

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: P1209635

Luminaire Tested: UPW-SA2-130-827-U-SL2

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209635  
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-SA2-130-827-U-SL2  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 80 CRI, 2700K, 1200mA 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: 11417 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 128  
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

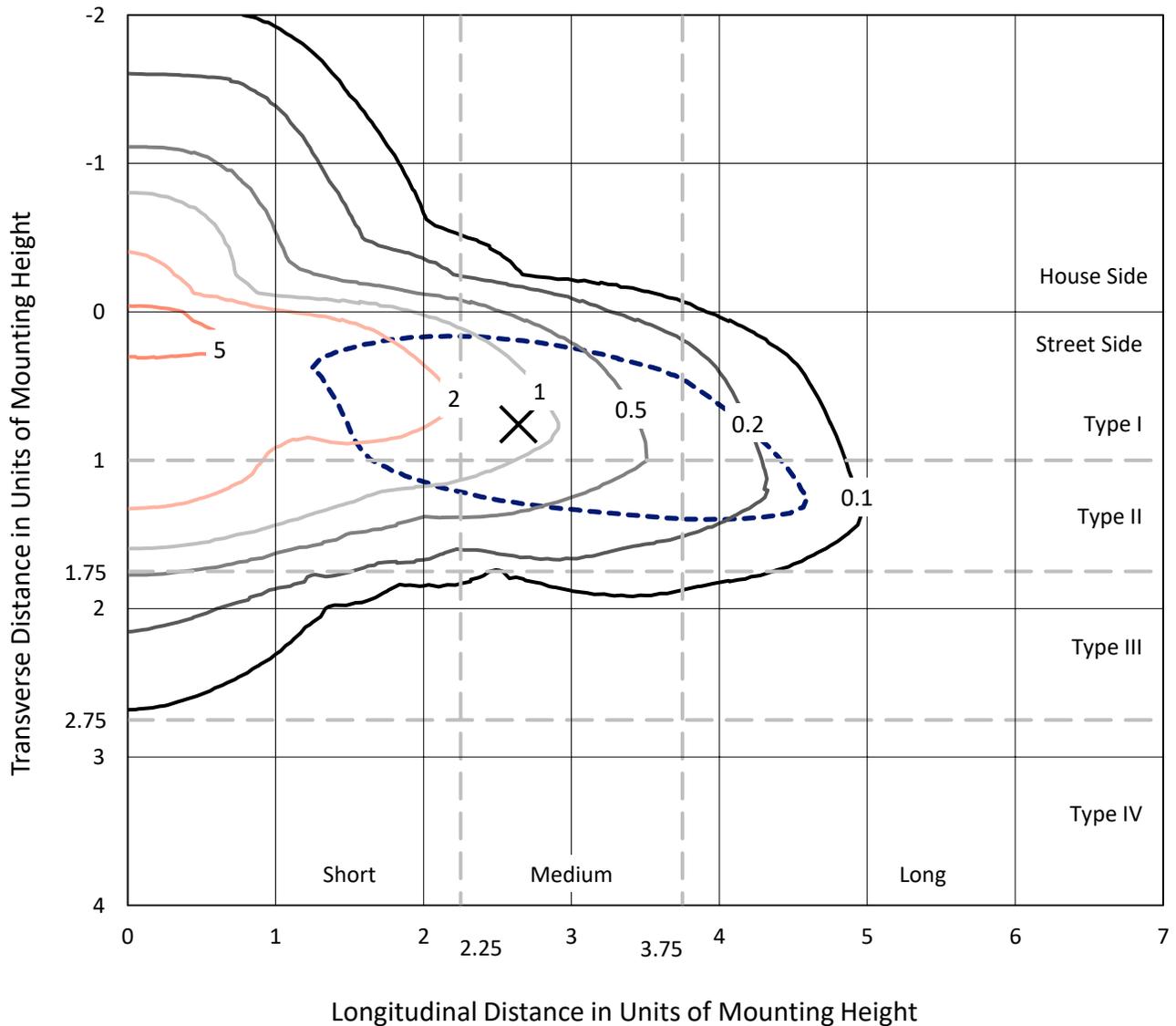


REPORT NUMBER: P1209635

CATALOG NUMBER: UPW-SA2-130-827-U-SL2

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

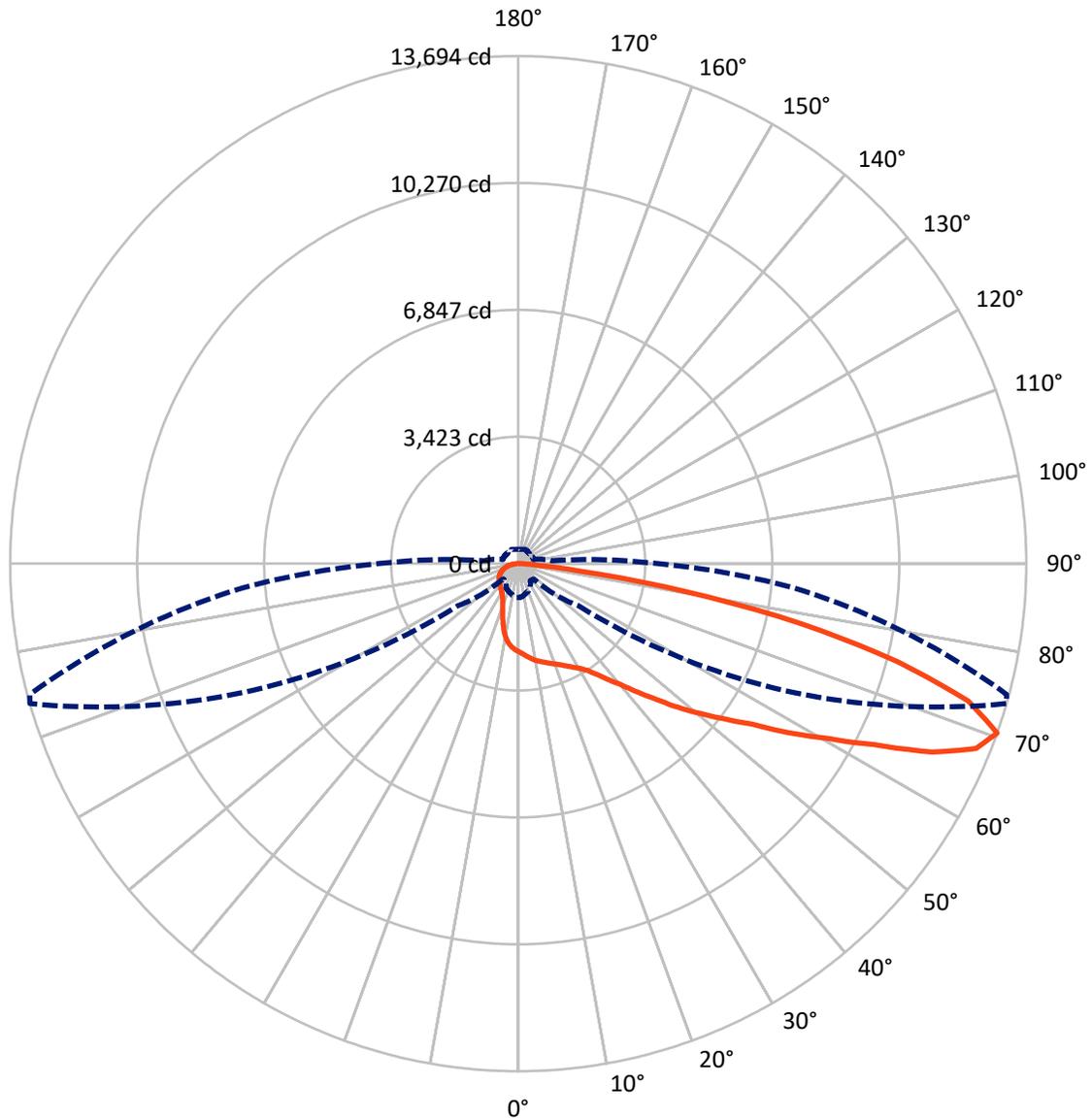


Based on 20 foot mounting height. Maximum calculated value = 6.6 fc  
 Type II - Medium - N/A

REPORT NUMBER: P1209635

CATALOG NUMBER: UPW-SA2-130-827-U-SL2

### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P1209635

CATALOG NUMBER: UPW-SA2-130-827-U-SL2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2089.7	0.0	2089.7
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	9327.3	0.0	9327.3
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	11417.0	0.0	11417.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.8	1.8
10°-20°	549.3	4.8
20°-30°	869.8	7.6
30°-40°	1296.0	11.4
40°-50°	1787.1	15.7
50°-60°	2396.8	21.0
60°-70°	2487.4	21.8
70°-80°	1574.0	13.8
80°-90°	247.8	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°	11417.0	100.0
0°-180°	11417.0	100.0



