

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: P1209558

Luminaire Tested: UPW-SA2-130-740-U-SL4

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209558  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-130-740-U-SL4  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 4000K, 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: 15802 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - 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

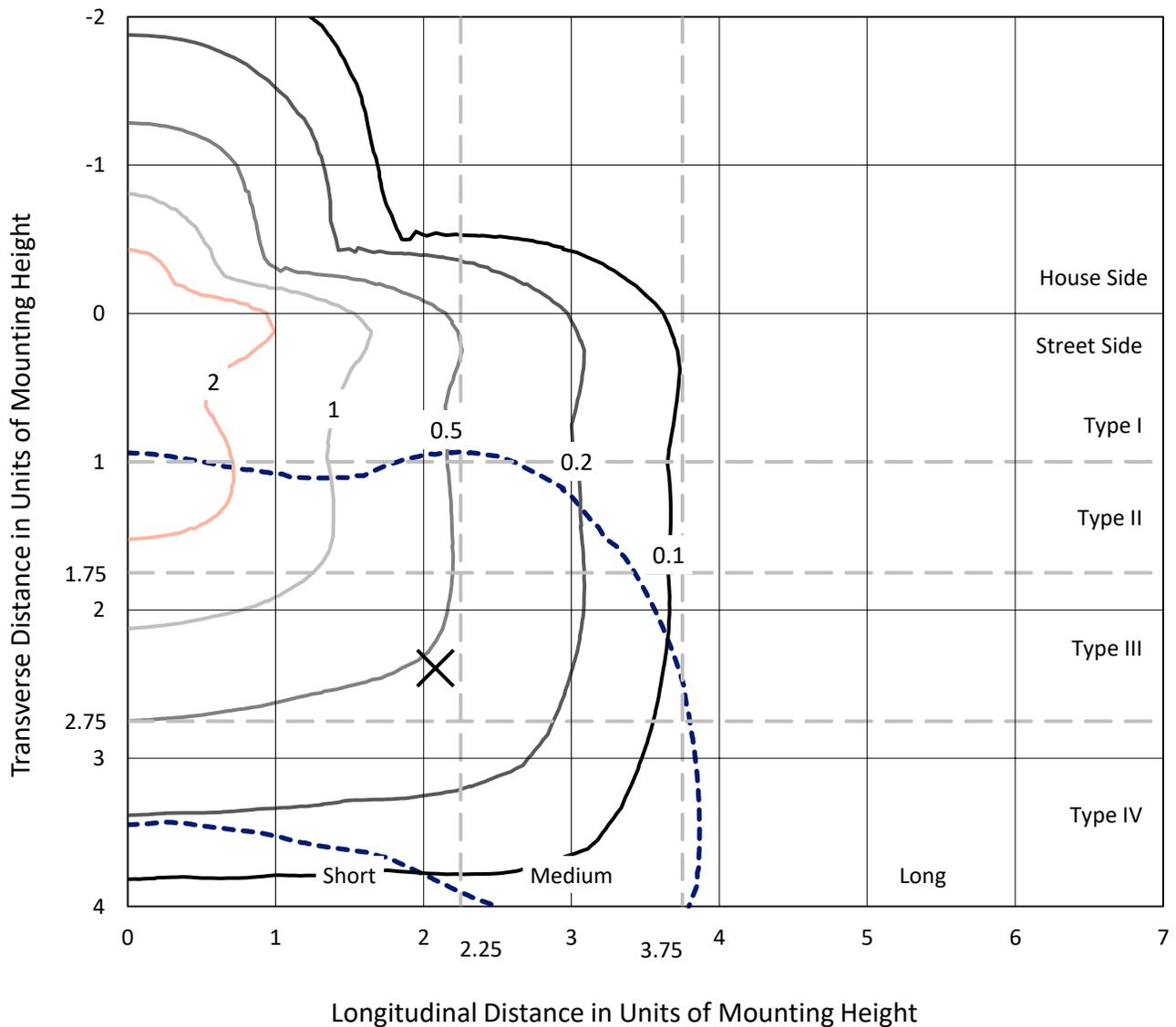


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

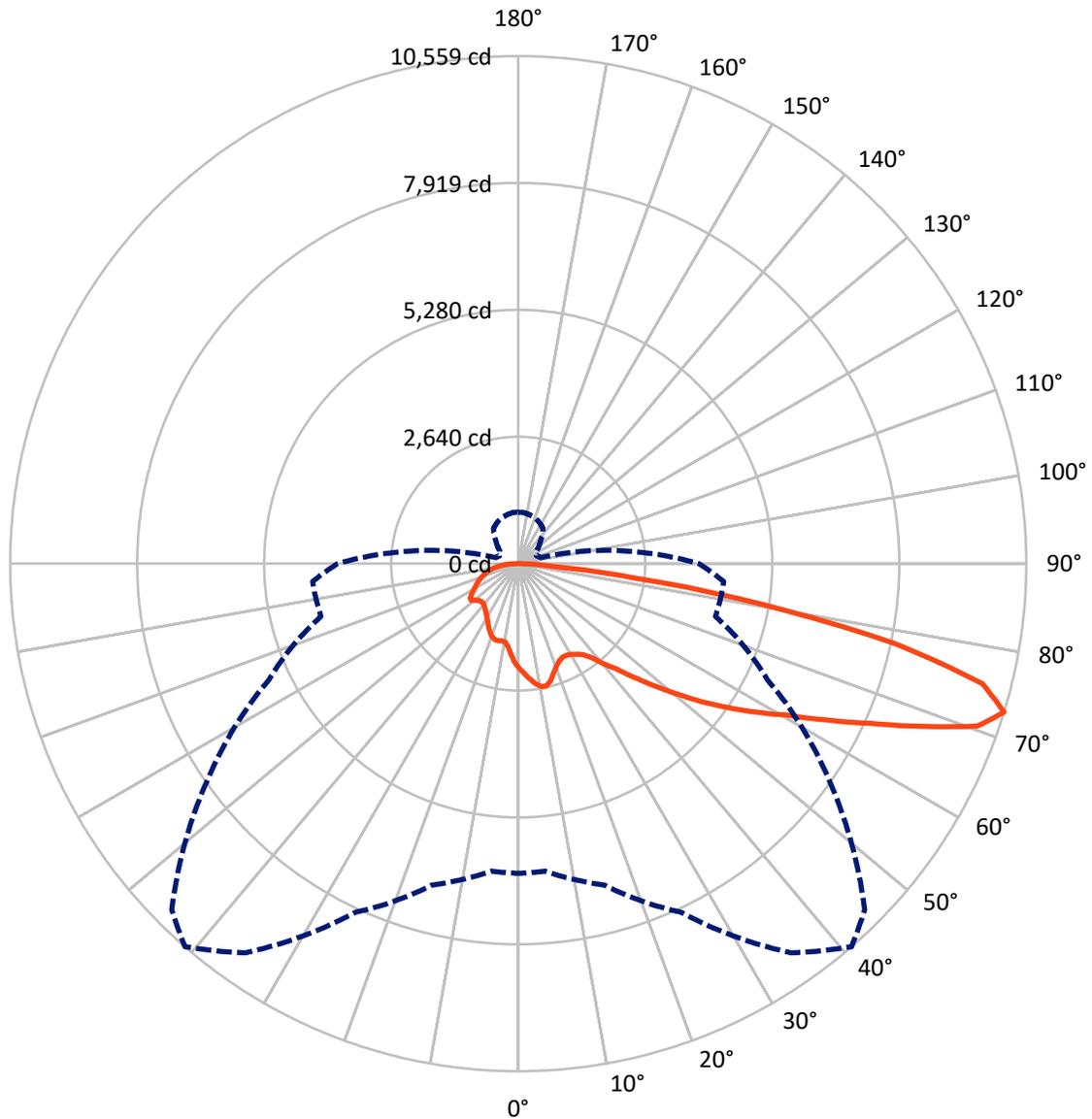


Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type IV - Short - N/A

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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	3419.3	0.0	3419.3
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	12382.7	0.0	12382.7
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	15802.0	0.0	15802.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.2	1.3
10°-20°	624.1	3.9
20°-30°	959.2	6.1
30°-40°	1318.6	8.3
40°-50°	2009.2	12.7
50°-60°	2967.2	18.8
60°-70°	3896.7	24.7
70°-80°	3338.7	21.1
80°-90°	481.1	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°	15802.0	100.0
0°-180°	15802.0	100.0

