

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: P1208906

Luminaire Tested: UPW-SA2-070-827-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208906
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-SA2-070-827-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6858 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - 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

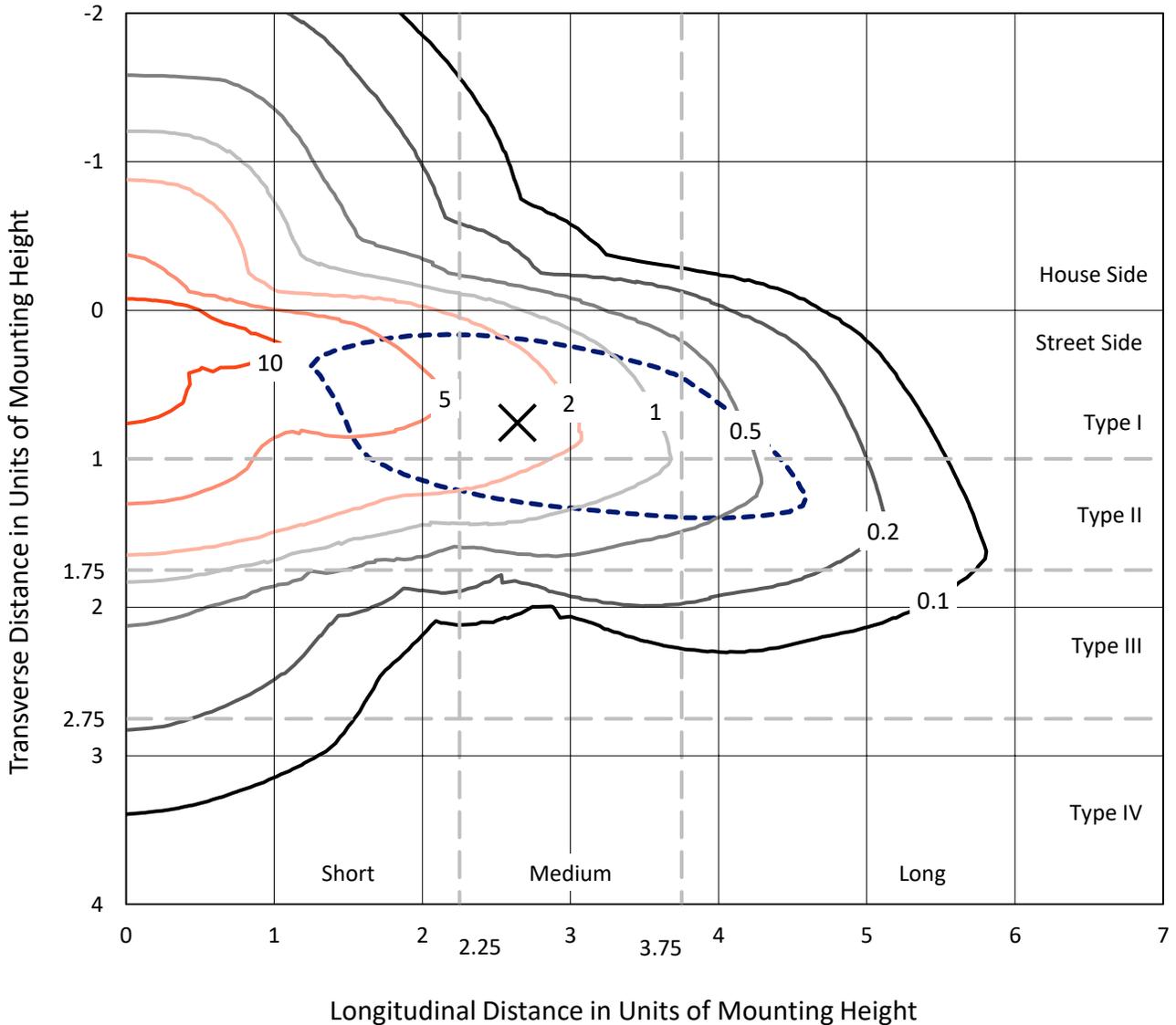


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

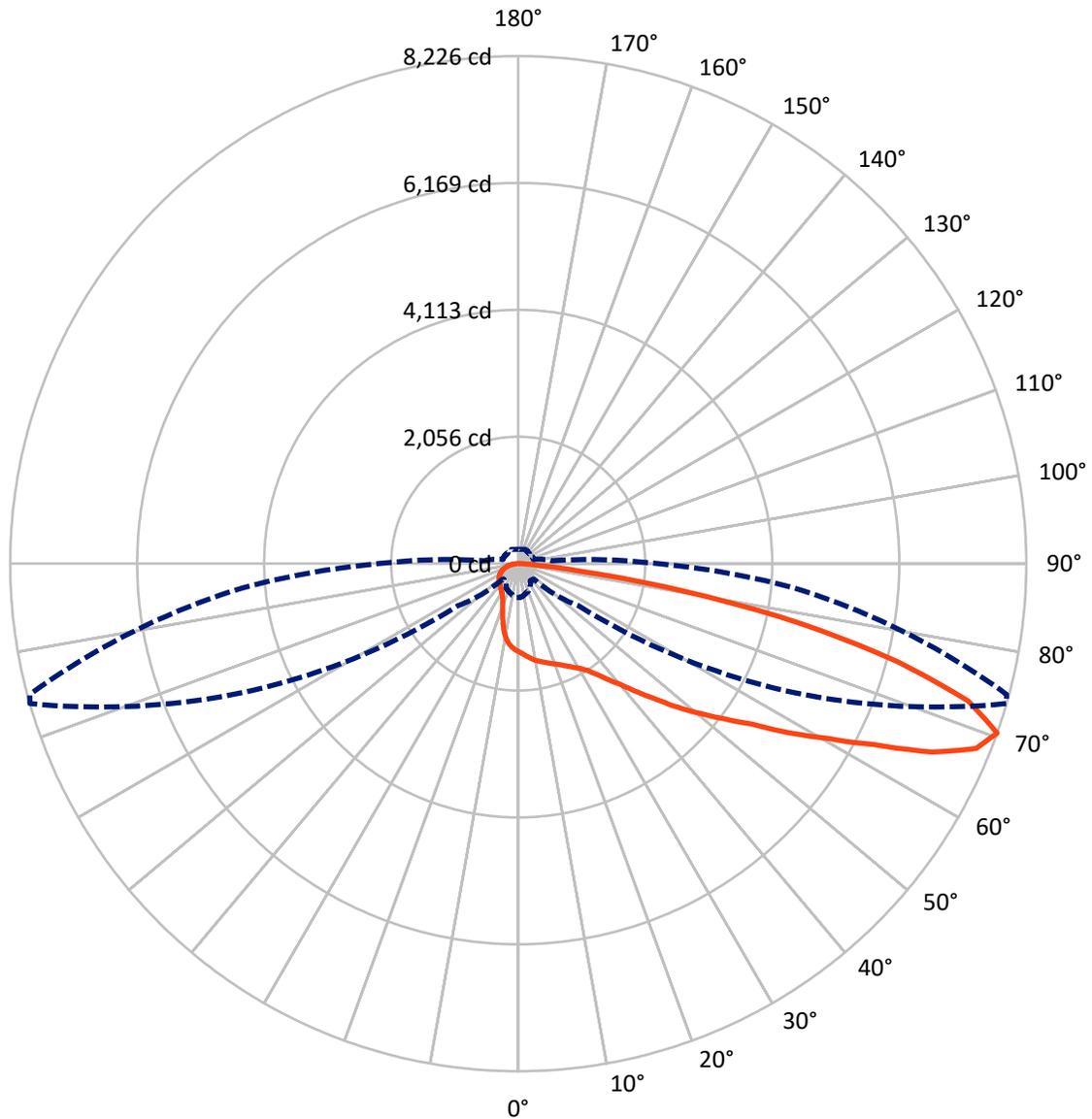


Based on 10 foot mounting height. Maximum calculated value = 15.9 fc
 Type II - Medium - N/A

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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	1255.3	0.0	1255.3
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	5602.7	0.0	5602.7
	% Fixture	81.7	0.0	81.7
Total	Lumens	6858.0	0.0	6858.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	1.8
10°-20°	329.9	4.8
20°-30°	522.5	7.6
30°-40°	778.5	11.4
40°-50°	1073.5	15.7
50°-60°	1439.7	21.0
60°-70°	1494.1	21.8
70°-80°	945.5	13.8
80°-90°	148.8	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°	6858.0	100.0
0°-180°	6858.0	100.0

