

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: P323166

Luminaire Tested: **GAN-SA2C-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10916 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

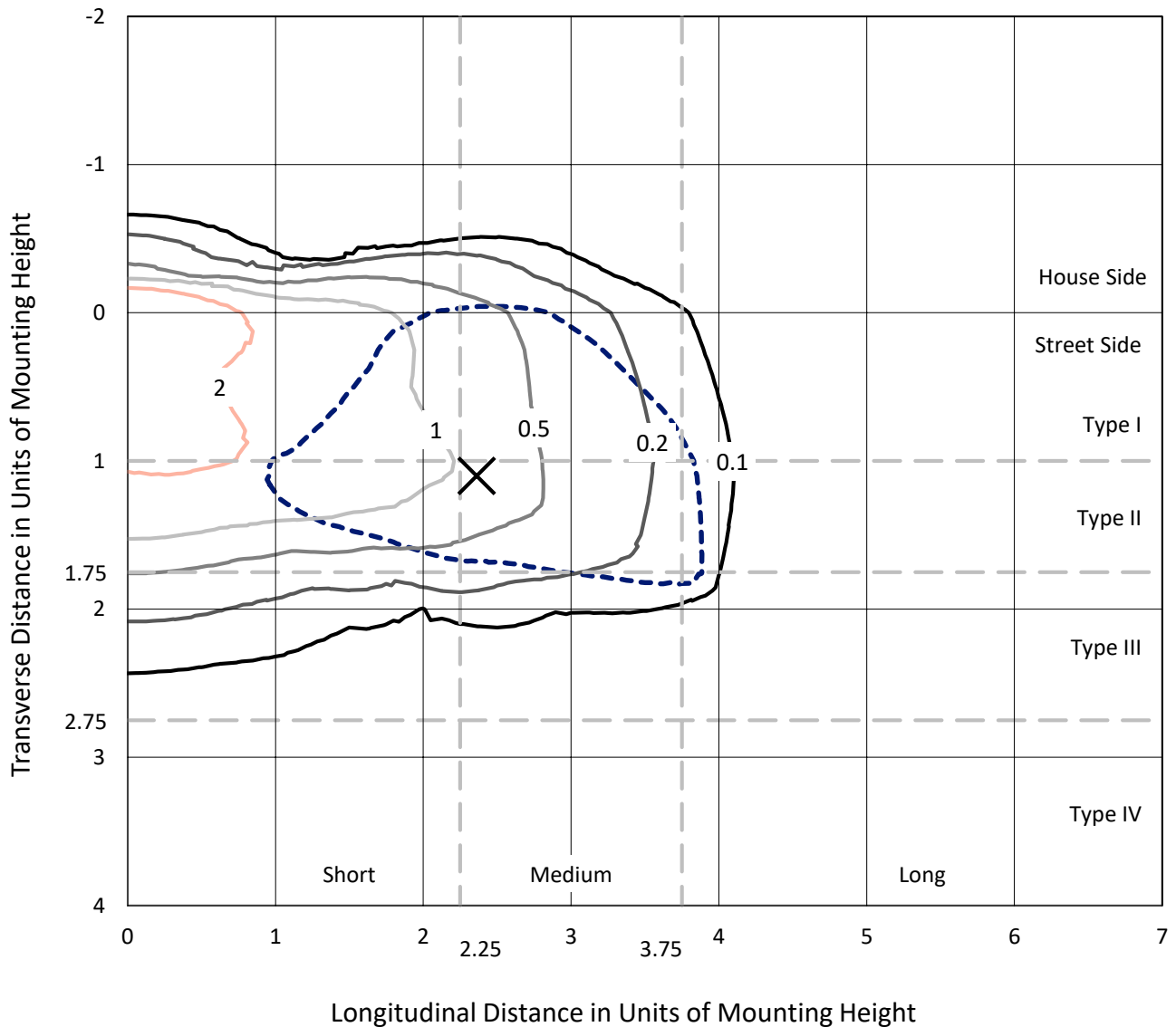
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

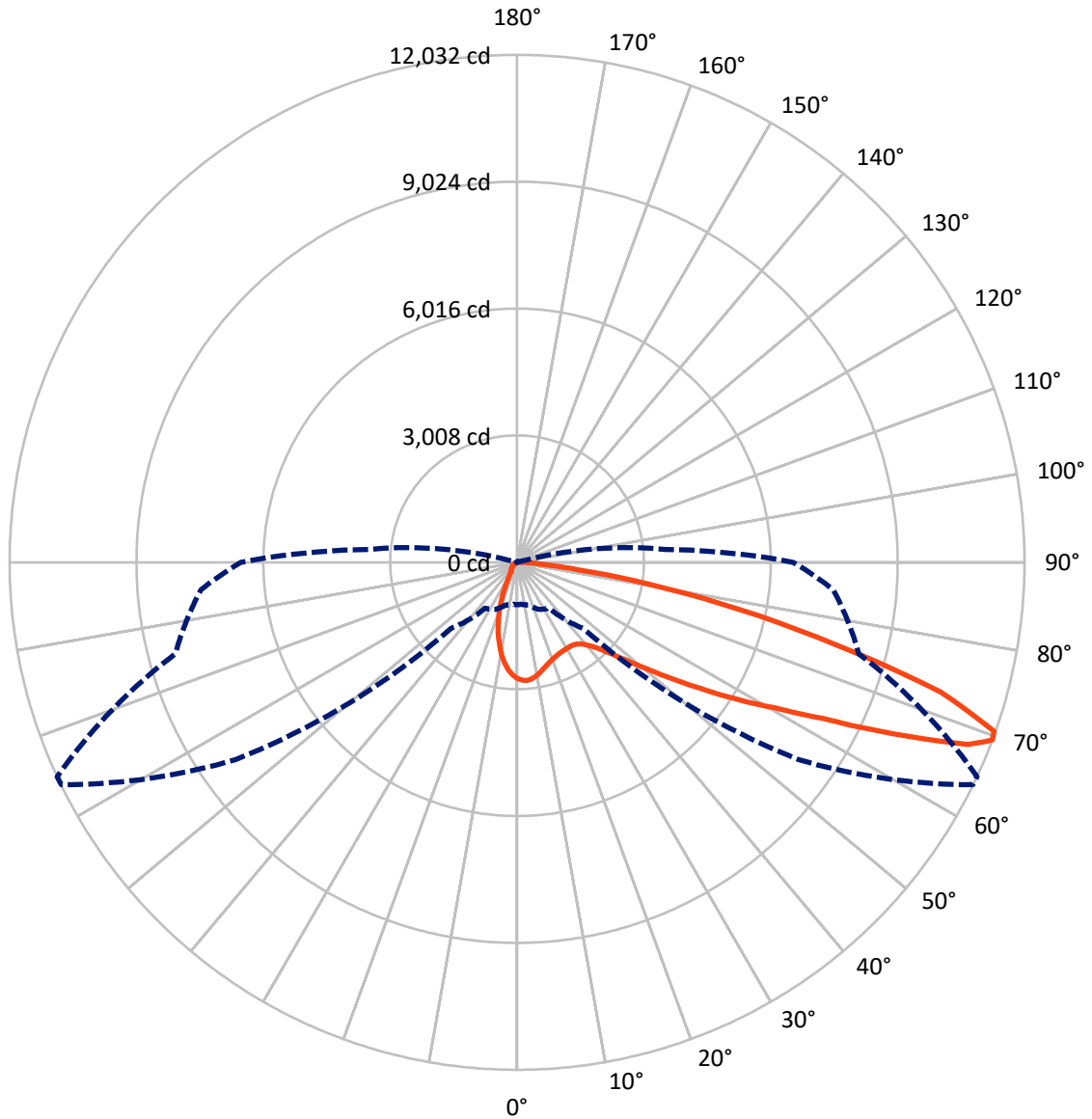
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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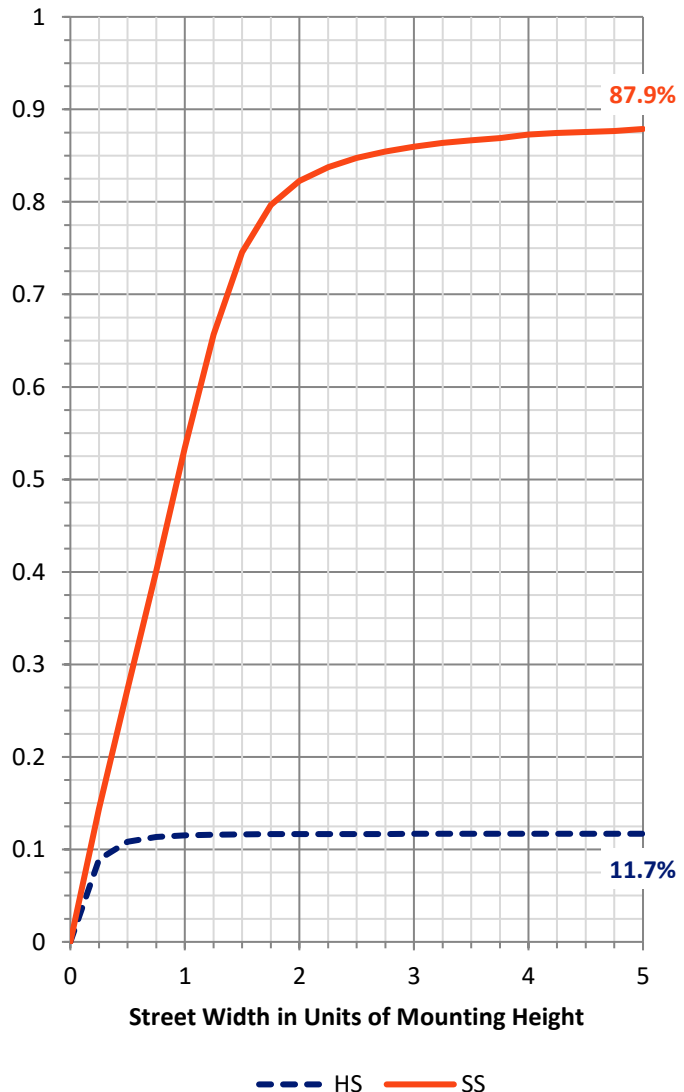
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1286.7	0.0	1286.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	9629.3	0.0	9629.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	10916.0	0.0	10916.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.7	2.1
10°-20°	504.9	4.6
20°-30°	699.4	6.4
30°-40°	975.1	8.9
40°-50°	1515.7	13.9
50°-60°	2433.3	22.3
60°-70°	2752.4	25.2
70°-80°	1616.5	14.8
80°-90°	188.0	1.7
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°	10916.0	100.0
0°-180°	10916.0	100.0

Coefficient of Utilization

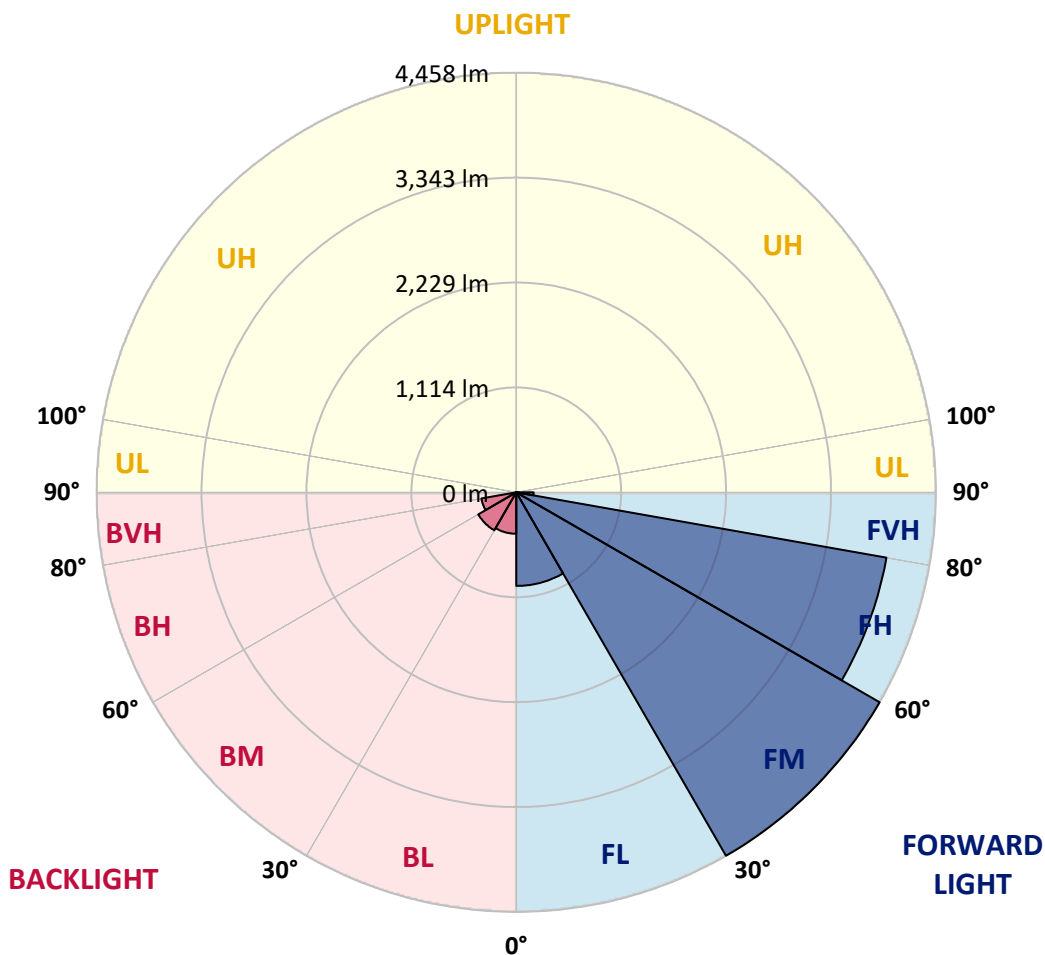


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	994.7	9.1			
