

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: P1208042

Luminaire Tested: UPW-SA1-040-730-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208042
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-730-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 5331 lumens
Efficiency: N/A
Efficacy: 121.2 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): 44
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

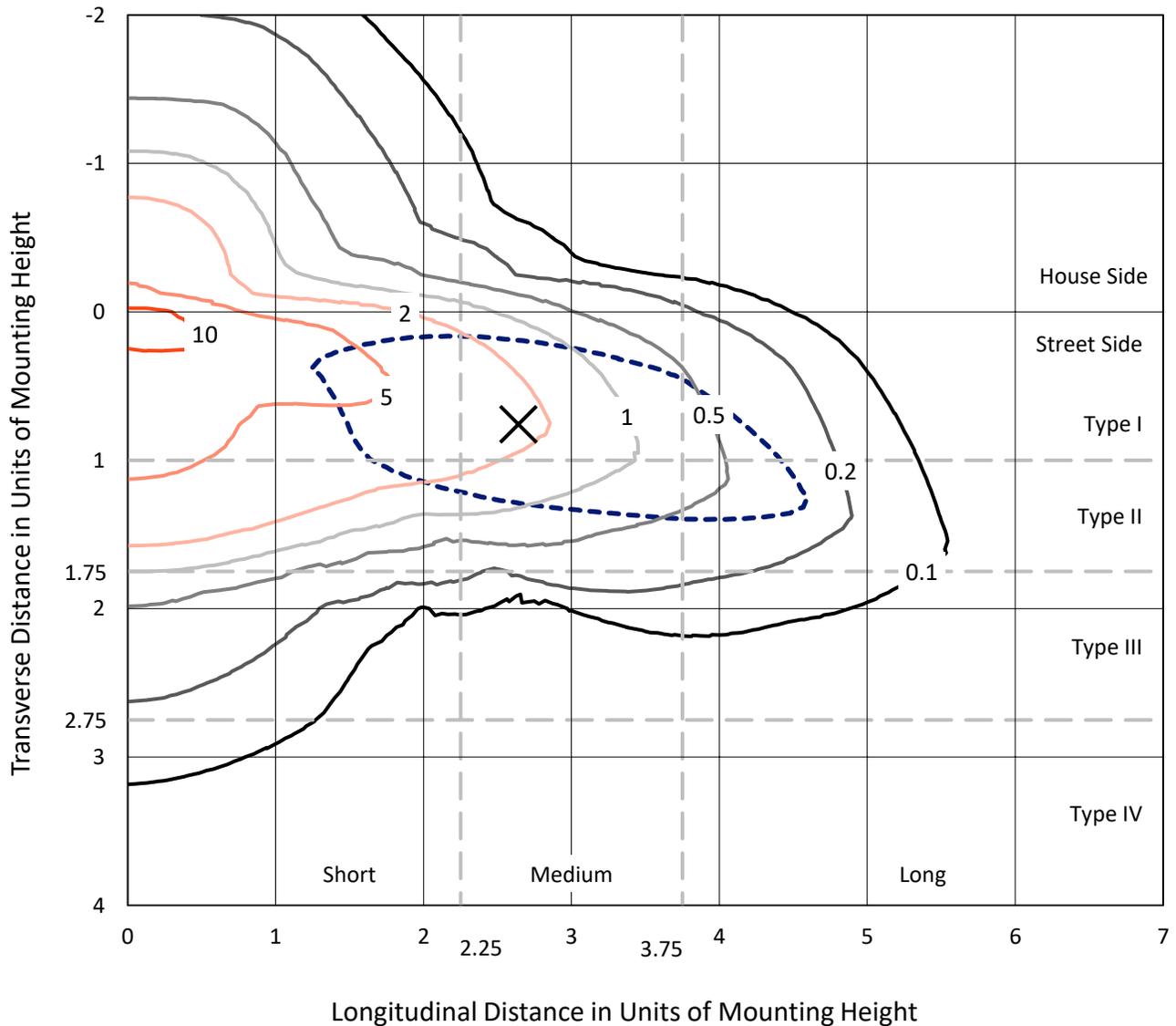


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

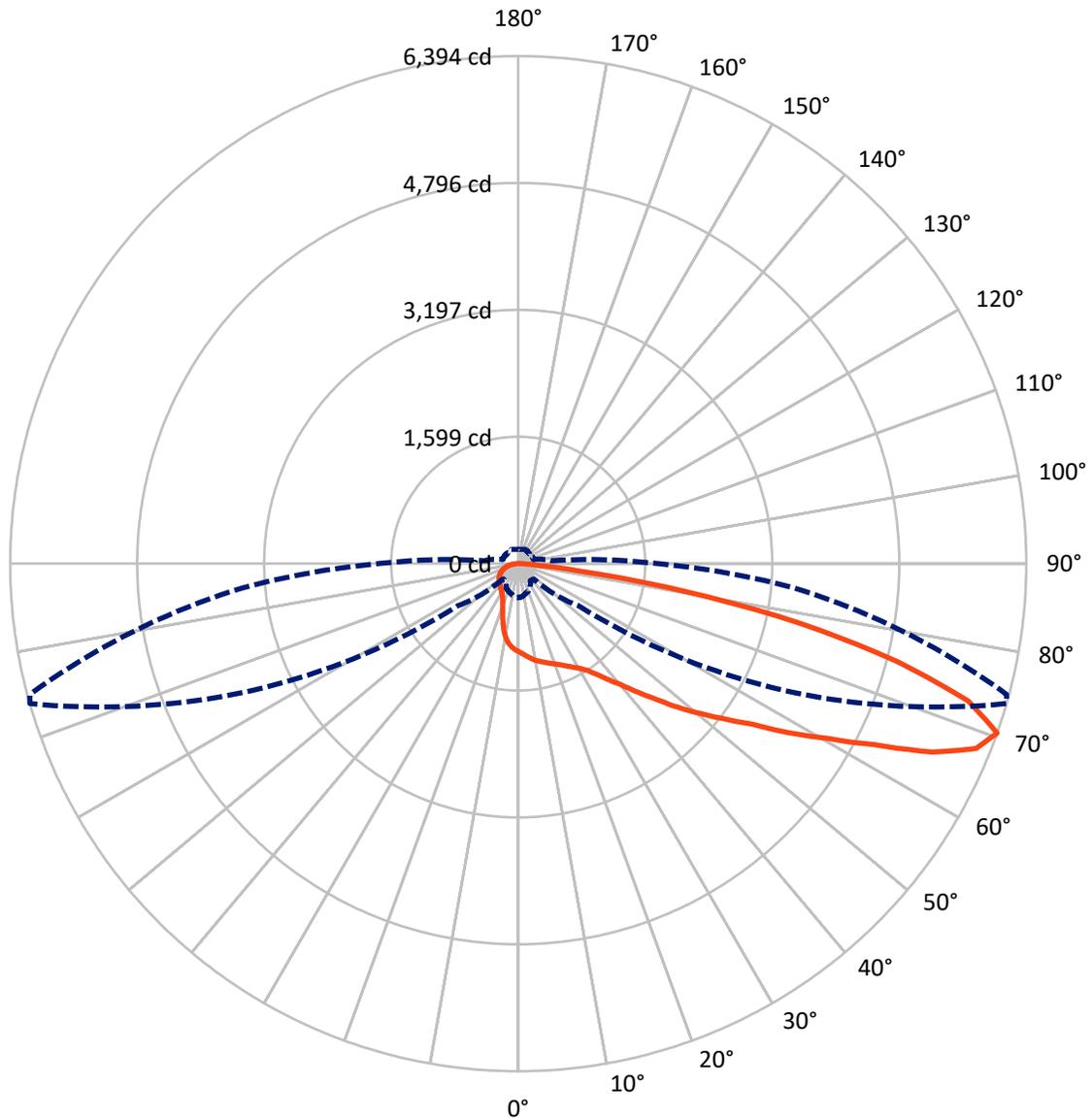


Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Medium - N/A

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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	975.8	0.0	975.8
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	4355.2	0.0	4355.2
	% Fixture	81.7	0.0	81.7
Total	Lumens	5331.0	0.0	5331.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.5	1.8
10°-20°	256.5	4.8
20°-30°	406.1	7.6
30°-40°	605.2	11.4
40°-50°	834.5	15.7
50°-60°	1119.1	21.0
60°-70°	1161.5	21.8
70°-80°	734.9	13.8
80°-90°	115.7	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°	5331.0	100.0
0°-180°	5331.0	100.0



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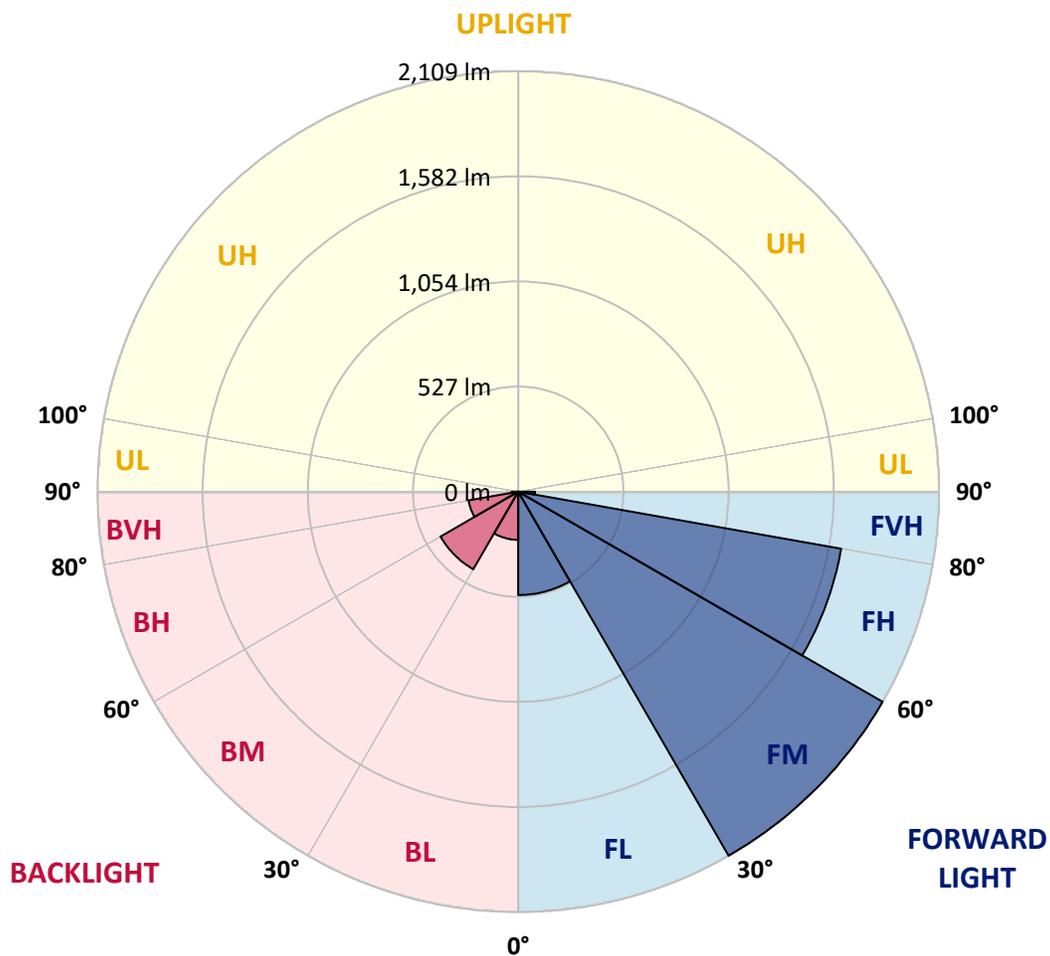
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	518.6	9.7			
FM (30°-60°)	2108.9	39.6			
FH (60°-80°)	1643.7	30.8			G1/1800
