

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: P1209583

Luminaire Tested: UPW-SA2-130-750-U-SL3

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209583  
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-SA2-130-750-U-SL3  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 5000K, 1200mA 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: 15366 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
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

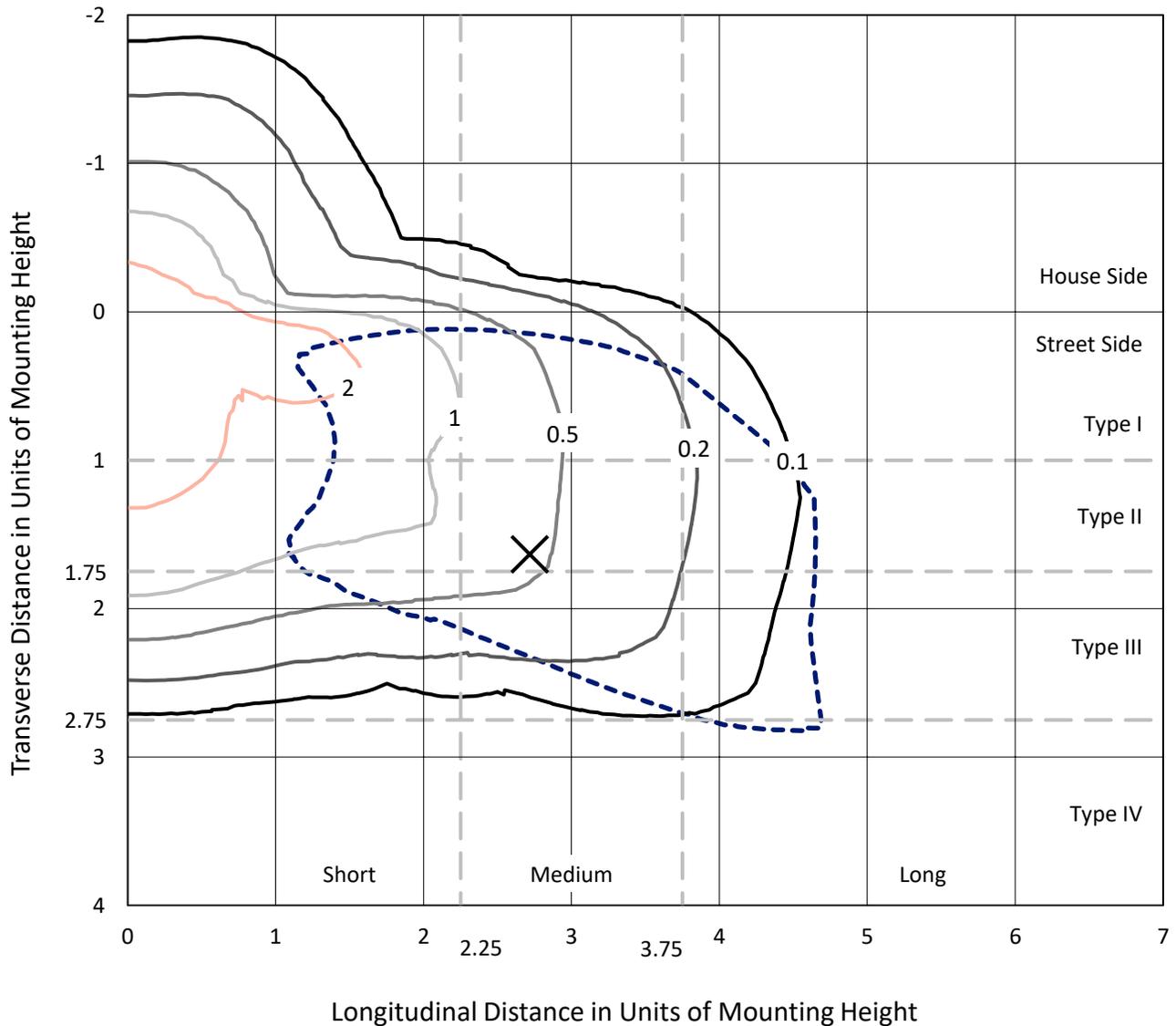


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### Iso-Footcandle Lines of Horizontal Illumination

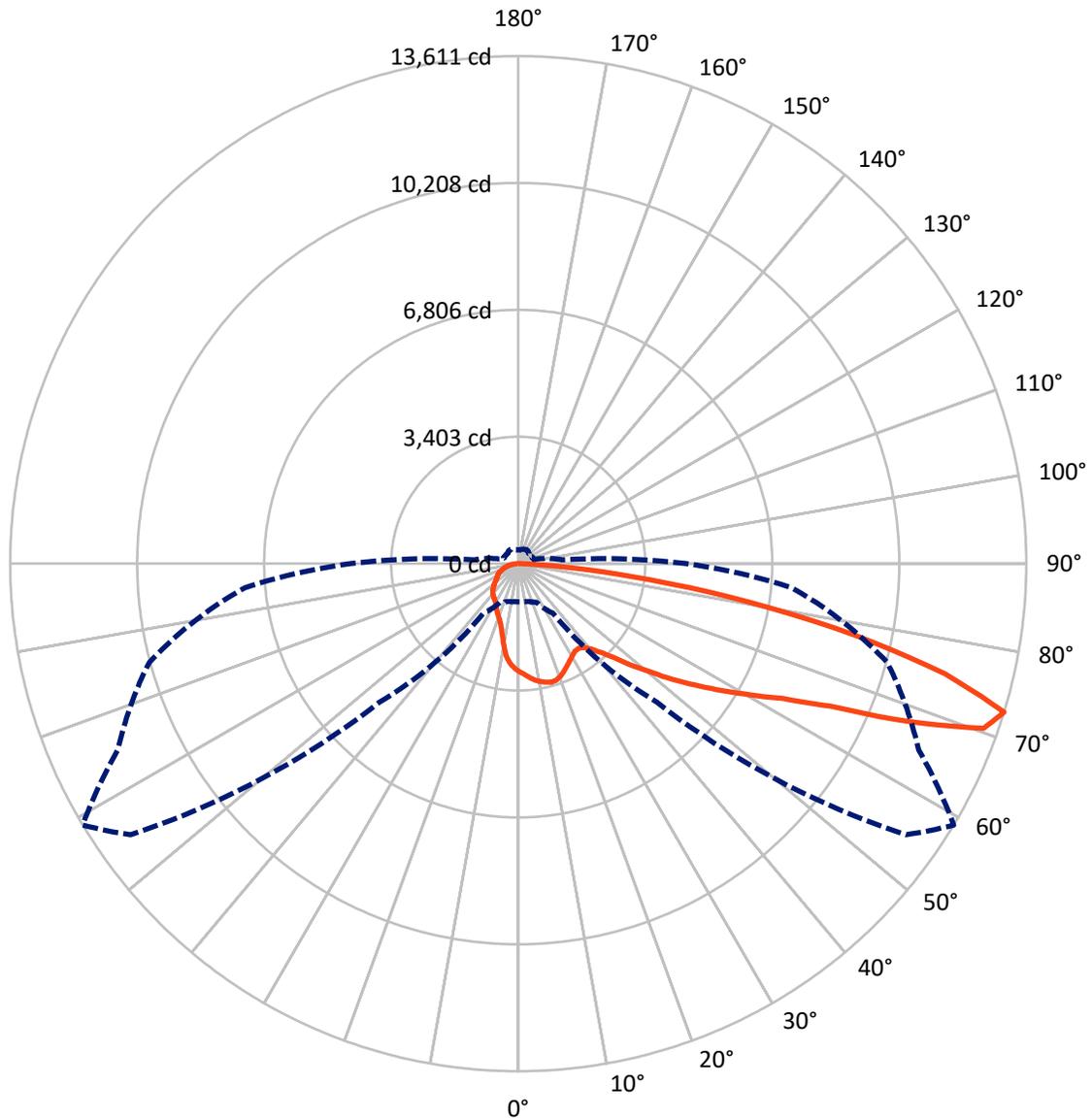
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	2614.7	0.0	2614.7
	% Fixture	17.0	0.0	17.0
<b>Street Side</b>	Lumens	12751.3	0.0	12751.3
	% Fixture	83.0	0.0	83.0
<b>Total</b>	Lumens	15366.0	0.0	15366.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.1	1.7
10°-20°	663.8	4.3
20°-30°	976.1	6.4
30°-40°	1341.2	8.7
40°-50°	2003.4	13.0
50°-60°	3053.1	19.9
60°-70°	3913.2	25.5
70°-80°	2705.1	17.6
80°-90°	450.1	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°	15366.0	100.0
0°-180°	15366.0	100.0



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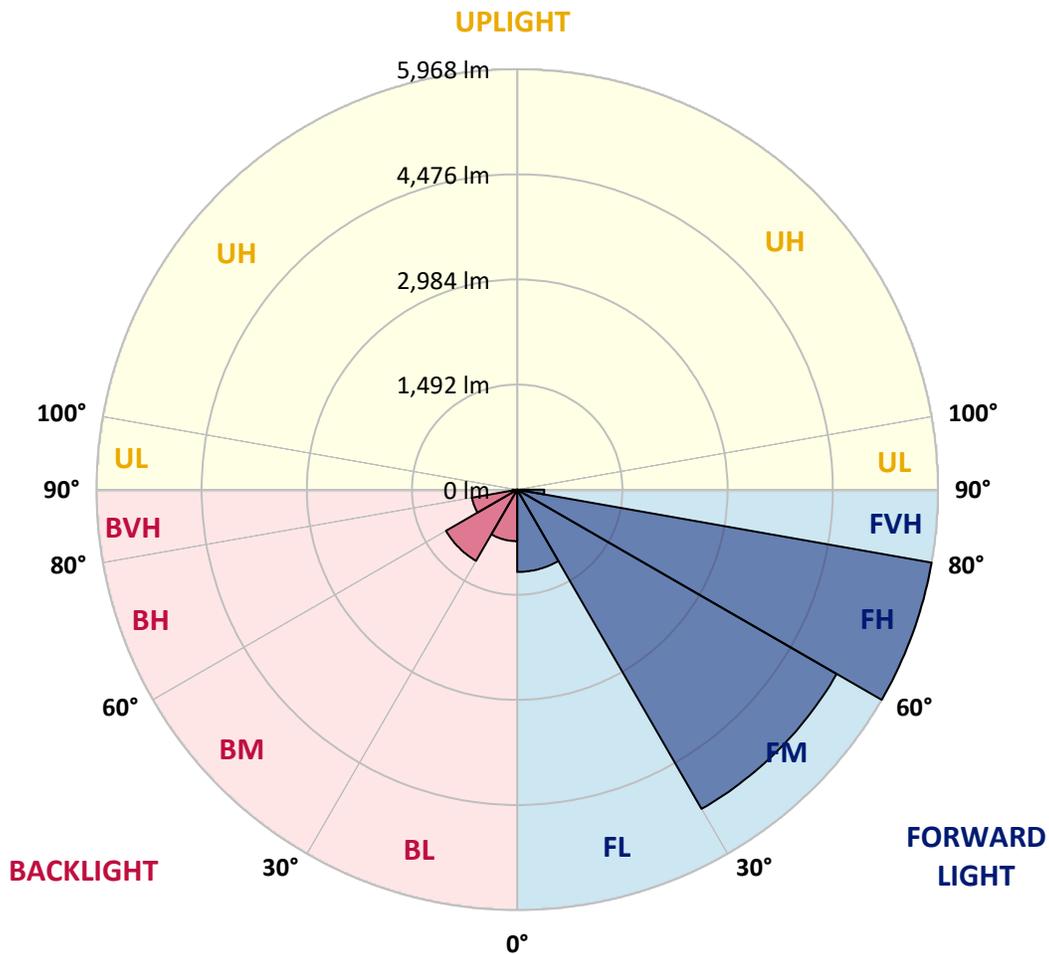
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1168.3	7.6			
FM	(30°-60°)	5231.5	34.0			
FH	(60°-80°)	5967.6	38.8			G3/7500
FVH	(80°-90°)	383.9	2.5			G3/500
BL	(0°-30°)	731.6	4.8	B2/1000		
