3	1200.2	1337.9	1377.2	1349.2	1345.7	1241.4
22.5°	1079.3	1076.9	1071.5	1059.6	1060.8	1138.9	1329.6	1410.0	1385.6	1378.4	1252.1
25°	1174.0	1168.1	1150.8	1124.0	1095.4	1120.4	1308.1	1448.2	1427.3	1419.6	1263.4
27.5°	1281.9	1280.7	1262.2	1211.0	1156.7	1143.6	1283.7	1489.9	1476.8	1466.0	1275.9
30°	1393.3	1386.8	1369.5	1314.7	1246.1	1194.3	1276.5	1535.8	1529.2	1515.5	1286.1
32.5°	1454.1	1451.1	1439.8	1406.4	1346.9	1267.6	1297.4	1582.8	1604.3	1594.2	1308.1
35°	1502.4	1497.0	1485.1	1471.4	1441.0	1364.1	1345.7	1639.5	1716.3	1698.5	1355.2
37.5°	1548.3	1542.3	1534.0	1520.9	1501.2	1456.5	1416.0	1716.9	1858.2	1845.7	1426.7
40°	1599.5	1593.0	1582.3	1573.3	1545.9	1532.2	1482.1	1790.8	2010.1	2004.2	1512.5
42.5°	1638.3	1631.1	1625.8	1619.8	1590.0	1564.4	1534.0	1861.2	2215.2	2200.3	1626.4
45°	1666.9	1662.7	1662.7	1655.6	1635.9	1565.6	1570.3	1955.3	2435.7	2430.9	1783.7
47.5°	1697.9	1692.5	1695.5	1688.9	1683.0	1566.8	1615.0	2081.1	2700.9	2696.7	1959.5
50°	1734.8	1729.5	1741.4	1731.8	1734.2	1602.5	1678.8	2238.4	2963.1	2952.9	2146.6
52.5°	1739.6	1738.4	1768.2	1789.6	1806.9	1684.2	1786.7	2426.1	3249.7	3249.7	2364.7
55°	1643.0	1640.7	1698.5	1789.6	1886.8	1840.9	1986.9	2719.9	3566.8	3575.1	2559.0
57.5°	1334.3	1345.7	1443.4	1622.8	1882.6	2064.4	2283.1	3077.5	4013.7	3986.3	2749.7
60°	848.6	865.3	943.4	1190.1	1601.3	2101.9	2601.9	3531.6	4467.3	4414.8	3001.8
62.5°	560.8	546.5	547.7	663.9	1030.4	1766.4	2664.5	4069.8	5014.3	4976.2	3225.9
65°	498.8	488.7	438.0	407.6	500.6	1103.1	2265.8	4457.7	5717.6	5610.9	3397.5
67.5°	473.2	463.1	416.0	368.9	315.3	563.8	1610.3	4386.2	6208.6	6141.3	3524.5
70°	428.5	422.5	384.4	348.0	263.4	272.3	929.1	3850.4	6388.0	6355.8	3466.7
72.5°	372.5	365.3	339.7	314.7	231.2	200.8	445.8	3052.5	5916.6	5914.2	3221.7
75°	305.1	299.2	278.3	270.0	195.5	164.5	253.3	2143.6	4929.1	4902.9	2863.5
77.5°	249.7	241.4	227.1	220.5	162.1	132.3	178.2	1496.4	3637.7	3569.2	2004.2
80°	181.2	175.8	162.1	177.6	128.1	102.5	132.3	930.9	2137.7	1998.2	750.9
82.5°	110.3	99.5	112.0	135.9	94.8	73.3	97.1	519.1	766.4	673.4	224.1
85°	51.3	52.4	65.6	87.0	56.6	42.9	60.8	227.1	222.3	212.8	94.2
87.5°	8.3	8.9	25.0	38.1	23.8	14.3	24.4	50.1	84.0	86.4	40.5
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°	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1
2.5°	1111.4	1101.9	1084.6	1065.6	1044.1	1024.4	1016.1	988.7	982.1	980.3	966.6
5°	1122.8	1101.9	1056.6	1003.0	940.4	883.8	821.2	771.2	743.2	740.8	744.3