FVH (80°-90°)	84.1	1.6			G1/100
BL (0°-30°)	241.5	4.5	B1/500		
BM (30°-60°)	449.9	8.4	B1/1000		
BH (60°-80°)	252.7	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°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1187.1	1185.3	1181.1	1181.1	1179.3	1175.1	1163.2	1150.7	1138.7	1137.5	1122.0
5°	1236.0	1233.0	1232.4	1232.4	1230.0	1225.8	1209.7	1192.4	1175.1	1171.5	1143.5
7.5°	1259.2	1256.8	1257.4	1260.4	1265.2	1261.6	1247.3	1232.4	1209.1	1206.1	1164.4
10°	1246.7	1248.5	1255.7	1272.4	1284.3	1290.8	1278.9	1265.2	1241.3	1237.8	1181.1
12.5°	1167.4	1172.7	1195.4	1238.4	1283.7	1308.7	1308.1	1293.8	1265.2	1262.2	1194.2
15°	1047.5	1040.9	1082.7	1151.3	1233.6	1304.6	1327.8	1321.3	1292.6	1288.5	1209.7
17.5°	988.4	989.0	1007.5	1049.9	1140.5	1270.6	1338.6	1348.7	1321.9	1316.5	1227.0
20°	1012.3	1011.7	1013.5	1027.8	1071.3	1201.4	1339.2	1378.5	1350.5	1346.9	1242.5
22.5°	1080.3	1077.9	1072.5	1060.6	1061.8	1139.9	1330.8	1411.3	1386.9	1379.7	1253.3
25°	1175.1	1169.2	1151.9	1125.0	1096.4	1121.4	1309.3	1449.5	1428.6	1420.9	1264.6
27.5°	1283.1	1281.9	1263.4	1212.1	1157.8	1144.7	1284.9	1491.3	1478.2	1467.4	1277.1
30°	1394.6	1388.1	1370.8	1315.9	1247.3	1195.4	1277.7	1537.2	1530.6	1516.9	1287.3
32.5°	1455.5	1452.5	1441.2	1407.8	1348.1	1268.8	1298.6	1584.3	1605.8	1595.7	1309.3
35°	1503.8	1498.4	1486.5	1472.8	1442.4	1365.4	1346.9	1641.0	1718.0	1700.1	1356.5