BM	(30°-60°)	1166.2	7.6	B2/2500		
BH	(60°-80°)	650.7	4.2	B2/1000		G2/1000
BVH	(80°-90°)	66.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2893.1	2893.1	2893.1	2893.1	2893.1	2893.1	2893.1	2893.1	2893.1	2893.1	2893.1
2.5°	3016.6	3008.1	3012.4	3018.7	3001.7	3003.8	2982.5	2965.5	2952.7	2944.2	2925.0
5°	3091.2	3069.9	3078.4	3097.6	3078.4	3095.4	3072.0	3059.2	3037.9	3025.1	2982.5
7.5°	3029.4	3014.5	3035.8	3084.8	3108.2	3153.0	3157.2	3148.7	3140.2	3112.5	3059.2
10°	2743.9	2735.4	2790.8	2920.8	3029.4	3138.0	3210.5	3210.5	3214.7	3195.6	3131.7
12.5°	2381.8	2375.4	2447.8	2607.6	2820.6	3069.9	3242.4	3261.6	3295.7	3289.3	3208.4
15°	2141.0	2136.8	2194.3	2322.1	2541.5	2895.2	3238.2	3302.1	3372.4	3387.3	3287.2
17.5°	2017.5	2017.5	2057.9	2155.9	2307.2	2652.3	3144.4	3285.0	3427.8	3498.1	3376.7
20°	1983.4	1979.1	2002.6	2062.2	2166.6	2435.0	3003.8	3225.4	3470.4	3587.6	3434.2
22.5°	2000.4	1996.2	2004.7	2034.5	2094.2	2290.2	2852.6	3135.9	3493.8	3666.4	3485.3
25°	2083.5	2079.3	2068.6	2066.5	2079.3	2222.0	2699.2	3035.8	3517.3	3779.3	3547.1
27.5°	2245.4	2232.6	2196.4	2162.3	2128.2	2207.1	2601.2	2946.3	3547.1	3873.0	3585.4
30°	2454.2	2449.9	2405.2	2341.3	2228.4	2241.2	2539.4	2863.2	3547.1	3945.5	3583.3
32.5°	2607.6	2609.7	2601.2	2562.8	2403.1	2317.9	2516.0	2795.1	3540.7	4045.6	3591.8
35°	2769.5	2769.5	2748.2	2748.2	2643.8	2467.0	2550.1	2788.7	3576.9	4211.8	3653.6
37.5°	3044.3	3040.1	2995.3	2950.6	2873.9	2707.7	2650.2	2850.4	3677.0	4478.1	3736.7
