

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P386835

Luminaire Tested: GAW-SA2C-735-U-SL3

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386835  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA2C-735-U-SL3  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 3500K, 1050mA 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: 13868.3 lumens  
Efficiency: N/A  
Efficacy: 122.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

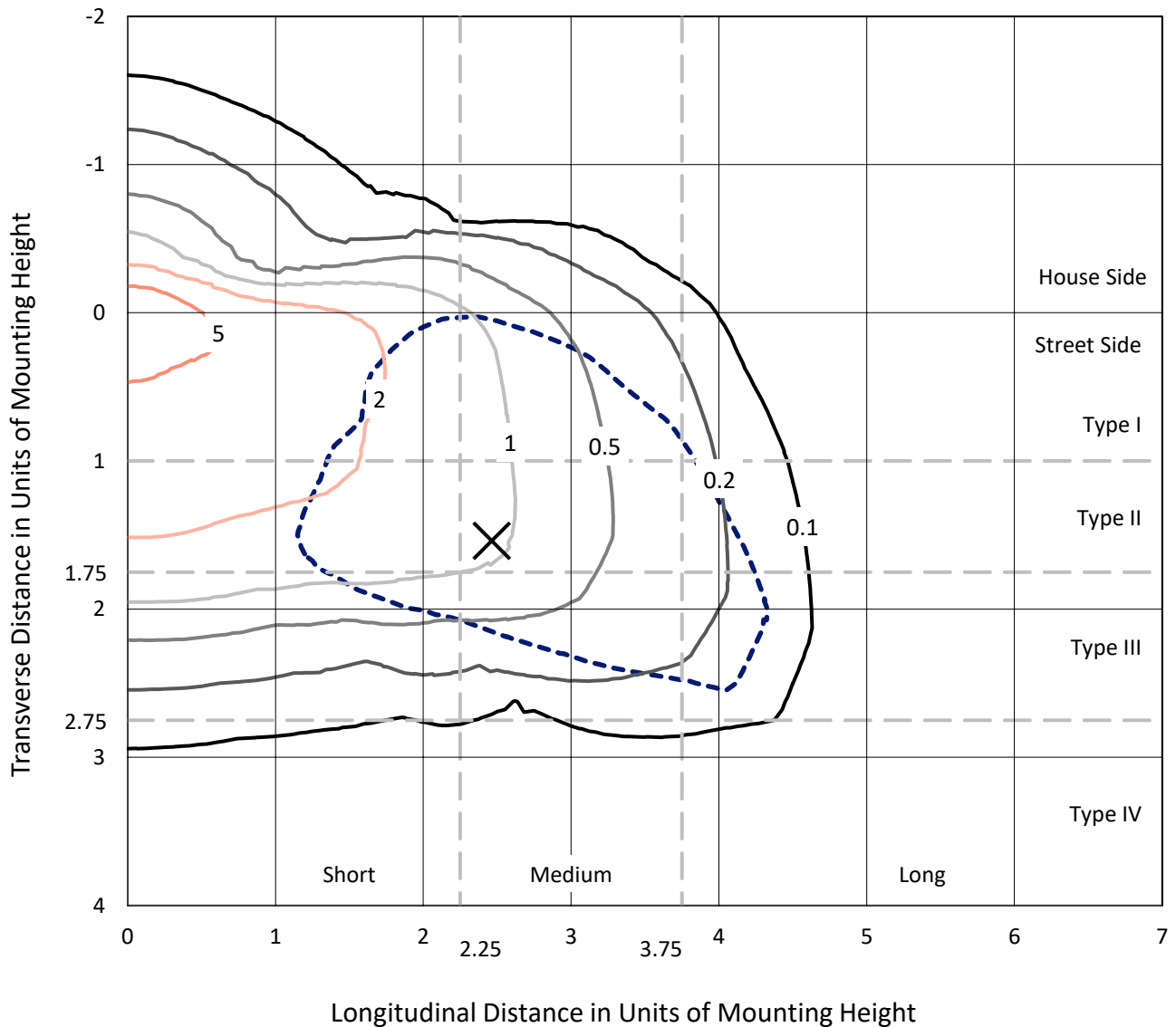
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

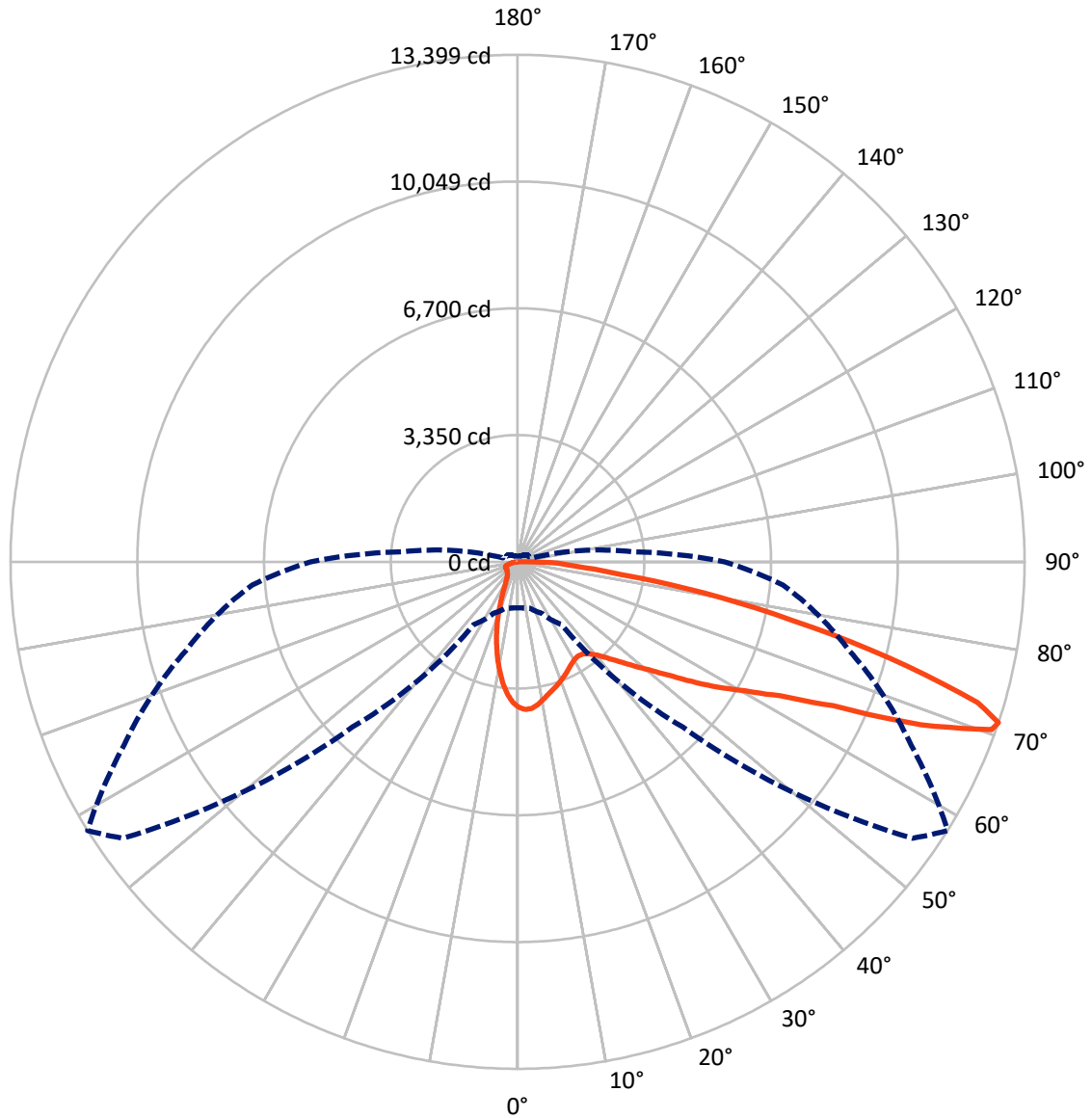
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2073.4	0.0	2073.4
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	11794.9	0.0	11794.9
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	13868.3	0.0	13868.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	331.5	2.4
10°-20°	737.1	5.3
20°-30°	936.8	6.8
30°-40°	1193.3	8.6
40°-50°	1692.1	12.2
50°-60°	2618.6	18.9
60°-70°	3564.9	25.7
70°-80°	2378.2	17.1
80°-90°	415.8	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°	13868.3	100.0
0°-180°	13868.3	100.0

**Coefficient of Utilization**

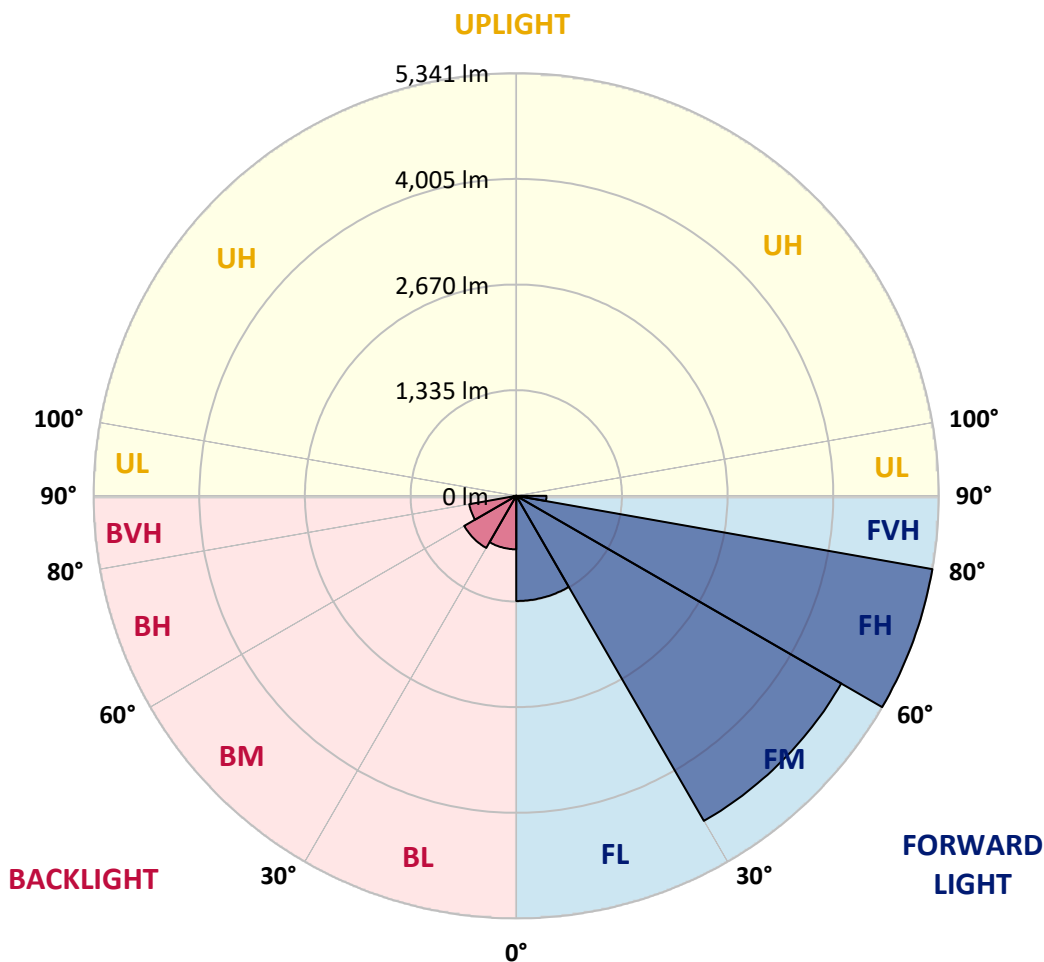


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1329.5	9.6			
FM (30°-60°)	4743.6	34.2			
FH (60°-80°)	5340.5	38.5			G3/7500
FVH (80°-90°)	381.2	2.7			G3/500
BL (0°-30°)	675.9	4.9	B2/1000		
BM (30°-60°)	760.4	5.5	B1/1000		
BH (60°-80°)	602.6	4.3	B2/1000		G2/1000