REPORT NUMBER: P1209635

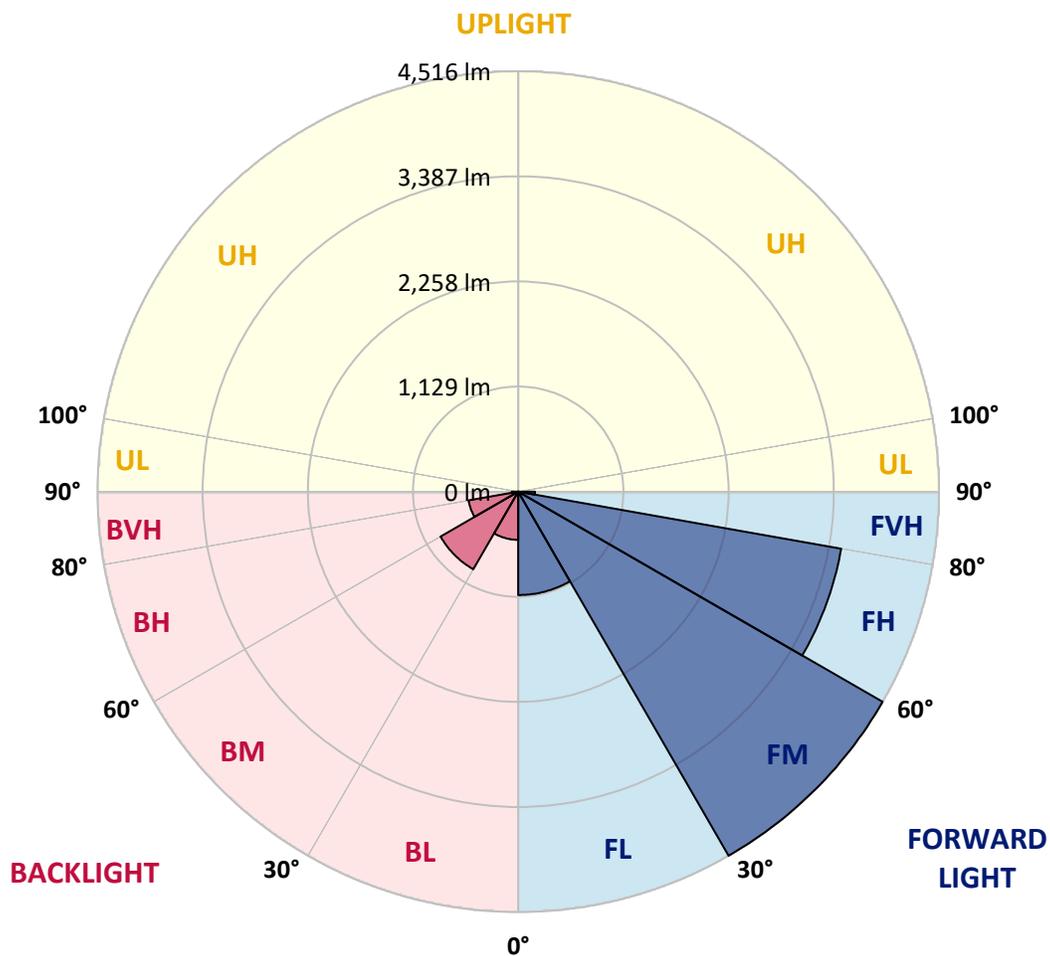
CATALOG NUMBER: UPW-SA2-130-827-U-SL2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1110.6	9.7			
FM (30°-60°)	4516.4	39.6			
FH (60°-80°)	3520.2	30.8			G2/5000
FVH (80°-90°)	180.1	1.6			G2/225
BL (0°-30°)	517.2	4.5	B2/1000		
BM (30°-60°)	963.6	8.4	B1/1000		
BH (60°-80°)	541.2	4.7	B2/1000		G2/1000
BVH (80°-90°)	67.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium





