

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: P527986

Luminaire Tested: **GLAN-SA3A-735-U-T3R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527986  
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-SA3A-735-U-T3R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 615mA 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: 11102 lumens  
Efficiency: N/A  
Efficacy: 119.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

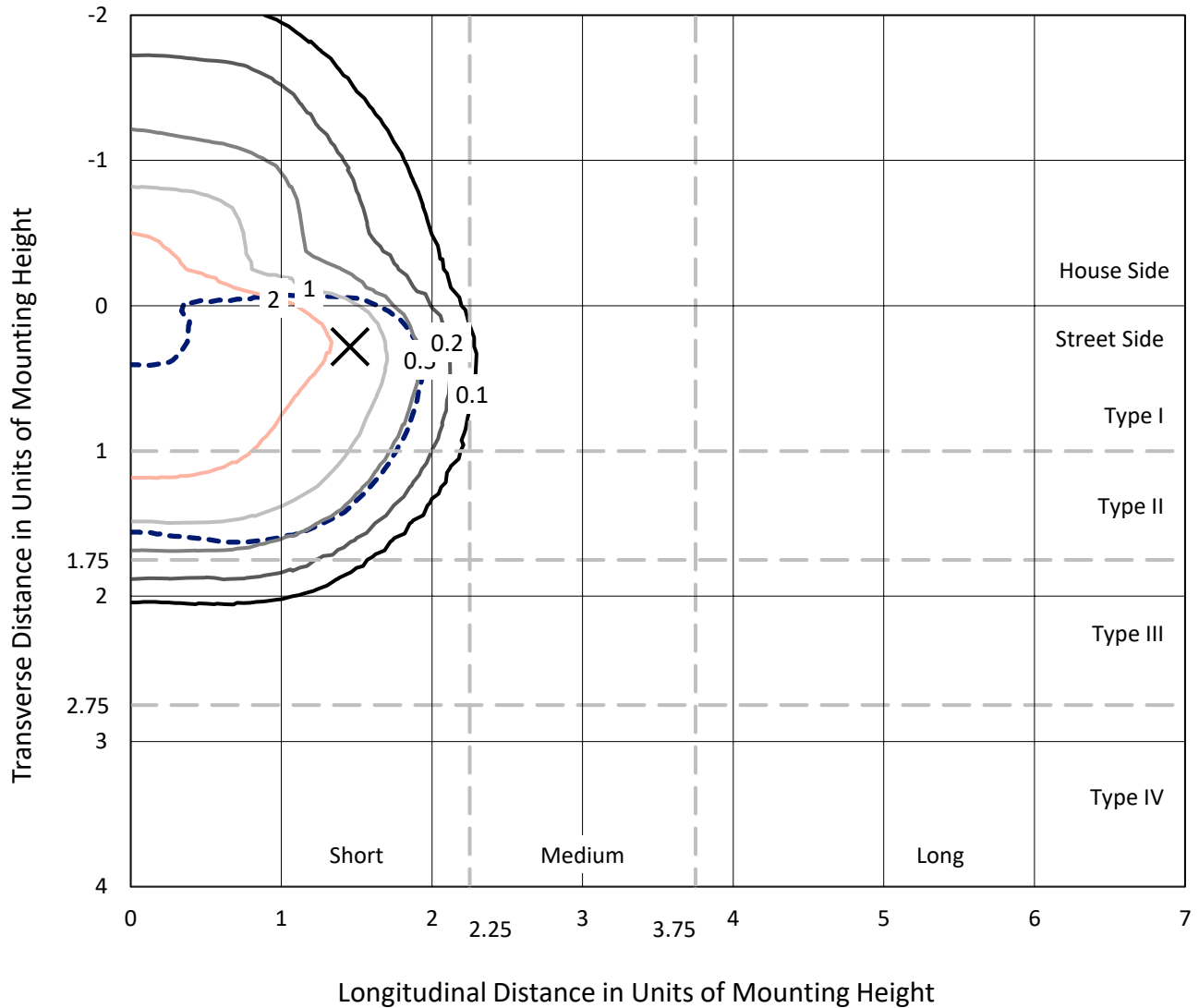
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P527986  
 CATALOG NUMBER: GLAN-SA3A-735-U-T3R-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

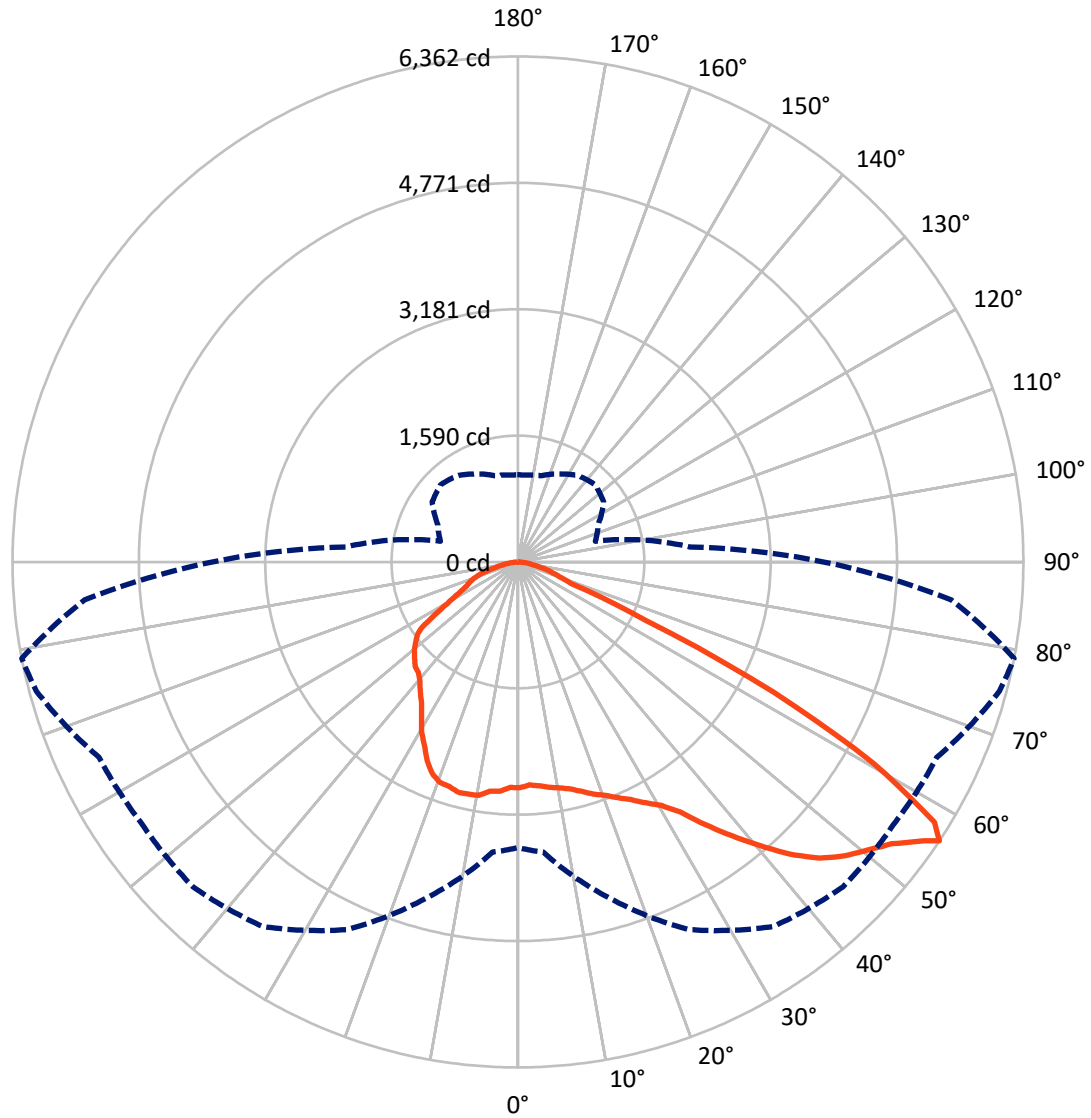
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P527986  
CATALOG NUMBER: GLAN-SA3A-735-U-T3R-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P527986  
 CATALOG NUMBER: GLAN-SA3A-735-U-T3R-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3278.7	0.0	3278.7
	% Fixture	29.5	0.0	29.5
<b>Street Side</b>	Lumens	7823.3	0.0	7823.3
	% Fixture	70.5	0.0	70.5
<b>Total</b>	Lumens	11102.0	0.0	11102.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.3	2.3
10°-20°	706.8	6.4
20°-30°	1209.2	10.9
30°-40°	1853.2	16.7
40°-50°	2504.6	22.6
50°-60°	2876.6	25.9
60°-70°	1311.3	11.8
70°-80°	323.3	2.9