FM (30°-60°)	4457.8	40.8			
FH (60°-80°)	3993.0	36.6			G2/5000
FVH (80°-90°)	183.8	1.7			G2/225
BL (0°-30°)	440.3	4.0	B1/500		
BM (30°-60°)	466.3	4.3	B1/1000		
BH (60°-80°)	376.0	3.4	B1/500		G1/500
BVH (80°-90°)	4.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5
2.5°	2783.0	2776.0	2781.6	2793.6	2799.6	2799.6	2804.2	2798.7	2800.5	2787.1	2767.7
5°	2608.8	2598.2	2613.5	2647.2	2688.7	2724.3	2777.0	2804.7	2807.5	2807.9	2785.3
7.5°	2421.3	2411.6	2434.2	2474.0	2527.5	2593.6	2685.5	2765.9	2770.5	2813.9	2797.3
10°	2268.9	2261.9	2288.3	2330.8	2393.6	2467.5	2580.2	2692.0	2705.4	2801.4	2795.4
12.5°	2147.9	2142.3	2167.3	2216.2	2280.4	2362.2	2480.0	2609.8	2627.8	2773.3	2786.2
15°	2059.6	2058.7	2079.5	2126.6	2197.7	2274.0	2394.5	2533.5	2554.3	2742.8	2784.8
17.5°	2013.4	2014.8	2030.1	2070.3	2131.2	2207.0	2322.5	2469.3	2492.0	2715.5	2791.7
20°	2008.8	2010.2	2018.5	2041.2	2090.6	2157.6	2263.8	2415.3	2438.9	2695.2	2802.8
22.5°	2049.5	2048.5	2050.9	2048.5	2076.3	2127.1	2225.0	2373.7	2401.0	2681.8	2811.6
25°	2127.5	2126.1	2125.2	2108.1	2089.7	2116.9	2208.8	2350.2	2376.0	2672.1	2816.7
27.5°	2236.1	2235.2	2233.8	2205.6	2150.2	2133.1	2210.7	2341.4	2363.1	2664.3	2815.8