BVH (80°-90°)	34.5	0.2			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°	58°	65°	75°	85°
0°	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4
2.5°	3944.3	3939.1	3940.9	3937.1	3928.0	3918.8	3905.2	3907.7	3888.8	3860.8	3826.1
5°	3870.0	3868.0	3882.5	3890.8	3897.5	3892.2	3888.3	3893.1	3865.6	3827.0	3766.6
7.5°	3713.9	3692.7	3711.1	3738.6	3764.6	3784.4	3810.6	3813.9	3796.6	3756.0	3676.8
10°	3492.2	3471.9	3499.0	3542.0	3594.1	3641.5	3694.2	3703.7	3707.1	3670.5	3574.3
12.5°	3262.2	3246.8	3273.9	3334.2	3420.7	3493.7	3577.7	3592.2	3622.1	3597.5	3479.6
15°	3056.5	3050.7	3083.6	3142.9	3242.4	3354.0	3475.3	3501.9	3552.6	3544.3	3405.8
17.5°	2878.7	2877.3	2902.4	2964.6	3074.8	3215.9	3373.4	3418.3	3493.7	3503.3	3344.9
20°	2746.3	2743.4	2760.8	2806.7	2920.2	3080.2	3263.3	3325.1	3433.8	3467.6	3282.1
22.5°	2675.3	2674.8	2675.3	2697.1	2789.8	2938.6	3156.0	3231.3	3375.3	3439.0	3212.5
25°	2663.3	2661.8	2651.2	2648.7	2701.4	2820.2	3049.7	3132.8	3319.7	3419.3	3146.3
27.5°	2694.7	2696.5	2682.5	2659.9	2670.5	2742.5	2957.4	3046.4	3275.3	3415.4	3100.5
30°	2759.8	2758.9	2746.8	2723.1	2702.4	2713.4	2891.7	2980.6	3245.3	3432.3	3069.0
32.5°	2831.8	2837.2	2834.7	2821.7	2790.8	2746.3	2871.9	2958.9	3236.7	3472.8	3055.5
35°	2918.3	2924.1	2941.5	2951.7	2915.4	2843.9	2914.5	2989.8	3261.8	3549.2	3077.3
37.5°	3000.4	3015.4	3064.2	3107.2	3076.2	2996.6	3027.5	3081.1	3339.5	3669.5	3135.7
40°	3095.1	3108.2	3187.8	3279.1	3274.4	3191.7	3209.6	3245.3	3476.8	3841.9	3241.5
