

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P383297

Luminaire Tested: **GAN-SA6A-735-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-735-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25783.4 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

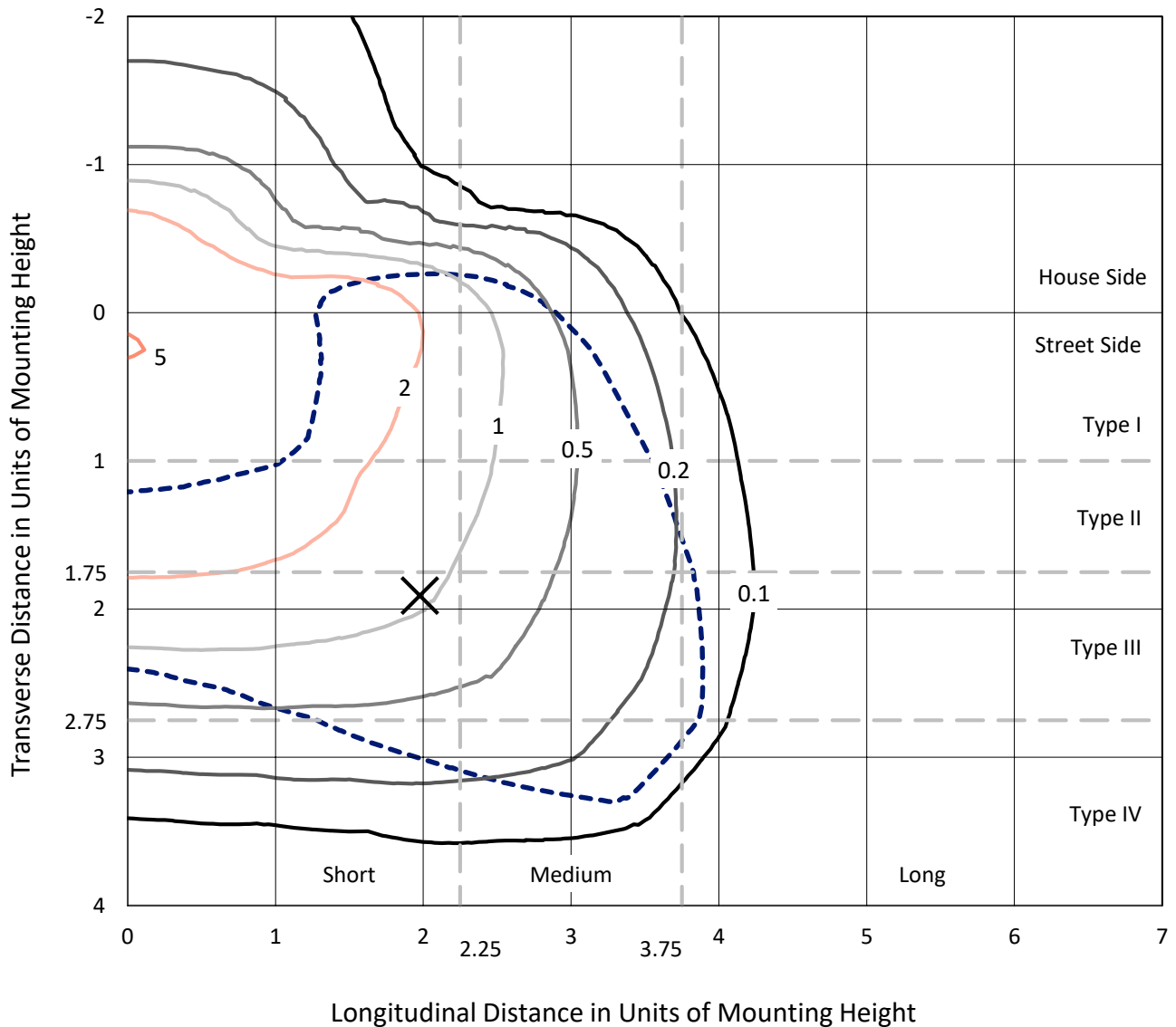
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

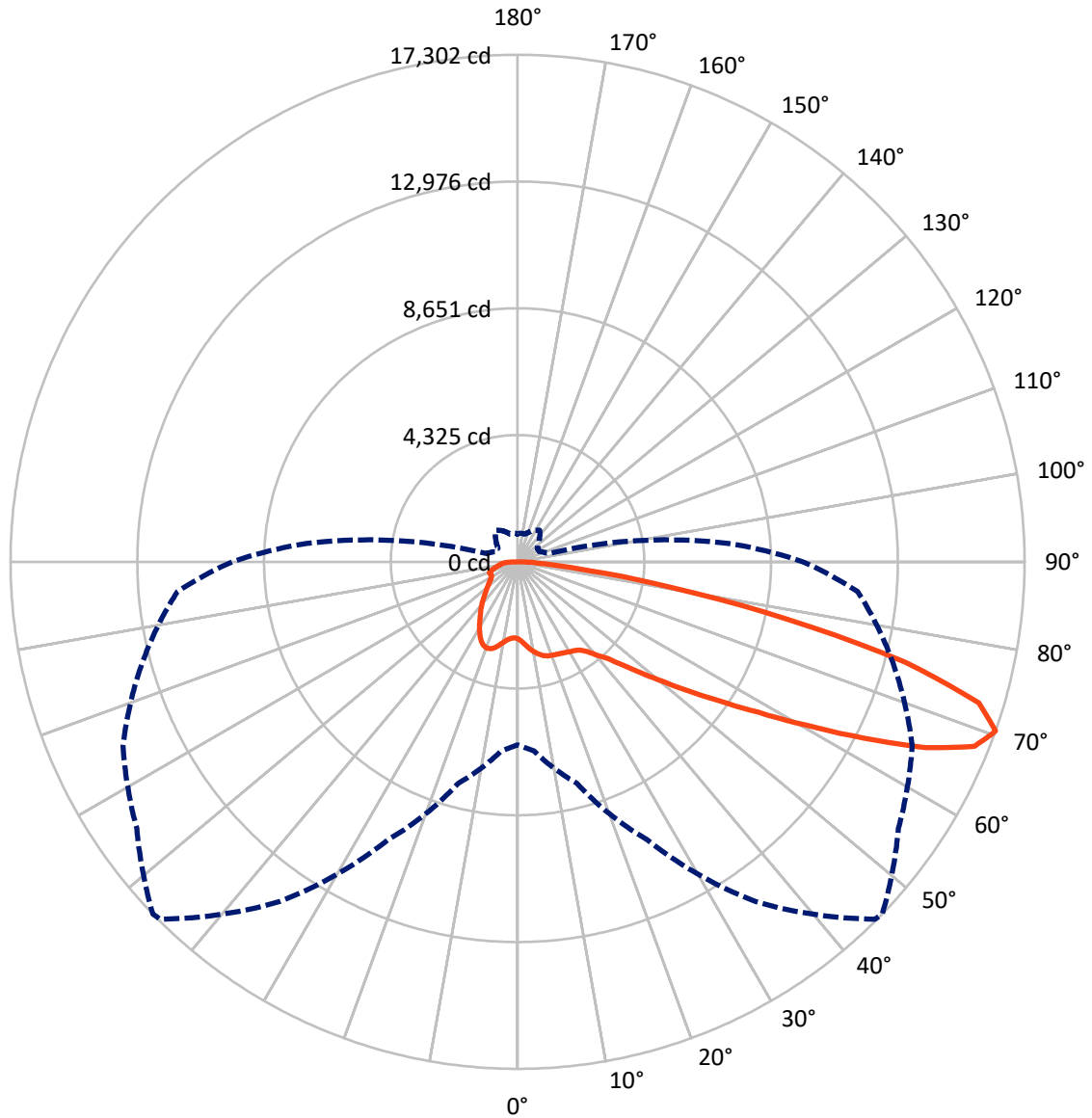
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5909.5	0.0	5909.5
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	19873.9	0.0	19873.9
	% Fixture	77.1	0.0	77.1
Total	Lumens	25783.4	0.0	25783.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.8	1.0
10°-20°	892.2	3.5
20°-30°	1487.6	5.8
30°-40°	2111.0	8.2
40°-50°	3105.2	12.0
50°-60°	5258.6	20.4
60°-70°	7464.5	29.0
70°-80°	4534.7	17.6
80°-90°	661.8	2.6
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°	25783.4	100.0
0°-180°	25783.4	100.0

Coefficient of Utilization

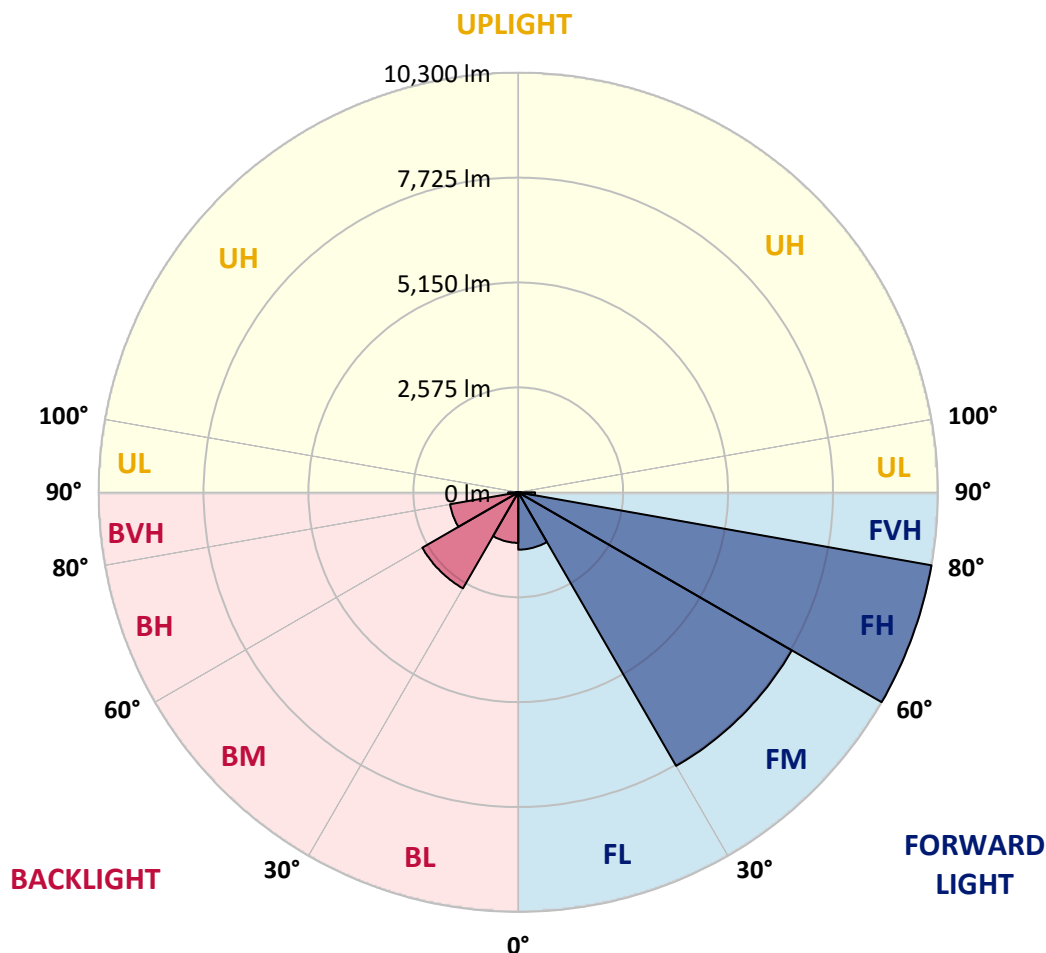


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1406.9	5.5			
FM (30°-60°)	7754.5	30.1			
FH (60°-80°)	10300.3	39.9			G4/12000
FVH (80°-90°)	412.2	1.6			G3/500
BL (0°-30°)	1240.7	4.8	B3/2500		
BM (30°-60°)	2720.3	10.6	B3/5000		
BH (60°-80°)	1698.9	6.6	B3/2500		G3/2500
BVH (80°-90°)	249.5	1.0			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2626.8	2626.8	2626.8	2626.8	2626.8	2626.8	2626.8	2626.8	2626.8	2626.8	2626.8
2.5°	2758.3	2760.1	2763.6	2754.8	2730.1	2723.0	2720.4	2694.8	2678.0	2653.3	2632.1
