

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: P528350

Luminaire Tested: **GLAN-SA3B-830-U-T3R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528350  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3B-830-U-T3R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11783 lumens  
Efficiency: N/A  
Efficacy: 97.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

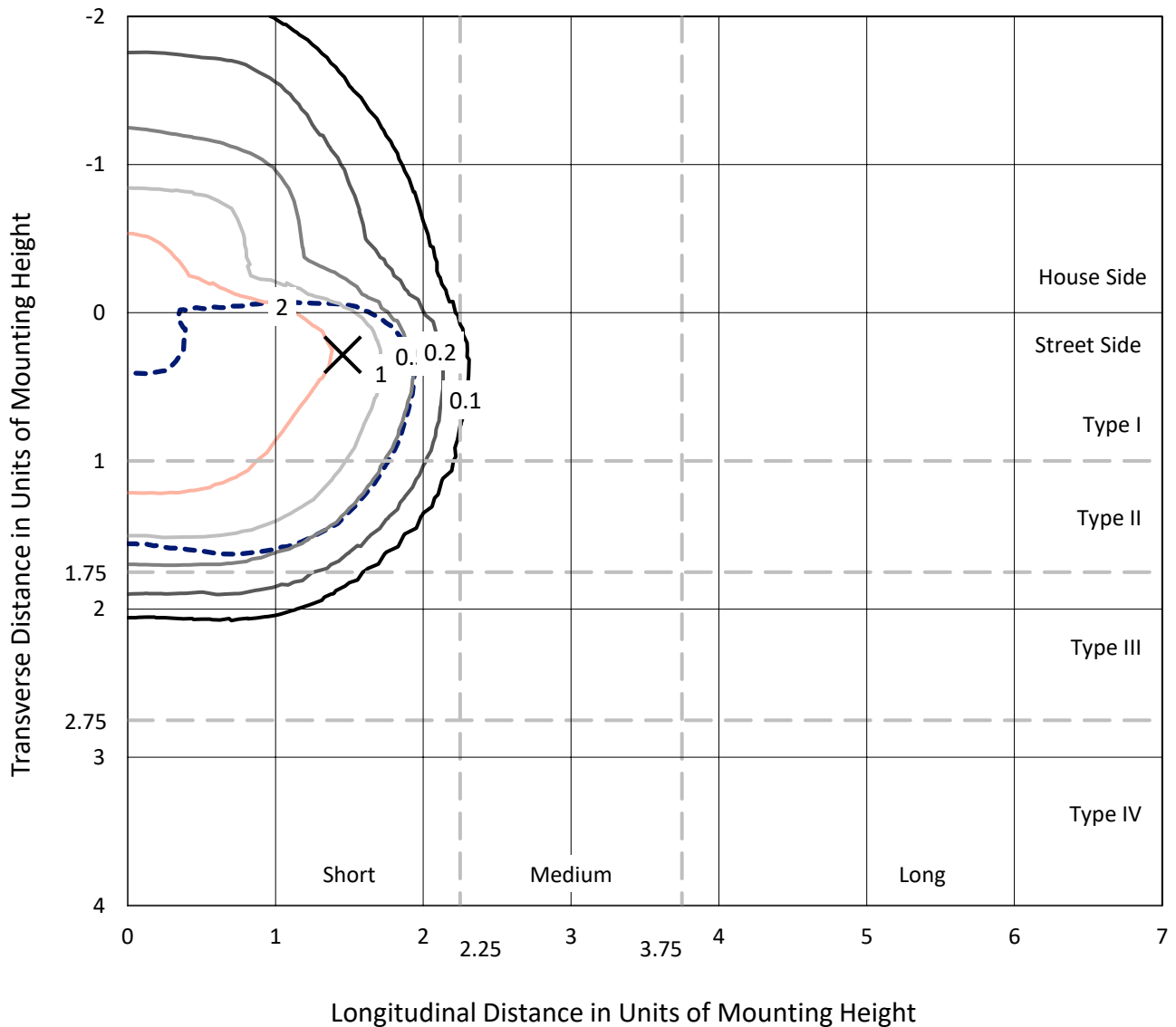
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

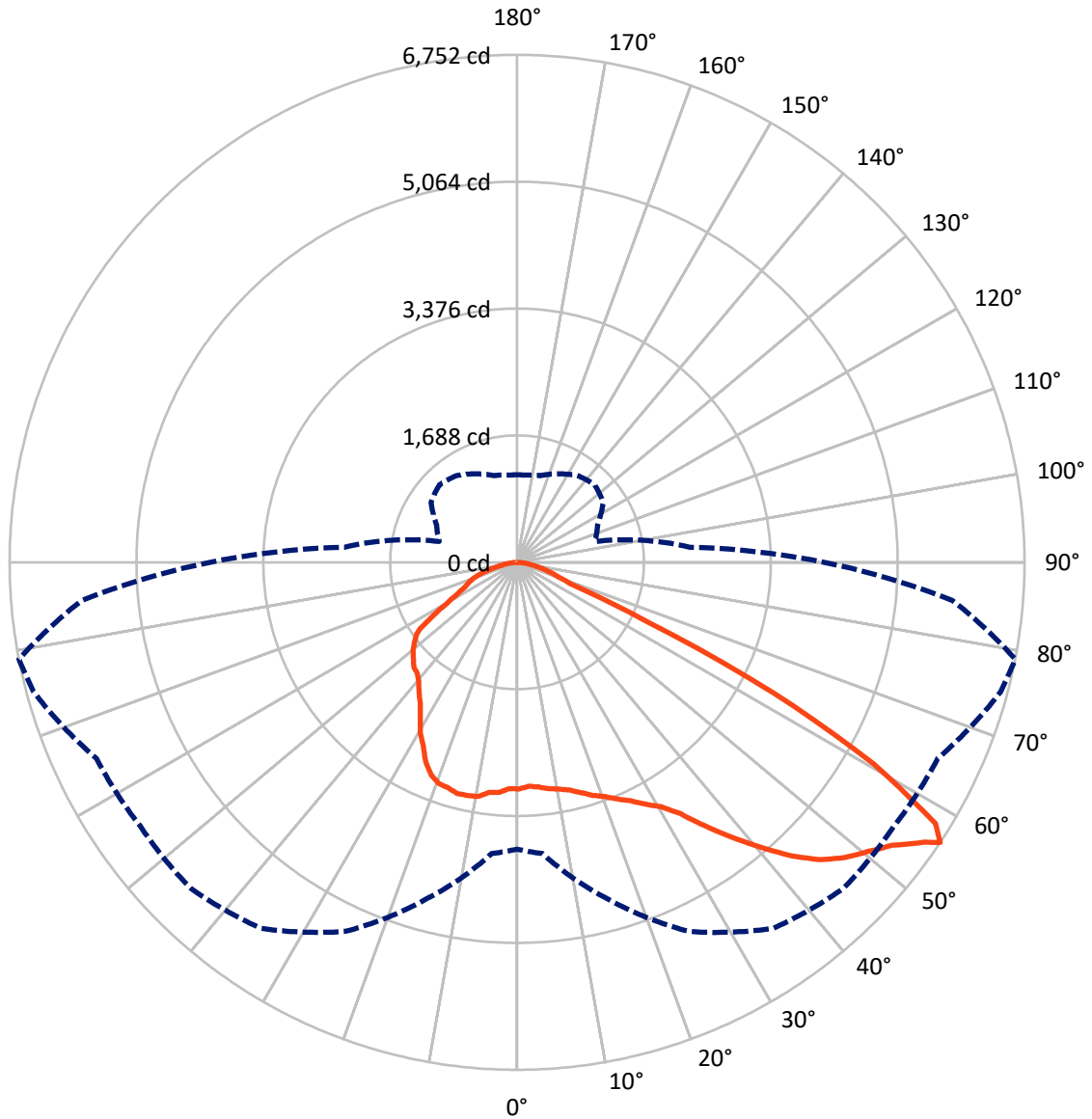
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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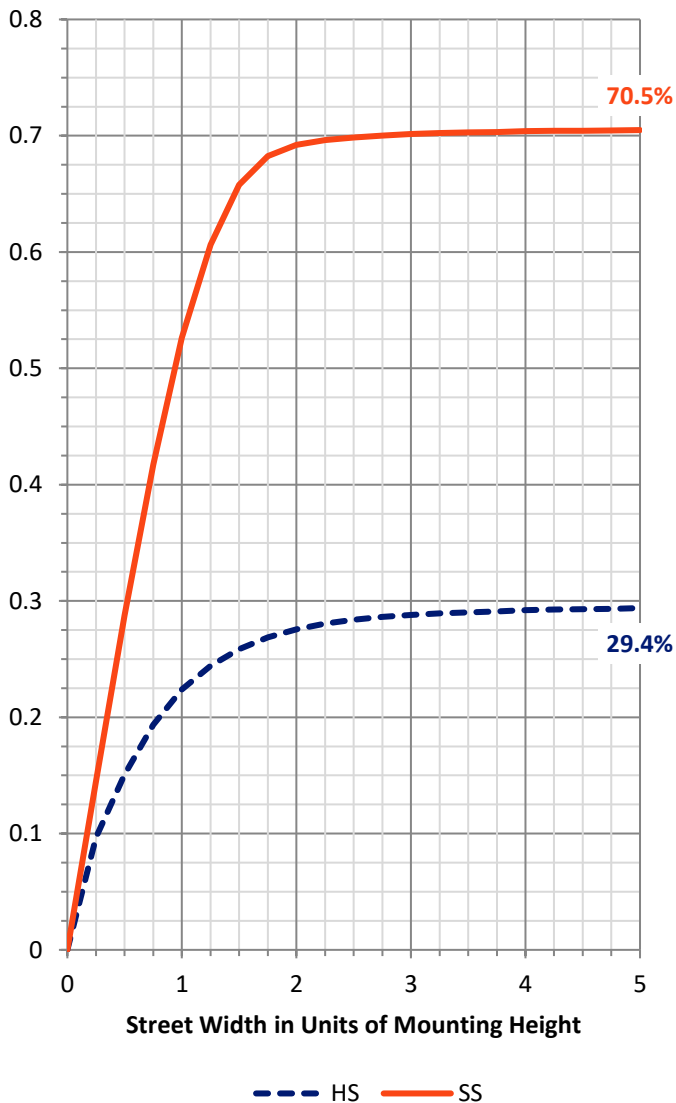
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3479.8	0.0	3479.8
	% Fixture	29.5	0.0	29.5
<b>Street Side</b>	Lumens	8303.2	0.0	8303.2
	% Fixture	70.5	0.0	70.5
<b>Total</b>	Lumens	11783.0	0.0	11783.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.1	2.3
10°-20°	750.1	6.4
20°-30°	1283.4	10.9
30°-40°	1966.9	16.7
40°-50°	2658.2	22.6
50°-60°	3053.1	25.9
60°-70°	1391.7	11.8
70°-80°	343.1	2.9
80°-90°	62.4	0.5
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°	11783.0	100.0
0°-180°	11783.0	100.0

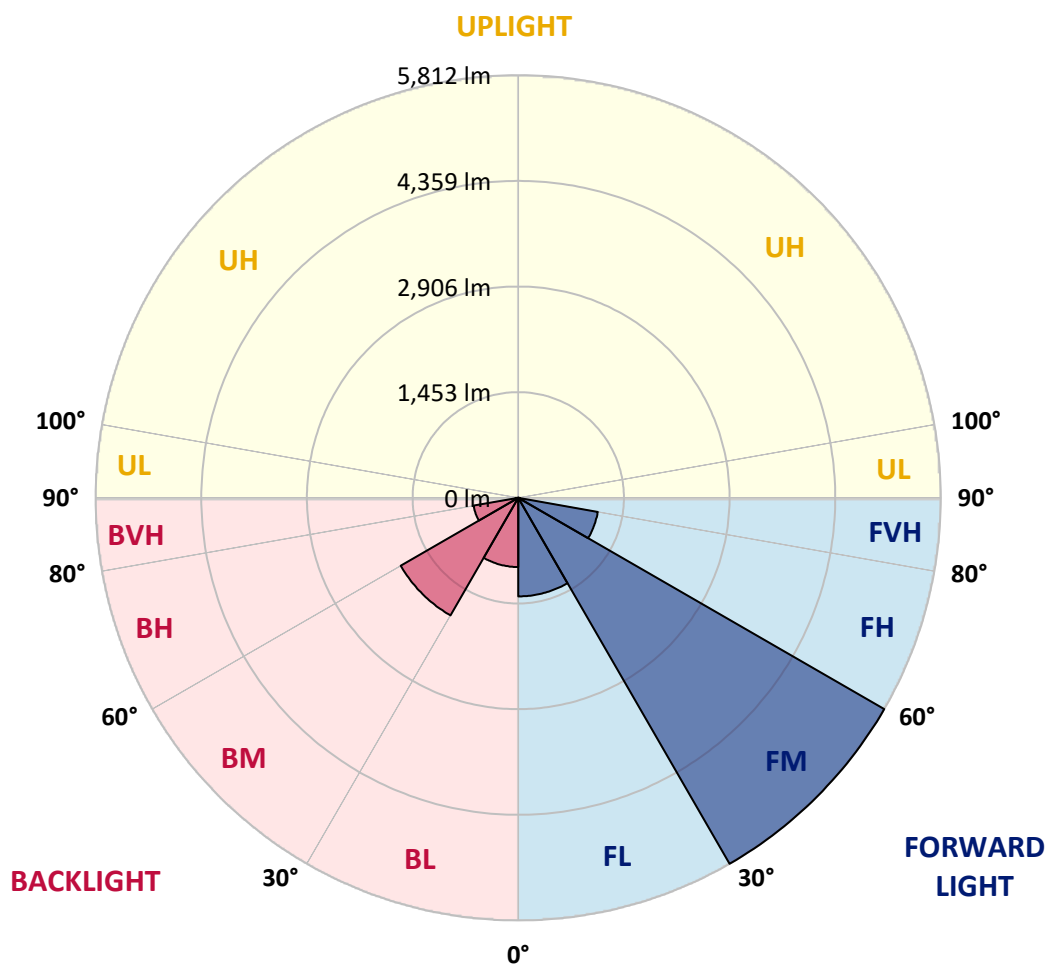


