

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: P1208501

Luminaire Tested: UPW-SA1-070-727-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-727-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1200mA 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: 6647 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - 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

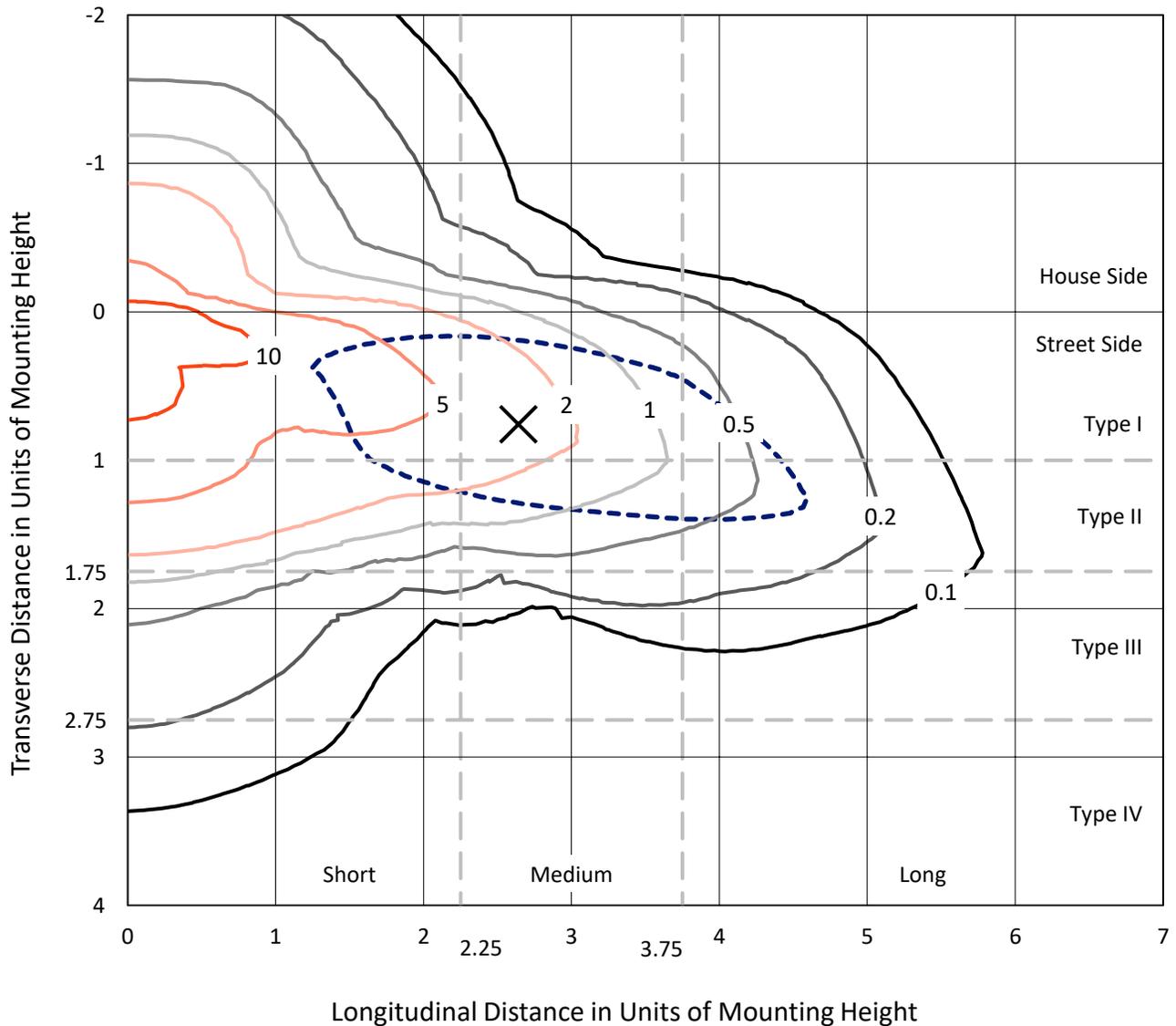


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

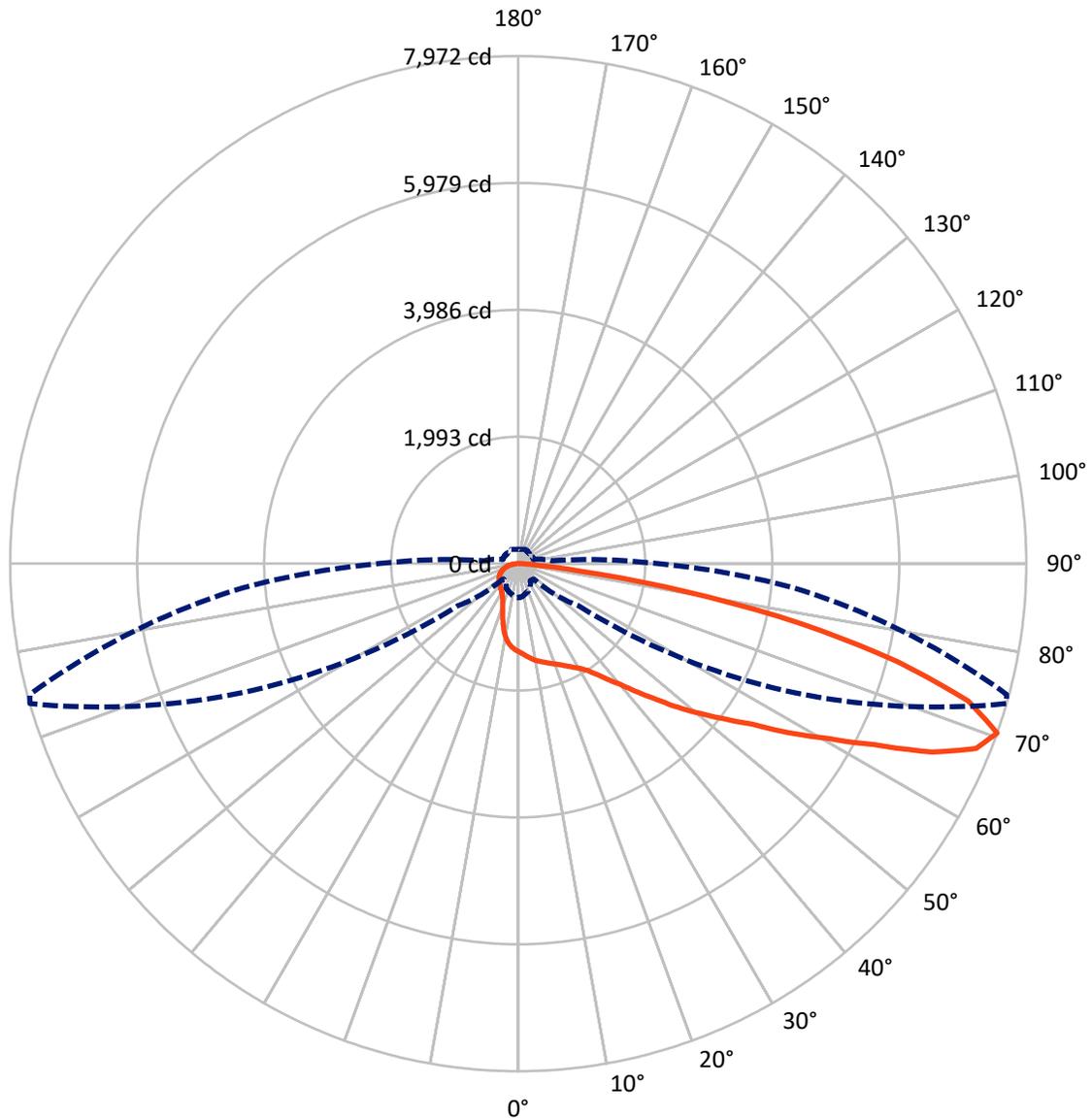


Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type II - Medium - N/A

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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	1216.6	0.0	1216.6
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	5430.4	0.0	5430.4
	% Fixture	81.7	0.0	81.7
Total	Lumens	6647.0	0.0	6647.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	1.8
10°-20°	319.8	4.8
20°-30°	506.4	7.6
30°-40°	754.5	11.4
40°-50°	1040.5	15.7
50°-60°	1395.4	21.0
60°-70°	1448.2	21.8
70°-80°	916.4	13.8
80°-90°	144.2	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°	6647.0	100.0
0°-180°	6647.0	100.0



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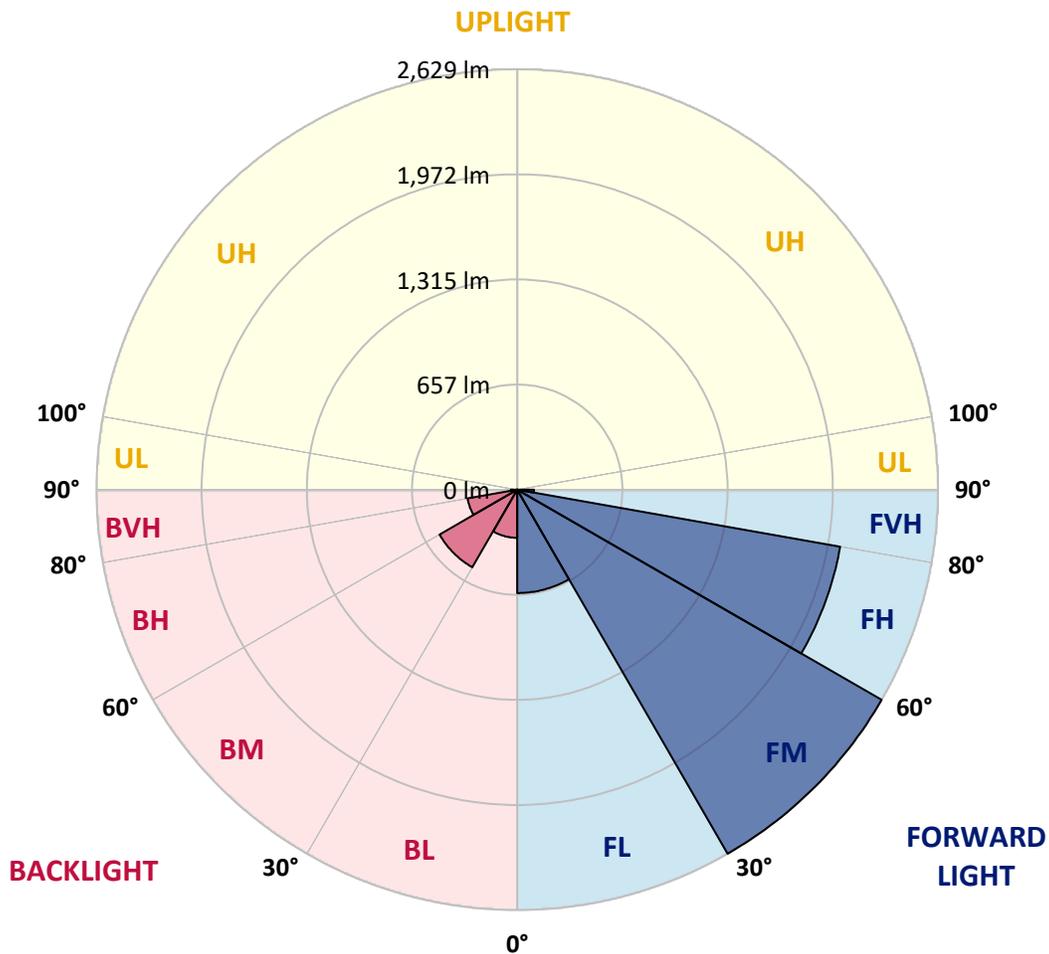
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	646.6	9.7			
FM (30°-60°)	2629.5	39.6			
FH (60°-80°)	2049.4	30.8			G2/5000
FVH (80°-90°)	104.8	1.6			G2/225