80°-90°	58.8	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°	11102.0	100.0
0°-180°	11102.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P527986

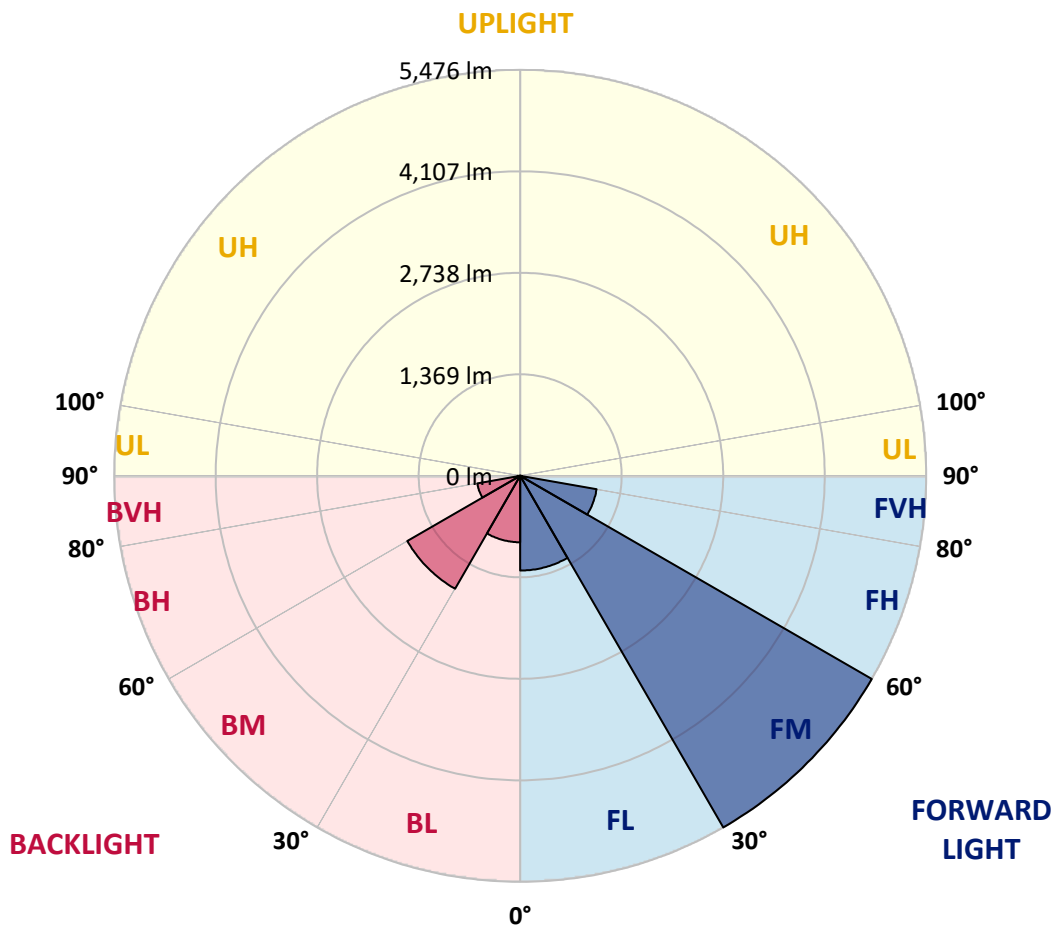
CATALOG NUMBER: GLAN-SA3A-735-U-T3R-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1277.4	11.5			
FM (30°-60°)	5475.8	49.3			
FH (60°-80°)	1046.7	9.4			G1/1800
FVH (80°-90°)	23.5	0.2			G1/100
BL (0°-30°)	896.9	8.1	B2/1000		
BM (30°-60°)	1758.6	15.8	B2/2500		
BH (60°-80°)	587.9	5.3	B2/1000		G2/1000
BVH (80°-90°)	35.3	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





REPORT NUMBER: P527986

CATALOG NUMBER: GLAN-SA3A-735-U-T3R-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2840.6	2840.6	2840.6	2840.6	2840.6	2840.6	2840.6	2840.6	2840.6	2840.6	2840.6
2.5°	2702.3	2695.4	2711.9	2724.4	2739.6	2759.0	2768.6	2774.2	2822.6	2810.1	2847.5
5°	2644.2	2626.2	2638.7	2648.3	2674.6	2698.1	2724.4	2765.9	2810.1	2829.5	2875.1
7.5°	2593.0	2583.3	2580.6	2587.5	2623.4	2653.9	2699.5	2760.4	2832.3	2864.1	2890.3
10°	2508.7	2494.8	2515.6	2561.2	2570.9	2634.5	2687.1	2774.2	2836.4	2891.7	2969.2
12.5°	2471.3	2457.5	2461.6	2487.9	2555.7	2616.5	2678.8	2776.9	2908.3	2930.5	3034.2
15°	2530.8	2517.0	2521.1	2514.2	2579.2	2611.0	2709.2	2832.3	2958.1	2995.5	3106.1
17.5°	2666.3	2667.7	2649.7	2634.5	2619.3	2687.1	2754.8	2865.5	2977.5	3071.5	3154.5