**Coefficient of Utilization**



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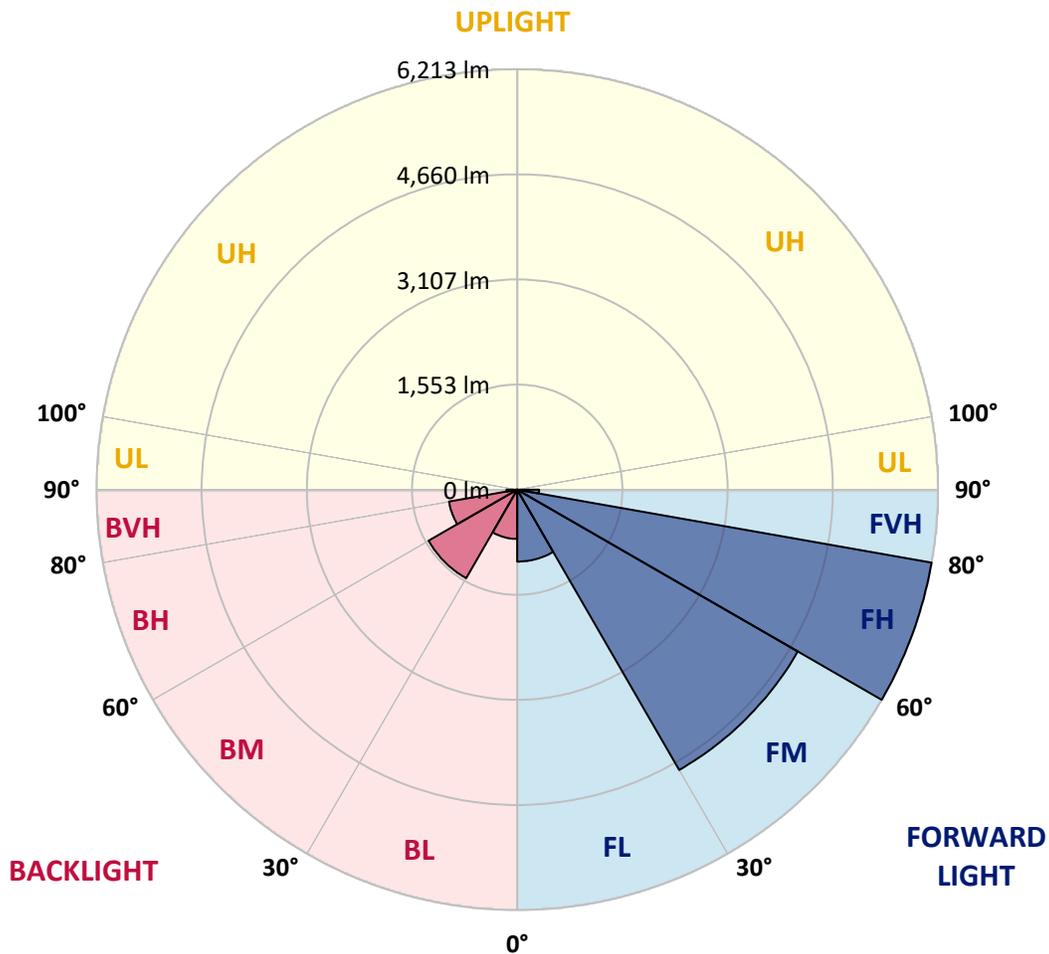
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1062.7	6.7			
FM (30°-60°)	4783.8	30.3			
FH (60°-80°)	6213.0	39.3			G3/7500
FVH (80°-90°)	323.1	2.0			G3/500
BL (0°-30°)	727.7	4.6	B2/1000		
BM (30°-60°)	1511.2	9.6	B2/2500		
BH (60°-80°)	1022.4	6.5	B3/2500		G3/2500
BVH (80°-90°)	158.0	1.0			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	2171.9	2171.9	2171.9	2171.9	2171.9	2171.9	2171.9	2171.9	2171.9	2171.9	2171.9
2.5°	2312.7	2305.7	2305.7	2300.5	2291.8	2279.7	2277.9	2262.3	2246.7	2224.1	2201.5
5°	2446.5	2436.1	2432.6	2425.6	2416.9	2399.6	2401.3	2373.5	2340.5	2297.0	2251.9
7.5°	2542.0	2535.1	2533.4	2535.1	2522.9	2514.2	2514.2	2481.2	2448.2	2401.3	2331.8
10°	2575.1	2566.4	2573.3	2589.0	2601.1	2599.4	2608.1	2595.9	2571.6	2531.6	2434.3
12.5°	2516.0	2516.0	2519.5	2540.3	2580.3	2611.5	2639.3	2689.7	2712.3	2677.6	2555.9
15°	2425.6	2420.4	2415.2	2423.9	2472.5	2524.7	2583.7	2719.3	2818.3	2816.6	2684.5
17.5°	2371.8	2368.3	2331.8	2297.0	2323.1	2383.9	2458.6	2675.8	2886.1	2943.4	2813.1
20°	2340.5	2333.5	2290.1	2220.6	2210.2	2272.7	2330.1	2587.2	2896.5	3065.0	2934.7
22.5°	2314.4	2310.9	2255.3	2163.3	2137.2	2189.3	2248.4	2479.5	2858.3	3145.0	3042.5
25°	2326.6	2319.6	2250.1	2140.7	2109.4	2152.8	2205.0	2394.3	2790.5	3190.1	3129.3
27.5°	2385.7	2385.7	2293.6	2163.3	2123.3	2152.8	2192.8	2347.4	2717.5	3202.3	3209.3
30°	2521.2	2516.0	2399.6	2241.4	2177.2	2189.3	2217.1	2331.8	2646.3	3179.7	3261.4
32.5°	2759.2	2741.9	2597.6	2382.2	2257.1	2244.9	2250.1	2321.4	2573.3	3139.8	3311.8
35°	3191.9	3145.0	2924.3	2630.7	2399.6	2324.8	2304.0	2331.8	2529.9	3112.0	3358.7
37.5°	3768.8	3702.7	3429.9	3014.7	2646.3	2486.4	2415.2	2382.2	2522.9	3078.9	3403.9
40°	4317.8	4277.9	3954.7	3469.9	2966.0	2741.9	2625.4	2458.6	2531.6	3058.1	3466.4
42.5°	5018.1	4953.8	4578.5	3947.7	3317.0	2993.8	2825.3	2561.2	2587.2	3072.0	3537.7
45°	5772.2	5760.0	5292.6	4535.0	3754.9	3367.4	3153.7	2754.0	2694.9	3127.6	3643.7
47.5°	6587.1	6531.5	6041.5	5217.9	4251.8	3786.1	3522.0	2976.4	2849.6	3221.4	3784.4
