

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: P1208744

Luminaire Tested: UPW-SA2-070-727-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208744
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-SA2-070-727-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 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: 7801 lumens
Efficiency: N/A
Efficacy: 118.2 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

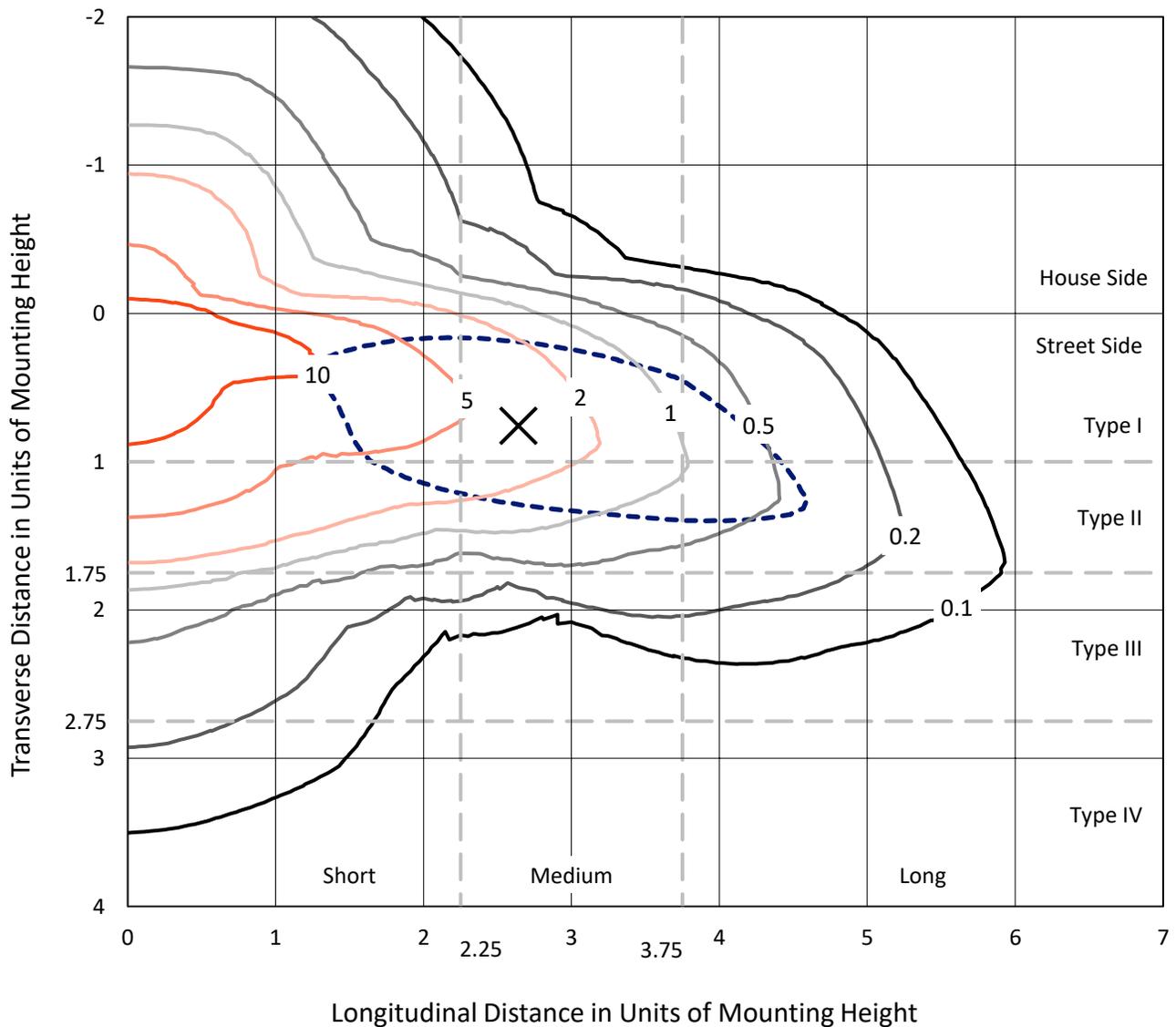


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

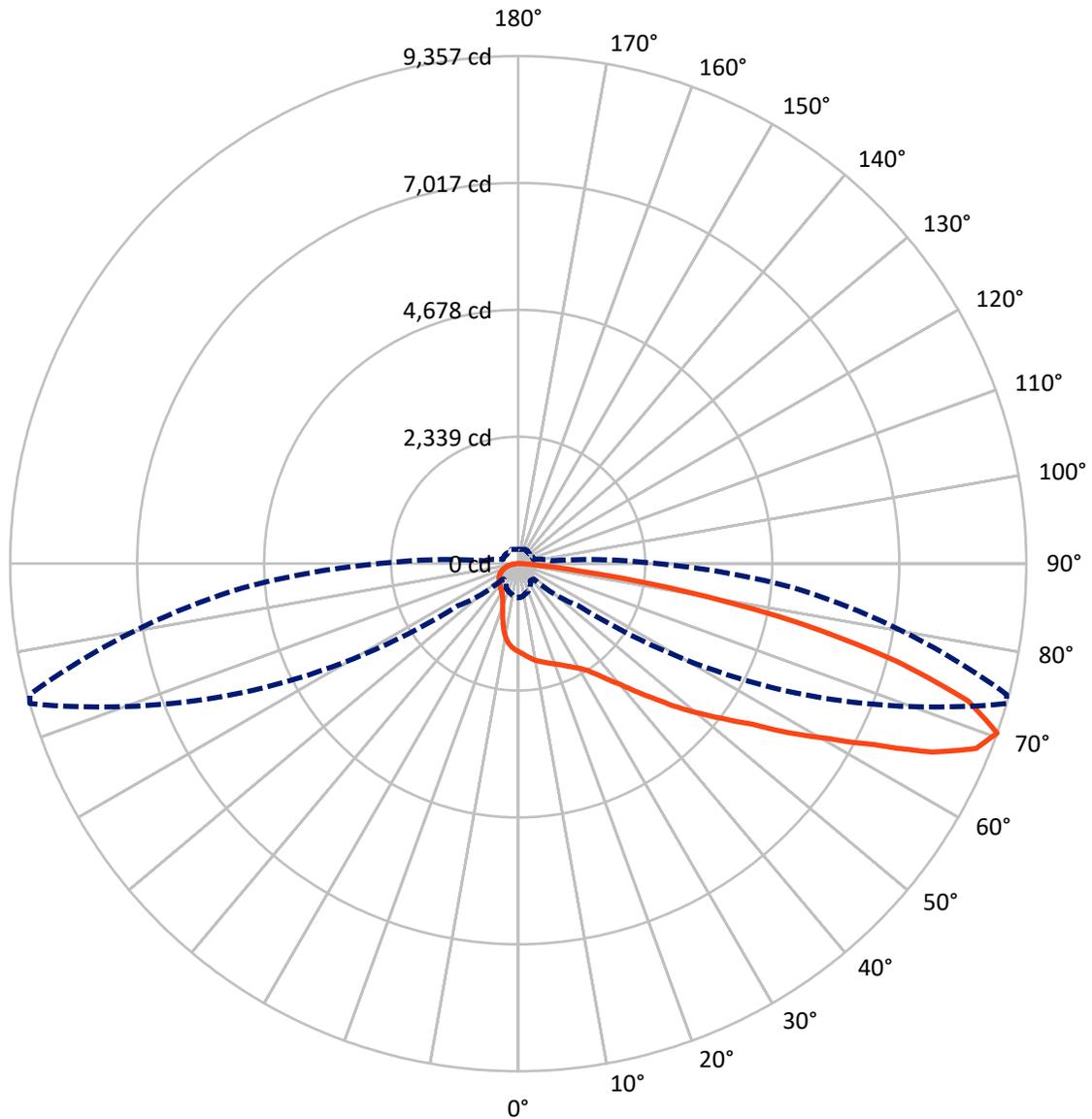


Based on 10 foot mounting height. Maximum calculated value = 18 fc
 Type II - Medium - N/A

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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	1427.9	0.0	1427.9
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	6373.1	0.0	6373.1
	% Fixture	81.7	0.0	81.7
Total	Lumens	7801.0	0.0	7801.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.7	1.8
10°-20°	375.3	4.8
20°-30°	594.3	7.6
30°-40°	885.5	11.4
40°-50°	1221.1	15.7
50°-60°	1637.7	21.0
60°-70°	1699.6	21.8
70°-80°	1075.5	13.8
80°-90°	169.3	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°	7801.0	100.0
0°-180°	7801.0	100.0



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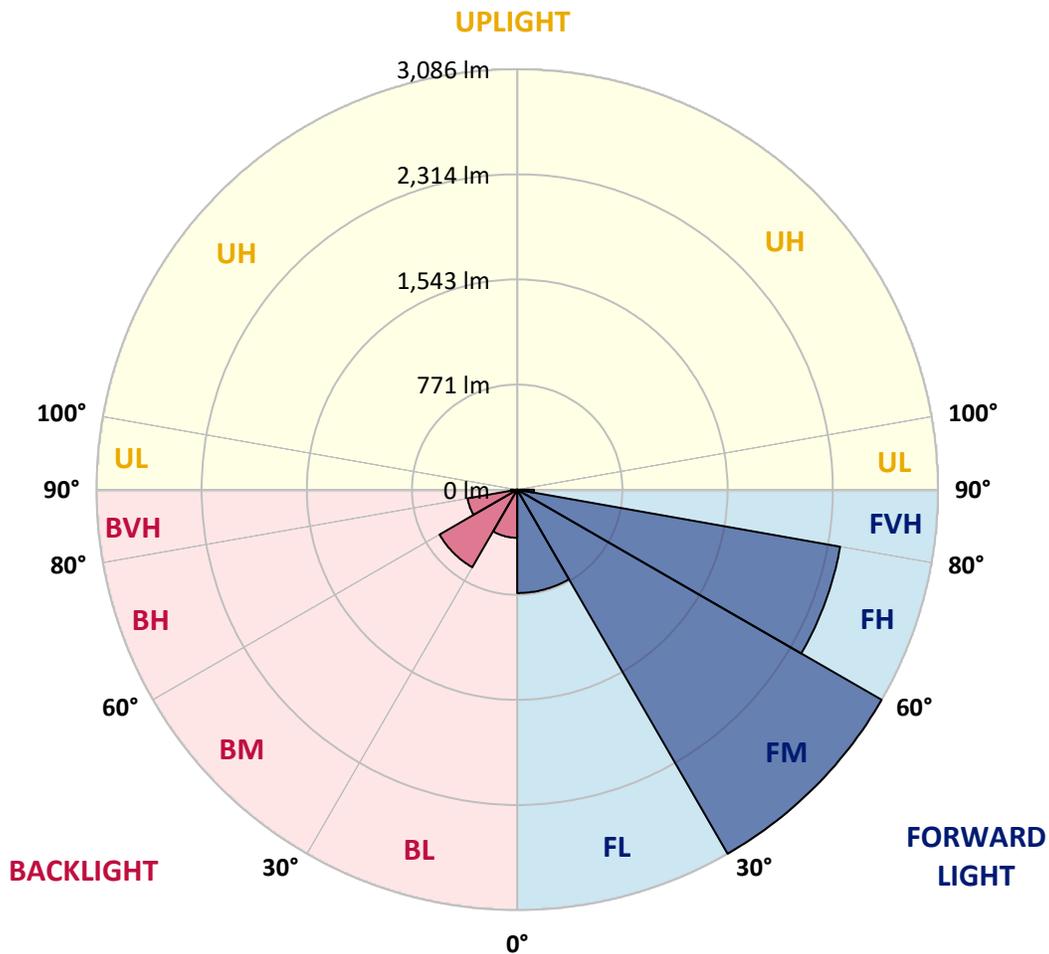
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	758.9	9.7			
FM (30°-60°)	3086.0	39.6			
FH (60°-80°)	2405.3	30.8			G2/5000