Coefficient of Utilization



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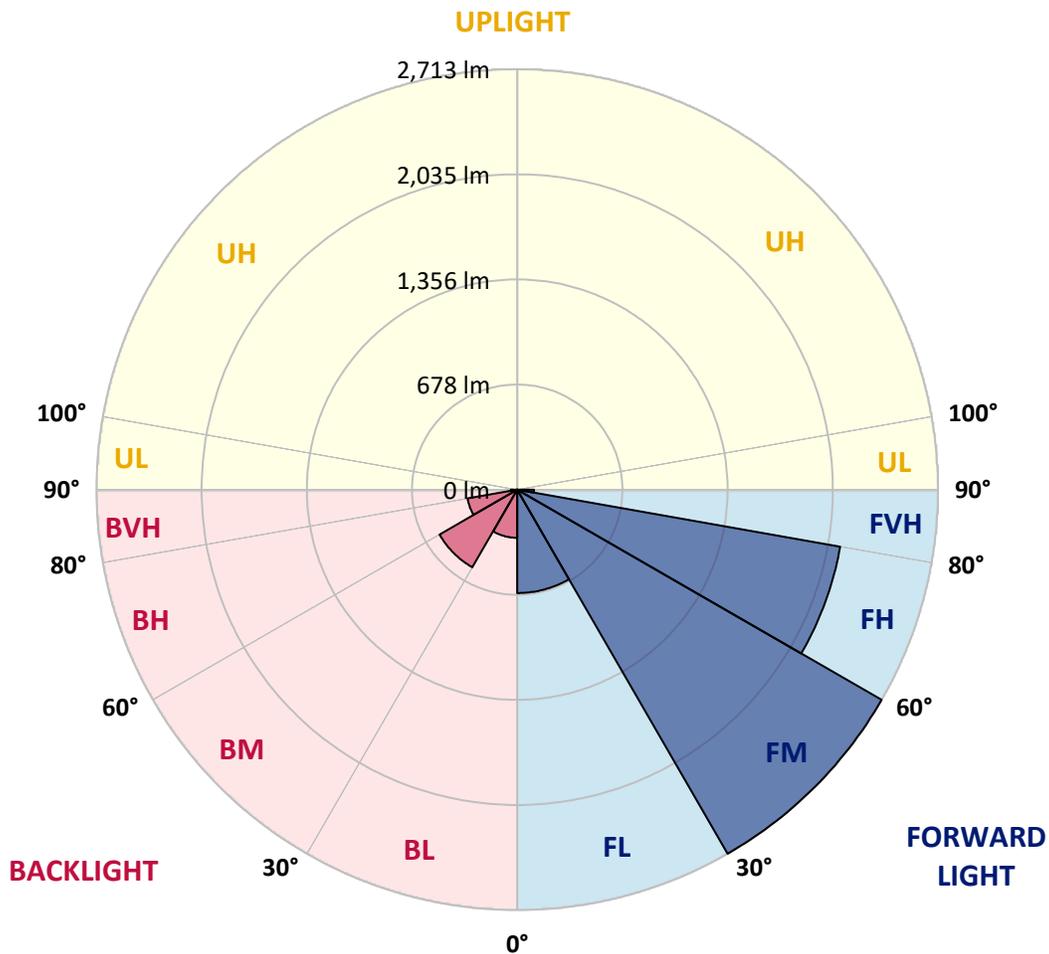
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	667.1	9.7			
FM (30°-60°)	2712.9	39.6			
FH (60°-80°)	2114.5	30.8			G2/5000
FVH (80°-90°)	108.2	1.6			G2/225
BL (0°-30°)	310.7	4.5	B1/500		
BM (30°-60°)	578.8	8.4	B1/1000		
BH (60°-80°)	325.1	4.7	B1/500		G1/500
BVH (80°-90°)	40.7	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°	1428.1	1428.1	1428.1	1428.1	1428.1	1428.1	1428.1	1428.1	1428.1	1428.1	1428.1
2.5°	1527.1	1524.8	1519.4	1519.4	1517.1	1511.7	1496.4	1480.3	1464.9	1463.4	1443.4
5°	1590.0	1586.2	1585.4	1585.4	1582.3	1577.0	1556.2	1534.0	1511.7	1507.1	1471.1
7.5°	1619.9	1616.9	1617.6	1621.5	1627.6	1623.0	1604.6	1585.4	1555.5	1551.6	1497.9
10°	1603.8	1606.1	1615.3	1636.8	1652.2	1660.6	1645.3	1627.6	1596.9	1592.3	1519.4
12.5°	1501.8	1508.7	1537.8	1593.1	1651.4	1683.6	1682.9	1664.4	1627.6	1623.8	1536.3
15°	1347.5	1339.1	1392.8	1481.0	1586.9	1678.2	1708.2	1699.7	1662.9	1657.5	1556.2
17.5°	1271.5	1272.3	1296.1	1350.6	1467.2	1634.5	1722.0	1735.0	1700.5	1693.6	1578.5
20°	1302.2	1301.5	1303.8	1322.2	1378.2	1545.5	1722.8	1773.4	1737.3	1732.7	1598.4
22.5°	1389.7	1386.6	1379.7	1364.4	1365.9	1466.5	1712.0	1815.6	1784.1	1774.9	1612.3
25°	1511.7	1504.1	1481.8	1447.3	1410.4	1442.7	1684.4	1864.7	1837.9	1827.9	1626.8
27.5°	1650.6	1649.1	1625.3	1559.3	1489.5	1472.6	1652.9	1918.4	1901.6	1887.7	1642.9
30°	1794.1	1785.7	1763.4	1692.8	1604.6	1537.8	1643.7	1977.5	1969.1	1951.4	1656.0
32.5°	1872.4	1868.6	1854.0	1811.0	1734.3	1632.2	1670.6	2038.1	2065.8	2052.7	1684.4
35°	1934.6	1927.6	1912.3	1894.6	1855.5	1756.5	1732.7	2111.0	2210.0	2187.0	1745.0
37.5°	1993.6	1986.0	1975.2	1958.3	1933.0	1875.5	1823.3	2210.8	2392.7	2376.6	1837.1
40°	2059.6	2051.2	2037.4	2025.9	1990.6	1972.9	1908.5	2306.0	2588.4	2580.7	1947.6
42.5°	2109.5	2100.3	2093.4	2085.7	2047.4	2014.4	1975.2	2396.5	2852.3	2833.1	2094.2
45°	2146.3	2141.0	2141.0	2131.8	2106.4	2015.9	2022.0	2517.8	3136.3	3130.1	2296.8