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1355.7	11.5			
FM (30°-60°)	5811.7	49.3			
FH (60°-80°)	1110.9	9.4			G1/1800
FVH (80°-90°)	24.9	0.2			G1/100
BL (0°-30°)	951.9	8.1	B2/1000		
BM (30°-60°)	1866.5	15.8	B2/2500		
BH (60°-80°)	623.9	5.3	B2/1000		G2/1000
BVH (80°-90°)	37.5	0.3			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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3014.8	3014.8	3014.8	3014.8	3014.8	3014.8	3014.8	3014.8	3014.8	3014.8	3014.8
2.5°	2868.0	2860.7	2878.3	2891.5	2907.7	2928.2	2938.5	2944.4	2995.7	2982.5	3022.1
5°	2806.4	2787.3	2800.5	2810.8	2838.7	2863.6	2891.5	2935.5	2982.5	3003.1	3051.5
7.5°	2752.1	2741.8	2738.9	2746.2	2784.4	2816.7	2865.1	2929.7	3006.0	3039.8	3067.6
10°	2662.5	2647.9	2669.9	2718.3	2728.6	2796.1	2851.9	2944.4	3010.4	3069.1	3151.3
12.5°	2622.9	2608.2	2612.6	2640.5	2712.4	2777.0	2843.1	2947.3	3086.7	3110.2	3220.3
15°	2686.0	2671.3	2675.7	2668.4	2737.4	2771.2	2875.4	3006.0	3139.6	3179.2	3296.6
17.5°	2829.9	2831.3	2812.3	2796.1	2780.0	2851.9	2923.8	3041.2	3160.1	3259.9	3348.0
20°	3104.3	3055.9	3017.7	2926.7	2901.8	2932.6	3023.6	3136.6	3243.8	3326.0	3425.8
22.5°	3315.7	3320.1	3265.8	3116.1	3061.8	3075.0	3152.8	3245.2	3362.7	3421.4	3535.9
25°	3622.5	3591.6	3532.9	3414.0	3292.2	3302.5	3359.7	3443.4	3475.7	3516.8	3641.5