FVH (80°-90°)	123.0	1.6			G2/225
BL (0°-30°)	353.4	4.5	B1/500		
BM (30°-60°)	658.4	8.4	B1/1000		
BH (60°-80°)	369.8	4.7	B1/500		G1/500
BVH (80°-90°)	46.3	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°	1624.5	1624.5	1624.5	1624.5	1624.5	1624.5	1624.5	1624.5	1624.5	1624.5	1624.5
2.5°	1737.1	1734.4	1728.3	1728.3	1725.7	1719.6	1702.1	1683.8	1666.3	1664.6	1641.9
5°	1808.6	1804.3	1803.4	1803.4	1799.9	1793.8	1770.2	1744.9	1719.6	1714.4	1673.3
7.5°	1842.7	1839.2	1840.1	1844.4	1851.4	1846.2	1825.2	1803.4	1769.4	1765.0	1703.9
10°	1824.3	1827.0	1837.4	1861.9	1879.3	1888.9	1871.5	1851.4	1816.5	1811.2	1728.3
12.5°	1708.2	1716.1	1749.3	1812.1	1878.5	1915.1	1914.3	1893.3	1851.4	1847.0	1747.5
15°	1532.8	1523.2	1584.3	1684.7	1805.1	1909.0	1943.1	1933.5	1891.6	1885.4	1770.2
17.5°	1446.4	1447.3	1474.3	1536.3	1669.0	1859.3	1958.8	1973.6	1934.3	1926.5	1795.5
20°	1481.3	1480.4	1483.0	1504.0	1567.7	1758.0	1959.6	2017.3	1976.2	1971.0	1818.2
22.5°	1580.8	1577.3	1569.5	1552.0	1553.7	1668.1	1947.4	2065.3	2029.5	2019.0	1833.9
25°	1719.6	1710.9	1685.6	1646.3	1604.4	1641.0	1916.0	2121.1	2090.6	2079.2	1850.5
27.5°	1877.6	1875.8	1848.8	1773.7	1694.3	1675.1	1880.2	2182.2	2163.0	2147.3	1868.9
30°	2040.8	2031.2	2005.9	1925.6	1825.2	1749.3	1869.7	2249.4	2239.8	2219.8	1883.7
32.5°	2129.9	2125.5	2108.9	2060.0	1972.7	1856.6	1900.3	2318.4	2349.8	2335.0	1916.0
35°	2200.6	2192.7	2175.2	2155.2	2110.7	1998.0	1971.0	2401.3	2513.9	2487.7	1985.0