BL (0°-30°)	301.1	4.5	B1/500		
BM (30°-60°)	561.0	8.4	B1/1000		
BH (60°-80°)	315.1	4.7	B1/500		G1/500
BVH (80°-90°)	39.4	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-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1
2.5°	1480.1	1477.9	1472.7	1472.7	1470.4	1465.2	1450.3	1434.7	1419.8	1418.4	1399.0
5°	1541.1	1537.4	1536.6	1536.6	1533.6	1528.4	1508.4	1486.8	1465.2	1460.8	1425.8
7.5°	1570.1	1567.1	1567.9	1571.6	1577.5	1573.1	1555.2	1536.6	1507.6	1503.9	1451.8
10°	1554.5	1556.7	1565.6	1586.4	1601.3	1609.5	1594.6	1577.5	1547.8	1543.3	1472.7
12.5°	1455.5	1462.2	1490.5	1544.1	1600.6	1631.8	1631.1	1613.2	1577.5	1573.8	1489.0
15°	1306.1	1297.9	1349.9	1435.5	1538.1	1626.6	1655.6	1647.4	1611.7	1606.5	1508.4
17.5°	1232.4	1233.2	1256.2	1309.0	1422.1	1584.2	1669.0	1681.7	1648.2	1641.5	1529.9
20°	1262.2	1261.4	1263.7	1281.5	1335.8	1497.9	1669.8	1718.8	1683.9	1679.4	1549.3
22.5°	1347.0	1344.0	1337.3	1322.4	1323.9	1421.3	1659.3	1759.7	1729.3	1720.3	1562.6
25°	1465.2	1457.8	1436.2	1402.7	1367.0	1398.3	1632.6	1807.3	1781.3	1771.6	1576.8
27.5°	1599.8	1598.4	1575.3	1511.3	1443.6	1427.3	1602.1	1859.4	1843.0	1829.7	1592.4
30°	1738.9	1730.7	1709.2	1640.7	1555.2	1490.5	1593.1	1916.7	1908.5	1891.4	1605.0
32.5°	1814.8	1811.1	1796.9	1755.3	1680.9	1582.0	1619.2	1975.4	2002.2	1989.6	1632.6
35°	1875.0	1868.3	1853.5	1836.4	1798.4	1702.5	1679.4	2046.1	2142.0	2119.7	1691.3
37.5°	1932.3	1924.9	1914.4	1898.1	1873.5	1817.8	1767.2	2142.8	2319.1	2303.4	1780.6
