

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: P322207

Luminaire Tested: **GAN-SA3C-730-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322207
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 (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA 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: 14330 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

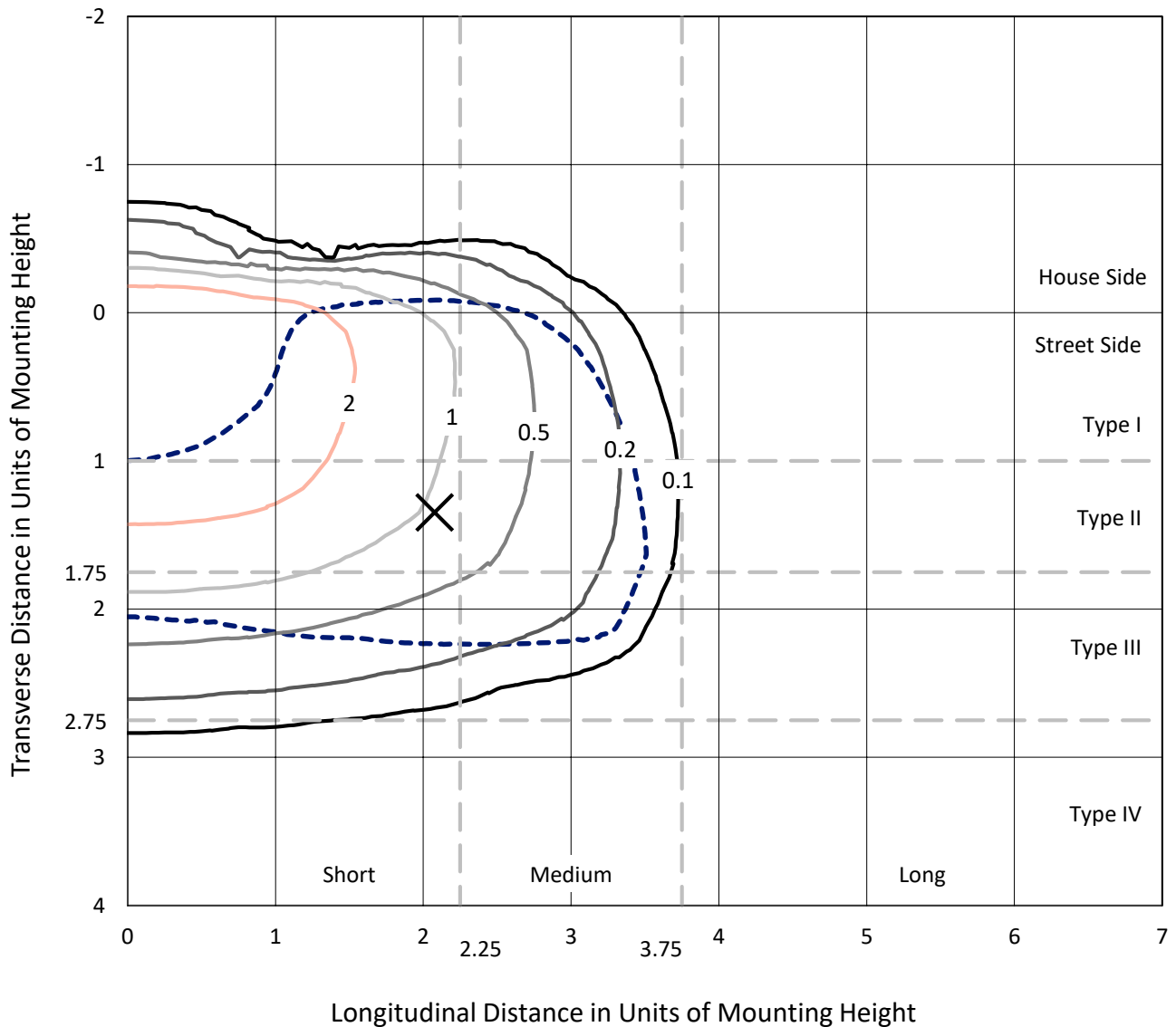
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P322207
 CATALOG NUMBER: GAN-SA3C-730-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