37.5°	1549.7	1543.8	1535.4	1522.3	1502.6	1457.9	1417.3	1718.5	1859.9	1847.4	1428.0
40°	1601.0	1594.5	1583.7	1574.8	1547.3	1533.6	1483.5	1792.5	2012.0	2006.1	1513.9
42.5°	1639.8	1632.7	1627.3	1621.3	1591.5	1565.8	1535.4	1862.9	2217.2	2202.3	1627.9
45°	1668.4	1664.3	1664.3	1657.1	1637.4	1567.0	1571.8	1957.2	2437.9	2433.2	1785.4
47.5°	1699.5	1694.1	1697.1	1690.5	1684.5	1568.2	1616.5	2083.0	2703.4	2699.2	1961.3
50°	1736.4	1731.1	1743.0	1733.5	1735.8	1604.0	1680.4	2240.5	2965.9	2955.7	2148.6
52.5°	1741.2	1740.0	1769.8	1791.3	1808.6	1685.7	1788.3	2428.4	3252.8	3252.8	2367.0
55°	1644.6	1642.2	1700.1	1791.3	1888.6	1842.6	1988.8	2722.5	3570.1	3578.5	2561.4
57.5°	1335.6	1346.9	1444.7	1624.3	1884.4	2066.3	2285.2	3080.4	4017.5	3990.1	2752.3
60°	849.4	866.1	944.3	1191.2	1602.8	2103.9	2604.4	3534.9	4471.4	4419.0	3004.6
62.5°	561.3	547.0	548.2	664.5	1031.4	1768.1	2667.0	4073.6	5019.0	4980.9	3228.9
65°	499.3	489.1	438.4	408.0	501.1	1104.1	2267.9	4461.9	5722.9	5616.2	3400.7
67.5°	473.6	463.5	416.4	369.2	315.6	564.3	1611.8	4390.3	6214.5	6147.0	3527.8
70°	428.9	422.9	384.7	348.4	263.7	272.6	930.0	3854.1	6394.0	6361.8	3469.9
72.5°	372.8	365.7	340.0	315.0	231.4	201.0	446.2	3055.3	5922.2	5919.8	3224.7
75°	305.4	299.4	278.6	270.2	195.7	164.6	253.5	2145.7	4933.7	4907.5	2866.2
77.5°	249.9	241.6	227.3	220.7	162.3	132.4	178.4	1497.8	3641.1	3572.5	2006.1
80°	181.3	176.0	162.3	177.8	128.2	102.6	132.4	931.8	2139.7	2000.1	751.6
