

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: P1208827

Luminaire Tested: UPW-SA2-070-740-U-SL3

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208827  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-070-740-U-SL3  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9229 lumens  
Efficiency: N/A  
Efficacy: 139.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G3

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

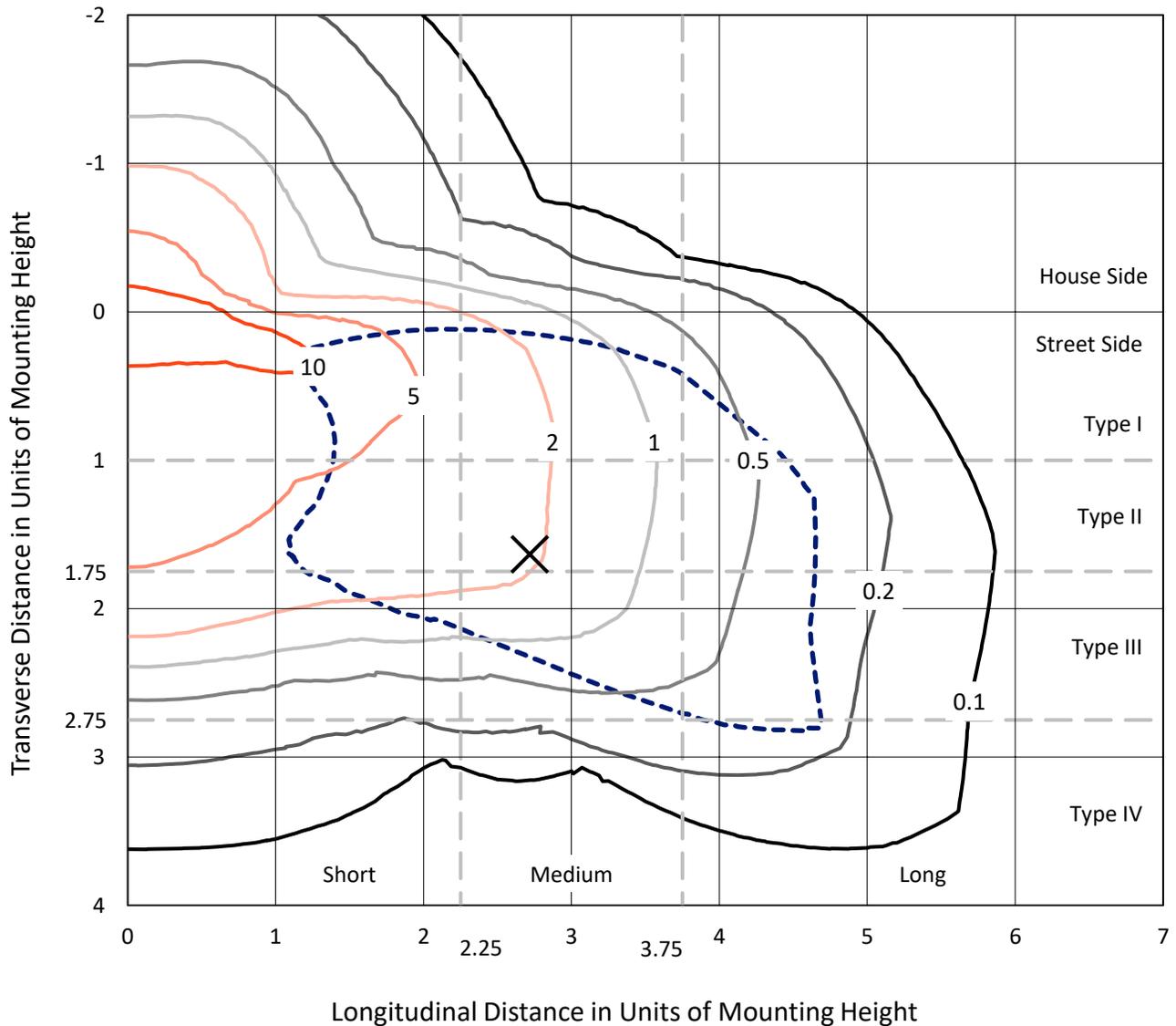


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

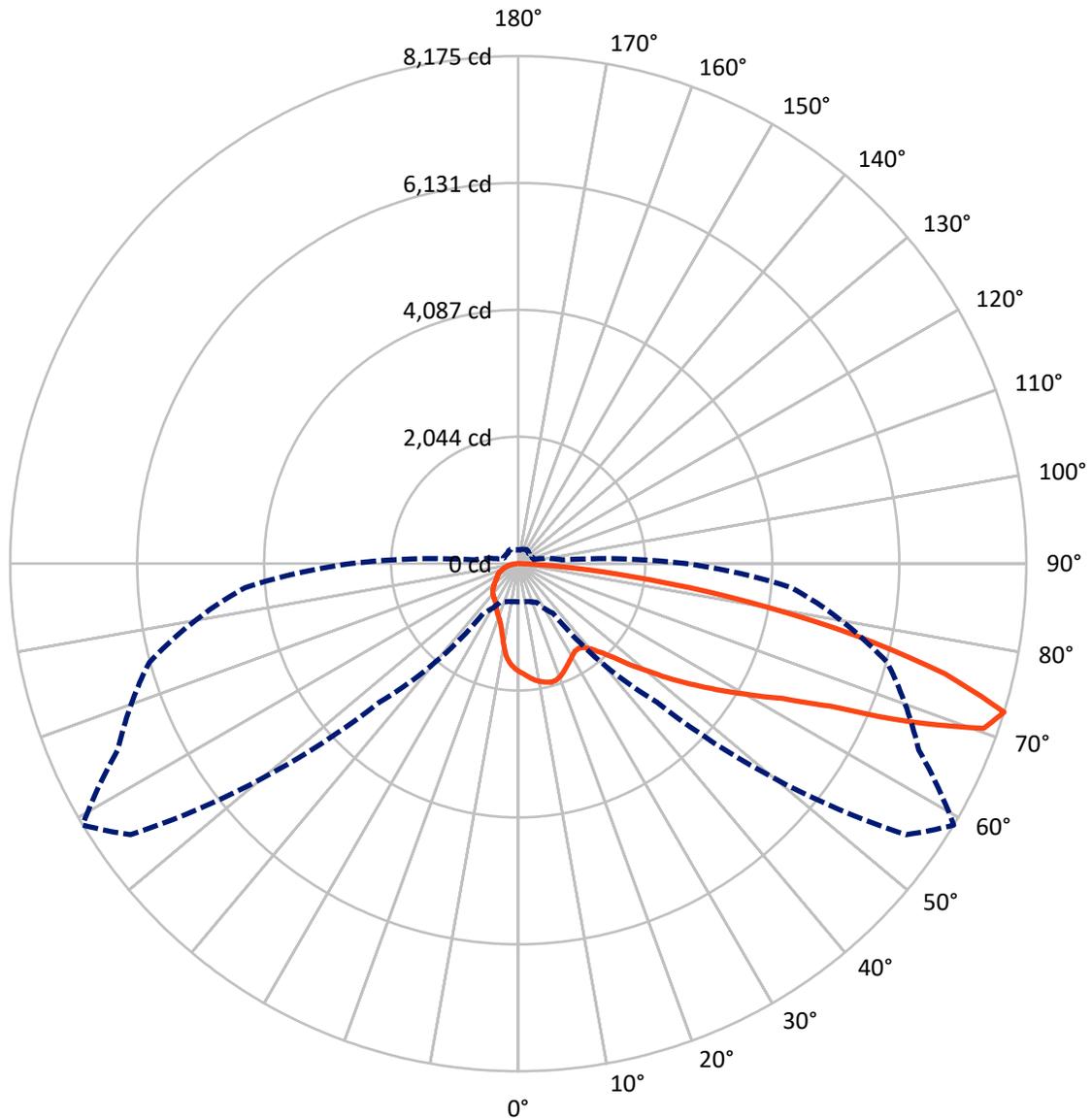


Based on 10 foot mounting height. Maximum calculated value = 18 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1570.4	0.0	1570.4
	% Fixture	17.0	0.0	17.0
<b>Street Side</b>	Lumens	7658.6	0.0	7658.6
	% Fixture	83.0	0.0	83.0
<b>Total</b>	Lumens	9229.0	0.0	9229.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.2	1.7
10°-20°	398.7	4.3
20°-30°	586.3	6.4
30°-40°	805.5	8.7
40°-50°	1203.3	13.0
50°-60°	1833.8	19.9
60°-70°	2350.3	25.5
70°-80°	1624.7	17.6
80°-90°	270.3	2.9
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°	9229.0	100.0
0°-180°	9229.0	100.0