30°	2378.8	2385.3	2383.4	2344.2	2257.8	2182.5	2230.1	2336.8	2355.7	2649.0	2806.1
32.5°	2546.5	2559.4	2569.6	2527.5	2419.5	2280.4	2274.9	2341.9	2355.7	2637.5	2788.5
35°	2720.6	2737.2	2774.7	2759.9	2617.6	2427.8	2352.0	2372.3	2383.9	2643.9	2780.2
37.5°	2892.0	2911.8	2993.1	3036.1	2877.2	2622.7	2472.1	2447.6	2453.6	2683.2	2789.4
40°	3091.1	3121.1	3244.4	3313.7	3187.1	2883.7	2651.8	2577.0	2579.3	2769.6	2832.4
42.5°	3352.5	3383.4	3516.9	3625.5	3536.3	3213.5	2895.7	2774.7	2772.3	2931.2	2933.6
45°	3671.2	3703.5	3841.7	3962.2	3922.0	3604.2	3207.9	3063.3	3060.6	3186.2	3125.2
47.5°	4032.4	4064.3	4187.6	4311.9	4355.3	4060.6	3605.6	3457.4	3450.9	3540.5	3421.3
50°	4342.4	4363.1	4476.8	4644.0	4839.8	4621.4	4100.3	3957.6	3950.7	4011.2	3856.0
52.5°	4455.1	4467.1	4582.6	4816.7	5305.4	5380.7	4750.2	4566.4	4561.3	4587.6	4434.7
55°	4226.9	4248.6	4390.4	4737.8	5557.6	6238.9	5570.6	5320.2	5281.9	5225.1	5039.8
57.5°	3605.2	3639.8	3792.2	4254.1	5439.8	6919.8	6776.1	6172.9	6116.5	5769.2	5531.8
60°	2701.2	2743.7	2870.3	3368.7	4811.2	7162.3	8093.5	7123.0	6996.0	6202.5	5984.0
62.5°	1853.6	1874.9	1960.8	2285.5	3543.3	6765.1	9195.6	8395.6	8163.7	6673.6	6473.1