27.5°	3902.8	3911.6	3795.7	3684.1	3532.9	3503.6	3606.3	3621.0	3566.7	3644.5	3687.0
30°	4187.6	4180.2	4103.9	3973.3	3825.0	3830.9	3876.4	3804.5	3729.6	3772.2	3801.5
32.5°	4482.6	4398.9	4396.0	4278.6	4165.5	4111.2	4055.5	4090.7	3974.7	3983.5	3955.6
35°	4718.9	4730.6	4663.1	4579.4	4523.7	4428.3	4275.6	4338.7	4316.7	4306.4	4186.1
37.5°	4890.6	4845.1	4878.9	4851.0	4798.1	4679.3	4520.7	4580.9	4591.2	4641.1	4501.7
40°	5031.5	5012.4	5102.0	5116.7	5080.0	4823.1	4538.4	4717.4	4871.5	4980.1	4814.3
42.5°	5099.0	5140.1	5234.1	5347.1	5264.9	4990.4	4629.4	4821.6	5165.1	5336.8	5110.8
45°	5190.0	5137.2	5276.6	5483.6	5485.1	5131.3	4717.4	4962.5	5394.1	5643.6	5313.3
47.5°	5097.6	5124.0	5267.8	5530.6	5598.1	5279.6	4955.2	5162.2	5646.5	5868.2	5501.2
50°	4890.6	4943.5	5206.2	5479.2	5683.2	5436.6	5228.2	5377.9	5879.9	6048.7	5532.0
52.5°	4674.9	4704.2	5115.2	5518.8	5721.4	5639.2	5593.7	5675.9	6164.6	6252.7	5570.2
55°	4087.7	4227.2	4814.3	5501.2	5907.8	6004.7	5969.4	6089.8	6487.6	6575.6	5778.6
56°	3816.2	3889.6	4633.8	5419.0	5944.5	6138.2	6120.6	6174.9	6659.3	6751.7	5810.9
57.5°	3314.2	3320.1	3951.2	5055.0	5806.5	6177.9	6160.2	6202.8	6625.5	6562.4	5527.6
60°	2074.0	2165.0	2689.0	3888.1	4937.6	5731.6	5831.5	5489.5	5586.3	5452.8	4300.6