20°	2924.9	2879.3	2843.3	2757.6	2734.1	2763.1	2848.9	2955.3	3056.3	3133.7	3227.8
22.5°	3124.1	3128.2	3077.0	2936.0	2884.8	2897.3	2970.6	3057.7	3168.3	3223.6	3331.5
25°	3413.1	3384.1	3328.7	3216.7	3101.9	3111.6	3165.6	3244.4	3274.8	3313.5	3431.1
27.5°	3677.2	3685.5	3576.3	3471.2	3328.7	3301.1	3397.9	3411.7	3360.5	3433.8	3473.9
30°	3945.5	3938.6	3866.7	3743.6	3603.9	3609.5	3652.3	3584.6	3514.1	3554.2	3581.8
32.5°	4223.5	4144.7	4141.9	4031.3	3924.8	3873.6	3821.1	3854.3	3745.0	3753.3	3727.0
35°	4446.2	4457.2	4393.6	4314.8	4262.2	4172.3	4028.5	4088.0	4067.2	4057.6	3944.1
37.5°	4608.0	4565.1	4596.9	4570.6	4520.8	4408.8	4259.5	4316.2	4325.8	4372.9	4241.5
40°	4740.7	4722.7	4807.1	4820.9	4786.4	4544.3	4276.1	4444.8	4590.0	4692.3	4536.0
42.5°	4804.3	4843.1	4931.6	5038.1	4960.6	4702.0	4361.8	4543.0	4866.6	5028.4	4815.4
45°	4890.1	4840.3	4971.7	5166.7	5168.1	4834.8	4444.8	4675.7	5082.3	5317.4	5006.2
47.5°	4803.0	4827.8	4963.4	5210.9	5274.5	4974.4	4668.8	4863.8	5320.2	5529.0	5183.3
50°	4608.0	4657.7	4905.3	5162.5	5354.8	5122.4	4926.0	5067.1	5540.1	5699.1	5212.3
52.5°	4404.7	4432.3	4819.6	5199.9	5390.7	5313.3	5270.4	5347.8	5808.4	5891.3	5248.3
55°	3851.5	3982.9	4536.0	5183.3	5566.3	5657.6	5624.4	5737.8	6112.6	6195.6	5444.6
56°	3595.6	3664.8	4365.9	5105.8	5600.9	5783.5	5766.9	5818.0	6274.4	6361.5	5475.1
