

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: P386342

Luminaire Tested: GAW-SA2A-727-U-T3-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2A-727-U-T3-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5927 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

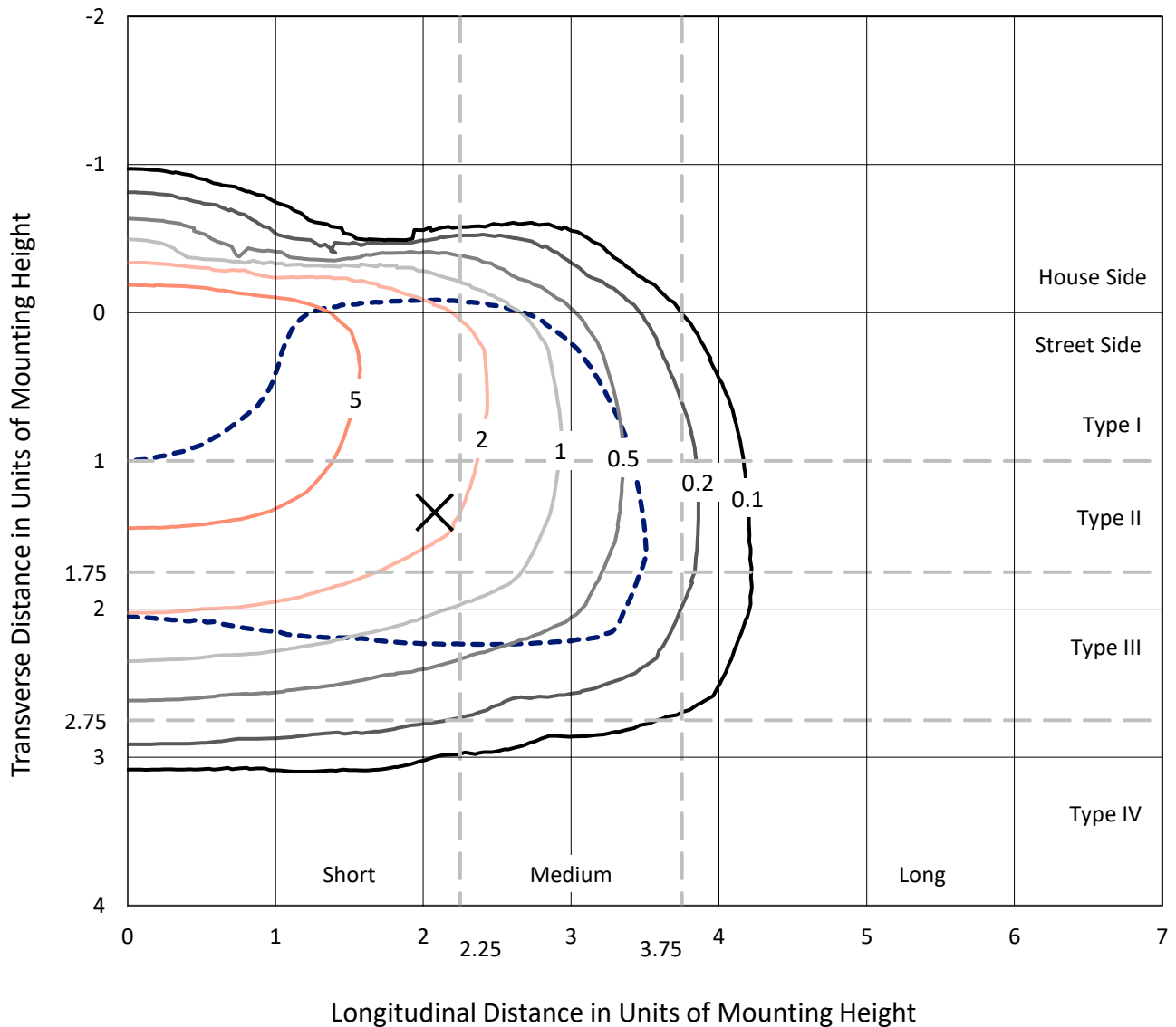
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

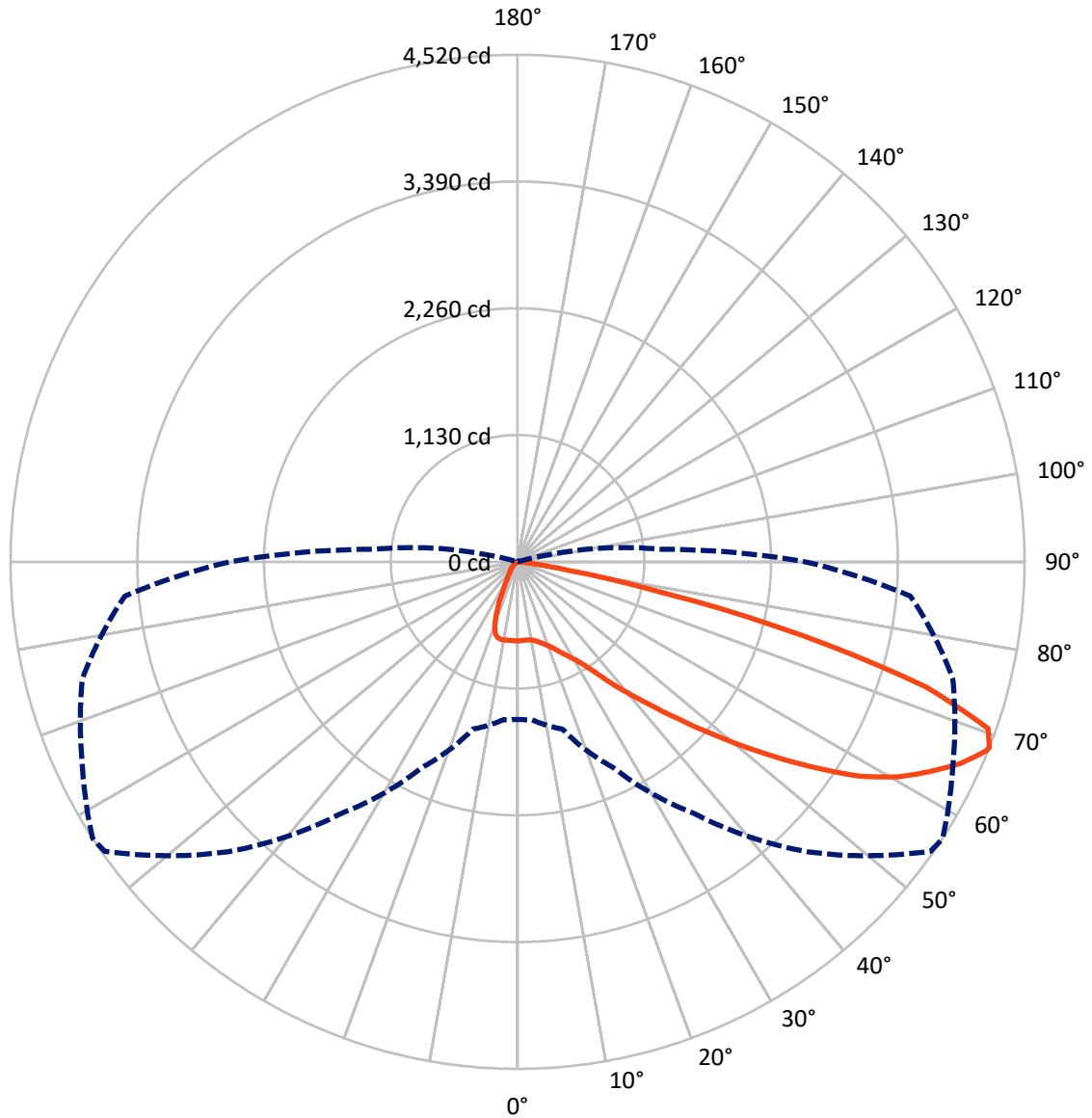
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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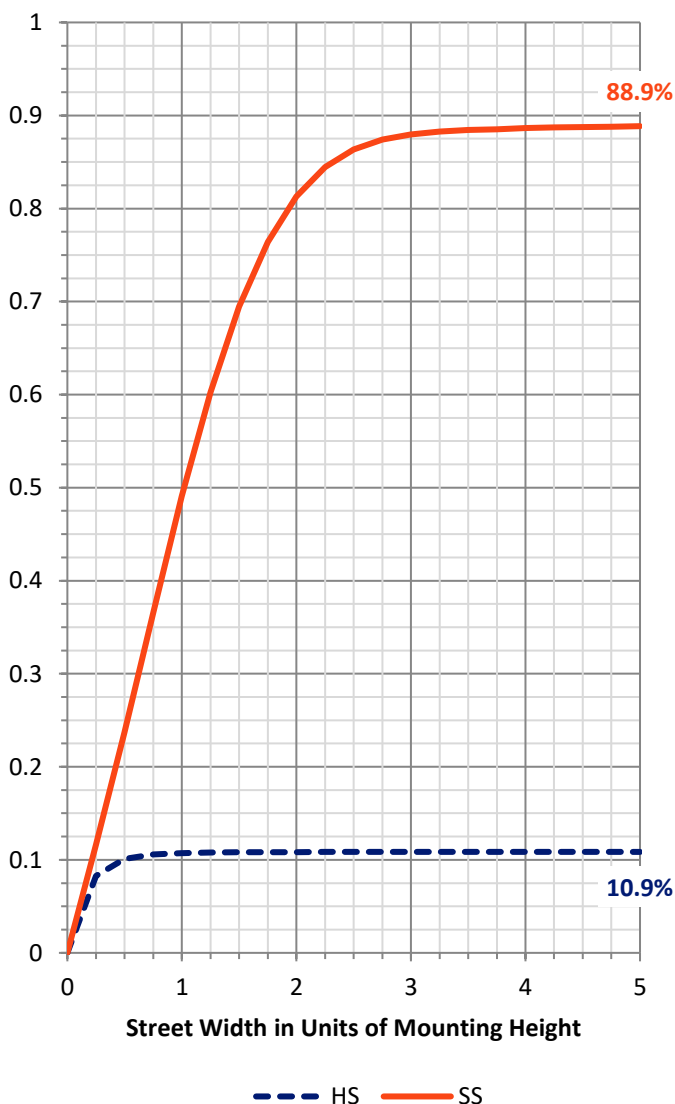
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	649.9	0.0	649.9
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	5277.1	0.0	5277.1
	% Fixture	89.0	0.0	89.0
Total	Lumens	5927.0	0.0	5927.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	1.1
10°-20°	182.6	3.1
20°-30°	315.1	5.3
30°-40°	543.8	9.2
40°-50°	930.2	15.7
50°-60°	1488.2	25.1
60°-70°	1719.5	29.0
70°-80°	657.0	11.1
80°-90°	24.6	0.4
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°	5927.0	100.0
0°-180°	5927.0	100.0

Coefficient of Utilization

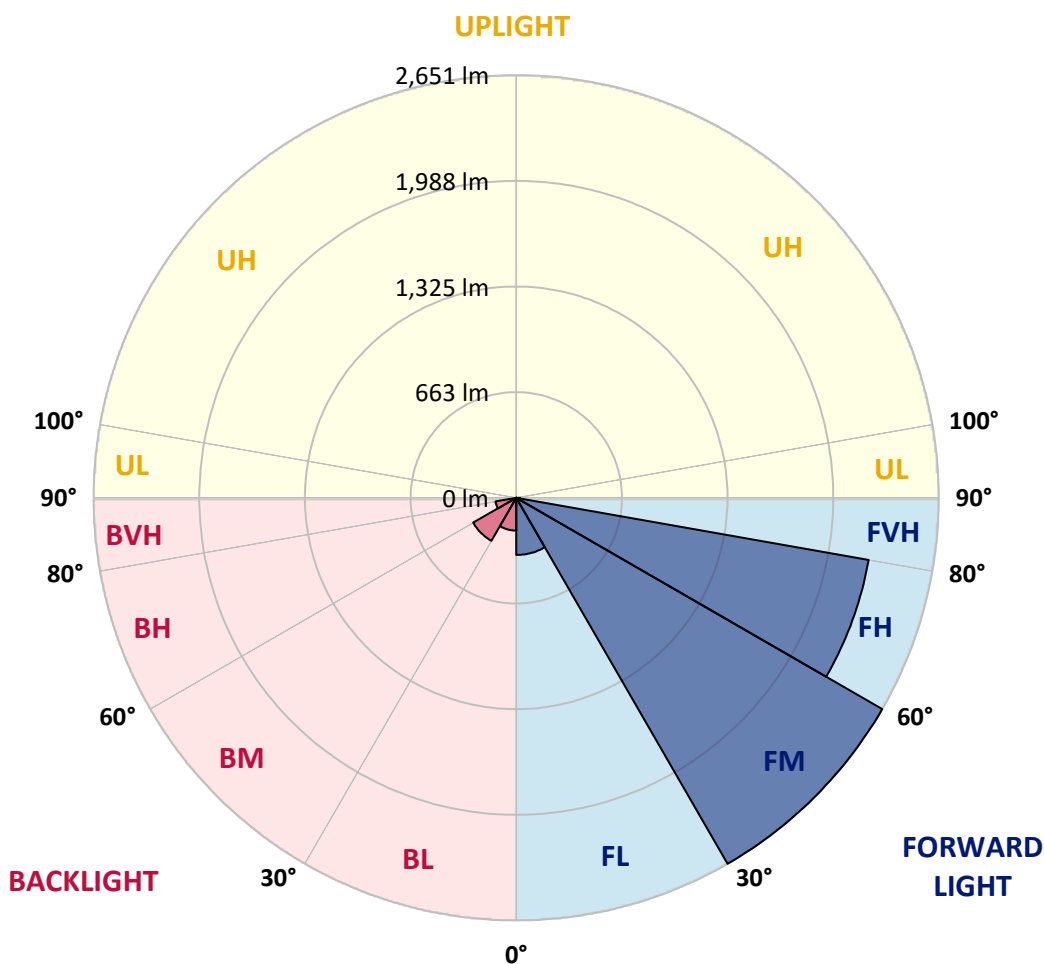


