

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: P1209504

Luminaire Tested: UPW-SA2-130-730-U-SL4

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209504  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-130-730-U-SL4  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14390 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 129  
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

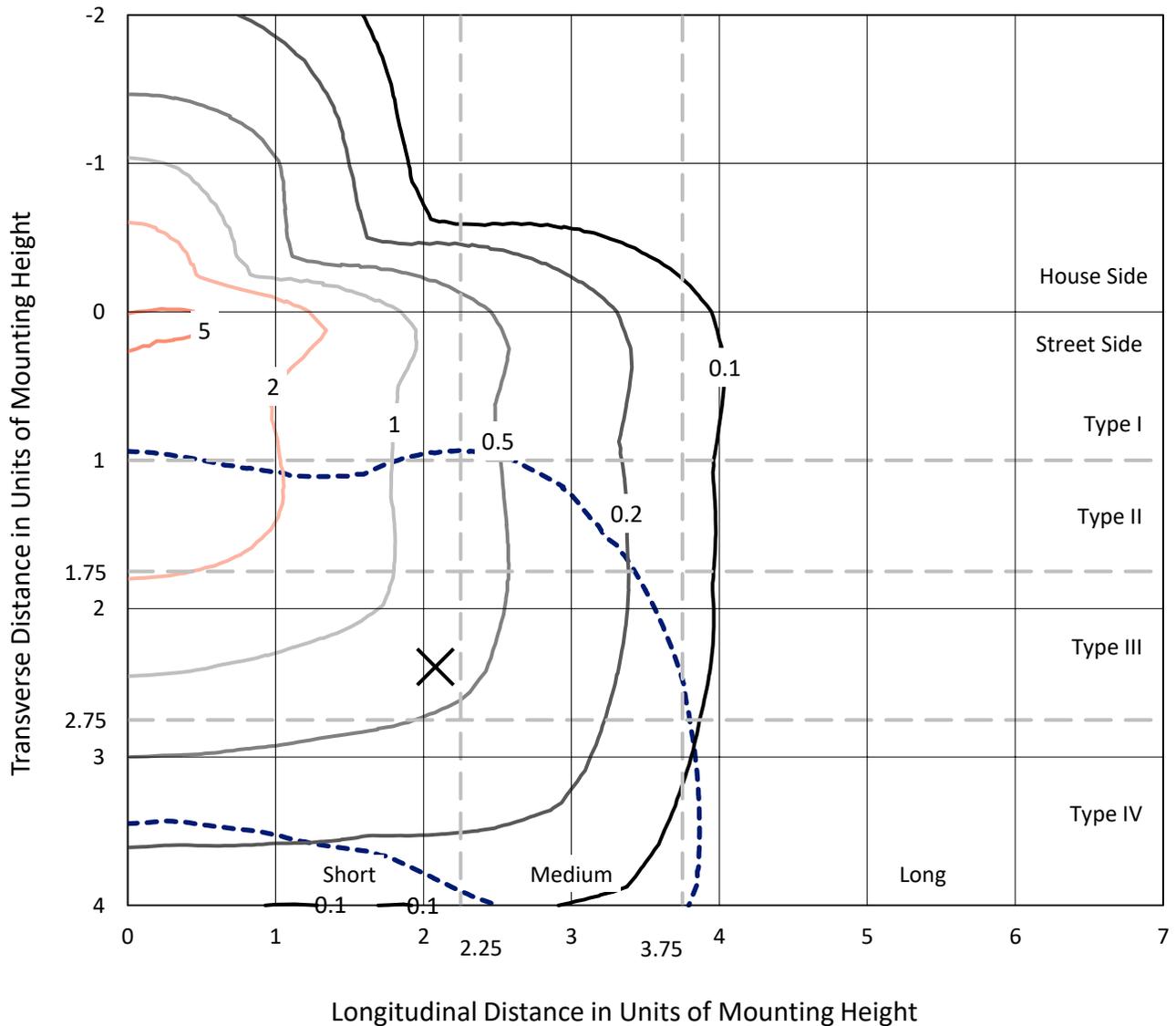


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

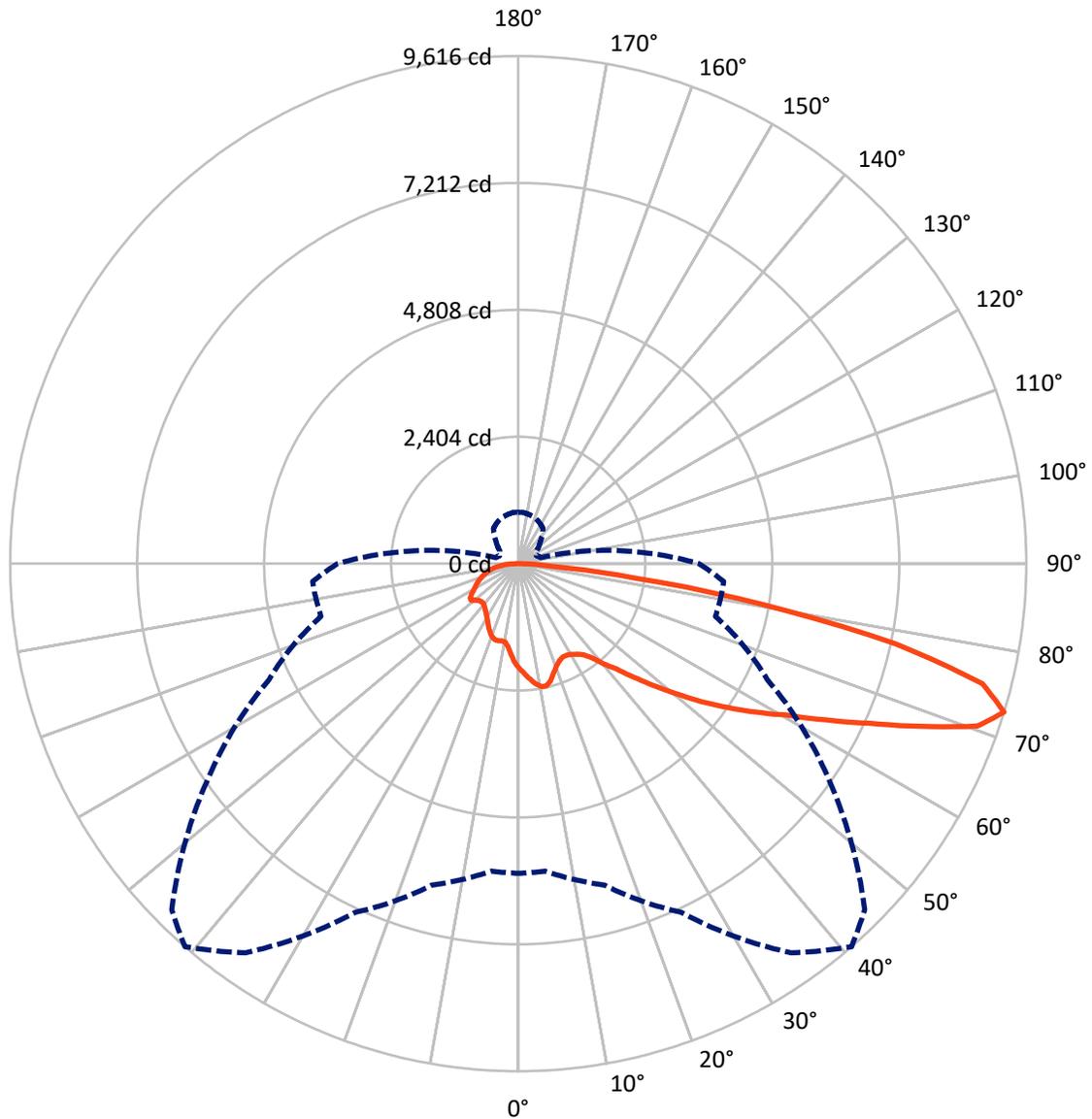


Based on 20 foot mounting height. Maximum calculated value = 5.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3113.8	0.0	3113.8
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	11276.2	0.0	11276.2
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	14390.0	0.0	14390.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	188.7	1.3
10°-20°	568.3	3.9
20°-30°	873.5	6.1
30°-40°	1200.8	8.3
40°-50°	1829.7	12.7
50°-60°	2702.0	18.8
60°-70°	3548.5	24.7
70°-80°	3040.4	21.1
80°-90°	438.1	3.0
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°	14390.0	100.0
0°-180°	14390.0	100.0