47.5°	2186.2	2179.3	2183.2	2174.7	2167.1	2017.4	2079.6	2679.7	3477.7	3472.4	2523.1
50°	2233.8	2226.9	2242.3	2230.0	2233.1	2063.5	2161.7	2882.3	3815.4	3802.3	2764.1
52.5°	2240.0	2238.4	2276.8	2304.4	2326.7	2168.6	2300.6	3124.0	4184.5	4184.5	3044.9
55°	2115.7	2112.6	2187.0	2304.4	2429.5	2370.4	2558.4	3502.3	4592.7	4603.5	3295.1
57.5°	1718.2	1732.7	1858.6	2089.6	2424.1	2658.2	2939.8	3962.7	5168.3	5133.0	3540.7
60°	1092.7	1114.2	1214.8	1532.4	2061.9	2706.5	3350.4	4547.5	5752.2	5684.7	3865.3
62.5°	722.1	703.7	705.2	854.9	1326.8	2274.5	3430.9	5240.4	6456.7	6407.6	4153.8
65°	642.3	629.2	564.0	524.9	644.6	1420.4	2917.6	5740.0	7362.2	7224.8	4374.8
67.5°	609.3	596.2	535.6	475.0	405.9	725.9	2073.4	5647.9	7994.5	7907.8	4538.3
70°	551.7	544.1	495.0	448.1	339.2	350.7	1196.3	4958.0	8225.5	8184.0	4463.8
72.5°	479.6	470.4	437.4	405.2	297.7	258.6	574.0	3930.5	7618.5	7615.4	4148.4
75°	392.9	385.2	358.4	347.6	251.7	211.8	326.1	2760.2	6347.0	6313.2	3687.2
77.5°	321.5	310.8	292.4	283.9	208.7	170.4	229.4	1926.9	4684.1	4595.8	2580.7
80°	233.3	226.4	208.7	228.7	165.0	132.0	170.4	1198.6	2752.6	2573.0	966.9
82.5°	142.0	128.2	144.3	175.0	122.0	94.4	125.1	668.4	986.8	867.1	288.5
85°	66.0	67.5	84.4	112.0	72.9	55.3	78.3	292.4	286.2	274.0	121.2
87.5°	10.7	11.5	32.2	49.1	30.7	18.4	31.5	64.5	108.2	111.3	52.2
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°	1428.1	1428.1	1428.1	1428.1	1428.1	1428.1	1428.1	1428.1	1428.1	1428.1	1428.1
2.5°	1431.2	1418.9	1396.6	1372.1	1344.4	1319.1	1308.4	1273.1	1264.6	1262.3	1244.7
5°	1445.7	1418.9	1360.6	1291.5	1210.9	1138.0	1057.4	993.0	956.9	953.8	958.5
7.5°	1460.3	1418.1	1311.4	1171.8	1029.0	887.9	801.9	751.3	716.0	707.5	709.8
10°	1468.0	1407.4	1236.2	1021.4	824.2	721.3	672.2	654.6	649.2	644.6	644.6
12.5°	1469.5	1383.6	1136.5	859.5	703.7	653.8	640.0	635.4	634.6	633.9	632.3
15°	1471.1	1353.6	1009.1	734.4	649.2	633.1	627.7	626.9	628.5	627.7	627.7
17.5°	1469.5	1313.0	885.5	662.2	629.2	623.1	620.0	619.3	621.6	620.8	620.0
20°	1464.2	1260.8	765.1	625.4	615.4	613.9	610.1	607.0	610.1	610.8	610.1