40°	3406.5	3415.0	3323.4	3199.8	3110.4	2986.8	2837.7	3008.1	3832.6	4795.5	3843.2
42.5°	3843.2	3866.6	3723.9	3553.5	3398.0	3236.0	3099.7	3259.5	4107.4	5247.1	4026.4
45°	4380.1	4356.6	4177.7	3949.7	3745.2	3470.4	3387.3	3585.4	4465.3	5858.5	4307.6
47.5°	4846.6	4859.4	4640.0	4390.7	4137.2	3755.9	3751.6	4062.6	4938.2	6484.9	4631.4
50°	5300.4	5338.7	5095.9	4833.8	4563.3	4075.4	4211.8	4535.6	5445.3	7124.0	5032.0
52.5°	5656.2	5681.7	5455.9	5230.1	4961.7	4497.2	4755.0	5142.7	5958.7	7735.4	5492.1
55°	5937.4	5973.6	5720.1	5532.6	5328.1	4957.4	5377.1	5741.4	6491.3	8304.2	5962.9
57.5°	6318.7	6340.0	6020.5	5856.4	5664.7	5481.5	6060.9	6414.6	7062.2	8787.8	6450.8
60°	6610.6	6623.3	6293.1	6242.0	6237.8	6203.7	6821.5	7136.8	7599.1	9239.5	6949.3
62.5°	6357.1	6357.1	6129.1	6271.8	6789.5	7390.3	7876.0	7969.7	8153.0	9678.3	7428.6
65°	5036.2	5087.3	5112.9	5592.2	6749.0	8604.6	9625.1	9211.8	8845.3	10081.0	7820.6
67.5°	2643.8	2746.1	2982.5	3809.1	5564.6	9047.7	11866.2	11318.7	9827.4	10351.5	7974.0
70°	1346.4	1376.2	1499.8	1962.1	3502.3	7882.4	13197.7	13229.7	10999.1	10468.7	7863.2
72.5°	1022.6	1022.6	1050.3	1141.9	1619.1	5257.8	12675.8	13611.0	11838.5	10232.2	7341.3
75°	852.2	862.8	918.2	931.0	818.1	2729.0	10281.2	11808.7	10945.9	9365.1	6412.4
77.5°	683.9	690.2	777.6	828.7	551.8	1167.4	7496.8	9216.0	8440.6	7569.2	4516.4
80°	515.6	526.2	605.0	709.4	409.0	560.3	5051.1	6303.8	5281.2	4640.0	2085.6
82.5°	345.1	349.4	413.3	560.3	302.5	311.0	2976.1	3532.2	2567.1	1738.4	547.5
85°	210.9	215.2	257.8	362.2	200.3	166.2	1320.8	1365.6	811.7	413.3	196.0