REPORT NUMBER: P1209635

CATALOG NUMBER: UPW-SA2-130-827-U-SL2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2377.4	2377.4	2377.4	2377.4	2377.4	2377.4	2377.4	2377.4	2377.4	2377.4	2377.4
2.5°	2542.2	2538.4	2529.5	2529.5	2525.6	2516.7	2491.1	2464.3	2438.8	2436.2	2403.0
5°	2647.0	2640.6	2639.3	2639.3	2634.2	2625.3	2590.8	2553.7	2516.7	2509.0	2449.0
7.5°	2696.8	2691.7	2693.0	2699.4	2709.6	2701.9	2671.3	2639.3	2589.5	2583.1	2493.7
10°	2670.0	2673.8	2689.1	2724.9	2750.5	2764.5	2739.0	2709.6	2658.5	2650.8	2529.5
12.5°	2500.1	2511.6	2560.1	2652.1	2749.2	2802.8	2801.6	2770.9	2709.6	2703.2	2557.6
15°	2243.3	2229.2	2318.7	2465.6	2641.9	2793.9	2843.7	2829.7	2768.3	2759.4	2590.8
17.5°	2116.8	2118.1	2157.7	2248.4	2442.6	2721.1	2866.7	2888.4	2830.9	2819.4	2627.8
20°	2167.9	2166.6	2170.5	2201.1	2294.4	2572.9	2868.0	2952.3	2892.3	2884.6	2661.0
22.5°	2313.6	2308.4	2296.9	2271.4	2274.0	2441.3	2850.1	3022.6	2970.2	2954.9	2684.0
25°	2516.7	2503.9	2466.9	2409.4	2348.0	2401.7	2804.1	3104.3	3059.6	3043.0	2708.3
27.5°	2747.9	2745.4	2705.8	2595.9	2479.6	2451.5	2751.7	3193.8	3165.7	3142.7	2735.1
30°	2986.8	2972.7	2935.7	2818.2	2671.3	2560.1	2736.4	3292.1	3278.1	3248.7	2756.9
32.5°	3117.1	3110.7	3086.4	3014.9	2887.2	2717.2	2781.1	3393.0	3439.0	3417.3	2804.1
35°	3220.6	3209.1	3183.5	3154.2	3089.0	2924.2	2884.6	3514.4	3679.2	3640.9	2905.0
37.5°	3319.0	3306.2	3288.3	3260.2	3218.0	3122.2	3035.3	3680.5	3983.3	3956.4	3058.3
40°	3428.8	3414.8	3391.8	3372.6	3313.8	3284.5	3177.1	3838.9	4309.0	4296.2	3242.3
42.5°	3511.9	3496.5	3485.0	3472.3	3408.4	3353.4	3288.3	3989.6	4748.5	4716.5	3486.3
45°	3573.2	3564.2	3564.2	3548.9	3506.7	3356.0	3366.2	4191.5	5221.2	5210.9	3823.6
47.5°	3639.6	3628.1	3634.5	3620.4	3607.7	3358.6	3462.0	4461.0	5789.6	5780.7	4200.4
50°	3718.8	3707.3	3732.9	3712.4	3717.5	3435.2	3598.7	4798.3	6351.7	6330.0	4601.6
52.5°	3729.0	3726.5	3790.4	3836.3	3873.4	3610.2	3830.0	5200.7	6966.2	6966.2	5069.1
55°	3522.1	3517.0	3640.9	3836.3	4044.6	3946.2	4259.2	5830.5	7645.9	7663.7	5485.6
57.5°	2860.3	2884.6	3094.1	3478.6	4035.6	4425.3	4894.1	6597.0	8604.0	8545.2	5894.4
60°	1819.2	1854.9	2022.3	2551.2	3432.6	4505.8	5577.6	7570.5	9576.2	9463.7	6434.8
62.5°	1202.1	1171.5	1174.0	1423.1	2208.8	3786.5	5711.7	8724.1	10748.9	10667.1	6915.1
65°	1069.3	1047.6	939.0	873.8	1073.1	2364.7	4857.1	9555.7	12256.4	12027.7	7283.0
67.5°	1014.3	992.6	891.7	790.8	675.8	1208.5	3451.8	9402.4	13309.0	13164.7	7555.2
70°	918.5	905.7	824.0	746.1	564.7	583.8	1991.6	8253.9	13693.6	13624.6	7431.2
72.5°	798.4	783.1	728.2	674.5	495.7	430.5	955.6	6543.4	12683.0	12677.9	6906.2
75°	654.1	641.3	596.6	578.7	419.0	352.6	542.9	4595.2	10566.2	10510.0	6138.4
77.5°	535.3	517.4	486.7	472.7	347.5	283.6	382.0	3207.8	7797.9	7651.0	4296.2
80°	388.4	376.9	347.5	380.7	274.7	219.7	283.6	1995.5	4582.4	4283.5	1609.7
82.5°	236.3	213.3	240.2	291.3	203.1	157.1	208.2	1112.7	1642.9	1443.6	480.3
85°	109.9	112.4	140.5	186.5	121.4	92.0	130.3	486.7	476.5	456.1	201.8
87.5°	17.9	19.2	53.7	81.8	51.1	30.7	52.4	107.3	180.1	185.2	86.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1209635