7.5°	1134.1	1101.3	1018.5	910.0	799.2	689.5	622.8	583.4	556.0	549.5	551.3
10°	1140.1	1093.0	960.1	793.2	640.1	560.2	522.1	508.3	504.2	500.6	500.6
12.5°	1141.2	1074.5	882.6	667.5	546.5	507.8	497.0	493.4	492.9	492.3	491.1
15°	1142.4	1051.3	783.7	570.3	504.2	491.7	487.5	486.9	488.1	487.5	487.5
17.5°	1141.2	1019.7	687.7	514.3	488.7	483.9	481.5	480.9	482.7	482.1	481.5
20°	1137.1	979.1	594.2	485.7	478.0	476.8	473.8	471.4	473.8	474.4	473.8
22.5°	1121.0	919.6	526.8	467.8	467.8	467.8	464.2	461.3	465.4	466.6	467.2
25°	1096.0	848.0	476.8	452.9	455.9	454.7	454.7	454.1	458.3	459.5	460.1
27.5°	1069.7	773.5	441.6	436.8	441.6	444.6	449.9	450.5	450.5	449.3	448.8
30°	1036.4	692.5	419.0	422.5	429.1	439.8	449.3	448.2	444.0	439.8	440.4
32.5°	1009.5	626.9	396.9	410.0	421.9	437.4	445.8	447.6	447.0	439.8	439.8
35°	999.4	574.5	382.0	399.3	417.2	431.5	435.0	442.8	441.6	432.7	432.1
37.5°	1006.0	532.2	368.9	388.0	410.0	417.2	424.9	426.7	411.8	402.3	399.9
40°	1020.3	501.2	357.0	373.7	398.1	404.1	414.8	398.7	386.2	378.4	379.6
42.5°	1060.2	488.1	346.2	357.6	380.2	393.9	389.8	385.0	367.7	355.2	354.0
45°	1123.4	487.5	336.7	340.9	360.0	374.3	373.7	368.3	349.8	336.7	334.9
47.5°	1209.8	499.4	326.6	325.4	340.9	349.8	358.2	349.8	330.8	315.9	314.1
50°	1312.9	530.4	317.0	309.3	320.0	333.7	337.9	331.9	314.1	299.8	298.0
52.5°	1436.8	573.3	308.7	295.0	298.0	317.0	326.6	321.2	301.0	285.5	283.1
55°	1557.2	613.8	297.4	280.1	275.3	301.6	316.5	315.9	286.1	270.0	268.8
57.5°	1680.6	652.0	284.9	267.6	259.8	284.9	305.7	308.1	270.6	253.3	253.3
60°	1805.7	678.8	269.4	254.5	250.3	266.4	289.6	290.2	256.9	243.7	244.9
62.5°	1908.2	662.7	253.9	242.0	239.0	248.5	271.8	277.1	255.7	241.4	242.6
65°	1951.7	609.1	236.6	230.0	225.3	228.8	250.3	256.9	234.2	218.1	219.9
67.5°	1923.7	531.0	219.3	216.3	209.8	208.6	222.3	226.5	209.8	199.6	198.5
70°	1757.5	423.7	198.5	198.5	192.5	187.1	194.3	197.9	184.7	178.8	180.0
72.5°	1520.9	344.5	178.2	180.6	172.2	165.1	169.3	171.0	163.3	160.3	159.1
75°	1315.9	287.8	157.9	161.5	152.6	141.2	146.0	146.0	139.5	138.9	138.3
77.5°	959.5	216.3	135.9	140.0	132.9	118.6	119.8	120.4	118.0	118.0	118.6
80°	410.6	132.3	110.8	117.4	110.3	93.0	96.5	96.5	102.5	117.4	115.0
82.5°	136.5	78.7	84.0	92.4	84.6	69.1	73.3	78.7	101.3	97.1	92.4
85°	58.4	43.5	53.6	58.4	54.2	41.7	47.7	82.2	75.1	72.7	73.3
87.5°	19.7	18.5	22.6	26.8	19.1	13.1	24.4	50.1	48.9	36.9	35.8
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)