

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: P1208366

Luminaire Tested: UPW-SA1-060-750-U-SL2

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208366  
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-SA1-060-750-U-SL2  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 5000K, 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: 7244 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 59  
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

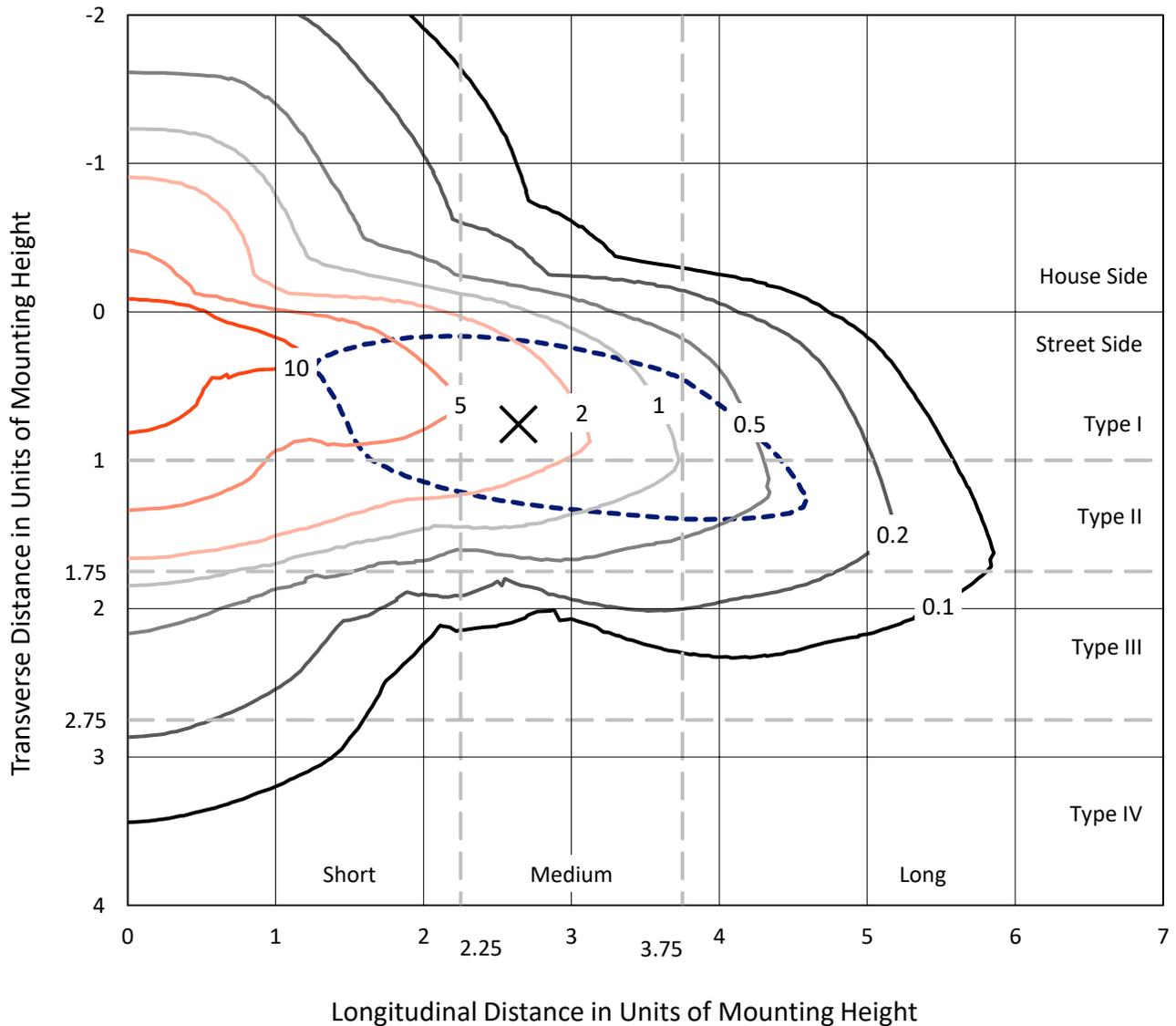


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

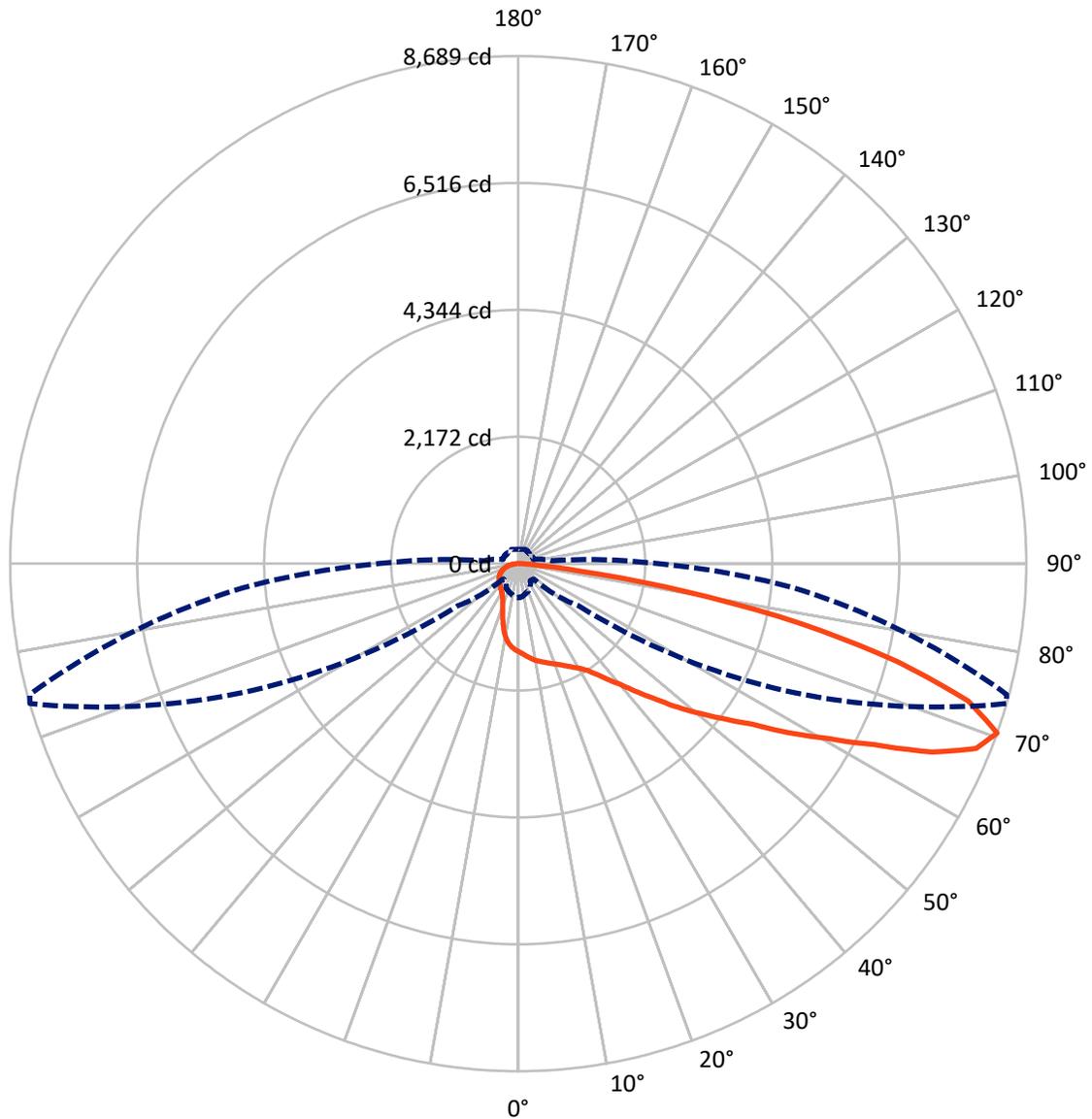


Based on 10 foot mounting height. Maximum calculated value = 16.8 fc  
 Type II - Medium - N/A

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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
<b>House Side</b>	Lumens	1325.9	0.0	1325.9
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	5918.1	0.0	5918.1
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	7244.0	0.0	7244.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.5	1.8
10°-20°	348.5	4.8
20°-30°	551.9	7.6
30°-40°	822.3	11.4
40°-50°	1133.9	15.7
50°-60°	1520.8	21.0
60°-70°	1578.2	21.8
70°-80°	998.7	13.8
80°-90°	157.2	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°	7244.0	100.0
0°-180°	7244.0	100.0