65°	1415.7	1423.1	1458.2	1570.0	2110.0	5495.3	9633.9	10074.6	9794.2	7237.1	6980.8
67.5°	1140.9	1134.9	1183.4	1343.2	1413.0	3352.5	9122.6	11663.1	11531.9	7990.5	7491.6
69°	1006.0	997.7	1047.1	1232.8	1327.1	2216.2	8155.4	12023.8	12032.1	8388.2	7526.7
70°	905.3	910.9	959.8	1167.2	1298.0	1739.5	7231.6	11931.9	11997.5	8536.9	7316.1
72.5°	604.6	619.4	717.8	969.1	1248.1	1316.4	4366.4	10239.0	10491.2	8202.0	6276.8
75°	340.9	352.0	468.8	730.7	1176.0	1253.6	2306.3	7543.4	7787.2	6858.8	4840.3
77.5°	167.2	173.2	265.1	471.6	983.4	1194.5	1308.1	5123.9	5402.4	4476.8	2737.7
80°	70.7	73.9	132.6	291.0	703.0	1140.0	971.4	3153.4	3188.1	1753.9	729.3
82.5°	27.3	28.2	55.9	181.5	446.7	888.7	812.5	1495.2	1459.2	330.3	166.3
85°	3.2	3.7	20.3	109.0	248.5	457.3	660.1	644.4	596.3	65.6	85.5
87.5°	0.0	0.0	1.4	33.3	73.9	214.3	343.2	267.4	241.1	21.2	44.3
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°	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5
2.5°	2751.6	2746.9	2722.0	2686.0	2651.8	2609.3	2568.6	2544.2	2524.8	2511.8	2527.1
5°	2759.0	2738.6	2662.9	2565.9	2470.7	2363.6	2263.8	2179.3	2146.0	2109.1	2125.7