57.5°	3122.7	3128.2	3722.9	4762.9	5470.9	5820.8	5804.2	5844.3	6242.6	6183.1	5208.2
60°	1954.1	2039.8	2533.5	3663.4	4652.2	5400.4	5494.4	5172.2	5263.5	5137.6	4052.0
62.5°	1012.3	999.9	1327.6	2142.2	3088.1	3866.7	3953.8	3938.6	3797.6	3613.6	2647.0
65°	504.8	507.5	694.2	1060.7	1582.1	2024.6	2268.0	2294.3	1919.5	1766.0	1255.7
67.5°	366.5	380.3	499.2	648.6	745.4	833.9	1022.0	1002.6	759.2	721.9	669.3
70°	284.9	297.3	405.2	495.1	449.5	449.5	489.6	506.2	540.7	555.9	573.9
72.5°	207.4	217.1	309.8	341.6	294.6	316.7	366.5	405.2	441.2	446.7	467.4
75°	142.4	150.7	203.3	188.1	177.0	218.5	268.3	304.2	330.5	344.4	356.8
77.5°	92.7	95.4	116.2	98.2	113.4	141.1	174.3	204.7	231.0	242.0	244.8
80°	41.5	45.6	49.8	62.2	78.8	101.0	124.5	149.4	166.0	170.1	178.4
82.5°	23.5	23.5	30.4	44.3	58.1	73.3	89.9	107.9	127.2	131.4	130.0
85°	12.4	12.4	18.0	26.3	36.0	42.9	41.5	42.9	45.6	52.6	51.2
87.5°	4.1	4.1	5.5	5.5	6.9	8.3	6.9	9.7	12.4	12.4	12.4
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: P527986

CATALOG NUMBER: GLAN-SA3A-735-U-T3R-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2840.6	2840.6	2840.6	2840.6	2840.6	2840.6	2840.6	2840.6	2840.6	2840.6	2840.6
2.5°	2836.4	2848.9	2832.3	2868.2	2868.2	2861.3	2826.7	2837.8	2846.1	2846.1	2853.0
5°	2890.3	2886.2	2897.3	2854.4	2828.1	2818.4	2761.7	2734.1	2710.6	2709.2	2688.4
7.5°	2920.8	2909.7	2905.6	2873.8	2757.6	2687.1	2565.4	2494.8	2479.6	2425.7	2446.4