40°	1996.3	1988.1	1974.7	1963.5	1929.3	1912.2	1849.7	2235.0	2508.7	2501.3	1887.7
42.5°	2044.6	2035.7	2029.0	2021.6	1984.4	1952.4	1914.4	2322.8	2764.6	2746.0	2029.7
45°	2080.3	2075.1	2075.1	2066.2	2041.6	1953.9	1959.8	2440.3	3039.8	3033.8	2226.1
47.5°	2119.0	2112.3	2116.0	2107.8	2100.4	1955.4	2015.6	2597.2	3370.7	3365.5	2445.5
50°	2165.1	2158.4	2173.3	2161.4	2164.4	2000.0	2095.2	2793.6	3698.0	3685.4	2679.0
52.5°	2171.0	2169.6	2206.7	2233.5	2255.1	2101.9	2229.8	3027.9	4055.7	4055.7	2951.3
55°	2050.6	2047.6	2119.7	2233.5	2354.8	2297.5	2479.7	3394.5	4451.4	4461.8	3193.7
57.5°	1665.3	1679.4	1801.4	2025.3	2349.6	2576.4	2849.4	3840.8	5009.3	4975.0	3431.7
60°	1059.1	1079.9	1177.4	1485.3	1998.5	2623.3	3247.3	4407.5	5575.3	5509.8	3746.3
62.5°	699.9	682.0	683.5	828.6	1286.0	2204.5	3325.4	5079.2	6258.0	6210.4	4026.0
65°	622.5	609.9	546.7	508.7	624.8	1376.7	2827.8	5563.4	7135.7	7002.5	4240.2
67.5°	590.5	577.9	519.1	460.4	393.5	703.6	2009.7	5474.1	7748.5	7664.5	4398.6
70°	534.8	527.3	479.7	434.4	328.7	339.9	1159.5	4805.5	7972.4	7932.2	4326.5
72.5°	464.9	455.9	423.9	392.7	288.6	250.6	556.3	3809.6	7384.1	7381.1	4020.8
75°	380.8	373.4	347.3	336.9	244.0	205.3	316.1	2675.3	6151.7	6119.0	3573.8
77.5°	311.6	301.2	283.4	275.2	202.3	165.1	222.4	1867.6	4539.9	4454.4	2501.3
80°	226.1	219.4	202.3	221.6	159.9	127.9	165.1	1161.8	2667.9	2493.8	937.1
82.5°	137.6	124.2	139.8	169.6	118.3	91.5	121.2	647.8	956.5	840.5	279.7
