

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: P1208852

Luminaire Tested: UPW-SA2-070-750-U-SL2

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208852  
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-SA2-070-750-U-SL2  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 5000K, 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: 9328 lumens  
Efficiency: N/A  
Efficacy: 141.3 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

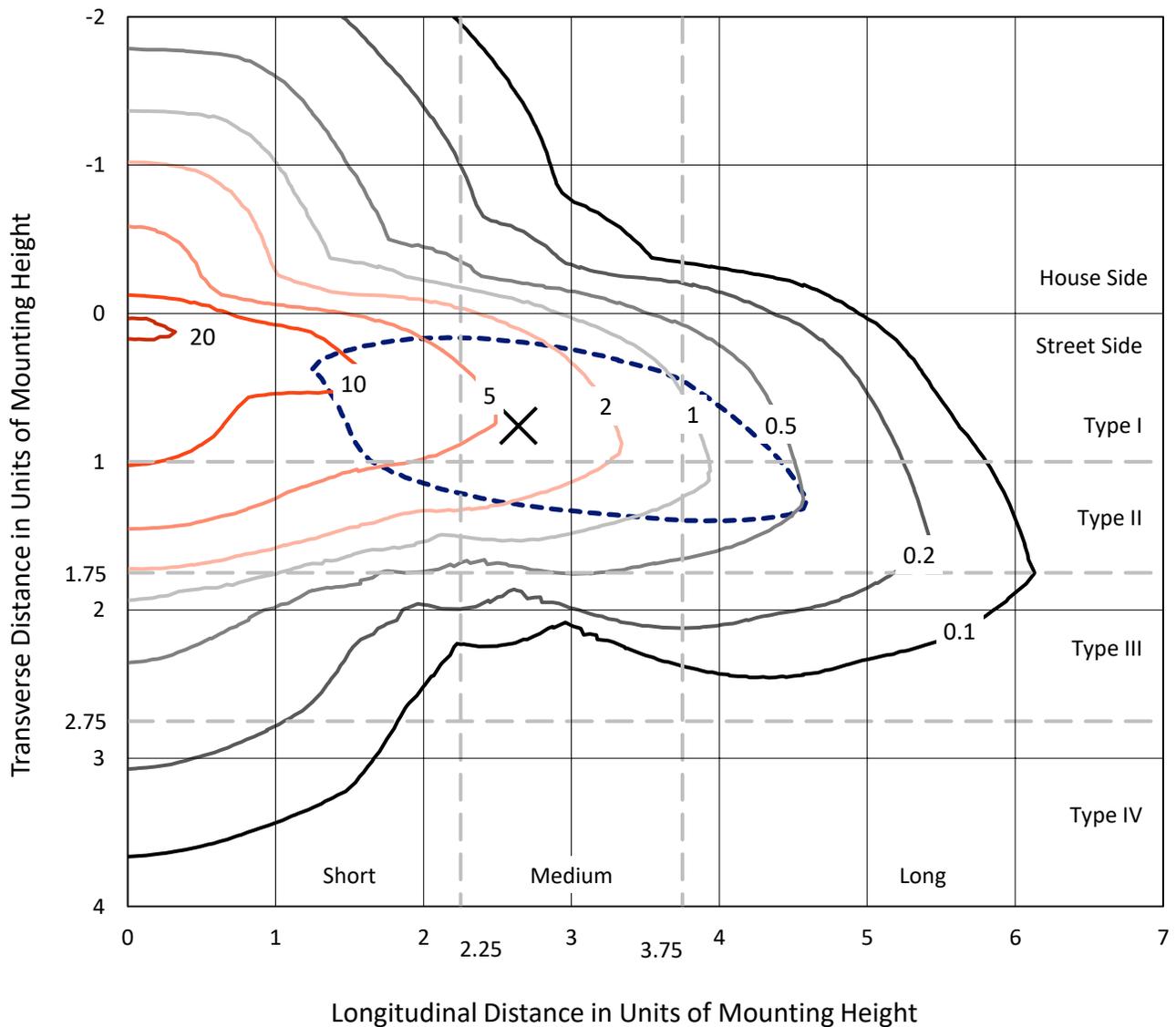


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### Iso-Footcandle Lines of Horizontal Illumination

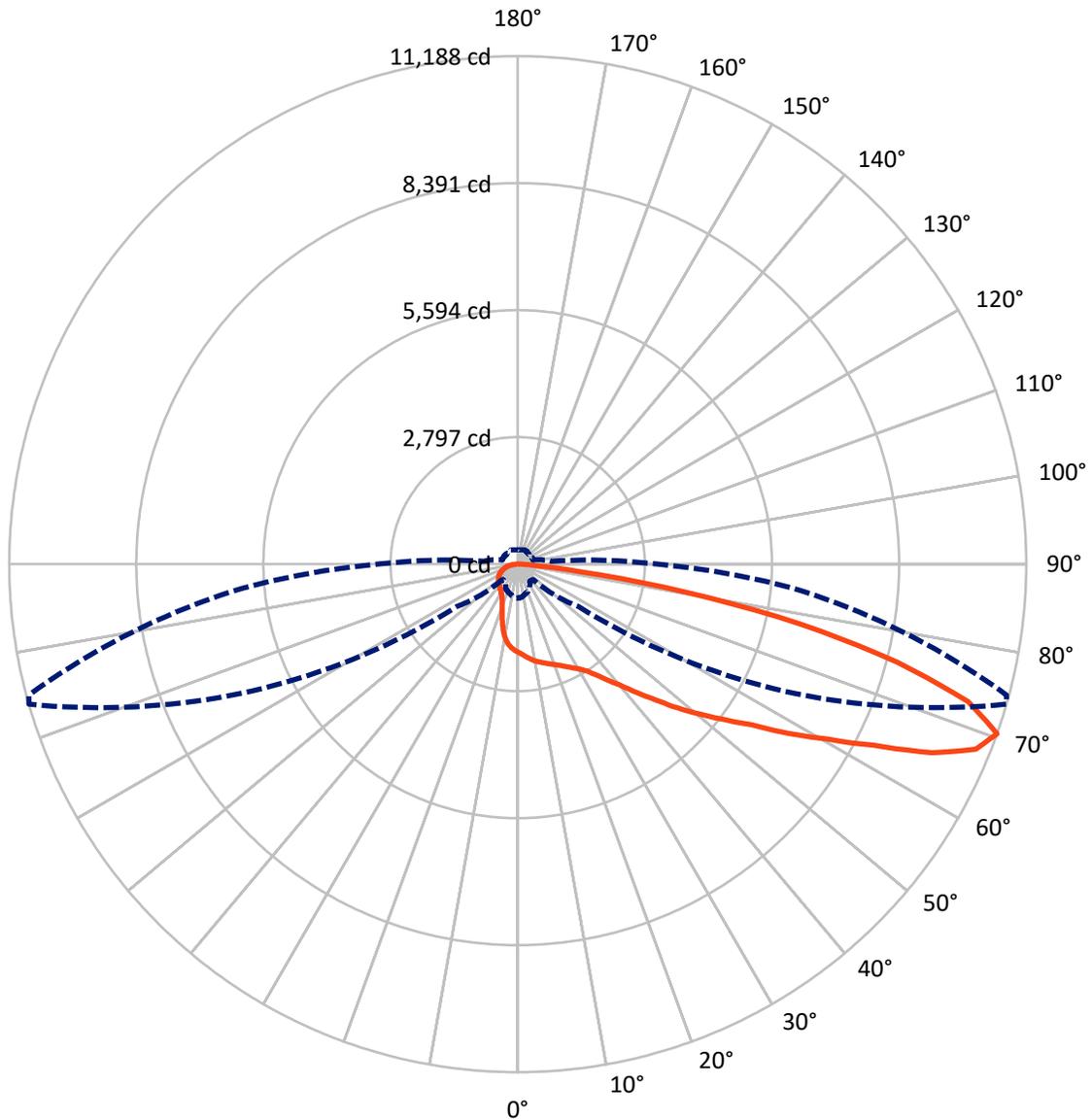
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.6 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	1707.4	0.0	1707.4
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	7620.6	0.0	7620.6
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	9328.0	0.0	9328.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.6	1.8
10°-20°	448.8	4.8
20°-30°	710.6	7.6
30°-40°	1058.9	11.4
40°-50°	1460.2	15.7
50°-60°	1958.3	21.0
60°-70°	2032.3	21.8
70°-80°	1286.0	13.8
80°-90°	202.4	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°	9328.0	100.0
0°-180°	9328.0	100.0



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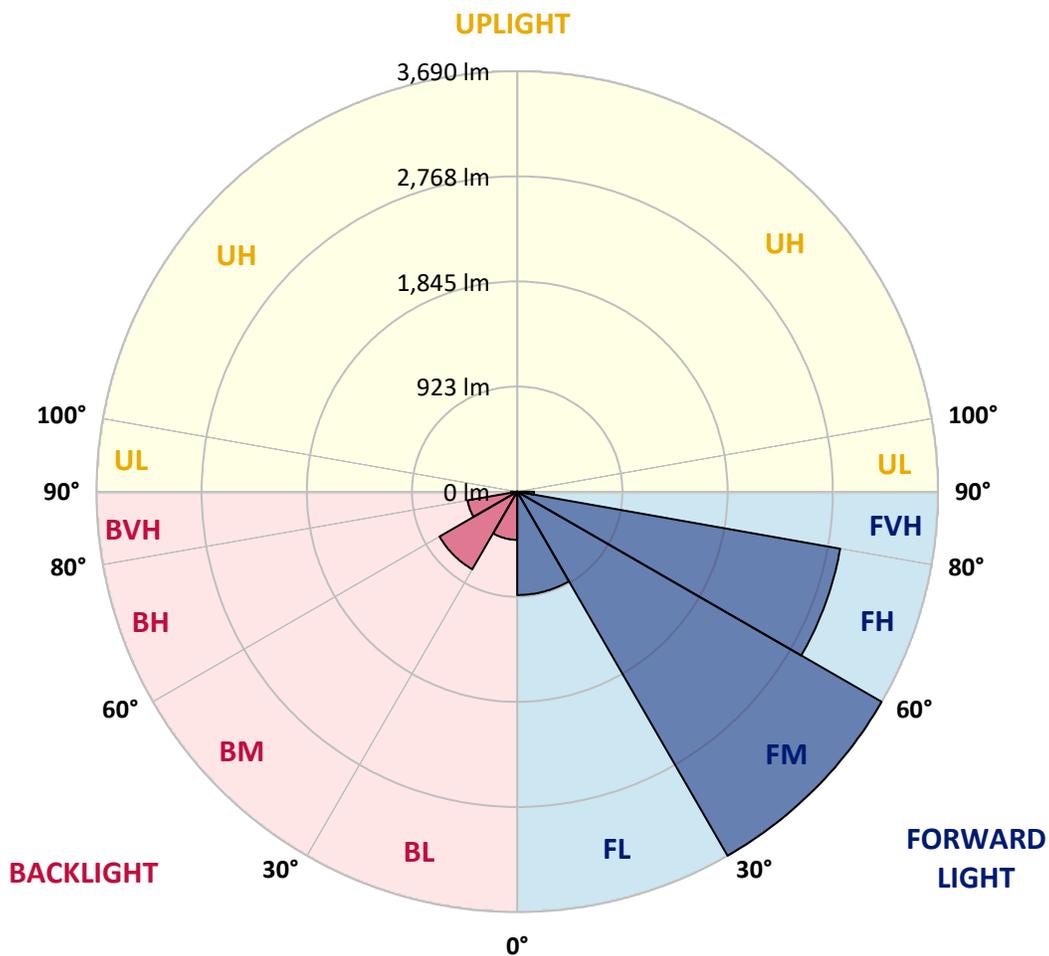
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	907.4	9.7			
FM	(30°-60°)	3690.0	39.6			
FH	(60°-80°)	2876.1	30.8			G2/5000
