

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: P318366

Luminaire Tested: **GAN-SA2C-730-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-730-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13182 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

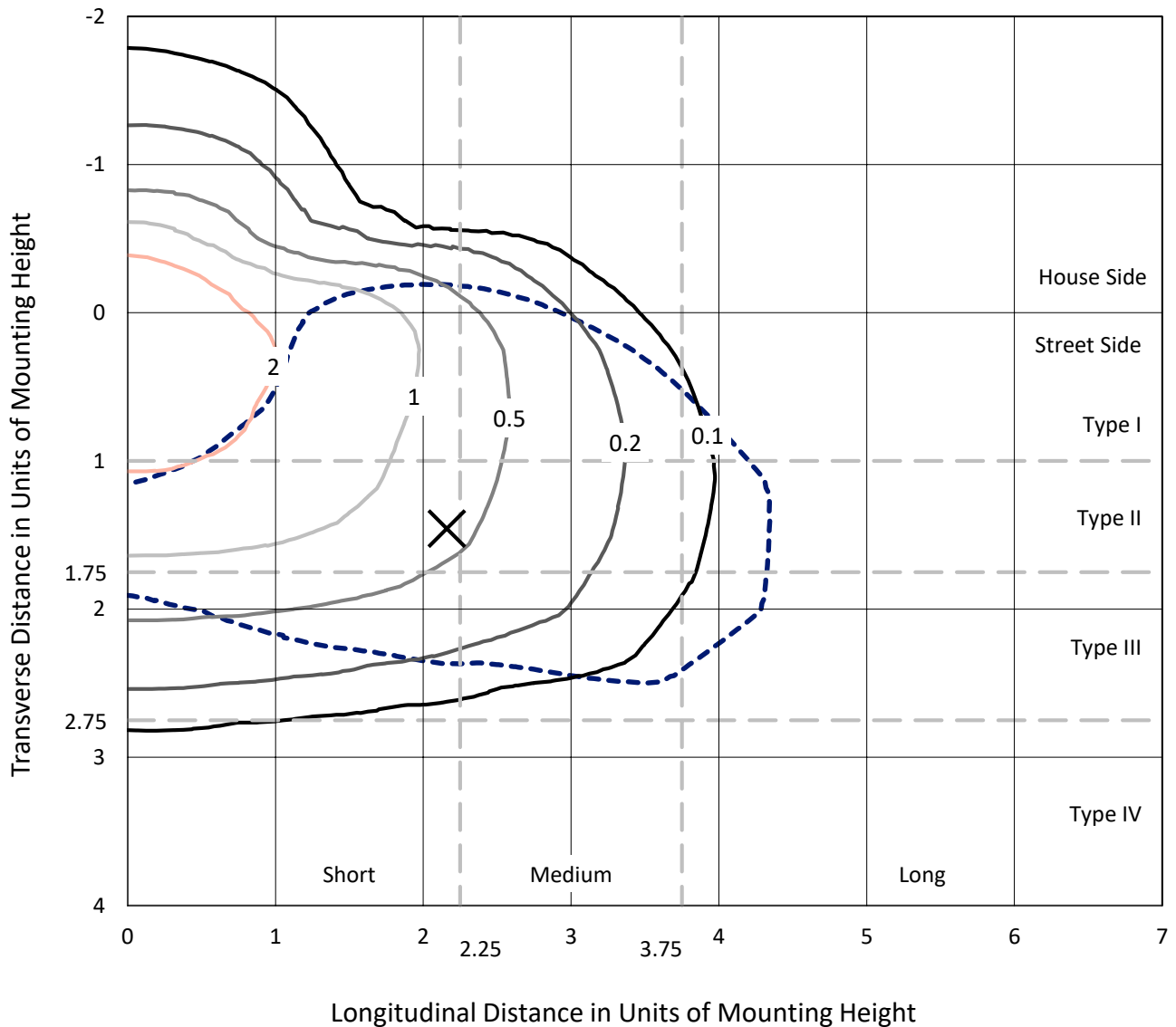
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318366
 CATALOG NUMBER: GAN-SA2C-730-U-T3

Iso-Footcandle Lines of Horizontal Illumination

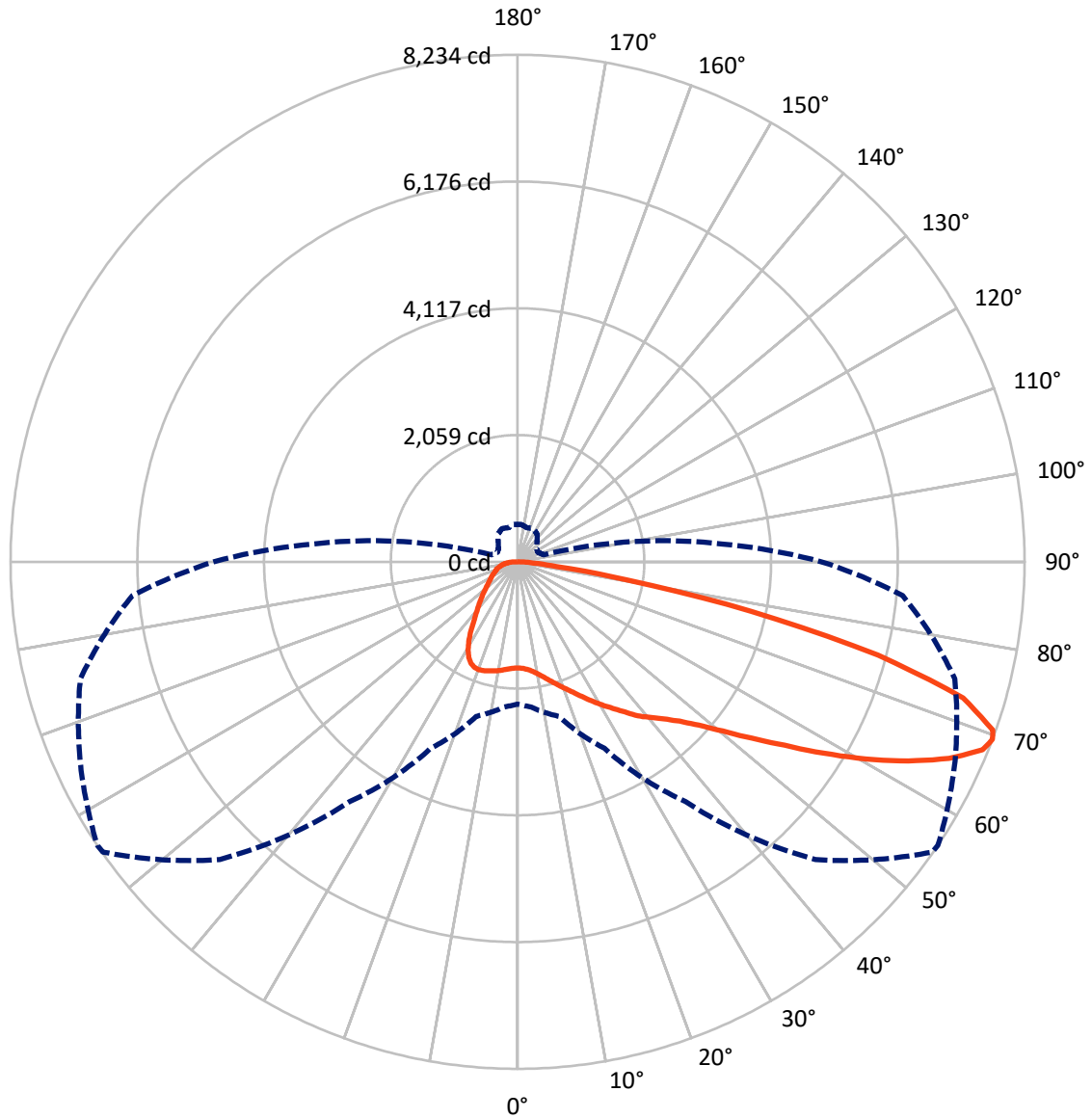
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - N/A

REPORT NUMBER: P318366
CATALOG NUMBER: GAN-SA2C-730-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2935.6	0.0	2935.6
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	10246.4	0.0	10246.4
	% Fixture	77.7	0.0	77.7
Total	Lumens	13182.0	0.0	13182.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.3	1.3
10°-20°	544.3	4.1
20°-30°	950.1	7.2
30°-40°	1364.8	10.4
40°-50°	1888.8	14.3
50°-60°	2767.3	21.0
60°-70°	3373.9	25.6
70°-80°	1865.3	14.2
80°-90°	258.3	2.0
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°	13182.0	100.0
0°-180°	13182.0	100.0



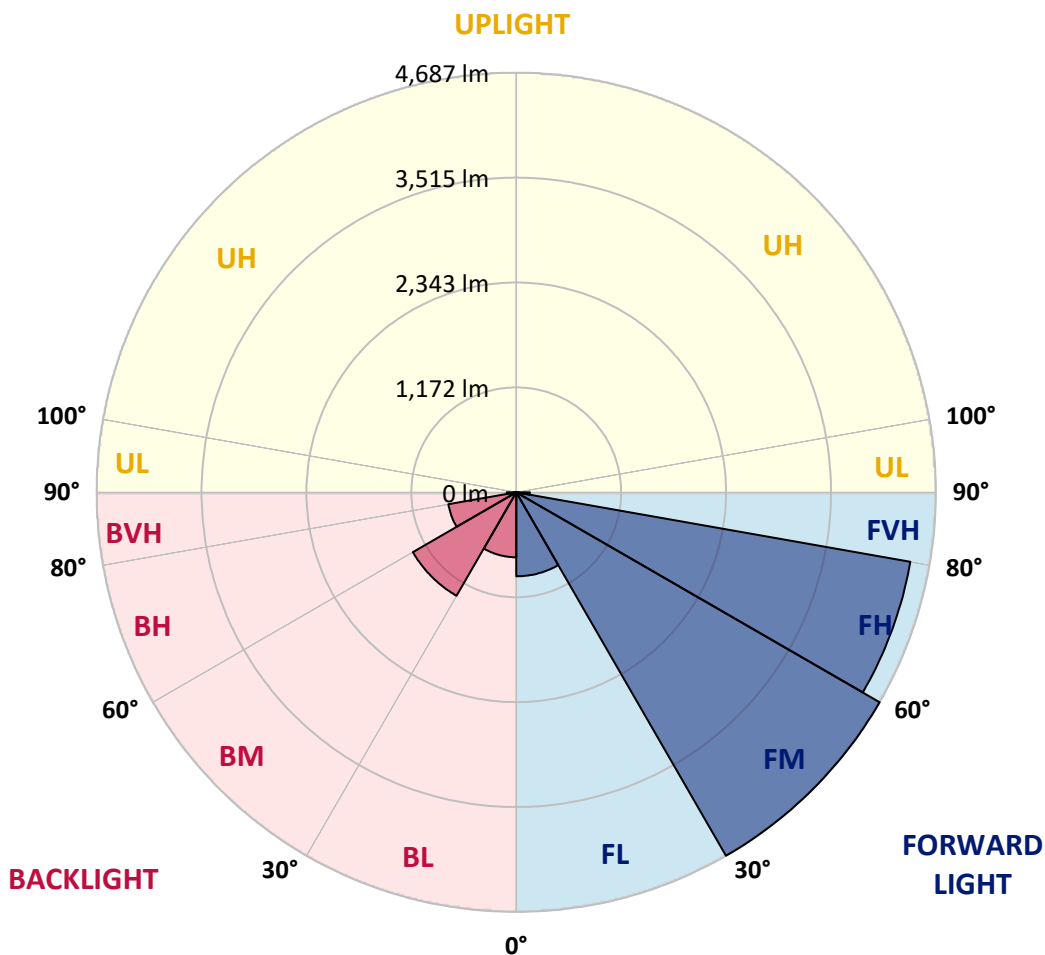
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	938.2	7.1			
FM (30°-60°)	4686.7	35.6			
FH (60°-80°)	4469.4	33.9			G2/5000
FVH (80°-90°)	152.2	1.2			G2/225
BL (0°-30°)	725.5	5.5	B2/1000		
BM (30°-60°)	1334.2	10.1	B2/2500		
BH (60°-80°)	769.8	5.8	B2/1000		G2/1000
BVH (80°-90°)	106.2	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P318366