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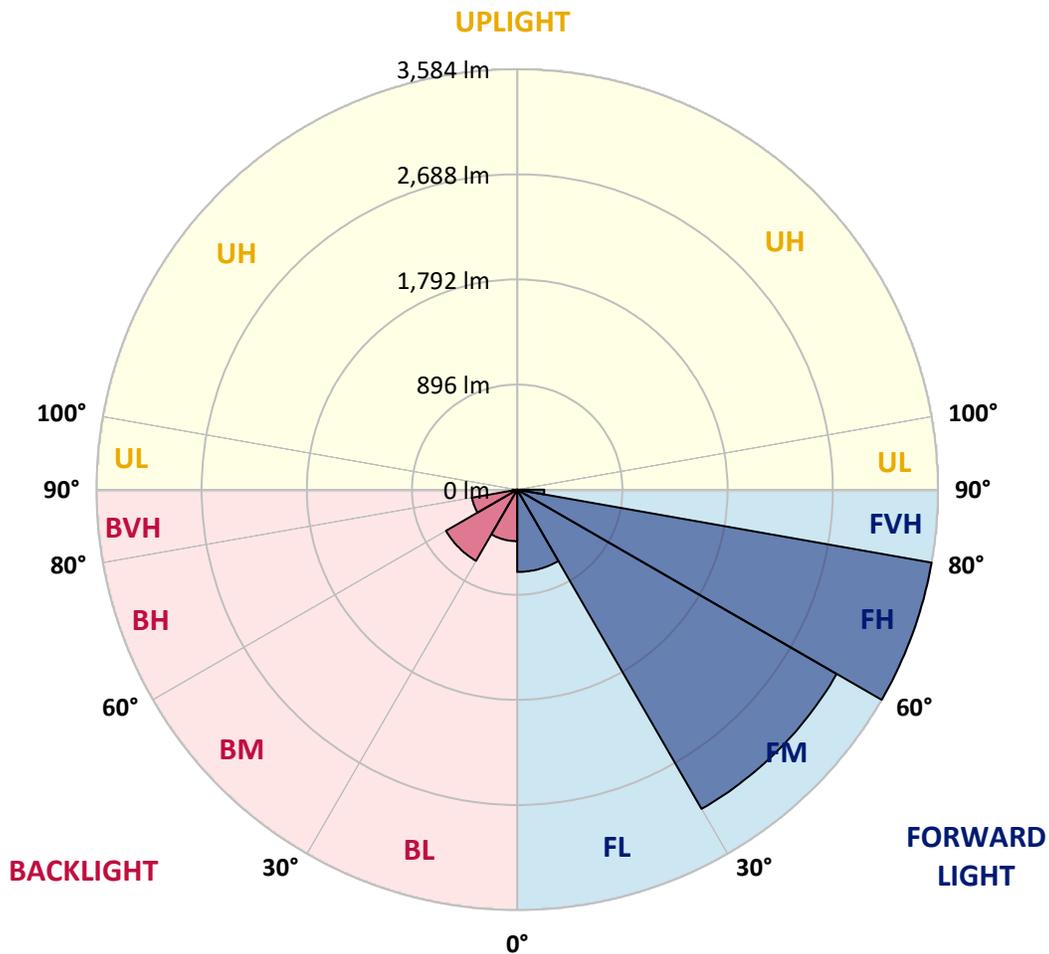
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	701.7	7.6			
FM	(30°-60°)	3142.1	34.0			
FH	(60°-80°)	3584.2	38.8			G2/5000
FVH	(80°-90°)	230.6	2.5			G3/500
BL	(0°-30°)	439.4	4.8	B1/500		
BM	(30°-60°)	700.4	7.6	B1/1000		
BH	(60°-80°)	390.8	4.2	B1/500		G1/500
BVH	(80°-90°)	39.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6
2.5°	1811.8	1806.7	1809.3	1813.1	1802.9	1804.1	1791.3	1781.1	1773.4	1768.3	1756.8
5°	1856.6	1843.8	1848.9	1860.4	1848.9	1859.2	1845.1	1837.4	1824.6	1816.9	1791.3
7.5°	1819.5	1810.5	1823.3	1852.8	1866.8	1893.7	1896.3	1891.1	1886.0	1869.4	1837.4
10°	1648.0	1642.9	1676.2	1754.2	1819.5	1884.7	1928.3	1928.3	1930.8	1919.3	1880.9
12.5°	1430.5	1426.7	1470.2	1566.1	1694.1	1843.8	1947.4	1959.0	1979.4	1975.6	1927.0
15°	1285.9	1283.4	1317.9	1394.7	1526.5	1738.9	1944.9	1983.3	2025.5	2034.5	1974.3
17.5°	1211.7	1211.7	1236.0	1294.9	1385.7	1593.0	1888.6	1973.0	2058.8	2101.0	2028.1
20°	1191.2	1188.7	1202.8	1238.6	1301.3	1462.5	1804.1	1937.2	2084.4	2154.7	2062.6
22.5°	1201.5	1198.9	1204.0	1222.0	1257.8	1375.5	1713.3	1883.5	2098.4	2202.1	2093.3
25°	1251.4	1248.8	1242.4	1241.1	1248.8	1334.6	1621.2	1823.3	2112.5	2269.9	2130.4
27.5°	1348.6	1340.9	1319.2	1298.7	1278.3	1325.6	1562.3	1769.6	2130.4	2326.2	2153.5
30°	1474.0	1471.5	1444.6	1406.2	1338.4	1346.1	1525.2	1719.7	2130.4	2369.7	2152.2
32.5°	1566.1	1567.4	1562.3	1539.3	1443.3	1392.1	1511.1	1678.7	2126.6	2429.8	2157.3
35°	1663.4	1663.4	1650.6	1650.6	1587.9	1481.7	1531.6	1674.9	2148.3	2529.6	2194.4
37.5°	1828.4	1825.9	1799.0	1772.2	1726.1	1626.3	1591.7	1712.0	2208.5	2689.6	2244.3
40°	2046.0	2051.1	1996.1	1921.9	1868.1	1793.9	1704.3	1806.7	2301.9	2880.2	2308.3
42.5°	2308.3	2322.3	2236.6	2134.3	2040.9	1943.6	1861.7	1957.7	2466.9	3151.5	2418.3
45°	2630.7	2616.6	2509.2	2372.3	2249.4	2084.4	2034.5	2153.5	2681.9	3518.7	2587.2
47.5°	2910.9	2918.6	2786.8	2637.1	2484.8	2255.8	2253.3	2440.1	2966.0	3894.9	2781.7