37.5°	2267.8	2259.0	2246.8	2227.6	2198.8	2133.3	2074.0	2514.8	2721.7	2703.3	2089.7
40°	2342.8	2333.2	2317.5	2304.4	2264.3	2244.2	2170.9	2623.0	2944.3	2935.5	2215.4
42.5°	2399.6	2389.1	2381.2	2372.5	2328.9	2291.3	2246.8	2726.0	3244.5	3222.7	2382.1
45°	2441.5	2435.4	2435.4	2424.9	2396.1	2293.1	2300.1	2864.0	3567.5	3560.5	2612.6
47.5°	2486.9	2479.0	2483.4	2473.8	2465.0	2294.8	2365.5	3048.1	3955.9	3949.8	2870.1
50°	2541.0	2533.1	2550.6	2536.6	2540.1	2347.2	2458.9	3278.6	4340.0	4325.2	3144.2
52.5°	2548.0	2546.2	2589.9	2621.3	2646.6	2466.8	2616.9	3553.5	4759.9	4759.9	3463.6
55°	2406.6	2403.1	2487.7	2621.3	2763.6	2696.4	2910.2	3983.9	5224.3	5236.5	3748.2
57.5°	1954.4	1971.0	2114.1	2376.9	2757.5	3023.7	3344.0	4507.6	5878.9	5838.8	4027.5
60°	1243.0	1267.4	1381.8	1743.2	2345.5	3078.7	3811.0	5172.8	6543.2	6466.4	4396.8
62.5°	821.4	800.4	802.2	972.4	1509.2	2587.2	3902.7	5961.0	7344.5	7288.6	4725.0
65°	730.6	715.8	641.6	597.1	733.2	1615.7	3318.7	6529.2	8374.5	8218.3	4976.4
67.5°	693.1	678.2	609.3	540.3	461.8	825.8	2358.6	6424.5	9093.8	8995.1	5162.3
70°	627.6	618.9	563.0	509.8	385.8	398.9	1360.8	5639.7	9356.5	9309.4	5077.6
72.5°	545.6	535.1	497.5	460.9	338.7	294.2	652.9	4470.9	8666.1	8662.6	4718.8
75°	446.9	438.2	407.6	395.4	286.3	240.9	371.0	3139.8	7219.7	7181.3	4194.2
77.5°	365.7	353.5	332.6	323.0	237.4	193.8	261.0	2191.8	5328.1	5227.7	2935.5
80°	265.4	257.5	237.4	260.1	187.7	150.1	193.8	1363.5	3131.1	2926.8	1099.8