42.5°	3188.3	3214.4	3329.9	3459.3	3496.5	3423.6	3452.1	3471.0	3670.0	4070.5	3426.1
45°	3312.5	3340.5	3500.9	3657.0	3743.9	3702.8	3748.3	3755.5	3913.0	4381.5	3694.2
47.5°	3500.4	3532.3	3719.2	3883.0	4015.9	4020.2	4095.1	4092.2	4216.4	4737.6	4031.8
50°	3793.2	3839.0	3992.2	4145.4	4306.7	4396.6	4496.5	4482.5	4580.1	5116.8	4420.7
52.5°	4176.7	4198.0	4311.5	4424.5	4625.0	4826.5	4970.0	4957.4	4992.7	5506.6	4862.2
55°	4574.3	4590.3	4637.1	4698.9	4968.5	5297.0	5600.4	5580.6	5491.2	5911.5	5298.5
57.5°	4931.8	4964.1	4996.5	5022.1	5314.4	5788.7	6245.3	6246.8	6032.2	6348.1	5749.2
60°	4987.3	5015.8	5229.9	5431.8	5906.2	6444.8	6935.6	6921.1	6592.1	6822.1	6251.6
62.5°	4408.6	4472.8	4830.4	5367.5	6476.2	7644.8	7816.3	7798.4	7261.7	7406.2	6836.6
65°	3159.4	3232.3	3663.7	4471.0	6199.9	8967.0	9405.6	9165.0	8174.7	8124.4	7521.6
67.5°	1822.7	1840.1	2027.0	2675.3	4720.6	9036.0	11830.2	11493.5	9592.5	8939.5	7856.8
70°	1347.8	1347.3	1391.8	1646.4	2554.5	7374.7	12983.4	13285.3	11085.3	9207.6	7383.0
71°	1218.9	1220.3	1270.1	1498.5	2023.2	6172.9	12738.4	13399.2	11478.5	9075.2	7040.0
72.5°	1042.4	1047.3	1116.4	1343.9	1701.9	4257.0	11683.3	12715.3	11665.0	8748.7	6503.2
75°	790.8	802.0	897.6	1132.8	1555.5	2158.9	8574.7	10153.4	10362.6	7719.7	4832.2
77.5°	564.2	576.8	685.0	952.6	1478.7	1627.0	5742.4	7406.2	7625.9	4947.2	2179.7
80°	356.5	371.5	453.2	758.0	1389.4	1544.9	3608.6	4978.1	4158.4	1583.1	554.6
82.5°	209.2	220.8	281.2	495.2	1134.8	1487.9	2123.1	2759.4	1618.3	478.2	252.1