FVH	(80°-90°)	147.1	1.6			G2/225
BL	(0°-30°)	422.6	4.5	B1/500		
BM	(30°-60°)	787.3	8.4	B1/1000		
BH	(60°-80°)	442.2	4.7	B1/500		G1/500
BVH	(80°-90°)	55.3	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°	1942.4	1942.4	1942.4	1942.4	1942.4	1942.4	1942.4	1942.4	1942.4	1942.4	1942.4
2.5°	2077.1	2073.9	2066.6	2066.6	2063.5	2056.2	2035.3	2013.4	1992.5	1990.4	1963.3
5°	2162.7	2157.4	2156.4	2156.4	2152.2	2144.9	2116.7	2086.5	2056.2	2049.9	2000.9
7.5°	2203.4	2199.2	2200.2	2205.5	2213.8	2207.5	2182.5	2156.4	2115.7	2110.5	2037.4
10°	2181.4	2184.6	2197.1	2226.3	2247.2	2258.7	2237.8	2213.8	2172.1	2165.8	2066.6
12.5°	2042.6	2052.0	2091.7	2166.8	2246.2	2290.0	2289.0	2263.9	2213.8	2208.6	2089.6
15°	1832.8	1821.4	1894.4	2014.4	2158.5	2282.7	2323.4	2311.9	2261.8	2254.5	2116.7
17.5°	1729.5	1730.5	1762.9	1837.0	1995.7	2223.2	2342.2	2359.9	2313.0	2303.6	2147.0
20°	1771.3	1770.2	1773.3	1798.4	1874.6	2102.1	2343.2	2412.1	2363.1	2356.8	2174.1
22.5°	1890.2	1886.1	1876.7	1855.8	1857.9	1994.6	2328.6	2469.5	2426.7	2414.2	2192.9
25°	2056.2	2045.8	2015.5	1968.5	1918.4	1962.3	2291.0	2536.3	2499.8	2486.2	2212.8
27.5°	2245.1	2243.0	2210.7	2120.9	2025.9	2003.0	2248.2	2609.4	2586.4	2567.6	2234.7
30°	2440.3	2428.8	2398.5	2302.5	2182.5	2091.7	2235.7	2689.8	2678.3	2654.3	2252.4
32.5°	2546.8	2541.5	2521.7	2463.3	2358.9	2220.1	2272.3	2772.2	2809.8	2792.0	2291.0
35°	2631.3	2621.9	2601.0	2577.0	2523.8	2389.2	2356.8	2871.4	3006.0	2974.7	2373.5