5°	2978.9	2980.7	2975.4	2950.7	2895.9	2855.4	2851.8	2793.6	2740.6	2684.2	2641.8
7.5°	3209.2	3211.8	3195.1	3148.3	3071.5	3001.0	2996.5	2917.1	2836.8	2751.2	2687.7
10°	3413.0	3402.4	3375.1	3309.8	3218.9	3132.4	3128.9	3046.0	2953.3	2850.1	2765.4
12.5°	3548.9	3540.1	3504.8	3425.4	3325.6	3246.3	3239.2	3162.4	3072.4	2959.4	2858.0
15°	3623.9	3630.1	3582.5	3492.5	3395.4	3328.3	3322.1	3267.4	3187.1	3073.3	2956.8
17.5°	3633.6	3638.9	3593.0	3503.9	3424.5	3378.6	3375.9	3339.8	3281.6	3172.1	3050.4
20°	3577.1	3580.7	3542.8	3469.5	3417.4	3403.3	3402.4	3386.5	3343.3	3246.3	3128.0
22.5°	3495.1	3497.7	3470.4	3417.4	3399.8	3421.9	3428.0	3421.9	3390.9	3300.1	3188.9
25°	3474.8	3473.0	3444.8	3390.9	3405.9	3452.7	3460.7	3463.3	3442.2	3362.7	3266.6
27.5°	3572.8	3566.5	3512.7	3426.2	3435.9	3492.5	3503.0	3528.6	3515.4	3445.7	3354.8
30°	3856.0	3845.3	3735.0	3560.4	3512.7	3541.8	3555.1	3595.7	3598.3	3540.1	3472.2
32.5°	4334.2	4321.0	4123.3	3811.0	3642.4	3592.1	3604.5	3665.4	3698.1	3653.1	3579.8
35°	4938.6	4923.6	4664.3	4237.1	3859.5	3688.3	3697.1	3745.7	3811.0	3747.4	3650.4
37.5°	5568.6	5532.5	5282.8	4738.3	4204.5	3893.9	3893.9	3900.1	3930.9	3798.6	3733.3
40°	6195.2	6158.9	5933.0	5327.8	4650.9	4217.8	4197.5	4060.7	4035.9	3922.2	3900.1
42.5°	6777.5	6766.9	6633.6	5993.9	5175.1	4536.3	4508.0	4276.0	4281.3	4210.7	4211.5
45°	7397.0	7397.0	7288.4	6666.3	5785.7	5048.1	5019.8	4678.3	4731.2	4698.6	4777.2