CATALOG NUMBER: GAN-SA2C-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3
2.5°	1734.2	1736.1	1734.7	1738.3	1734.2	1737.0	1734.7	1734.7	1733.3	1729.3	1724.7
5°	1761.5	1765.1	1762.9	1766.5	1761.5	1762.4	1758.3	1758.3	1754.2	1745.6	1736.5
7.5°	1804.2	1808.3	1806.5	1810.1	1803.3	1803.3	1797.8	1797.4	1789.2	1775.1	1764.7
10°	1855.0	1860.5	1858.7	1864.1	1858.7	1860.5	1855.0	1855.0	1844.1	1824.2	1811.0
12.5°	1929.1	1935.9	1930.9	1930.4	1928.2	1931.8	1927.2	1926.3	1916.3	1889.1	1870.9
15°	2028.1	2035.3	2024.9	2024.0	2011.3	2009.9	2009.9	2008.5	2002.2	1969.5	1939.5
17.5°	2142.0	2144.3	2135.2	2120.7	2104.3	2093.9	2092.5	2096.2	2096.2	2058.0	2010.3
20°	2253.7	2257.8	2250.6	2234.2	2213.3	2197.9	2187.0	2194.3	2193.8	2148.4	2080.7
22.5°	2375.5	2385.0	2374.1	2353.2	2328.7	2311.4	2292.3	2298.7	2299.2	2243.3	2149.8
25°	2533.0	2524.4	2517.6	2488.1	2453.1	2435.4	2417.7	2424.0	2422.2	2345.5	2221.1
27.5°	2672.4	2674.3	2665.2	2633.8	2593.4	2554.4	2553.5	2557.5	2550.7	2451.7	2288.3
30°	2834.6	2835.5	2822.7	2794.6	2750.5	2700.1	2688.3	2695.1	2680.6	2552.6	2359.1
32.5°	2995.8	3000.3	2986.2	2952.2	2916.7	2855.4	2831.8	2836.4	2800.0	2655.6	2432.2
35°	3137.0	3143.4	3138.8	3116.1	3077.5	3024.8	2996.7	2993.9	2949.0	2781.9	2528.9
37.5°	3280.9	3286.8	3281.9	3262.8	3247.3	3191.5	3176.5	3176.5	3098.4	2910.8	2652.0
40°	3429.0	3438.1	3432.2	3405.8	3392.7	3367.2	3331.4	3322.7	3238.3	3065.7	2852.7
42.5°	3566.6	3578.4	3602.0	3586.6	3559.8	3563.4	3491.2	3486.7	3424.9	3294.6	3104.8