**Coefficient of Utilization**



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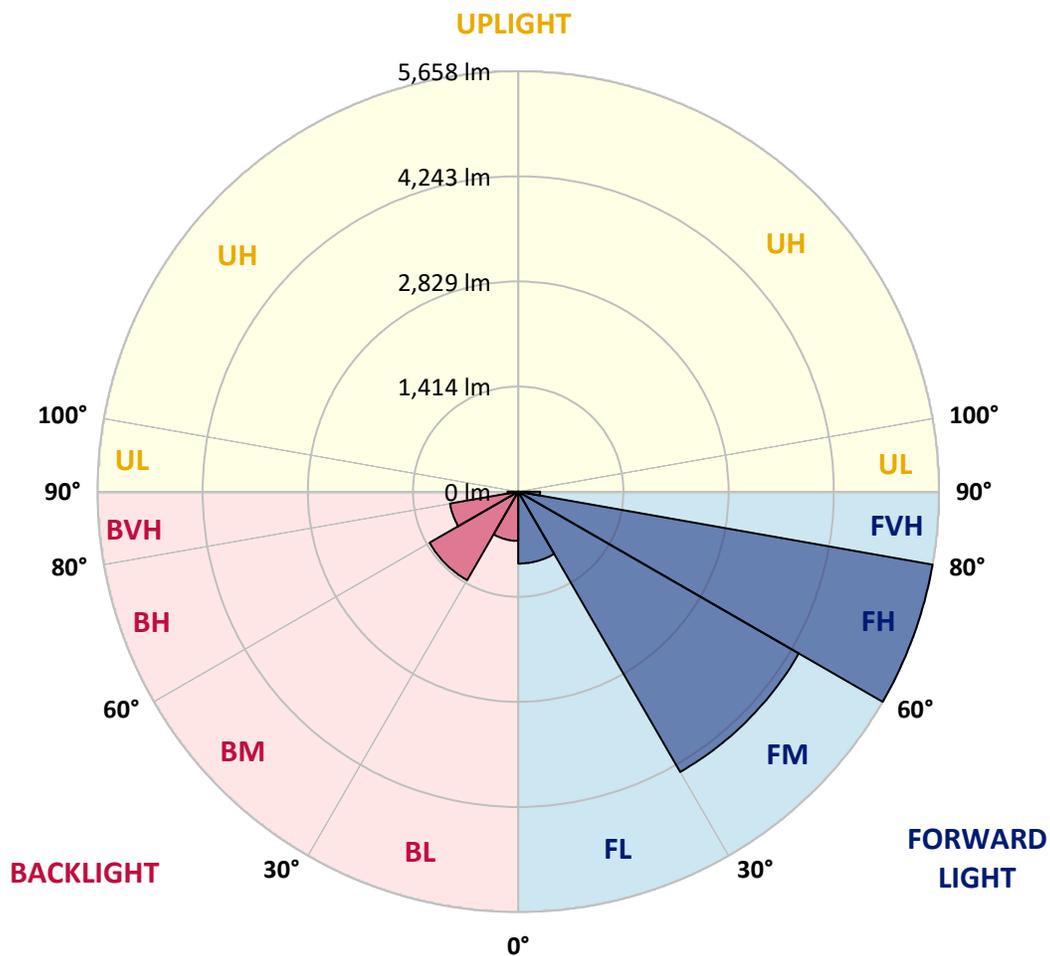
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	967.8	6.7			
FM (30°-60°)	4356.3	30.3			
FH (60°-80°)	5657.9	39.3			G3/7500
FVH (80°-90°)	294.2	2.0			G3/500
BL (0°-30°)	662.7	4.6	B2/1000		
BM (30°-60°)	1376.2	9.6	B2/2500		
BH (60°-80°)	931.1	6.5	B2/1000		G2/1000
BVH (80°-90°)	143.8	1.0			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	1977.9	1977.9	1977.9	1977.9	1977.9	1977.9	1977.9	1977.9	1977.9	1977.9	1977.9
2.5°	2106.0	2099.7	2099.7	2095.0	2087.0	2076.0	2074.4	2060.1	2045.9	2025.3	2004.8
5°	2227.9	2218.4	2215.2	2208.9	2201.0	2185.1	2186.7	2161.4	2131.3	2091.8	2050.7
7.5°	2314.9	2308.6	2307.0	2308.6	2297.5	2289.6	2289.6	2259.5	2229.5	2186.7	2123.4
10°	2345.0	2337.0	2343.4	2357.6	2368.7	2367.1	2375.0	2363.9	2341.8	2305.4	2216.8
12.5°	2291.2	2291.2	2294.3	2313.3	2349.7	2378.2	2403.5	2449.4	2470.0	2438.3	2327.6
15°	2208.9	2204.1	2199.4	2207.3	2251.6	2299.1	2352.9	2476.3	2566.5	2564.9	2444.6
17.5°	2159.8	2156.7	2123.4	2091.8	2115.5	2170.9	2238.9	2436.7	2628.2	2680.4	2561.7
20°	2131.3	2125.0	2085.5	2022.2	2012.7	2069.6	2121.9	2356.0	2637.7	2791.2	2672.5
22.5°	2107.6	2104.4	2053.8	1970.0	1946.2	1993.7	2047.5	2257.9	2602.9	2864.0	2770.6
25°	2118.7	2112.4	2049.1	1949.4	1920.9	1960.5	2007.9	2180.4	2541.2	2905.1	2849.7
27.5°	2172.5	2172.5	2088.6	1970.0	1933.6	1960.5	1996.9	2137.7	2474.7	2916.2	2922.5
30°	2295.9	2291.2	2185.1	2041.2	1982.6	1993.7	2019.0	2123.4	2409.8	2895.6	2970.0
32.5°	2512.7	2496.9	2365.5	2169.3	2055.4	2044.3	2049.1	2113.9	2343.4	2859.2	3015.9
35°	2906.7	2864.0	2663.0	2395.6	2185.1	2117.1	2098.1	2123.4	2303.8	2833.9	3058.6
37.5°	3432.0	3371.9	3123.4	2745.3	2409.8	2264.3	2199.4	2169.3	2297.5	2803.8	3099.7
40°	3932.0	3895.6	3601.3	3159.8	2701.0	2496.9	2390.8	2238.9	2305.4	2784.8	3156.7
42.5°	4569.7	4511.1	4169.3	3595.0	3020.6	2726.3	2572.8	2332.3	2356.0	2797.5	3221.5
45°	5256.4	5245.3	4819.7	4129.8	3419.3	3066.5	2871.9	2507.9	2454.1	2848.1	3318.1
47.5°	5998.5	5947.8	5501.6	4751.6	3871.9	3447.8	3207.3	2710.5	2595.0	2933.6	3446.2