50°	7280.3	7240.4	6736.5	5848.6	4793.9	4244.8	3937.3	3245.8	3042.5	3348.3	3932.1
52.5°	7650.4	7620.9	7311.6	6512.4	5349.9	4764.4	4321.3	3527.2	3284.0	3506.4	4093.7
55°	7561.8	7544.5	7542.7	7012.8	5956.3	5287.4	4759.2	3827.8	3562.0	3695.8	4284.8
57.5°	7537.5	7508.0	7523.6	7358.5	6533.2	5827.8	5245.7	4201.4	3909.5	3923.4	4484.6
60°	7561.8	7544.5	7633.1	7572.3	7075.3	6394.2	5812.1	4654.9	4272.6	4156.2	4663.6
62.5°	7787.7	7746.0	7815.5	7944.1	7666.1	7162.2	6528.0	5195.3	4675.8	4331.7	4802.6
65°	8133.5	8055.3	8077.9	8402.8	8362.8	7999.7	7377.7	5899.0	5054.5	4472.5	4866.9
67.5°	8232.5	8206.5	8265.5	8680.8	9096.1	9033.5	8454.9	6675.7	5424.6	4552.4	4793.9
70°	7824.2	7791.2	8055.3	8696.5	9817.2	10123.0	9586.1	7424.6	5740.9	4522.9	4627.1
72.5°	6441.1	6420.3	6922.4	8003.2	9883.2	10559.1	10183.8	7900.7	5714.8	4243.1	4288.3
75°	4166.7	4097.2	4903.4	6293.4	8868.5	9963.1	9697.3	7301.2	5005.9	3772.2	3694.0
77.5°	1473.4	1655.9	2118.1	3742.7	6738.2	8018.8	7574.0	5476.8	3697.5	2764.4	2602.9
80°	514.3	540.4	675.9	1402.2	3645.4	5136.2	4778.3	3174.5	1975.6	1440.4	1381.4
82.5°	302.3	316.2	354.5	514.3	1341.4	2439.5	2036.4	1332.7	722.8	618.6	542.1
85°	102.5	109.5	184.2	264.1	476.1	705.4	634.2	342.3	279.7	250.2	161.6
87.5°	20.9	24.3	40.0	86.9	159.9	180.7	137.3	83.4	116.4	116.4	55.6
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°	2171.9	2171.9	2171.9	2171.9	2171.9	2171.9	2171.9	2171.9	2171.9	2171.9	2171.9
2.5°	2185.8	2170.2	2142.4	2116.3	2088.5	2067.7	2041.6	2020.8	2024.3	2012.1	2008.6
5°	2222.3	2189.3	2123.3	2053.8	1982.5	1914.8	1857.4	1810.5	1784.5	1770.6	1768.8
7.5°	2281.4	2231.0	2112.9	1986.0	1852.2	1760.1	1699.3	1669.8	1666.3	1662.8	1657.6
10°	2373.5	2293.6	2109.4	1906.1	1737.6	1657.6	1647.2	1668.1	1697.6	1713.2	1713.2
12.5°	2470.8	2368.3	2107.7	1824.4	1648.9	1622.9	1669.8	1728.9	1777.5	1800.1	1796.6
15°	2575.1	2443.0	2081.6	1732.3	1586.4	1624.6	1706.3	1770.6	1821.0	1841.8	1843.5
17.5°	2686.3	2510.8	2038.2	1631.6	1541.2	1621.1	1704.5	1760.1	1805.3	1821.0	1817.5
20°	2781.8	2571.6	1977.3	1529.0	1501.2	1588.1	1662.8	1704.5	1730.6	1734.1	1734.1
22.5°	2860.0	2615.0	1888.7	1433.5	1445.6	1530.8	1588.1	1610.7	1621.1	1626.4	1624.6