37.5°	2711.7	2701.2	2686.6	2663.7	2629.2	2550.9	2480.0	3007.1	3254.4	3232.5	2498.7
40°	2801.4	2790.0	2771.2	2755.5	2707.5	2683.5	2595.8	3136.5	3520.6	3510.1	2649.0
42.5°	2869.3	2856.8	2847.4	2836.9	2784.7	2739.9	2686.6	3259.6	3879.6	3853.5	2848.4
45°	2919.4	2912.1	2912.1	2899.5	2865.1	2741.9	2750.3	3424.6	4265.8	4257.5	3124.0
47.5°	2973.7	2964.3	2969.5	2958.0	2947.6	2744.0	2828.6	3644.8	4730.3	4723.0	3431.9
50°	3038.4	3029.0	3049.9	3033.2	3037.3	2806.7	2940.3	3920.3	5189.5	5171.8	3759.6
52.5°	3046.7	3044.6	3096.8	3134.4	3164.7	2949.7	3129.2	4249.1	5691.6	5691.6	4141.6
55°	2877.6	2873.5	2974.7	3134.4	3304.5	3224.2	3479.9	4763.7	6246.9	6261.5	4481.9
57.5°	2337.0	2356.8	2528.0	2842.1	3297.2	3615.6	3998.6	5389.9	7029.7	6981.7	4815.9
60°	1486.3	1515.5	1652.3	2084.4	2804.6	3681.3	4557.0	6185.3	7824.0	7732.1	5257.4
62.5°	982.2	957.1	959.2	1162.7	1804.7	3093.7	4666.6	7127.8	8782.1	8715.3	5649.8
65°	873.6	855.9	767.2	713.9	876.8	1932.0	3968.4	7807.3	10013.8	9826.9	5950.4
67.5°	828.7	811.0	728.5	646.1	552.1	987.4	2820.2	7682.0	10873.8	10755.9	6172.8
70°	750.5	740.0	673.2	609.6	461.3	477.0	1627.2	6743.7	11188.0	11131.6	6071.5
72.5°	652.3	639.8	594.9	551.1	405.0	351.7	780.7	5346.1	10362.4	10358.2	5642.5
75°	534.4	524.0	487.4	472.8	342.4	288.1	443.6	3754.4	8632.9	8587.0	5015.2
77.5°	437.3	422.7	397.7	386.2	283.9	231.7	312.1	2620.9	6371.1	6251.0	3510.1
80°	317.3	307.9	283.9	311.0	224.4	179.5	231.7	1630.3	3743.9	3499.7	1315.1
82.5°	193.1	174.3	196.2	238.0	166.0	128.4	170.1	909.1	1342.3	1179.4	392.5