10°	2969.2	2989.9	2969.2	2796.3	2634.5	2472.7	2353.8	2244.5	2201.6	2167.1	2146.3
12.5°	3068.7	3059.1	2938.8	2705.0	2478.2	2286.0	2109.0	1994.2	1951.3	1920.9	1918.1
15°	3153.1	3104.7	2920.8	2561.2	2234.8	2030.2	1884.9	1803.4	1784.0	1786.8	1799.2
17.5°	3182.1	3149.0	2826.7	2411.9	2053.7	1813.0	1745.3	1732.8	1750.8	1771.5	1777.1
20°	3227.8	3175.2	2788.0	2208.6	1829.6	1677.5	1673.4	1717.6	1750.8	1781.2	1785.4
22.5°	3323.2	3190.4	2662.2	2016.3	1676.1	1637.4	1677.5	1714.8	1766.0	1790.9	1768.8
25°	3350.9	3157.3	2485.1	1785.4	1579.3	1612.5	1655.4	1706.6	1742.5	1756.3	1766.0
27.5°	3374.4	3106.1	2245.9	1631.9	1548.9	1611.1	1655.4	1698.3	1717.6	1730.1	1741.1
30°	3440.8	3090.9	2038.5	1529.5	1529.5	1583.5	1640.2	1651.2	1677.5	1692.7	1712.1
32.5°	3473.9	2985.8	1825.5	1464.5	1510.2	1597.3	1601.4	1622.2	1623.6	1636.0	1615.3
35°	3561.1	2911.1	1627.7	1417.5	1518.5	1583.5	1604.2	1591.8	1524.0	1490.8	1497.7
37.5°	3624.7	2873.8	1485.3	1412.0	1519.9	1598.7	1609.7	1515.7	1445.2	1389.9	1403.7
40°	3796.2	2781.1	1377.4	1402.3	1532.3	1615.3	1584.9	1482.5	1355.3	1298.6	1288.9
42.5°	3927.6	2714.7	1309.6	1391.2	1542.0	1638.8	1572.4	1416.1	1286.1	1233.6	1247.4
45°	4079.7	2699.5	1273.7	1394.0	1558.6	1651.2	1557.2	1365.0	1226.7	1205.9	1201.8
47.5°	4133.6	2590.2	1235.0	1370.5	1554.4	1647.1	1506.0	1326.2	1204.5	1207.3	1218.4