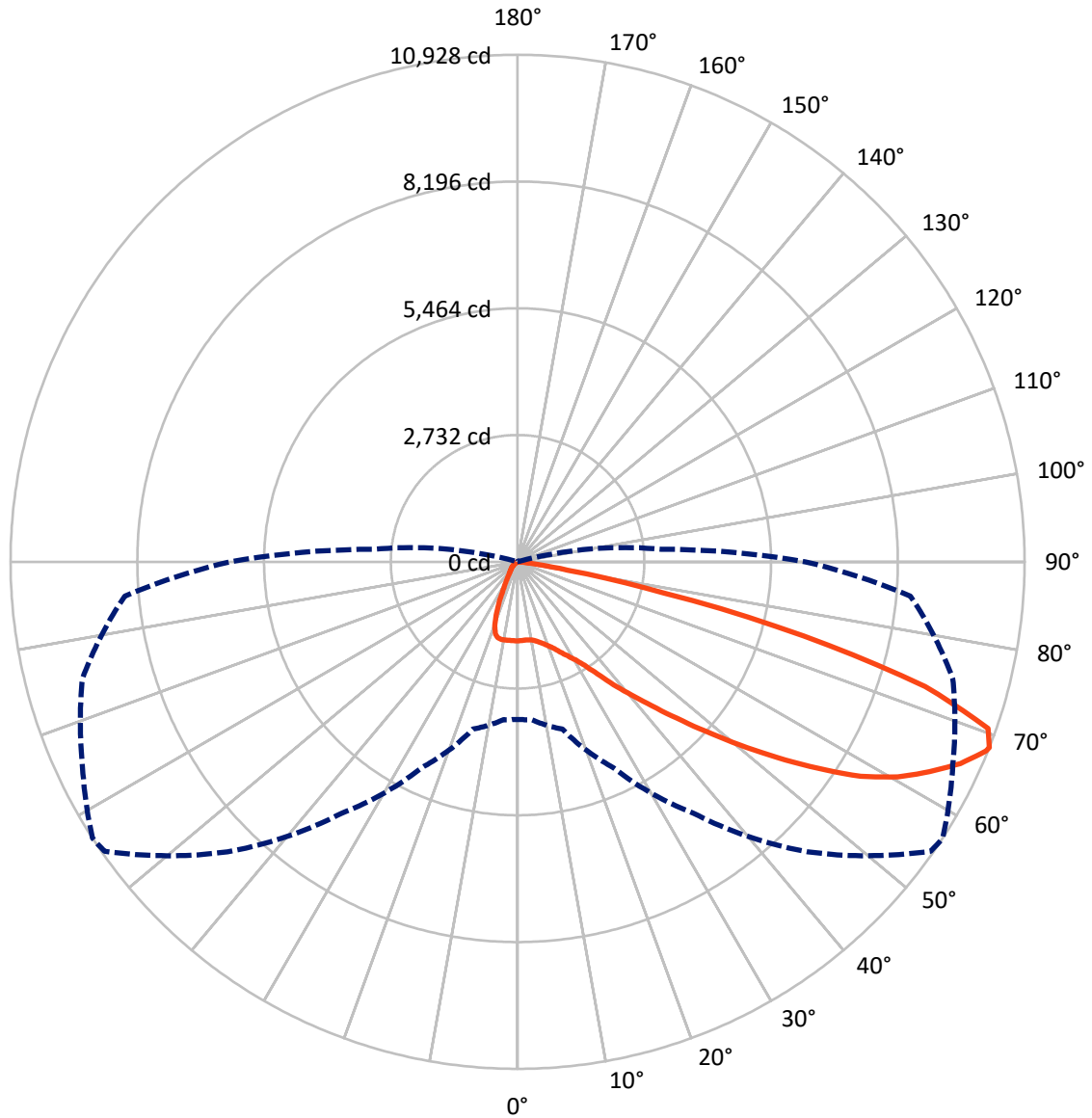
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - N/A

REPORT NUMBER: P322207
CATALOG NUMBER: GAN-SA3C-730-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P322207
 CATALOG NUMBER: GAN-SA3C-730-U-T3-HSS