47.5°	7902.5	7918.4	7903.4	7367.0	6496.1	5698.4	5647.1	5235.9	5384.3	5496.3	5724.8
50°	8418.7	8443.5	8446.1	8135.5	7354.6	6471.3	6413.1	5976.3	6307.2	6628.3	7077.5
52.5°	9167.8	9223.4	9001.9	8902.2	8406.4	7388.9	7331.7	6928.4	7480.8	7931.7	8705.5
55°	9862.3	9813.8	9655.8	9717.5	9532.2	8433.7	8390.4	8036.6	8788.4	9374.3	10379.3
57.5°	10238.2	10234.6	10393.5	10658.2	10746.4	9722.0	9685.8	9341.7	10262.9	10703.2	11950.8
60°	10679.4	10685.5	11079.1	11679.9	12043.5	11326.1	11310.2	11049.1	11694.9	11943.7	13183.5
62.5°	10741.1	10852.3	11530.0	12564.1	13257.6	13200.3	13235.6	12587.1	12976.2	12933.8	14103.8
65°	10030.8	10177.3	11403.8	12831.4	14464.7	15250.0	15282.7	14133.8	13986.4	13780.0	14432.9
67.5°	8574.9	8791.9	10124.3	12249.9	14862.7	16765.1	16811.0	15333.0	14824.7	14066.7	13640.6
70°	6240.2	6481.1	7822.2	10462.3	14153.3	17249.5	17301.5	15863.3	14856.5	13250.6	11644.6
72.5°	3769.5	3958.3	5063.9	7702.2	11945.5	16367.1	16459.8	15190.9	13563.8	11223.8	8598.7
75°	1655.4	1778.9	2448.6	4438.4	8552.0	13541.7	13657.3	13002.6	11020.9	8156.6	5082.4
77.5°	705.0	740.3	1004.1	1928.0	4834.5	9253.4	9412.3	9500.5	7477.3	4438.4	2147.7
80°	439.4	453.6	568.2	872.7	2262.4	5197.2	5368.3	5589.8	3713.1	1631.5	750.0
82.5°	267.4	283.3	377.6	527.6	1177.9	2356.0	2438.0	2594.2	1440.9	705.0	388.3
85°	160.6	172.1	231.2	333.5	670.6	926.5	925.6	1023.6	678.5	453.6	204.8
87.5°	76.8	85.6	123.5	173.0	338.0	347.7	325.6	368.8	412.0	297.3	103.2