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.2	6.0			
FM (30°-60°)	2650.5	44.7			
FH (60°-80°)	2244.2	37.9			G2/5000
FVH (80°-90°)	24.2	0.4			G1/100
BL (0°-30°)	205.4	3.5	B1/500		
BM (30°-60°)	311.7	5.3	B1/1000		
BH (60°-80°)	132.4	2.2	B1/500		G1/500
BVH (80°-90°)	0.5	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	704.3	704.3	704.3	704.3	704.3	704.3	704.3	704.3	704.3	704.3	704.3
2.5°	687.7	690.8	693.1	694.5	696.2	699.8	700.9	702.6	703.4	703.4	705.4
5°	660.6	663.9	668.7	672.6	680.5	690.6	697.8	700.6	705.7	710.2	712.7
7.5°	635.3	639.3	644.9	654.1	667.6	683.8	699.0	702.9	712.7	722.2	727.0
10°	619.1	622.2	629.5	642.6	660.3	683.0	704.3	709.0	725.9	741.8	750.8
12.5°	613.5	616.3	623.9	638.7	660.6	687.2	716.6	723.6	748.3	771.5	784.2
15°	621.6	622.2	630.3	644.3	665.9	697.6	737.1	745.5	776.6	806.9	822.6
17.5°	653.0	650.5	654.7	660.8	677.9	711.3	758.7	771.3	812.7	848.3	863.2
20°	731.5	731.5	721.9	705.1	705.4	732.6	787.8	802.1	852.8	894.0	907.5
22.5°	865.7	863.2	844.1	802.9	765.1	769.3	823.4	841.9	901.0	945.0	949.5
25°	1027.1	1024.1	994.6	936.6	871.0	828.7	871.6	892.9	958.5	997.4	988.2