62.5°	1074.4	1061.2	1409.1	2273.6	3277.5	4103.9	4196.4	4180.2	4030.5	3835.3	2809.3
65°	535.7	538.7	736.8	1125.8	1679.1	2148.8	2407.1	2435.0	2037.3	1874.3	1332.7
67.5°	389.0	403.6	529.9	688.4	791.1	885.1	1084.7	1064.1	805.8	766.2	710.4
70°	302.4	315.6	430.1	525.5	477.0	477.0	519.6	537.2	573.9	590.0	609.1
72.5°	220.2	230.4	328.8	362.5	312.6	336.1	389.0	430.1	468.2	474.1	496.1
75°	151.2	160.0	215.8	199.6	187.9	231.9	284.7	322.9	350.8	365.5	378.7
77.5°	98.3	101.3	123.3	104.2	120.4	149.7	184.9	217.2	245.1	256.9	259.8
80°	44.0	48.4	52.8	66.0	83.7	107.1	132.1	158.5	176.1	180.5	189.3
82.5°	25.0	25.0	32.3	47.0	61.6	77.8	95.4	114.5	135.0	139.4	138.0
85°	13.2	13.2	19.1	27.9	38.2	45.5	44.0	45.5	48.4	55.8	54.3
87.5°	4.4	4.4	5.9	5.9	7.3	8.8	7.3	10.3	13.2	13.2	13.2
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°	3014.8	3014.8	3014.8	3014.8	3014.8	3014.8	3014.8	3014.8	3014.8	3014.8	3014.8
2.5°	3010.4	3023.6	3006.0	3044.2	3044.2	3036.8	3000.1	3011.9	3020.7	3020.7	3028.0
5°	3067.6	3063.2	3075.0	3029.5	3001.6	2991.3	2931.1	2901.8	2876.8	2875.4	2853.3
7.5°	3099.9	3088.2	3083.8	3050.0	2926.7	2851.9	2722.7	2647.9	2631.7	2574.5	2596.5
10°	3151.3	3173.3	3151.3	2967.8	2796.1	2624.4	2498.1	2382.2	2336.7	2300.0	2278.0