50°	6629.8	6593.4	6134.6	5326.0	4365.5	3865.5	3585.5	2955.7	2770.6	3049.1	3580.7
52.5°	6966.8	6939.9	6658.3	5930.4	4871.9	4338.6	3935.2	3212.1	2990.5	3193.1	3727.9
55°	6886.1	6870.3	6868.7	6386.1	5424.1	4814.9	4333.9	3485.8	3243.7	3365.5	3901.9
57.5°	6864.0	6837.1	6851.3	6701.0	5949.4	5307.0	4776.9	3826.0	3560.2	3572.8	4083.9
60°	6886.1	6870.3	6951.0	6895.6	6443.1	5822.8	5292.8	4239.0	3890.9	3784.8	4246.9
62.5°	7091.8	7053.9	7117.2	7234.2	6981.1	6522.2	5944.7	4731.1	4258.0	3944.7	4373.5
65°	7406.7	7335.5	7356.1	7652.0	7615.6	7284.9	6718.4	5371.9	4602.9	4072.8	4432.0
67.5°	7496.9	7473.2	7527.0	7905.1	8283.3	8226.3	7699.4	6079.2	4939.9	4145.6	4365.5
70°	7125.1	7095.0	7335.5	7919.4	8940.0	9218.4	8729.5	6761.1	5227.9	4118.7	4213.6
72.5°	5865.6	5846.6	6303.9	7288.0	9000.1	9615.6	9273.8	7194.7	5204.2	3864.0	3905.1
75°	3794.3	3731.0	4465.2	5731.1	8076.0	9072.9	8830.8	6648.8	4558.6	3435.2	3364.0
77.5°	1341.8	1507.9	1928.8	3408.3	6136.1	7302.3	6897.2	4987.4	3367.1	2517.4	2370.3
80°	468.4	492.1	615.5	1276.9	3319.7	4677.3	4351.3	2890.8	1799.1	1311.7	1257.9
82.5°	275.3	288.0	322.8	468.4	1221.5	2221.5	1854.4	1213.6	658.2	563.3	493.7
85°	93.4	99.7	167.7	240.5	433.5	642.4	577.5	311.7	254.7	227.9	147.2
87.5°	19.0	22.2	36.4	79.1	145.6	164.6	125.0	76.0	106.0	106.0	50.6
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°	1977.9	1977.9	1977.9	1977.9	1977.9	1977.9	1977.9	1977.9	1977.9	1977.9	1977.9
2.5°	1990.5	1976.3	1951.0	1927.2	1901.9	1882.9	1859.2	1840.2	1843.4	1832.3	1829.1
5°	2023.8	1993.7	1933.6	1870.3	1805.4	1743.7	1691.5	1648.7	1625.0	1612.4	1610.8
7.5°	2077.6	2031.7	1924.1	1808.6	1686.7	1602.9	1547.5	1520.6	1517.4	1514.3	1509.5
10°	2161.4	2088.6	1920.9	1735.8	1582.3	1509.5	1500.0	1519.0	1545.9	1560.1	1560.1
12.5°	2250.0	2156.7	1919.3	1661.4	1501.6	1477.9	1520.6	1574.4	1618.7	1639.3	1636.1
15°	2345.0	2224.7	1895.6	1577.5	1444.6	1479.4	1553.8	1612.4	1658.2	1677.2	1678.8
17.5°	2446.2	2286.4	1856.0	1485.8	1403.5	1476.3	1552.2	1602.9	1644.0	1658.2	1655.1
20°	2533.3	2341.8	1800.6	1392.4	1367.1	1446.2	1514.3	1552.2	1576.0	1579.1	1579.1