27.5°	1198.1	1195.6	1166.4	1094.4	1001.1	923.4	929.0	949.2	1017.0	1055.4	1026.0
30°	1363.7	1364.6	1335.7	1261.7	1156.1	1044.2	1001.9	1013.7	1073.9	1112.9	1070.9
32.5°	1521.2	1522.4	1497.4	1414.7	1316.1	1184.6	1102.8	1099.7	1140.1	1178.5	1130.3
35°	1661.6	1664.4	1647.3	1583.2	1478.6	1341.0	1233.7	1226.4	1234.0	1277.4	1221.4
37.5°	1797.0	1798.7	1785.8	1731.7	1644.3	1512.8	1399.0	1388.7	1372.4	1405.8	1341.6
40°	1945.3	1941.1	1926.2	1877.2	1802.0	1702.6	1576.7	1558.8	1530.5	1560.2	1499.7
42.5°	2083.1	2078.4	2080.9	2025.4	1962.1	1897.6	1783.8	1753.0	1736.5	1770.7	1693.6
45°	2255.5	2253.0	2261.4	2213.2	2161.9	2115.1	2021.2	1987.6	1980.3	2020.4	1928.2
47.5°	2425.6	2431.8	2457.8	2437.4	2416.6	2375.5	2272.6	2257.5	2261.9	2310.4	2175.6
50°	2567.4	2574.7	2646.2	2669.7	2699.7	2675.6	2572.5	2563.2	2580.9	2624.6	2441.9
52.5°	2670.0	2684.9	2773.7	2882.2	2991.5	3007.7	2904.9	2896.4	2920.3	2927.0	2647.6
55°	2741.2	2754.4	2855.0	3053.4	3275.9	3346.0	3282.1	3249.6	3245.1	3178.7	2863.9
57.5°	2753.8	2752.4	2897.0	3164.1	3499.0	3679.8	3639.4	3607.5	3515.5	3411.3	3112.0
60°	2682.6	2690.7	2858.6	3202.5	3639.1	3932.3	3935.4	3893.9	3750.7	3637.4	3352.4