82.5°	110.4	99.6	112.1	136.0	94.8	73.4	97.2	519.6	767.1	674.1	224.3
85°	51.3	52.5	65.6	87.1	56.7	42.9	60.8	227.3	222.5	213.0	94.2
87.5°	8.4	8.9	25.1	38.2	23.9	14.3	24.5	50.1	84.1	86.5	40.6
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°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1112.5	1102.9	1085.7	1066.6	1045.1	1025.4	1017.1	989.6	983.1	981.3	967.5
5°	1123.8	1102.9	1057.6	1003.9	941.3	884.6	822.0	771.9	743.8	741.5	745.0
7.5°	1135.2	1102.4	1019.4	910.9	799.9	690.2	623.4	584.0	556.5	550.0	551.8
10°	1141.1	1094.0	961.0	794.0	640.7	560.7	522.5	508.8	504.6	501.1	501.1
12.5°	1142.3	1075.5	883.4	668.1	547.0	508.2	497.5	493.9	493.3	492.7	491.5
15°	1143.5	1052.2	784.4	570.9	504.6	492.1	487.9	487.3	488.5	487.9	487.9
17.5°	1142.3	1020.6	688.4	514.8	489.1	484.4	482.0	481.4	483.2	482.6	482.0
20°	1138.1	980.1	594.7	486.2	478.4	477.2	474.2	471.8	474.2	474.8	474.2
22.5°	1122.0	920.4	527.3	468.3	468.3	468.3	464.7	461.7	465.9	467.1	467.7
25°	1097.0	848.8	477.2	453.3	456.3	455.1	455.1	454.5	458.7	459.9	460.5
27.5°	1070.7	774.3	442.0	437.2	442.0	445.0	450.4	451.0	451.0	449.8	449.2
30°	1037.3	693.1	419.3	422.9	429.5	440.2	449.8	448.6	444.4	440.2	440.8
32.5°	1010.5	627.5	397.3	410.4	422.3	437.8	446.2	448.0	447.4	440.2	440.2
35°	1000.3	575.0	382.4	399.7	417.6	431.9	435.5	443.2	442.0	433.1	432.5
37.5°	1006.9	532.7	369.2	388.3	410.4	417.6	425.3	427.1	412.2	402.6	400.3
40°	1021.2	501.7	357.3	374.0	398.5	404.4	415.2	399.1	386.5	378.8	380.0