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°	2626.8	2626.8	2626.8	2626.8	2626.8	2626.8	2626.8	2626.8	2626.8	2626.8	2626.8
2.5°	2625.1	2621.6	2610.0	2601.3	2599.5	2594.2	2589.8	2592.4	2595.9	2596.8	2596.8
5°	2624.2	2614.5	2599.5	2593.3	2601.3	2611.8	2625.1	2642.7	2653.3	2661.2	2666.6
7.5°	2666.6	2648.0	2631.2	2627.7	2643.5	2671.9	2701.9	2738.8	2764.5	2782.2	2785.6
10°	2737.1	2714.2	2697.4	2700.9	2729.2	2769.8	2812.2	2859.8	2898.6	2922.5	2924.2
12.5°	2818.3	2796.2	2780.4	2795.4	2842.2	2891.5	2935.7	2977.1	3012.4	3036.3	3036.3
15°	2911.8	2895.9	2877.5	2911.8	2975.4	3019.5	3038.0	3058.3	3077.7	3095.3	3091.8
17.5°	3001.8	2986.8	2977.1	3017.7	3083.9	3104.2	3091.8	3076.8	3076.8	3086.5	3088.3
20°	3079.5	3066.3	3072.4	3112.1	3146.6	3125.3	3079.5	3031.8	3012.4	3017.7	3023.0
22.5°	3147.4	3141.3	3159.8	3178.3	3153.6	3079.5	2994.7	2930.4	2906.5	2904.8	2906.5
25°	3226.8	3225.9	3248.9	3215.3	3106.0	2969.2	2855.4	2792.7	2779.5	2790.1	2807.7
27.5°	3325.6	3335.4	3346.9	3224.2	3008.9	2802.4	2686.9	2643.5	2656.9	2682.4	2699.2
30°	3451.8	3478.3	3453.6	3202.1	2869.4	2611.8	2501.5	2489.2	2525.3	2561.6	2579.2
32.5°	3574.5	3616.0	3556.0	3144.8	2689.5	2409.7	2324.2	2320.7	2364.7	2400.0	2424.7
35°	3673.3	3755.3	3632.8	3031.0	2481.3	2223.6	2160.9	2137.1	2153.0	2194.4	2222.7
37.5°	3802.1	3938.9	3685.7	2857.1	2255.4	2070.1	1996.8	1942.1	1928.0	1944.8	1958.9
40°	4037.7	4218.6	3710.4	2614.5	2034.8	1916.5	1842.4	1762.1	1706.5	1665.9	1666.8
42.5°	4422.4	4583.0	3694.5	2319.7	1831.0	1766.5	1682.7	1590.1	1500.1	1408.2	1401.2