7.5°	2756.6	2718.3	2582.0	2409.3	2234.7	2054.1	1883.2	1751.5	1683.2	1616.2	1633.3
10°	2745.1	2680.4	2474.0	2218.1	1956.6	1697.0	1454.5	1270.2	1167.2	1073.9	1087.3
12.5°	2719.7	2629.6	2346.5	1999.1	1649.5	1307.2	1023.1	787.1	660.5	604.6	611.6
15°	2704.4	2580.2	2211.6	1777.4	1321.5	910.4	625.4	465.1	407.4	388.9	391.2
17.5°	2697.1	2532.6	2072.1	1523.8	986.2	579.7	404.2	356.6	344.1	340.9	341.8
20°	2689.7	2484.6	1928.5	1273.0	679.5	389.8	332.1	318.3	313.6	309.5	310.4
22.5°	2677.2	2438.4	1774.2	1019.0	458.2	316.4	299.3	285.9	276.2	271.1	272.1
25°	2662.0	2389.9	1616.7	758.9	334.4	282.2	266.1	247.1	235.6	226.3	226.8
27.5°	2637.5	2330.3	1454.1	552.4	280.8	252.7	231.0	210.2	190.8	180.1	180.1
30°	2603.3	2262.9	1273.5	395.4	251.7	223.6	197.2	171.4	150.6	140.9	140.0
32.5°	2565.4	2192.7	1091.0	299.8	228.6	196.3	166.3	139.0	120.6	112.7	112.2
35°	2533.1	2116.9	909.0	251.3	205.5	170.0	137.2	114.1	99.3	92.8	92.4
37.5°	2512.3	2041.2	731.7	224.5	184.8	145.5	115.0	94.2	83.6	78.5	78.1
40°	2509.1	1984.8	569.5	204.2	165.4	123.8	96.1	79.9	70.2	64.7	64.2
42.5°	2551.1	1952.5	437.0	187.1	145.5	104.9	81.8	68.4	58.2	52.7	52.2
45°	2661.5	1962.6	336.3	171.8	125.6	88.7	69.3	56.8	47.6	43.4	42.5