12.5°	3257.0	3246.7	3119.0	2871.0	2630.2	2426.2	2238.4	2116.5	2071.0	2038.7	2035.8
15°	3346.5	3295.1	3099.9	2718.3	2371.9	2154.7	2000.6	1914.0	1893.4	1896.4	1909.6
17.5°	3377.3	3342.1	3000.1	2559.8	2179.6	1924.2	1852.3	1839.1	1858.2	1880.2	1886.1
20°	3425.8	3370.0	2959.0	2344.0	1941.9	1780.4	1776.0	1823.0	1858.2	1890.5	1894.9
22.5°	3527.1	3386.1	2825.5	2140.0	1778.9	1737.8	1780.4	1820.0	1874.3	1900.8	1877.3
25°	3556.4	3350.9	2637.6	1894.9	1676.2	1711.4	1756.9	1811.2	1849.4	1864.1	1874.3
27.5°	3581.4	3296.6	2383.7	1732.0	1643.9	1710.0	1756.9	1802.4	1823.0	1836.2	1847.9
30°	3651.8	3280.5	2163.5	1623.4	1623.4	1680.6	1740.8	1752.5	1780.4	1796.6	1817.1
32.5°	3687.0	3168.9	1937.5	1554.4	1602.8	1695.3	1699.7	1721.7	1723.2	1736.4	1714.4
35°	3779.5	3089.7	1727.6	1504.5	1611.6	1680.6	1702.6	1689.4	1617.5	1582.3	1589.6
37.5°	3847.0	3050.0	1576.4	1498.6	1613.1	1696.7	1708.5	1608.7	1533.8	1475.1	1489.8
40°	4029.0	2951.7	1461.9	1488.3	1626.3	1714.4	1682.1	1573.5	1438.4	1378.2	1368.0
42.5°	4168.5	2881.2	1390.0	1476.6	1636.6	1739.3	1668.9	1503.0	1365.0	1309.3	1323.9
45°	4329.9	2865.1	1351.8	1479.5	1654.2	1752.5	1652.7	1448.7	1301.9	1279.9	1275.5
47.5°	4387.2	2749.1	1310.7	1454.6	1649.8	1748.1	1598.4	1407.6	1278.4	1281.4	1293.1
50°	4291.8	2630.2	1279.9	1403.2	1620.4	1708.5	1513.3	1353.3	1265.2	1301.9	1322.5