85°	121.3	126.5	175.4	315.4	824.1	1404.3	1559.9	1542.5	702.4	233.8	119.3
87.5°	56.6	62.8	103.9	164.8	457.5	1017.8	1232.9	1065.2	436.7	109.6	56.1
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°	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4
2.5°	3809.1	3800.9	3766.6	3736.2	3704.3	3662.7	3616.9	3611.0	3583.0	3588.3	3578.7
5°	3733.7	3713.0	3630.4	3555.5	3467.1	3387.8	3301.9	3262.2	3205.2	3201.4	3186.9
7.5°	3626.1	3587.4	3459.3	3317.3	3175.3	3040.1	2906.2	2818.3	2728.5	2690.3	2686.9
10°	3504.8	3439.0	3250.7	3040.5	2835.7	2638.1	2446.8	2305.3	2177.7	2117.4	2115.0
12.5°	3389.8	3292.7	3034.2	2748.3	2468.1	2212.0	1949.7	1763.7	1603.8	1550.2	1527.5
15°	3292.2	3155.5	2823.6	2457.9	2117.9	1762.3	1463.8	1268.1	1120.2	1069.0	1059.4
17.5°	3197.5	3021.7	2607.7	2164.7	1753.6	1362.8	1063.8	918.4	839.6	818.9	818.3
20°	3103.3	2884.0	2382.1	1864.7	1401.4	1019.3	817.8	752.6	726.1	723.6	719.8
22.5°	2996.6	2738.1	2144.9	1563.7	1093.7	801.4	695.2	669.0	665.7	674.4	674.4
25°	2896.5	2593.2	1904.3	1269.0	850.7	668.6	620.8	615.5	624.6	640.1	641.5
27.5°	2803.3	2453.6	1669.5	1007.2	681.6	588.9	569.1	575.4	591.8	609.7	610.1
30°	2726.5	2321.7	1441.5	793.7	575.8	529.4	526.1	538.6	556.5	570.5	573.9
32.5°	2667.1	2209.2	1221.2	638.1	506.7	485.0	487.9	498.5	509.6	517.4	522.7
35°	2639.6	2112.5	1017.8	538.2	462.8	450.7	454.6	460.4	465.2	471.0	475.3
37.5°	2644.4	2037.6	836.2	475.8	433.3	427.0	427.0	427.0	427.0	430.0	430.4
40°	2689.3	1994.6	688.4	436.3	413.5	406.8	401.4	396.6	392.8	394.6	393.7