87.5°	95.9	106.5	134.2	174.7	100.1	68.2	221.6	217.3	159.8	149.1	83.1
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°	2893.1	2893.1	2893.1	2893.1	2893.1	2893.1	2893.1	2893.1	2893.1	2893.1	2893.1
2.5°	2897.3	2873.9	2850.4	2818.5	2790.8	2743.9	2712.0	2680.0	2663.0	2658.7	2652.3
5°	2948.4	2908.0	2839.8	2750.3	2652.3	2541.5	2437.2	2345.5	2283.8	2264.6	2273.1
7.5°	3008.1	2950.6	2816.4	2643.8	2445.7	2228.4	2045.2	1925.9	1851.3	1808.7	1817.2
10°	3061.4	2978.3	2765.2	2475.5	2136.8	1864.1	1719.2	1636.1	1597.8	1593.5	1591.4
12.5°	3114.6	3006.0	2686.4	2234.8	1859.8	1644.7	1572.2	1548.8	1544.5	1548.8	1546.7
15°	3176.4	3020.9	2552.2	1985.5	1663.8	1553.0	1529.6	1523.2	1525.4	1536.0	1533.9
17.5°	3227.5	3014.5	2343.4	1759.7	1559.4	1508.3	1487.0	1476.4	1487.0	1506.2	1506.2
20°	3244.6	2952.7	2102.7	1602.0	1501.9	1459.3	1429.5	1412.4	1425.2	1448.7	1452.9
22.5°	3231.8	2835.5	1855.6	1491.3	1442.3	1401.8	1369.8	1352.8	1359.2	1376.2	1378.4
25°	3212.6	2682.1	1638.3	1406.1	1365.6	1333.6	1325.1	1303.8	1293.1	1303.8	1305.9
27.5°	3155.1	2479.8	1459.3	1318.7	1280.4	1284.6	1280.4	1261.2	1246.3	1244.1	1248.4
30°	3027.3	2198.6	1325.1	1229.2	1216.4	1239.9	1239.9	1212.2	1184.5	1180.2	1186.6
32.5°	2873.9	1911.0	1214.3	1154.7	1180.2	1193.0	1193.0	1169.6	1141.9	1124.8	1133.4
35°	2722.6	1638.3	1129.1	1103.5	1152.5	1163.2	1152.5	1144.0	1099.3	1056.7	1067.3
37.5°	2547.9	1403.9	1054.5	1065.2	1120.6	1124.8	1124.8	1095.0	1035.4	999.1	1007.7