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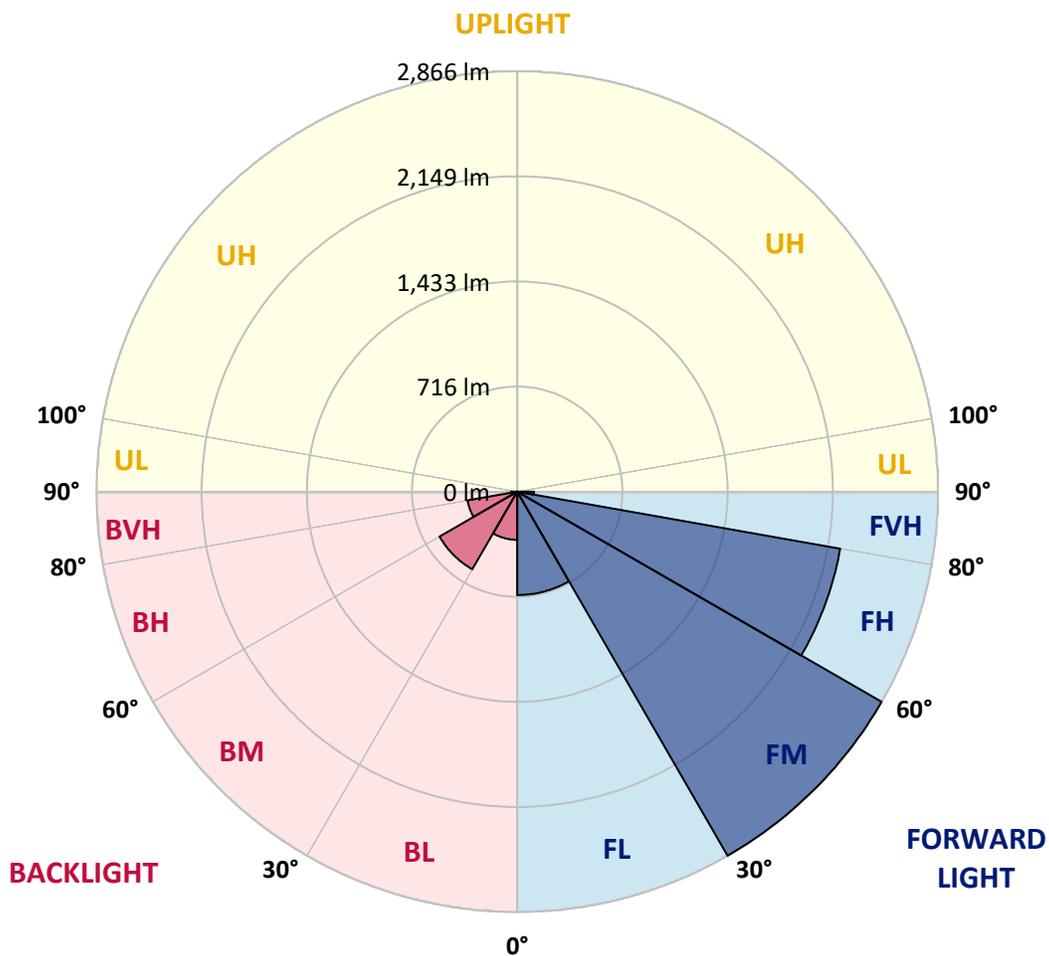
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	704.7	9.7			
FM	(30°-60°)	2865.6	39.6			
FH	(60°-80°)	2233.5	30.8			G2/5000
FVH	(80°-90°)	114.2	1.6			G2/225
BL	(0°-30°)	328.2	4.5	B1/500		
BM	(30°-60°)	611.4	8.4	B1/1000		
BH	(60°-80°)	343.4	4.7	B1/500		G1/500
BVH	(80°-90°)	42.9	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°	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5
2.5°	1613.0	1610.6	1604.9	1604.9	1602.5	1596.8	1580.6	1563.6	1547.4	1545.7	1524.7
5°	1679.5	1675.4	1674.6	1674.6	1671.4	1665.7	1643.8	1620.3	1596.8	1592.0	1553.9
7.5°	1711.1	1707.9	1708.7	1712.7	1719.2	1714.3	1694.9	1674.6	1643.0	1639.0	1582.2
10°	1694.1	1696.5	1706.2	1728.9	1745.1	1754.1	1737.9	1719.2	1686.8	1681.9	1604.9
12.5°	1586.3	1593.6	1624.4	1682.7	1744.3	1778.4	1777.6	1758.1	1719.2	1715.2	1622.8
15°	1423.4	1414.4	1471.2	1564.4	1676.2	1772.7	1804.3	1795.4	1756.5	1750.8	1643.8
17.5°	1343.1	1343.9	1369.0	1426.6	1549.8	1726.5	1818.9	1832.7	1796.2	1788.9	1667.3
20°	1375.5	1374.7	1377.2	1396.6	1455.8	1632.5	1819.7	1873.2	1835.1	1830.3	1688.4
22.5°	1467.9	1464.7	1457.4	1441.2	1442.8	1549.0	1808.4	1917.8	1884.6	1874.8	1703.0
25°	1596.8	1588.7	1565.2	1528.7	1489.8	1523.9	1779.2	1969.7	1941.3	1930.8	1718.4
27.5°	1743.5	1741.9	1716.8	1647.1	1573.3	1555.5	1746.0	2026.4	2008.6	1994.0	1735.4
30°	1895.1	1886.2	1862.7	1788.1	1694.9	1624.4	1736.2	2088.8	2079.9	2061.3	1749.2
32.5°	1977.8	1973.7	1958.3	1912.9	1831.9	1724.1	1764.6	2152.9	2182.0	2168.3	1779.2
35°	2043.4	2036.1	2019.9	2001.3	1959.9	1855.4	1830.3	2229.9	2334.4	2310.1	1843.2
37.5°	2105.8	2097.7	2086.4	2068.6	2041.8	1981.0	1925.9	2335.2	2527.3	2510.3	1940.5
40°	2175.6	2166.6	2152.1	2139.9	2102.6	2084.0	2015.9	2435.8	2734.0	2725.9	2057.2
42.5°	2228.2	2218.5	2211.2	2203.1	2162.6	2127.7	2086.4	2531.4	3012.9	2992.6	2212.0
45°	2267.2	2261.5	2261.5	2251.8	2225.0	2129.4	2135.8	2659.5	3312.8	3306.3	2426.0