45°	3761.8	3779.1	3819.1	3807.3	3801.8	3781.8	3696.0	3691.9	3668.3	3602.5	3417.6
47.5°	3974.8	3998.4	4070.6	4072.9	4131.5	4093.8	3977.1	3963.0	3968.5	3971.2	3799.5
50°	4171.0	4196.9	4315.4	4371.3	4509.3	4517.5	4330.8	4318.1	4339.5	4402.1	4244.6
52.5°	4327.7	4360.4	4508.4	4681.0	4917.6	4984.8	4766.3	4756.8	4772.7	4880.8	4747.7
55°	4442.6	4478.0	4639.2	4953.4	5331.3	5449.8	5267.7	5258.6	5268.6	5406.2	5294.9
57.5°	4469.4	4478.0	4711.8	5136.9	5680.5	5965.2	5881.2	5863.0	5814.0	5933.9	5898.9
60°	4343.6	4378.1	4651.9	5201.4	5950.7	6473.3	6522.4	6499.7	6362.1	6460.2	6432.0
62.5°	4088.4	4150.1	4428.0	5103.3	6056.5	6888.4	7151.3	7124.1	6887.0	6950.6	6815.3
65°	3671.5	3697.8	3989.8	4765.0	5922.1	7154.1	7712.2	7698.5	7400.2	7300.7	6886.1
67.5°	2925.8	2975.3	3223.3	4057.9	5372.1	7122.7	8145.8	8144.5	7735.3	7430.6	6635.0
69°	2311.4	2362.7	2598.9	3342.7	4753.6	6836.2	8218.5	8234.4	7829.8	7351.6	6276.3
70°	1842.8	1902.3	2064.4	2815.5	4204.6	6458.4	8158.1	8186.7	7811.6	7221.3	5945.2
72.5°	784.2	832.4	947.7	1451.3	2562.5	4822.6	7459.2	7567.3	7390.6	6609.1	4913.5
75°	342.4	357.4	409.6	591.7	1137.5	2624.8	5843.5	6043.3	6319.4	5586.5	3660.1
77.5°	250.7	257.0	285.6	347.4	510.4	991.3	3757.8	3874.0	4557.4	4065.2	2245.1
80°	193.9	198.4	220.7	255.2	333.3	401.0	1713.8	1813.7	2562.5	2088.0	935.0
82.5°	154.4	157.6	173.0	188.0	230.2	242.9	569.0	631.2	945.9	576.7	247.5
85°	143.5	147.1	152.6	137.1	147.6	142.6	246.1	257.5	285.6	226.6	103.5
87.5°	64.9	76.7	151.2	106.7	78.6	62.7	100.8	105.4	118.5	119.0	45.9