42.5°	2804.3	1990.8	580.2	411.1	397.6	386.5	375.9	369.1	364.2	366.2	367.1
45°	2999.5	2039.0	507.3	393.2	382.6	365.7	352.2	344.9	341.6	347.9	348.8
47.5°	3252.1	2144.4	462.8	380.2	368.6	346.4	331.9	325.1	326.1	335.3	337.7
50°	3577.7	2315.4	441.5	372.0	358.9	329.9	315.0	309.2	312.1	325.1	328.0
52.5°	3935.2	2561.8	444.0	369.6	352.6	317.9	301.9	295.2	299.9	312.1	314.5
55°	4347.7	2857.9	484.1	372.9	343.4	310.1	291.3	279.8	283.6	294.7	296.6
57.5°	4806.2	3197.0	564.8	372.0	331.9	302.9	280.2	262.8	265.7	272.4	274.4
60°	5283.4	3606.7	689.8	374.9	326.5	294.2	265.2	243.5	242.6	248.3	249.3
62.5°	5856.4	4080.6	832.9	376.8	329.9	283.1	245.4	224.1	221.2	222.7	223.7
65°	6446.8	4423.6	779.2	369.1	340.5	273.9	228.0	205.4	200.0	199.1	199.5
67.5°	6465.1	4055.9	546.4	353.6	344.9	269.0	214.9	189.4	180.6	177.3	176.8
70°	5797.9	3295.1	425.6	337.1	327.6	261.3	202.9	176.3	163.3	158.0	157.4
71°	5472.3	3033.3	403.4	329.0	314.5	253.6	197.6	170.5	157.0	151.2	150.2
72.5°	4961.8	2719.3	376.3	315.9	289.3	233.8	187.4	162.3	148.3	141.6	140.1
75°	3560.8	1778.3	323.2	281.6	239.6	186.5	164.2	145.9	133.8	125.6	124.7
77.5°	1372.0	707.7	244.4	234.3	183.6	145.9	135.3	126.1	117.4	109.2	108.7
80°	424.1	316.4	178.3	176.3	132.8	108.7	105.3	102.9	99.5	90.8	88.9
82.5°	226.6	181.7	122.7	114.0	87.0	72.4	76.4	77.3	77.8	68.6	67.6
85°	108.2	96.1	69.0	64.7	50.7	40.6	46.9	50.7	51.2	42.0	39.2
87.5°	51.7	50.3	32.4	24.6	18.9	13.5	16.4	20.3	22.3	16.0	14.0
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)