62.5°	2463.5	2496.5	2666.1	3101.9	3637.4	4034.0	4152.3	4120.6	3949.4	3822.7	3596.2
65°	2108.1	2119.9	2281.6	2757.2	3391.7	3991.4	4347.6	4335.8	4128.5	4002.6	3721.5
67.5°	1539.4	1513.9	1683.8	2171.1	2871.5	3743.1	4487.7	4502.6	4266.6	4039.6	3588.1
68°	1404.9	1412.5	1544.8	2026.3	2735.3	3655.4	4497.0	4519.7	4280.4	4015.5	3515.3
70°	837.4	852.0	970.0	1395.1	2080.9	3159.0	4397.2	4449.1	4198.5	3766.9	3040.5
72.5°	213.8	231.2	342.8	624.4	1188.6	2225.8	3712.0	3799.7	3645.3	3055.9	2052.6
75°	88.0	92.5	122.5	205.7	442.8	1002.8	2446.6	2634.4	2527.1	1829.5	927.6
77.5°	60.8	63.9	78.8	114.1	191.7	340.0	1199.5	1335.1	1202.9	624.4	202.3
80°	43.7	46.2	56.3	75.9	110.1	121.4	391.0	452.1	359.0	137.0	50.2
82.5°	26.1	28.0	42.0	54.1	67.0	58.0	97.2	110.4	104.0	68.1	22.4
85°	12.9	15.1	28.3	38.7	36.2	24.4	29.7	33.1	40.9	41.5	12.1
87.5°	0.8	1.7	16.5	23.3	10.1	5.6	8.7	10.6	14.6	20.5	5.0
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°	704.3	704.3	704.3	704.3	704.3	704.3	704.3	704.3	704.3	704.3	704.3
2.5°	706.2	706.5	704.6	703.7	704.3	700.9	699.5	700.1	700.1	700.9	699.5