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: P318366
 CATALOG NUMBER: GAN-SA2C-730-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3
2.5°	1727.4	1726.1	1728.3	1722.9	1729.7	1729.3	1727.0	1727.9	1732.4	1732.0	1732.4
5°	1737.9	1737.0	1739.7	1735.6	1743.8	1746.5	1747.0	1751.0	1756.0	1757.4	1757.4
7.5°	1764.2	1764.2	1765.6	1760.1	1765.6	1765.1	1762.9	1766.9	1771.9	1772.4	1771.9
10°	1809.6	1810.1	1807.8	1793.7	1789.2	1776.9	1765.6	1766.0	1772.4	1777.4	1778.7
12.5°	1866.8	1865.0	1855.0	1829.2	1810.1	1785.1	1773.3	1772.8	1779.2	1783.3	1784.7
15°	1932.2	1927.2	1901.4	1859.1	1825.5	1801.0	1781.9	1777.4	1773.8	1769.2	1769.7
17.5°	1994.0	1982.6	1939.5	1880.9	1845.5	1812.8	1776.0	1746.5	1726.1	1714.3	1710.6
20°	2056.7	2034.4	1972.2	1901.4	1856.4	1796.9	1726.1	1666.1	1628.9	1611.6	1608.5
22.5°	2113.9	2078.0	2002.6	1922.7	1847.8	1743.3	1632.1	1544.9	1493.1	1470.0	1471.8
25°	2169.7	2119.8	2034.4	1937.7	1804.2	1648.9	1501.3	1394.1	1334.2	1308.3	1307.4
27.5°	2218.8	2162.0	2068.9	1925.4	1722.9	1514.5	1346.4	1242.0	1192.0	1169.8	1166.2
30°	2275.1	2215.1	2114.8	1878.7	1603.9	1359.2	1195.2	1121.7	1086.2	1064.0	1059.9
32.5°	2343.7	2287.4	2152.5	1793.7	1451.8	1197.0	1077.1	1025.8	993.6	968.6	964.1
35°	2443.6	2382.7	2162.0	1672.0	1284.7	1069.0	990.4	937.7	894.1	861.9	858.7
37.5°	2568.9	2502.1	2140.2	1514.5	1122.6	985.9	918.2	853.3	796.5	751.1	743.8
40°	2749.6	2648.8	2079.8	1332.8	1003.1	921.8	847.8	773.8	703.4	650.3	639.8