85°	64.0	65.5	81.8	108.6	70.7	53.6	75.9	283.4	277.4	265.5	117.5
87.5°	10.4	11.2	31.2	47.6	29.8	17.9	30.5	62.5	104.9	107.8	50.6
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°	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1
2.5°	1387.1	1375.2	1353.7	1329.9	1303.1	1278.5	1268.1	1233.9	1225.7	1223.5	1206.4
5°	1401.3	1375.2	1318.7	1251.8	1173.7	1103.0	1024.9	962.4	927.5	924.5	929.0
7.5°	1415.4	1374.5	1271.1	1135.7	997.4	860.5	777.2	728.1	693.9	685.8	688.0
10°	1422.8	1364.1	1198.2	990.0	798.8	699.1	651.5	634.4	629.2	624.8	624.8
12.5°	1424.3	1341.0	1101.5	833.0	682.0	633.7	620.3	615.8	615.1	614.3	612.9
15°	1425.8	1312.0	978.1	711.8	629.2	613.6	608.4	607.7	609.1	608.4	608.4
17.5°	1424.3	1272.6	858.3	641.9	609.9	603.9	601.0	600.2	602.4	601.7	601.0
20°	1419.1	1222.0	741.5	606.2	596.5	595.0	591.3	588.3	591.3	592.0	591.3
22.5°	1399.0	1147.6	657.5	583.9	583.9	583.9	579.4	575.7	580.9	582.4	583.1
25°	1367.8	1058.4	595.0	565.3	569.0	567.5	567.5	566.7	572.0	573.4	574.2
27.5°	1335.1	965.4	551.1	545.2	551.1	554.8	561.5	562.3	562.3	560.8	560.1
30°	1293.4	864.3	522.9	527.3	535.5	548.9	560.8	559.3	554.1	548.9	549.6
32.5°	1259.9	782.4	495.3	511.7	526.6	545.9	556.3	558.6	557.8	548.9	548.9
35°	1247.3	717.0	476.8	498.3	520.6	538.5	542.9	552.6	551.1	540.0	539.2
37.5°	1255.5	664.2	460.4	484.2	511.7	520.6	530.3	532.5	513.9	502.0	499.1
40°	1273.3	625.5	445.5	466.3	496.8	504.3	517.7	497.6	482.0	472.3	473.8