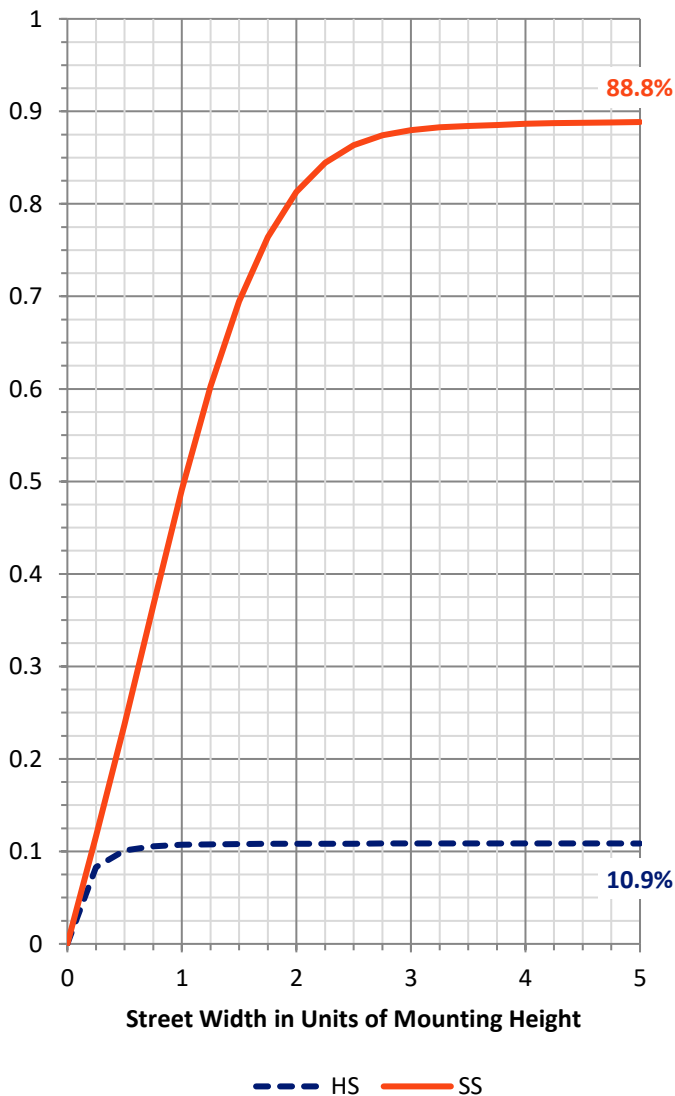
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1571.4	0.0	1571.4
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	12758.6	0.0	12758.6
	% Fixture	89.0	0.0	89.0
Total	Lumens	14330.0	0.0	14330.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.4	1.1
10°-20°	441.6	3.1
20°-30°	761.8	5.3
30°-40°	1314.8	9.2
40°-50°	2249.0	15.7
50°-60°	3598.1	25.1
60°-70°	4157.3	29.0
70°-80°	1588.6	11.1
80°-90°	59.6	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°	14330.0	100.0
0°-180°	14330.0	100.0