42.5°	1061.2	488.5	346.6	357.9	380.6	394.3	390.1	385.3	368.0	355.5	354.3
45°	1124.4	487.9	337.0	341.2	360.3	374.6	374.0	368.6	350.2	337.0	335.2
47.5°	1210.9	499.9	326.9	325.7	341.2	350.2	358.5	350.2	331.1	316.2	314.4
50°	1314.1	530.9	317.3	309.6	320.3	334.0	338.2	332.3	314.4	300.0	298.3
52.5°	1438.2	573.8	309.0	295.3	298.3	317.3	326.9	321.5	301.2	285.7	283.3
55°	1558.7	614.4	297.7	280.4	275.6	301.8	316.7	316.2	286.3	270.2	269.0
57.5°	1682.2	652.6	285.1	267.8	260.1	285.1	306.0	308.4	270.8	253.5	253.5
60°	1807.4	679.4	269.6	254.7	250.5	266.6	289.9	290.5	257.1	244.0	245.2
62.5°	1910.0	663.3	254.1	242.2	239.2	248.7	272.0	277.4	255.9	241.6	242.8
65°	1953.6	609.6	236.8	230.3	225.5	229.1	250.5	257.1	234.4	218.3	220.1
67.5°	1925.5	531.5	219.5	216.5	210.0	208.8	222.5	226.7	210.0	199.8	198.6
70°	1759.1	424.1	198.6	198.6	192.7	187.3	194.5	198.0	184.9	179.0	180.1
72.5°	1522.3	344.8	178.4	180.7	172.4	165.2	169.4	171.2	163.4	160.5	159.3
75°	1317.1	288.1	158.1	161.7	152.7	141.4	146.1	146.1	139.6	139.0	138.4
77.5°	960.4	216.5	136.0	140.2	133.0	118.7	119.9	120.5	118.1	118.1	118.7
80°	411.0	132.4	111.0	117.5	110.4	93.1	96.6	96.6	102.6	117.5	115.1
82.5°	136.6	78.7	84.1	92.5	84.7	69.2	73.4	78.7	101.4	97.2	92.5
85°	58.5	43.5	53.7	58.5	54.3	41.8	47.7	82.3	75.2	72.8	73.4
87.5°	19.7	18.5	22.7	26.8	19.1	13.1	24.5	50.1	48.9	37.0	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)