25°	2936.5	2644.6	1787.9	1344.9	1379.6	1454.3	1496.0	1516.9	1523.8	1529.0	1532.5
27.5°	2988.6	2658.5	1669.8	1247.6	1303.2	1367.5	1407.4	1428.3	1443.9	1454.3	1454.3
30°	3025.1	2649.8	1546.4	1174.6	1237.1	1291.0	1337.9	1365.7	1388.3	1400.5	1402.2
32.5°	3059.8	2639.3	1421.3	1101.6	1171.1	1228.5	1282.3	1324.0	1355.3	1369.2	1374.4
35°	3085.9	2616.8	1289.3	1046.0	1110.3	1171.1	1231.9	1284.1	1324.0	1348.3	1353.6
37.5°	3112.0	2594.2	1167.6	986.9	1058.2	1124.2	1193.7	1244.1	1291.0	1324.0	1334.4
40°	3148.4	2578.5	1059.9	934.8	1018.2	1091.2	1153.7	1212.8	1266.7	1296.2	1306.6
42.5°	3198.8	2568.1	967.8	896.6	986.9	1070.3	1136.4	1212.8	1278.8	1292.7	1299.7
45°	3266.6	2568.1	893.1	865.3	971.3	1070.3	1152.0	1235.4	1287.5	1282.3	1287.5
47.5°	3341.3	2568.1	834.0	837.5	964.3	1084.2	1176.3	1277.1	1332.7	1348.3	1358.8
50°	3445.6	2568.1	787.1	813.2	952.2	1106.8	1258.0	1360.5	1393.5	1398.7	1402.2
52.5°	3560.2	2590.7	752.4	788.8	948.7	1179.8	1322.3	1357.0	1355.3	1339.7	1337.9
55°	3697.5	2630.7	721.1	761.0	960.9	1193.7	1280.6	1291.0	1258.0	1228.5	1221.5
57.5°	3836.5	2681.0	689.8	726.3	912.2	1108.6	1212.8	1204.1	1202.4	1186.7	1185.0
60°	3989.4	2738.4	655.1	669.0	814.9	1026.9	1120.7	1188.5	1207.6	1192.0	1188.5
62.5°	4102.4	2804.4	618.6	606.4	731.5	953.9	1087.7	1172.8	1209.3	1209.3	1207.6
65°	4156.2	2837.4	583.8	549.1	660.3	877.5	1056.4	1129.4	1174.6	1186.7	1183.3
67.5°	4093.7	2792.2	557.8	500.4	592.5	799.3	1006.0	1073.8	1132.9	1152.0	1150.3
70°	3985.9	2755.8	536.9	450.0	533.4	715.9	955.7	1028.6	1087.7	1120.7	1117.2
72.5°	3751.4	2627.2	484.8	406.6	467.4	649.8	894.8	980.0	1035.6	1072.1	1070.3
75°	3219.7	2309.2	404.9	366.6	396.2	585.6	828.8	924.4	964.3	999.1	997.4
77.5°	2373.5	1735.8	318.0	309.3	331.9	517.8	745.4	839.2	870.5	896.6	891.4
80°	1251.0	1016.5	250.2	253.7	274.5	446.6	662.0	733.2	759.3	773.2	762.8
82.5°	545.6	439.6	185.9	201.6	215.5	357.9	545.6	608.1	625.5	615.1	585.6
85°	173.8	119.9	111.2	132.1	146.0	238.0	424.0	472.6	502.2	470.9	463.9
87.5°	43.4	40.0	46.9	67.8	76.5	132.1	288.4	298.9	338.8	104.3	97.3
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)