5°	713.3	713.3	709.9	705.4	702.9	696.4	692.2	691.1	690.3	689.7	688.6
7.5°	728.4	726.7	720.8	711.0	702.6	688.6	677.9	672.3	669.5	668.4	667.6
10°	752.8	749.7	739.9	721.7	702.3	677.4	654.1	637.6	623.9	618.2	614.9
12.5°	785.6	781.1	764.5	734.3	700.4	654.4	604.0	555.5	510.3	491.8	482.6
15°	823.4	816.9	790.9	744.9	688.9	602.6	493.0	408.1	345.6	322.0	311.9
17.5°	861.8	853.4	813.9	751.6	654.4	495.2	345.8	261.2	219.4	208.2	204.3
20°	900.5	888.1	833.8	746.6	576.5	357.0	228.1	190.9	178.8	175.4	174.3
22.5°	937.2	918.1	851.7	727.0	456.5	239.6	180.5	168.7	164.8	162.8	162.3
25°	969.1	942.5	867.4	666.4	323.1	181.0	162.5	158.6	153.6	149.9	150.2
27.5°	999.1	966.9	876.9	566.7	215.5	154.7	150.5	145.2	135.9	130.6	130.6
30°	1035.3	999.4	883.9	436.1	158.6	136.8	133.4	125.3	112.7	105.7	105.7
32.5°	1089.6	1048.7	879.4	306.0	131.4	120.2	112.4	101.2	87.4	80.7	80.4
35°	1172.9	1124.9	847.5	200.7	116.0	104.5	91.9	78.2	66.1	60.5	60.3
37.5°	1285.0	1227.0	775.7	143.5	104.0	90.0	74.8	59.7	50.7	47.1	46.8
40°	1430.4	1345.5	673.2	116.3	92.8	75.9	57.7	46.2	40.1	37.3	37.6
42.5°	1605.0	1472.5	550.1	100.3	81.8	62.5	45.1	36.4	32.5	30.5	30.0
45°	1799.0	1597.7	421.2	89.4	70.9	50.4	35.3	28.9	25.8	24.7	24.7