82.5°	161.5	145.8	164.1	199.0	138.8	107.4	142.3	760.3	1122.5	986.4	328.2
85°	75.1	76.8	96.0	127.4	82.9	62.8	89.0	332.6	325.6	311.6	137.9
87.5°	12.2	13.1	36.7	55.9	34.9	20.9	35.8	73.3	123.1	126.6	59.4
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°	1624.5	1624.5	1624.5	1624.5	1624.5	1624.5	1624.5	1624.5	1624.5	1624.5	1624.5
2.5°	1627.9	1614.0	1588.7	1560.7	1529.3	1500.5	1488.3	1448.1	1438.5	1435.9	1415.8
5°	1644.5	1614.0	1547.6	1469.1	1377.4	1294.5	1202.8	1129.5	1088.5	1085.0	1090.2
7.5°	1661.1	1613.1	1491.8	1332.9	1170.5	1009.9	912.2	854.6	814.4	804.8	807.4
10°	1669.8	1600.9	1406.2	1161.8	937.5	820.5	764.7	744.6	738.5	733.2	733.2
12.5°	1671.6	1573.8	1292.8	977.6	800.4	743.7	728.0	722.8	721.9	721.0	719.3
15°	1673.3	1539.8	1147.9	835.4	738.5	720.1	714.0	713.2	714.9	714.0	714.0
17.5°	1671.6	1493.5	1007.3	753.3	715.8	708.8	705.3	704.4	707.0	706.2	705.3
20°	1665.5	1434.2	870.3	711.4	700.1	698.3	693.9	690.5	693.9	694.8	693.9
22.5°	1641.9	1346.9	771.6	685.2	685.2	685.2	680.0	675.6	681.7	683.5	684.3
25°	1605.2	1242.1	698.3	663.4	667.8	666.0	666.0	665.1	671.3	673.0	673.9
27.5°	1566.8	1133.0	646.8	639.8	646.8	651.2	659.0	659.9	659.9	658.2	657.3
30°	1518.0	1014.3	613.6	618.9	628.5	644.2	658.2	656.4	650.3	644.2	645.1
32.5°	1478.7	918.3	581.3	600.5	618.0	640.7	652.9	655.5	654.7	644.2	644.2
35°	1463.8	841.5	559.5	584.8	611.0	632.0	637.2	648.6	646.8	633.7	632.8
37.5°	1473.4	779.5	540.3	568.3	600.5	611.0	622.4	625.0	603.2	589.2	585.7