47.5°	2309.3	2302.0	2306.1	2297.1	2289.0	2131.0	2196.6	2830.5	3673.5	3667.8	2665.1
50°	2359.6	2352.3	2368.5	2355.5	2358.7	2179.6	2283.4	3044.5	4030.1	4016.4	2919.7
52.5°	2366.0	2364.4	2404.9	2434.1	2457.6	2290.7	2430.1	3299.8	4420.0	4420.0	3216.3
55°	2234.7	2231.5	2310.1	2434.1	2566.3	2503.8	2702.4	3699.4	4851.2	4862.6	3480.6
57.5°	1814.9	1830.3	1963.2	2207.2	2560.6	2807.8	3105.3	4185.8	5459.2	5421.9	3740.0
60°	1154.2	1176.9	1283.1	1618.7	2178.0	2858.9	3538.9	4803.4	6076.0	6004.7	4082.8
62.5°	762.7	743.3	744.9	903.0	1401.5	2402.5	3624.0	5535.4	6820.1	6768.2	4387.6
65°	678.4	664.7	595.8	554.4	680.9	1500.4	3081.8	6063.0	7776.6	7631.5	4621.0
67.5°	643.6	629.8	565.8	501.7	428.8	766.8	2190.1	5965.8	8444.5	8352.9	4793.7
70°	582.8	574.7	522.8	473.4	358.3	370.4	1263.7	5237.1	8688.5	8644.7	4715.1
72.5°	506.6	496.9	462.0	428.0	314.5	273.2	606.3	4151.7	8047.3	8044.1	4381.9
75°	415.0	406.9	378.5	367.2	265.9	223.7	344.5	2915.6	6704.2	6668.5	3894.8
77.5°	339.6	328.3	308.8	299.9	220.5	179.9	242.4	2035.3	4947.7	4854.5	2725.9
80°	246.4	239.1	220.5	241.5	174.3	139.4	179.9	1266.1	2907.5	2717.8	1021.3
82.5°	150.0	135.4	152.4	184.8	128.9	99.7	132.1	706.0	1042.4	915.9	304.8
85°	69.7	71.3	89.2	118.3	77.0	58.4	82.7	308.8	302.3	289.4	128.1
87.5°	11.3	12.2	34.0	51.9	32.4	19.5	33.2	68.1	114.3	117.5	55.1
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°	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5
2.5°	1511.7	1498.7	1475.2	1449.3	1420.1	1393.4	1382.0	1344.7	1335.8	1333.4	1314.7
5°	1527.1	1498.7	1437.1	1364.2	1279.1	1202.1	1117.0	1048.9	1010.8	1007.5	1012.4
7.5°	1542.5	1497.9	1385.3	1237.7	1087.0	937.8	847.0	793.5	756.3	747.3	749.8
10°	1550.6	1486.6	1305.8	1078.9	870.5	761.9	710.1	691.4	685.7	680.9	680.9
12.5°	1552.2	1461.5	1200.4	907.8	743.3	690.6	676.0	671.1	670.3	669.5	667.9
15°	1553.9	1429.8	1065.9	775.7	685.7	668.7	663.0	662.2	663.9	663.0	663.0
17.5°	1552.2	1386.9	935.4	699.5	664.7	658.2	654.9	654.1	656.6	655.7	654.9
20°	1546.6	1331.8	808.1	660.6	650.1	648.5	644.4	641.2	644.4	645.2	644.4