47.5°	2862.9	2032.8	267.4	156.6	106.7	75.3	59.1	47.1	39.3	35.1	34.6
50°	3221.3	2197.7	223.6	140.0	89.1	64.2	49.0	38.3	31.9	28.2	27.7
52.5°	3697.1	2491.5	199.5	123.8	73.9	54.5	40.2	30.5	24.9	22.2	21.7
55°	4221.8	2847.2	183.8	106.2	60.5	45.3	31.9	24.0	19.4	17.1	16.2
57.5°	4734.1	3155.3	169.1	89.1	50.3	37.0	25.4	18.9	15.2	12.9	12.5
60°	5204.7	3438.4	152.0	71.6	41.1	29.1	19.9	14.8	12.0	9.7	9.7
62.5°	5708.7	3657.4	128.4	55.9	33.7	22.2	16.2	13.4	9.7	8.3	7.9
65°	6242.6	3819.9	100.7	43.4	26.3	16.6	13.4	13.9	7.9	6.0	5.5
67.5°	6637.1	3787.6	74.4	34.2	20.3	12.9	12.9	14.8	6.9	4.6	4.2
69°	6550.3	3524.8	62.4	29.6	17.6	11.1	12.0	14.8	6.5	4.2	3.7
70°	6298.5	3233.8	55.0	26.3	15.7	10.2	11.5	14.3	6.0	4.2	3.7
72.5°	5245.4	2435.6	43.0	19.9	12.5	8.3	9.7	12.5	6.0	4.2	3.2
75°	3945.6	1558.9	32.8	14.3	9.2	6.5	7.4	9.2	6.0	3.7	3.2
77.5°	2146.9	562.1	23.6	9.7	6.5	5.1	5.1	6.9	5.5	2.8	1.8
80°	552.0	141.3	14.8	6.5	5.1	3.7	3.2	4.6	3.2	0.5	0.0
82.5°	136.3	31.9	7.9	4.6	3.7	1.4	1.4	2.3	1.4	0.0	0.0
85°	74.8	15.7	5.1	3.2	1.8	0.0	0.0	0.5	0.0	0.0	0.0
87.5°	38.3	4.6	1.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0
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)