22.5°	2604.5	2381.4	1720.0	1305.4	1316.5	1394.0	1446.2	1466.8	1476.3	1481.0	1479.4
25°	2674.1	2408.3	1628.2	1224.7	1256.3	1324.4	1362.4	1381.3	1387.7	1392.4	1395.6
27.5°	2721.5	2420.9	1520.6	1136.1	1186.7	1245.3	1281.7	1300.6	1314.9	1324.4	1324.4
30°	2754.8	2413.0	1408.2	1069.6	1126.6	1175.6	1218.4	1243.7	1264.3	1275.3	1276.9
32.5°	2786.4	2403.5	1294.3	1003.2	1066.5	1118.7	1167.7	1205.7	1234.2	1246.8	1251.6
35°	2810.2	2382.9	1174.1	952.5	1011.1	1066.5	1121.8	1169.3	1205.7	1227.9	1232.6
37.5°	2833.9	2362.4	1063.3	898.7	963.6	1023.7	1087.0	1132.9	1175.6	1205.7	1215.2
40°	2867.1	2348.1	965.2	851.3	927.2	993.7	1050.6	1104.4	1153.5	1180.4	1189.9
42.5°	2913.0	2338.6	881.3	816.5	898.7	974.7	1034.8	1104.4	1164.6	1177.2	1183.6
45°	2974.7	2338.6	813.3	788.0	884.5	974.7	1049.1	1125.0	1172.5	1167.7	1172.5
47.5°	3042.7	2338.6	759.5	762.7	878.2	987.4	1071.2	1163.0	1213.6	1227.9	1237.4
50°	3137.7	2338.6	716.8	740.5	867.1	1007.9	1145.6	1238.9	1269.0	1273.7	1276.9
52.5°	3242.1	2359.2	685.1	718.4	863.9	1074.4	1204.1	1235.8	1234.2	1219.9	1218.4
55°	3367.1	2395.6	656.7	693.0	875.0	1087.0	1166.2	1175.6	1145.6	1118.7	1112.4
57.5°	3493.7	2441.5	628.2	661.4	830.7	1009.5	1104.4	1096.5	1094.9	1080.7	1079.1
60°	3632.9	2493.7	596.5	609.2	742.1	935.1	1020.6	1082.3	1099.7	1085.5	1082.3
62.5°	3735.8	2553.8	563.3	552.2	666.1	868.7	990.5	1068.0	1101.3	1101.3	1099.7
65°	3784.8	2583.9	531.7	500.0	601.3	799.1	962.0	1028.5	1069.6	1080.7	1077.5
67.5°	3727.9	2542.7	507.9	455.7	539.6	727.9	916.1	977.9	1031.7	1049.1	1047.5
70°	3629.8	2509.5	488.9	409.8	485.8	651.9	870.3	936.7	990.5	1020.6	1017.4
72.5°	3416.2	2392.4	441.5	370.3	425.6	591.8	814.9	892.4	943.0	976.3	974.7
75°	2932.0	2102.9	368.7	333.9	360.8	533.2	754.8	841.8	878.2	909.8	908.2
77.5°	2161.4	1580.7	289.6	281.6	302.2	471.5	678.8	764.2	792.7	816.5	811.7
80°	1139.3	925.6	227.9	231.0	250.0	406.6	602.9	667.7	691.5	704.1	694.6
82.5°	496.8	400.3	169.3	183.5	196.2	326.0	496.8	553.8	569.6	560.1	533.2
85°	158.2	109.2	101.3	120.3	132.9	216.8	386.1	430.4	457.3	428.8	422.5
87.5°	39.6	36.4	42.7	61.7	69.6	120.3	262.7	272.2	308.5	94.9	88.6
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)