22.5°	1524.7	1250.7	716.5	636.3	636.3	636.3	631.4	627.4	633.1	634.7	635.5
25°	1490.6	1153.4	648.5	616.0	620.1	618.5	618.5	617.7	623.3	624.9	625.8
27.5°	1455.0	1052.1	600.6	594.1	600.6	604.7	612.0	612.8	612.8	611.2	610.4
30°	1409.6	941.9	569.8	574.7	583.6	598.2	611.2	609.5	603.9	598.2	599.0
32.5°	1373.1	852.7	539.8	557.7	573.9	595.0	606.3	608.7	607.9	598.2	598.2
35°	1359.3	781.4	519.6	543.1	567.4	586.8	591.7	602.3	600.6	588.5	587.7
37.5°	1368.2	723.8	501.7	527.7	557.7	567.4	577.9	580.4	560.1	547.1	543.9
40°	1387.7	681.7	485.5	508.2	541.5	549.6	564.2	542.3	525.2	514.7	516.3
42.5°	1442.0	663.9	470.9	486.3	517.1	535.8	530.1	523.6	500.1	483.1	481.5
45°	1527.9	663.0	458.0	463.6	489.6	509.0	508.2	500.9	475.8	458.0	455.5
47.5°	1645.4	679.3	444.2	442.6	463.6	475.8	487.2	475.8	449.9	429.6	427.2
50°	1785.7	721.4	431.2	420.7	435.3	453.9	459.6	451.5	427.2	407.7	405.3
52.5°	1954.3	779.8	419.9	401.2	405.3	431.2	444.2	436.9	409.3	388.3	385.0
55°	2118.0	834.9	404.5	381.0	374.5	410.1	430.4	429.6	389.1	367.2	365.6
57.5°	2285.8	886.8	387.5	363.9	353.4	387.5	415.8	419.1	368.0	344.5	344.5
60°	2456.0	923.2	366.4	346.1	340.4	362.3	393.9	394.7	349.4	331.5	333.1
62.5°	2595.4	901.3	345.3	329.1	325.0	338.0	369.6	376.9	347.7	328.3	329.9
65°	2654.6	828.4	321.8	312.9	306.4	311.3	340.4	349.4	318.6	296.7	299.1
67.5°	2616.5	722.2	298.3	294.2	285.3	283.7	302.3	308.0	285.3	271.5	269.9
70°	2390.4	576.3	269.9	269.9	261.8	254.5	264.2	269.1	251.3	243.2	244.8
72.5°	2068.6	468.5	242.4	245.6	234.3	224.5	230.2	232.6	222.1	218.0	216.4
75°	1789.7	391.5	214.8	219.7	207.5	192.1	198.6	198.6	189.7	188.9	188.1
77.5°	1305.0	294.2	184.8	190.5	180.8	161.3	162.9	163.7	160.5	160.5	161.3
80°	558.5	179.9	150.8	159.7	150.0	126.4	131.3	131.3	139.4	159.7	156.4
82.5°	185.6	107.0	114.3	125.6	115.1	94.0	99.7	107.0	137.8	132.1	125.6
85°	79.4	59.2	73.0	79.4	73.8	56.7	64.8	111.9	102.1	98.9	99.7
87.5°	26.7	25.1	30.8	36.5	25.9	17.8	33.2	68.1	66.5	50.3	48.6
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)