50°	3183.5	3206.5	3060.6	2903.3	2740.8	2447.7	2529.6	2724.1	3270.5	4278.8	3022.3
52.5°	3397.2	3412.5	3276.9	3141.2	2980.0	2701.1	2855.9	3088.8	3578.8	4646.0	3298.6
55°	3566.1	3587.8	3435.5	3322.9	3200.1	2977.5	3229.5	3448.3	3898.7	4987.6	3581.4
57.5°	3795.1	3807.9	3616.0	3517.4	3402.3	3292.2	3640.3	3852.7	4241.6	5278.1	3874.4
60°	3970.4	3978.1	3779.7	3749.0	3746.5	3726.0	4097.1	4286.4	4564.1	5549.3	4173.8
62.5°	3818.1	3818.1	3681.2	3766.9	4077.9	4438.7	4730.4	4786.7	4896.8	5812.9	4461.7
65°	3024.8	3055.5	3070.9	3358.8	4053.6	5168.0	5780.9	5532.7	5312.6	6054.7	4697.2
67.5°	1587.9	1649.3	1791.3	2287.8	3342.1	5434.2	7127.0	6798.1	5902.5	6217.2	4789.3
70°	808.7	826.6	900.8	1178.4	2103.5	4734.3	7926.7	7945.9	6606.2	6287.6	4722.7
72.5°	614.2	614.2	630.8	685.8	972.4	3157.9	7613.2	8174.9	7110.4	6145.6	4409.3
75°	511.8	518.2	551.5	559.2	491.3	1639.1	6175.0	7092.4	6574.2	5624.8	3851.4
77.5°	410.7	414.6	467.0	497.7	331.4	701.2	4502.7	5535.3	5069.5	4546.2	2712.6
80°	309.6	316.0	363.4	426.1	245.7	336.5	3033.8	3786.1	3172.0	2786.8	1252.7
82.5°	207.3	209.8	248.2	336.5	181.7	186.8	1787.5	2121.5	1541.8	1044.1	328.8
85°	126.7	129.2	154.8	217.5	120.3	99.8	793.3	820.2	487.5	248.2	117.7
87.5°	57.6	64.0	80.6	104.9	60.1	40.9	133.1	130.5	96.0	89.6	49.9
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°	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6
2.5°	1740.2	1726.1	1712.0	1692.8	1676.2	1648.0	1628.8	1609.6	1599.4	1596.9	1593.0
5°	1770.9	1746.6	1705.6	1651.9	1593.0	1526.5	1463.8	1408.8	1371.7	1360.1	1365.3
7.5°	1806.7	1772.2	1691.5	1587.9	1468.9	1338.4	1228.3	1156.7	1111.9	1086.3	1091.4
10°	1838.7	1788.8	1660.8	1486.8	1283.4	1119.6	1032.6	982.7	959.6	957.1	955.8
12.5°	1870.7	1805.4	1613.5	1342.2	1117.0	987.8	944.3	930.2	927.7	930.2	928.9
15°	1907.8	1814.4	1532.9	1192.5	999.3	932.8	918.7	914.9	916.1	922.5	921.3
17.5°	1938.5	1810.5	1407.5	1056.9	936.6	905.9	893.1	886.7	893.1	904.6	904.6
20°	1948.7	1773.4	1262.9	962.2	902.1	876.5	858.6	848.3	856.0	870.1	872.6