50°	4043.7	2478.2	1205.9	1322.1	1526.8	1609.7	1425.8	1275.1	1192.1	1226.7	1246.0
52.5°	3928.9	2363.4	1146.5	1257.1	1470.1	1551.7	1388.5	1272.3	1179.6	1168.6	1172.7
55°	3963.5	2269.4	1063.5	1168.6	1378.8	1443.8	1347.0	1246.0	1149.2	1107.7	1121.6
56°	3851.5	2172.6	1009.5	1113.3	1316.6	1374.6	1326.2	1222.5	1124.3	1096.7	1096.7
57.5°	3534.8	1847.6	939.0	1024.8	1185.2	1254.3	1286.1	1208.7	1096.7	1048.3	1049.7
60°	2606.8	1313.8	842.2	903.1	981.9	1037.2	1185.2	1170.0	1027.5	994.3	981.9
62.5°	1607.0	959.8	773.1	796.6	836.7	882.3	1034.4	1059.3	954.2	918.3	910.0
65°	900.3	734.3	720.5	730.2	749.6	773.1	858.8	914.1	842.2	786.9	784.1
67.5°	658.3	656.9	668.0	676.3	684.6	684.6	705.3	727.4	717.7	673.5	669.3
70°	585.0	589.1	597.4	598.8	601.6	591.9	575.3	568.4	579.5	551.8	546.3
72.5°	482.6	496.5	506.2	507.5	492.3	479.9	457.8	434.2	425.9	420.4	419.0
75°	370.6	380.3	384.5	383.1	377.5	359.6	333.3	309.8	294.6	278.0	286.3
77.5°	250.3	264.1	271.1	271.1	262.8	235.1	222.7	204.7	189.5	171.5	174.3
80°	175.6	185.3	196.4	195.0	181.2	167.3	149.4	132.8	120.3	106.5	105.1
82.5°	131.4	136.9	142.4	139.7	130.0	116.2	103.7	88.5	74.7	65.0	65.0
85°	47.0	51.2	62.2	65.0	70.5	70.5	59.5	49.8	40.1	33.2	33.2
87.5°	13.8	13.8	15.2	15.2	13.8	15.2	12.4	13.8	15.2	9.7	9.7
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)