52.5°	4169.9	2508.4	1216.8	1334.2	1560.2	1646.8	1473.6	1350.3	1252.0	1240.3	1244.7
55°	4206.6	2408.6	1128.7	1240.3	1463.4	1532.4	1429.6	1322.5	1219.7	1175.7	1190.4
56°	4087.7	2305.9	1071.5	1181.6	1397.3	1459.0	1407.6	1297.5	1193.3	1163.9	1163.9
57.5°	3751.6	1960.9	996.6	1087.6	1257.9	1331.3	1365.0	1282.8	1163.9	1112.6	1114.0
60°	2766.7	1394.4	893.9	958.5	1042.1	1100.8	1257.9	1241.7	1090.6	1055.3	1042.1
62.5°	1705.6	1018.6	820.5	845.4	888.0	936.4	1097.9	1124.3	1012.8	974.6	965.8
65°	955.5	779.4	764.7	775.0	795.5	820.5	911.5	970.2	893.9	835.2	832.2
67.5°	698.7	697.2	708.9	717.7	726.5	726.5	748.6	772.0	761.8	714.8	710.4
70°	620.9	625.3	634.1	635.5	638.5	628.2	610.6	603.3	615.0	585.6	579.8
72.5°	512.3	526.9	537.2	538.7	522.5	509.3	485.8	460.9	452.1	446.2	444.7
75°	393.4	403.6	408.0	406.6	400.7	381.6	353.7	328.8	312.6	295.0	303.8
77.5°	265.7	280.3	287.7	287.7	278.9	249.5	236.3	217.2	201.1	182.0	184.9
80°	186.4	196.7	208.4	207.0	192.3	177.6	158.5	140.9	127.7	113.0	111.6
82.5°	139.4	145.3	151.2	148.2	138.0	123.3	110.1	93.9	79.3	69.0	69.0
85°	49.9	54.3	66.0	69.0	74.9	74.9	63.1	52.8	42.6	35.2	35.2
87.5°	14.7	14.7	16.1	16.1	14.7	16.1	13.2	14.7	16.1	10.3	10.3
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)