47.5°	2012.2	1719.7	308.3	79.9	59.1	39.0	28.3	23.5	21.0	20.2	19.9
50°	2205.9	1804.3	222.2	69.8	48.5	30.8	23.0	19.6	17.9	16.8	16.8
52.5°	2367.3	1830.9	163.7	58.9	39.2	24.7	19.1	16.8	15.1	14.3	14.3
55°	2509.4	1820.0	121.6	48.5	31.7	20.2	16.3	14.3	12.9	12.1	12.1
57.5°	2645.6	1784.7	90.8	39.5	25.5	16.3	13.7	12.1	10.6	10.1	10.1
60°	2756.9	1725.8	67.5	31.9	20.5	13.2	11.5	9.8	8.7	7.8	7.8
62.5°	2847.1	1660.8	49.6	26.3	16.3	10.4	9.0	8.1	6.4	5.6	5.6
65°	2847.7	1552.9	37.3	21.9	12.6	8.1	6.7	6.4	4.2	3.4	3.1
67.5°	2641.7	1338.8	28.6	18.8	9.8	6.2	5.0	5.3	2.2	1.4	1.1
68°	2566.9	1284.4	26.9	18.5	9.2	5.9	4.8	5.3	2.0	1.1	0.8
70°	2164.1	1021.8	21.6	17.9	8.1	4.5	3.9	5.3	1.7	0.8	0.6
72.5°	1384.2	593.0	16.0	14.3	6.2	3.4	2.5	4.8	1.7	0.6	0.3
75°	589.1	183.8	10.9	10.1	3.6	2.5	1.7	3.1	1.1	0.3	0.0
77.5°	124.2	41.5	6.4	6.2	2.5	1.7	1.1	0.8	0.3	0.0	0.0
80°	31.9	12.1	3.4	3.1	1.4	0.8	0.6	0.0	0.0	0.0	0.0
82.5°	10.1	4.8	2.0	1.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.0	2.8	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	0.8	0.3	0.0	0.0	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)