Coefficient of Utilization



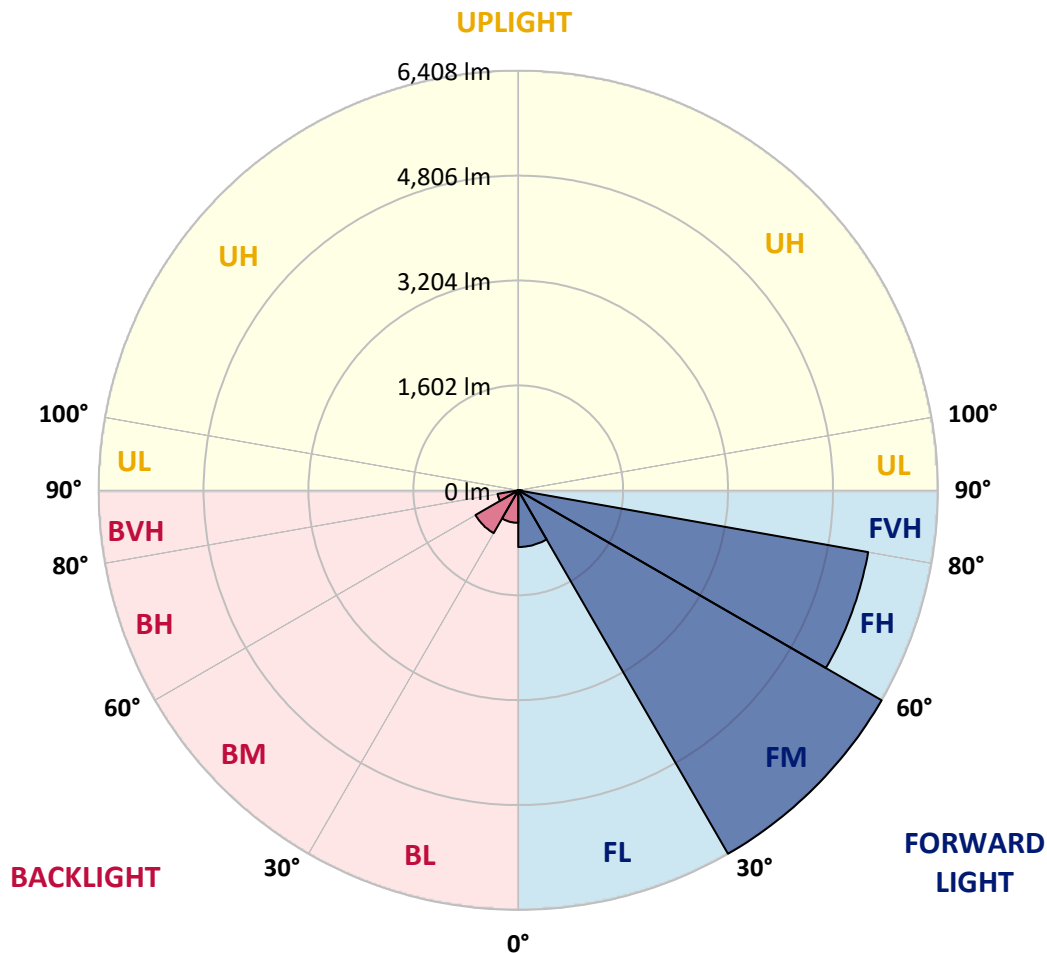
REPORT NUMBER: P322207
 CATALOG NUMBER: GAN-SA3C-730-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	866.1	6.0			
FM (30°-60°)	6408.3	44.7			
FH (60°-80°)	5425.8	37.9			G3/7500
FVH (80°-90°)	58.5	0.4			G1/100
BL (0°-30°)	496.6	3.5	B1/500		
BM (30°-60°)	753.7	5.3	B1/1000		
BH (60°-80°)	320.0	2.2	B1/500		G1/500
BVH (80°-90°)	1.1	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-G3