40°	2358.3	1227.1	992.8	1031.1	1086.5	1086.5	1069.5	1050.3	1020.5	984.2	988.5
42.5°	2236.9	1107.8	945.9	994.9	1033.2	1046.0	1007.7	1022.6	997.0	958.7	962.9
45°	2219.9	1033.2	907.5	939.5	973.6	969.3	971.5	982.1	958.7	907.5	905.4
47.5°	2324.2	1009.8	871.3	877.7	907.5	922.5	935.2	939.5	905.4	850.0	841.5
50°	2556.5	1050.3	835.1	822.3	847.9	882.0	894.8	901.2	860.7	803.2	794.6
52.5°	2914.4	1176.0	803.2	775.5	773.3	833.0	869.2	886.2	822.3	760.5	756.3
55°	3310.6	1346.4	760.5	735.0	711.5	794.6	847.9	867.1	786.1	705.2	698.8
57.5°	3732.4	1548.8	711.5	694.5	666.8	758.4	809.5	824.5	730.7	639.1	634.9
60°	4173.4	1729.9	664.7	649.8	634.9	709.4	762.7	766.9	679.6	588.0	583.7
62.5°	4571.8	1853.4	619.9	602.9	602.9	651.9	707.3	703.0	626.3	541.1	536.9
65°	4865.8	1838.5	579.5	558.2	566.7	590.1	639.1	624.2	568.8	496.4	492.1
67.5°	4985.1	1680.9	541.1	517.7	519.8	526.2	566.7	556.0	511.3	451.6	449.5
70°	4861.5	1397.5	492.1	462.3	458.0	460.2	500.6	481.5	449.5	411.2	409.0
72.5°	4493.0	1171.7	436.7	411.2	402.6	396.3	430.3	421.8	398.4	366.4	368.6
75°	3939.1	1011.9	377.1	360.0	345.1	338.7	366.4	362.2	345.1	323.8	323.8
77.5°	2752.5	739.2	311.0	304.6	296.1	283.3	304.6	306.8	296.1	289.7	287.6
80°	1193.0	413.3	245.0	249.3	238.6	230.1	247.1	249.3	257.8	249.3	251.4
82.5°	345.1	204.5	176.8	189.6	185.3	176.8	185.3	204.5	191.7	168.3	172.6
85°	127.8	98.0	110.8	119.3	112.9	89.5	117.2	134.2	121.4	112.9	115.0
87.5°	49.0	36.2	46.9	40.5	32.0	23.4	40.5	44.7	59.7	23.4	19.2
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)