CATALOG NUMBER: UPW-SA2-130-827-U-SL2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2377.4	2377.4	2377.4	2377.4	2377.4	2377.4	2377.4	2377.4	2377.4	2377.4	2377.4
2.5°	2382.5	2362.1	2325.1	2284.2	2238.2	2196.0	2178.1	2119.4	2105.3	2101.5	2072.1
5°	2406.8	2362.1	2265.0	2150.0	2015.9	1894.5	1760.4	1653.1	1593.0	1587.9	1595.6
7.5°	2431.1	2360.8	2183.3	1950.7	1713.1	1478.1	1335.0	1250.7	1191.9	1177.9	1181.7
10°	2443.9	2342.9	2058.1	1700.4	1372.0	1200.9	1119.1	1089.7	1080.8	1073.1	1073.1
12.5°	2446.4	2303.3	1892.0	1430.8	1171.5	1088.4	1065.4	1057.8	1056.5	1055.2	1052.7
15°	2449.0	2253.5	1679.9	1222.6	1080.8	1053.9	1045.0	1043.7	1046.3	1045.0	1045.0
17.5°	2446.4	2185.8	1474.2	1102.5	1047.6	1037.3	1032.2	1030.9	1034.8	1033.5	1032.2
20°	2437.5	2098.9	1273.7	1041.2	1024.6	1022.0	1015.6	1010.5	1015.6	1016.9	1015.6
22.5°	2403.0	1971.2	1129.3	1002.8	1002.8	1002.8	995.2	988.8	997.7	1000.3	1001.6
25°	2349.3	1817.9	1022.0	970.9	977.3	974.7	974.7	973.5	982.4	985.0	986.2
27.5°	2293.1	1658.2	946.6	936.4	946.6	953.0	964.5	965.8	965.8	963.2	962.0
30°	2221.6	1484.5	898.1	905.7	919.8	942.8	963.2	960.7	951.7	942.8	944.1
32.5°	2164.1	1343.9	850.8	878.9	904.5	937.7	955.6	959.4	958.1	942.8	942.8
35°	2142.4	1231.5	818.9	855.9	894.3	924.9	932.6	949.2	946.6	927.5	926.2
37.5°	2156.4	1140.8	790.8	831.7	878.9	894.3	910.9	914.7	882.8	862.3	857.2
40°	2187.1	1074.4	765.2	801.0	853.4	866.1	889.1	854.6	827.8	811.2	813.8
42.5°	2272.7	1046.3	742.2	766.5	815.0	844.4	835.5	825.3	788.2	761.4	758.8
45°	2408.1	1045.0	721.8	730.7	771.6	802.3	801.0	789.5	749.9	721.8	718.0
47.5°	2593.3	1070.5	700.1	697.5	730.7	749.9	767.8	749.9	709.0	677.1	673.2
50°	2814.3	1137.0	679.6	663.0	686.0	715.4	724.3	711.6	673.2	642.6	638.8
52.5°	3080.1	1229.0	661.7	632.4	638.8	679.6	700.1	688.6	645.1	611.9	606.8
55°	3338.1	1315.8	637.5	600.4	590.2	646.4	678.4	677.1	613.2	578.7	576.2
57.5°	3602.6	1397.6	610.6	573.6	557.0	610.6	655.4	660.5	580.0	542.9	542.9
60°	3870.8	1455.1	577.4	545.5	536.6	571.0	620.9	622.1	550.6	522.5	525.1
62.5°	4090.6	1420.6	544.2	518.7	512.3	532.7	582.5	594.0	548.0	517.4	519.9
65°	4183.8	1305.6	507.2	493.1	482.9	490.6	536.6	550.6	502.1	467.6	471.4
67.5°	4123.8	1138.3	470.1	463.7	449.7	447.1	476.5	485.5	449.7	428.0	425.4
70°	3767.4	908.3	425.4	425.4	412.6	401.1	416.5	424.1	396.0	383.3	385.8
72.5°	3260.2	738.4	382.0	387.1	369.2	353.9	362.8	366.6	350.0	343.6	341.1
75°	2820.7	617.0	338.5	346.2	327.0	302.8	313.0	313.0	298.9	297.7	296.4
77.5°	2056.8	463.7	291.3	300.2	284.9	254.2	256.8	258.1	252.9	252.9	254.2
80°	880.2	283.6	237.6	251.7	236.3	199.3	207.0	207.0	219.7	251.7	246.6
82.5°	292.5	168.6	180.1	198.0	181.4	148.2	157.1	168.6	217.2	208.2	198.0
85°	125.2	93.3	115.0	125.2	116.3	89.4	102.2	176.3	161.0	155.9	157.1
87.5°	42.2	39.6	48.5	57.5	40.9	28.1	52.4	107.3	104.8	79.2	76.7
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)