22.5°	1443.4	1184.1	678.4	602.4	602.4	602.4	597.8	593.9	599.3	600.9	601.6
25°	1411.2	1092.0	613.9	583.2	587.0	585.5	585.5	584.7	590.1	591.6	592.4
27.5°	1377.4	996.1	568.6	562.5	568.6	572.5	579.4	580.1	580.1	578.6	577.8
30°	1334.5	891.7	539.5	544.1	552.5	566.3	578.6	577.1	571.7	566.3	567.1
32.5°	1299.9	807.3	511.1	528.0	543.3	563.3	574.0	576.3	575.5	566.3	566.3
35°	1286.9	739.7	491.9	514.1	537.2	555.6	560.2	570.2	568.6	557.1	556.3
37.5°	1295.3	685.3	475.0	499.6	528.0	537.2	547.1	549.4	530.3	518.0	514.9
40°	1313.7	645.4	459.7	481.1	512.6	520.3	534.1	513.4	497.3	487.3	488.8
42.5°	1365.2	628.5	445.8	460.4	489.6	507.2	501.9	495.7	473.5	457.4	455.8
45°	1446.5	627.7	433.6	438.9	463.5	481.9	481.1	474.2	450.4	433.6	431.3
47.5°	1557.8	643.1	420.5	419.0	438.9	450.4	461.2	450.4	425.9	406.7	404.4
50°	1690.5	683.0	408.2	398.3	412.1	429.7	435.1	427.4	404.4	386.0	383.7
52.5°	1850.1	738.2	397.5	379.9	383.7	408.2	420.5	413.6	387.5	367.6	364.5
55°	2005.1	790.4	382.9	360.7	354.5	388.3	407.5	406.7	368.3	347.6	346.1
57.5°	2164.0	839.5	366.8	344.6	334.6	366.8	393.7	396.7	348.4	326.1	326.1
60°	2325.1	874.0	346.9	327.7	322.3	343.0	372.9	373.7	330.7	313.9	315.4
62.5°	2457.1	853.3	326.9	311.6	307.7	320.0	349.9	356.8	329.2	310.8	312.3
65°	2513.2	784.3	304.6	296.2	290.1	294.7	322.3	330.7	301.6	280.9	283.2
67.5°	2477.1	683.7	282.4	278.6	270.1	268.6	286.2	291.6	270.1	257.1	255.5
70°	2263.0	545.6	255.5	255.5	247.9	241.0	250.2	254.8	237.9	230.2	231.7
72.5°	1958.3	443.5	229.4	232.5	221.8	212.6	217.9	220.2	210.3	206.4	204.9
75°	1694.4	370.6	203.4	208.0	196.4	181.9	188.0	188.0	179.6	178.8	178.0
77.5°	1235.5	278.6	175.0	180.3	171.1	152.7	154.2	155.0	151.9	151.9	152.7
80°	528.7	170.4	142.7	151.2	142.0	119.7	124.3	124.3	132.0	151.2	148.1
82.5°	175.7	101.3	108.2	118.9	109.0	89.0	94.4	101.3	130.5	125.1	118.9
85°	75.2	56.0	69.1	75.2	69.8	53.7	61.4	105.9	96.7	93.6	94.4
87.5°	25.3	23.8	29.2	34.5	24.6	16.9	31.5	64.5	62.9	47.6	46.0
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)