42.5°	1323.2	609.1	432.1	446.3	474.5	491.6	486.4	480.5	458.9	443.3	441.8
45°	1402.0	608.4	420.2	425.4	449.2	467.1	466.3	459.6	436.6	420.2	418.0
47.5°	1509.8	623.3	407.6	406.1	425.4	436.6	447.0	436.6	412.8	394.2	392.0
50°	1638.5	662.0	395.7	386.0	399.4	416.5	421.7	414.3	392.0	374.1	371.9
52.5°	1793.2	715.5	385.3	368.2	371.9	395.7	407.6	400.9	375.6	356.3	353.3
55°	1943.5	766.1	371.1	349.6	343.6	376.3	394.9	394.2	357.0	336.9	335.4
57.5°	2097.4	813.7	355.5	334.0	324.3	355.5	381.6	384.5	337.7	316.1	316.1
60°	2253.6	847.1	336.2	317.6	312.4	332.5	361.5	362.2	320.6	304.2	305.7
62.5°	2381.5	827.1	316.8	302.0	298.2	310.1	339.2	345.9	319.1	301.2	302.7
65°	2435.8	760.1	295.3	287.1	281.1	285.6	312.4	320.6	292.3	272.2	274.4
67.5°	2400.9	662.7	273.7	270.0	261.8	260.3	277.4	282.6	261.8	249.2	247.7
70°	2193.4	528.8	247.7	247.7	240.2	233.5	242.5	246.9	230.6	223.1	224.6
72.5°	1898.1	429.9	222.4	225.4	214.9	206.0	211.2	213.5	203.8	200.1	198.6
75°	1642.2	359.2	197.1	201.6	190.4	176.3	182.2	182.2	174.0	173.3	172.6
77.5°	1197.5	270.0	169.6	174.8	165.9	148.0	149.5	150.2	147.3	147.3	148.0
80°	512.5	165.1	138.3	146.5	137.6	116.0	120.5	120.5	127.9	146.5	143.5
82.5°	170.3	98.2	104.9	115.3	105.6	86.3	91.5	98.2	126.4	121.2	115.3
85°	72.9	54.3	66.9	72.9	67.7	52.1	59.5	102.6	93.7	90.7	91.5
87.5°	24.5	23.1	28.3	33.5	23.8	16.4	30.5	62.5	61.0	46.1	44.6
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)