40°	1494.4	734.1	522.9	547.3	583.1	591.8	607.5	584.0	565.6	554.3	556.0
42.5°	1552.9	714.9	507.1	523.7	556.9	577.0	570.9	563.9	538.6	520.2	518.5
45°	1645.4	714.0	493.2	499.3	527.2	548.2	547.3	539.4	512.4	493.2	490.6
47.5°	1772.0	731.5	478.3	476.6	499.3	512.4	524.6	512.4	484.5	462.6	460.0
50°	1923.0	776.9	464.4	453.0	468.7	488.8	494.9	486.2	460.0	439.1	436.4
52.5°	2104.5	839.7	452.2	432.1	436.4	464.4	478.3	470.5	440.8	418.1	414.6
55°	2280.9	899.1	435.6	410.3	403.3	441.7	463.5	462.6	419.0	395.4	393.7
57.5°	2461.6	954.9	417.2	391.9	380.6	417.2	447.8	451.3	396.3	371.0	371.0
60°	2644.9	994.2	394.5	372.7	366.6	390.2	424.2	425.1	376.2	357.0	358.8
62.5°	2795.0	970.7	371.9	354.4	350.0	364.0	398.0	405.9	374.5	353.5	355.3
65°	2858.7	892.1	346.5	336.9	330.0	335.2	366.6	376.2	343.0	319.5	322.1
67.5°	2817.7	777.7	321.2	316.9	307.3	305.5	325.6	331.7	307.3	292.4	290.7
70°	2574.2	620.6	290.7	290.7	281.9	274.1	284.6	289.8	270.6	261.9	263.6
72.5°	2227.6	504.5	261.0	264.5	252.3	241.8	247.9	250.5	239.2	234.8	233.1
75°	1927.3	421.6	231.3	236.6	223.5	206.9	213.9	213.9	204.3	203.4	202.5
77.5°	1405.4	316.9	199.0	205.1	194.7	173.7	175.5	176.3	172.8	172.8	173.7
80°	601.4	193.8	162.4	172.0	161.5	136.2	141.4	141.4	150.1	172.0	168.5
82.5°	199.9	115.2	123.1	135.3	124.0	101.3	107.4	115.2	148.4	142.3	135.3
85°	85.5	63.7	78.6	85.5	79.4	61.1	69.8	120.5	110.0	106.5	107.4
87.5°	28.8	27.1	33.2	39.3	27.9	19.2	35.8	73.3	71.6	54.1	52.4
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)