45°	5047.1	5124.8	3646.8	2007.4	1651.8	1609.4	1530.9	1438.3	1318.2	1214.2	1204.4
47.5°	6046.9	5874.8	3572.8	1734.7	1493.8	1476.2	1403.8	1297.1	1170.0	1086.2	1079.1
50°	7410.2	6957.5	3536.5	1517.7	1354.5	1359.8	1300.6	1187.6	1067.6	1005.9	998.8
52.5°	9040.8	8218.4	3606.3	1350.0	1242.4	1260.9	1216.8	1110.9	1010.4	961.8	954.7
55°	10732.3	9524.3	3681.3	1228.2	1136.5	1172.6	1157.6	1070.3	979.4	934.4	928.3
57.5°	12180.3	10499.4	3531.2	1129.4	1042.1	1098.6	1111.8	1044.7	963.6	923.0	915.9
60°	13091.8	10892.0	3137.7	1036.8	967.0	1039.4	1085.3	1037.7	969.7	966.2	960.9
62.5°	13524.1	10857.6	2547.4	963.6	920.3	1013.8	1104.7	1077.3	1040.4	1072.1	1074.7
65°	13330.0	10338.8	1897.1	915.1	886.7	1023.6	1162.9	1152.4	1060.6	1092.3	1096.8
67.5°	12052.4	9100.8	1404.8	872.7	849.8	1050.9	1268.9	1177.1	1020.9	1043.9	1029.7
70°	9741.4	7215.1	1083.6	825.0	811.8	1047.3	1316.5	1162.1	977.7	983.0	945.1
72.5°	6717.5	4920.1	881.5	780.9	757.1	954.7	1282.9	1125.0	941.5	900.9	850.6
75°	3653.1	2640.9	749.2	735.0	660.9	838.3	1221.2	1098.6	908.8	855.0	826.7
77.5°	1437.4	1095.9	650.3	672.4	577.9	740.3	1152.4	1048.3	863.8	793.2	779.1
80°	586.8	559.4	539.1	581.5	496.8	647.7	1069.4	989.1	810.0	735.9	707.7
82.5°	332.7	347.7	419.1	458.8	403.3	596.5	1029.7	941.5	745.6	659.2	625.6
85°	170.3	203.8	292.0	329.1	296.5	507.3	948.6	824.1	598.2	504.7	507.3
87.5°	82.1	113.8	184.4	206.4	192.4	367.0	708.5	597.4	465.9	368.8	357.3
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)