42.5°	2966.7	2820.9	1987.2	1152.1	915.5	856.9	777.9	686.2	619.0	581.3	575.8
45°	3242.8	2999.9	1858.7	994.0	829.2	792.0	702.5	618.0	576.3	548.6	544.0
47.5°	3558.0	3200.6	1723.8	865.5	756.1	731.1	642.1	587.6	554.5	532.7	528.6
50°	3945.3	3427.2	1580.8	760.2	682.5	658.0	613.5	570.8	544.5	527.7	523.6
52.5°	4382.2	3682.8	1477.7	677.1	621.7	604.0	598.5	561.7	540.4	527.7	523.6
55°	4852.6	3943.0	1366.4	607.1	569.0	574.0	588.5	562.6	548.1	532.7	526.8
57.5°	5323.5	4211.9	1242.4	548.1	527.2	551.7	581.7	564.5	552.2	537.2	531.8
60°	5695.9	4382.2	1050.4	498.6	494.1	527.2	565.4	550.8	534.9	535.4	534.5
62.5°	5869.8	4373.1	838.3	454.6	460.9	494.1	539.0	529.5	516.3	534.0	535.4
65°	5772.2	4155.1	652.6	414.6	425.5	459.6	511.8	519.0	523.6	557.6	562.2
67.5°	5362.6	3731.0	505.4	379.6	393.3	435.9	514.5	565.4	571.3	607.1	606.7
69°	4938.9	3333.2	439.1	361.5	377.4	441.8	549.9	594.9	572.6	610.8	605.3
70°	4583.8	3018.5	403.7	349.2	370.1	452.3	573.5	594.4	565.8	598.5	589.4
72.5°	3530.3	2171.6	342.4	326.5	345.6	432.8	580.4	581.3	549.9	556.3	540.8
75°	2421.3	1372.3	298.8	295.6	308.3	390.1	558.6	555.4	508.6	499.5	486.8
77.5°	1335.1	697.1	253.8	266.1	274.7	345.6	507.7	503.2	464.6	445.5	440.9
80°	515.0	305.2	214.3	236.6	242.0	299.3	445.0	440.9	408.7	384.2	377.4
82.5°	194.4	159.8	177.1	204.8	203.0	247.0	376.9	374.6	343.3	307.4	296.5
85°	89.9	95.8	140.3	168.9	155.8	183.0	301.5	305.6	267.5	224.8	224.8
87.5°	38.1	53.6	99.5	127.6	104.9	123.5	221.2	211.2	193.9	134.4	126.2
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)