85°	89.8	91.9	114.8	152.4	99.2	75.2	106.5	397.7	389.3	372.6	164.9
87.5°	14.6	15.7	43.8	66.8	41.8	25.1	42.8	87.7	147.2	151.3	71.0
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°	1942.4	1942.4	1942.4	1942.4	1942.4	1942.4	1942.4	1942.4	1942.4	1942.4	1942.4
2.5°	1946.6	1929.9	1899.6	1866.2	1828.7	1794.2	1779.6	1731.6	1720.1	1717.0	1693.0
5°	1966.4	1929.9	1850.6	1756.6	1647.0	1547.9	1438.3	1350.6	1301.6	1297.4	1303.6
7.5°	1986.3	1928.9	1783.8	1593.8	1399.7	1207.6	1090.7	1021.8	973.8	962.3	965.5
10°	1996.7	1914.2	1681.5	1389.2	1121.0	981.1	914.3	890.3	883.0	876.8	876.8
12.5°	1998.8	1881.9	1545.8	1169.0	957.1	889.3	870.5	864.2	863.2	862.1	860.1
15°	2000.9	1841.2	1372.5	998.9	883.0	861.1	853.8	852.7	854.8	853.8	853.8
17.5°	1998.8	1785.9	1204.5	900.8	855.9	847.5	843.4	842.3	845.4	844.4	843.4
20°	1991.5	1714.9	1040.6	850.7	837.1	835.0	829.8	825.6	829.8	830.8	829.8
22.5°	1963.3	1610.5	922.7	819.3	819.3	819.3	813.1	807.9	815.2	817.3	818.3
25°	1919.5	1485.3	835.0	793.3	798.5	796.4	796.4	795.3	802.6	804.7	805.8
27.5°	1873.5	1354.8	773.4	765.1	773.4	778.6	788.0	789.1	789.1	787.0	785.9
30°	1815.1	1212.8	733.8	740.0	751.5	770.3	787.0	784.9	777.6	770.3	771.3
32.5°	1768.1	1098.0	695.1	718.1	739.0	766.1	780.7	783.9	782.8	770.3	770.3
35°	1750.4	1006.2	669.0	699.3	730.6	755.7	761.9	775.5	773.4	757.8	756.7
37.5°	1761.9	932.1	646.1	679.5	718.1	730.6	744.2	747.3	721.2	704.5	700.4