22.5°	1941.0	1703.1	1114.5	895.7	866.2	841.9	822.7	812.5	816.3	826.6	827.9
25°	1929.5	1610.9	984.0	844.5	820.2	801.0	795.9	783.1	776.7	783.1	784.4
27.5°	1895.0	1489.4	876.5	792.0	769.0	771.6	769.0	757.5	748.5	747.2	749.8
30°	1818.2	1320.5	795.9	738.3	730.6	744.7	744.7	728.1	711.4	708.9	712.7
32.5°	1726.1	1147.7	729.3	693.5	708.9	716.5	716.5	702.5	685.8	675.6	680.7
35°	1635.2	984.0	678.2	662.8	692.2	698.6	692.2	687.1	660.2	634.6	641.0
37.5°	1530.3	843.2	633.4	639.8	673.0	675.6	675.6	657.7	621.9	600.1	605.2
40°	1416.4	737.0	596.3	619.3	652.6	652.6	642.3	630.8	612.9	591.1	593.7
42.5°	1343.5	665.4	568.1	597.5	620.6	628.2	605.2	614.2	598.8	575.8	578.3
45°	1333.3	620.6	545.1	564.3	584.7	582.2	583.5	589.9	575.8	545.1	543.8
47.5°	1396.0	606.5	523.3	527.2	545.1	554.0	561.7	564.3	543.8	510.5	505.4
50°	1535.4	630.8	501.6	493.9	509.3	529.7	537.4	541.2	516.9	482.4	477.3
52.5°	1750.4	706.3	482.4	465.7	464.5	500.3	522.0	532.3	493.9	456.8	454.2
55°	1988.4	808.7	456.8	441.4	427.4	477.3	509.3	520.8	472.1	423.5	419.7
57.5°	2241.7	930.2	427.4	417.1	400.5	455.5	486.2	495.2	438.9	383.9	381.3
60°	2506.6	1039.0	399.2	390.3	381.3	426.1	458.1	460.6	408.2	353.2	350.6
62.5°	2745.9	1113.2	372.3	362.1	362.1	391.5	424.8	422.2	376.2	325.0	322.4
65°	2922.4	1104.2	348.0	335.2	340.4	354.4	383.9	374.9	341.6	298.1	295.6
67.5°	2994.1	1009.5	325.0	310.9	312.2	316.0	340.4	334.0	307.1	271.3	270.0
70°	2919.9	839.4	295.6	277.7	275.1	276.4	300.7	289.2	270.0	246.9	245.7
72.5°	2698.5	703.7	262.3	246.9	241.8	238.0	258.5	253.3	239.3	220.1	221.4
75°	2365.9	607.8	226.5	216.2	207.3	203.4	220.1	217.5	207.3	194.5	194.5
77.5°	1653.2	444.0	186.8	183.0	177.9	170.2	183.0	184.3	177.9	174.0	172.7
80°	716.5	248.2	147.1	149.7	143.3	138.2	148.4	149.7	154.8	149.7	151.0
82.5°	207.3	122.8	106.2	113.9	111.3	106.2	111.3	122.8	115.2	101.1	103.6
85°	76.8	58.9	66.5	71.7	67.8	53.7	70.4	80.6	72.9	67.8	69.1
87.5°	29.4	21.8	28.1	24.3	19.2	14.1	24.3	26.9	35.8	14.1	11.5
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)