40°	1786.9	877.8	625.2	654.4	697.2	707.7	726.5	698.3	676.4	662.8	664.9
42.5°	1856.8	854.8	606.4	626.3	665.9	689.9	682.6	674.3	644.0	622.1	620.0
45°	1967.5	853.8	589.7	597.0	630.4	655.5	654.4	645.0	612.7	589.7	586.6
47.5°	2118.8	874.7	572.0	569.9	597.0	612.7	627.3	612.7	579.3	553.2	550.1
50°	2299.4	928.9	555.3	541.7	560.5	584.5	591.8	581.4	550.1	525.0	521.9
52.5°	2516.5	1004.1	540.7	516.7	521.9	555.3	572.0	562.6	527.1	500.0	495.8
55°	2727.3	1075.1	520.8	490.6	482.2	528.1	554.2	553.2	501.0	472.8	470.7
57.5°	2943.4	1141.9	498.9	468.6	455.1	498.9	535.4	539.6	473.9	443.6	443.6
60°	3162.6	1188.8	471.8	445.7	438.4	466.6	507.3	508.3	449.9	426.9	429.0
62.5°	3342.1	1160.7	444.6	423.8	418.5	435.2	476.0	485.3	447.8	422.7	424.8
65°	3418.3	1066.7	414.4	402.9	394.5	400.8	438.4	449.9	410.2	382.0	385.1
67.5°	3369.2	930.0	384.1	378.9	367.4	365.3	389.3	396.6	367.4	349.7	347.6
70°	3078.0	742.1	347.6	347.6	337.1	327.7	340.3	346.5	323.6	313.1	315.2
72.5°	2663.7	603.3	312.1	316.3	301.6	289.1	296.4	299.6	286.0	280.8	278.7
75°	2304.6	504.1	276.6	282.9	267.2	247.4	255.7	255.7	244.2	243.2	242.2
77.5°	1680.4	378.9	238.0	245.3	232.8	207.7	209.8	210.8	206.7	206.7	207.7
80°	719.1	231.7	194.1	205.6	193.1	162.8	169.1	169.1	179.5	205.6	201.4
82.5°	239.0	137.8	147.2	161.8	148.2	121.1	128.4	137.8	177.4	170.1	161.8
85°	102.3	76.2	93.9	102.3	95.0	73.1	83.5	144.0	131.5	127.3	128.4
87.5°	34.4	32.4	39.7	47.0	33.4	23.0	42.8	87.7	85.6	64.7	62.6
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)