Type III Short





REPORT NUMBER: P322207

CATALOG NUMBER: GAN-SA3C-730-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1662.8	1670.3	1675.7	1679.1	1683.1	1691.9	1694.7	1698.7	1700.7	1700.7	1705.5
5°	1597.1	1605.2	1616.7	1626.2	1645.2	1669.6	1687.2	1694.0	1706.2	1717.0	1723.1
7.5°	1536.1	1545.6	1559.1	1581.5	1614.0	1653.3	1689.9	1699.4	1723.1	1746.1	1757.7
10°	1496.8	1504.2	1521.9	1553.7	1596.4	1651.3	1702.8	1714.3	1755.0	1793.6	1815.3
12.5°	1483.2	1490.0	1508.3	1544.2	1597.1	1661.4	1732.6	1749.5	1809.2	1865.4	1895.9
15°	1502.9	1504.2	1523.9	1557.8	1610.0	1686.5	1782.1	1802.4	1877.6	1950.8	1988.7
17.5°	1578.8	1572.7	1582.8	1597.8	1639.1	1719.7	1834.2	1864.7	1965.0	2051.1	2087.0
20°	1768.5	1768.5	1745.5	1704.8	1705.5	1771.2	1904.7	1939.3	2061.9	2161.5	2194.0
22.5°	2093.1	2087.0	2040.9	1941.3	1849.8	1860.0	1990.8	2035.5	2178.4	2284.8	2295.7
25°	2483.4	2475.9	2404.8	2264.5	2105.9	2003.6	2107.3	2158.8	2317.4	2411.5	2389.2
27.5°	2896.7	2890.6	2820.1	2646.0	2420.3	2232.7	2246.2	2295.0	2459.0	2551.8	2480.7
30°	3297.1	3299.2	3229.4	3050.5	2795.1	2524.7	2422.4	2450.8	2596.5	2690.7	2589.1
32.5°	3678.0	3680.7	3620.4	3420.5	3182.0	2864.2	2666.3	2658.9	2756.4	2849.3	2732.7
35°	4017.4	4024.2	3982.9	3827.7	3575.0	3242.3	2982.7	2965.1	2983.4	3088.5	2952.9
37.5°	4344.7	4348.8	4317.6	4186.8	3975.4	3657.6	3382.5	3357.5	3318.2	3398.8	3243.6
40°	4703.1	4693.0	4657.1	4538.5	4356.9	4116.4	3812.1	3768.8	3700.3	3772.1	3625.8
42.5°	5036.5	5025.0	5031.1	4896.9	4743.8	4588.0	4312.9	4238.3	4198.3	4281.0	4094.7
45°	5453.2	5447.1	5467.5	5350.9	5226.9	5113.8	4886.8	4805.5	4787.8	4884.7	4661.8
47.5°	5864.5	5879.4	5942.5	5893.0	5842.9	5743.2	5494.6	5458.0	5468.8	5586.0	5260.1
50°	6207.4	6225.0	6397.8	6454.7	6527.2	6468.9	6219.6	6197.2	6239.9	6345.6	5903.8
52.5°	6455.4	6491.3	6706.1	6968.3	7232.6	7271.9	7023.2	7002.9	7060.5	7076.7	6401.2
55°	6627.5	6659.3	6902.6	7382.3	7920.3	8089.7	7935.2	7856.6	7845.8	7685.2	6924.3
57.5°	6658.0	6654.6	7004.2	7650.0	8459.7	8896.7	8799.2	8721.9	8499.7	8247.6	7524.0
60°	6485.9	6505.5	6911.4	7742.8	8798.5	9507.3	9514.7	9414.4	9068.2	8794.4	8105.3
62.5°	5956.0	6036.0	6445.9	7499.6	8794.4	9753.2	10039.2	9962.6	9548.6	9242.3	8694.8
65°	5096.8	5125.3	5516.3	6666.1	8200.2	9650.2	10511.4	10483.0	9981.6	9677.3	8997.7
67.5°	3722.0	3660.3	4071.0	5249.3	6942.6	9049.9	10850.2	10886.1	10315.6	9766.8	8675.2
68°	3396.8	3415.0	3734.9	4899.0	6613.3	8837.8	10872.6	10927.5	10348.8	9708.5	8499.0
70°	2024.6	2059.9	2345.1	3373.0	5031.1	7637.8	10631.4	10756.7	10151.0	9107.5	7351.2
72.5°	517.0	559.0	828.7	1509.7	2873.7	5381.4	8974.7	9186.8	8813.4	7388.4	4962.7
75°	212.8	223.6	296.1	497.4	1070.6	2424.4	5915.4	6369.3	6109.8	4423.3	2242.8
77.5°	147.0	154.5	190.4	275.8	463.5	821.9	2900.1	3228.0	2908.2	1509.7	489.2
80°	105.7	111.8	136.2	183.6	266.3	293.4	945.2	1093.0	868.0	331.3	121.3
82.5°	63.0	67.8	101.6	130.8	161.9	140.3	235.1	267.0	251.4	164.7	54.2
85°	31.2	36.6	68.4	93.5	87.4	59.0	71.8	80.0	98.9	100.3	29.1
87.5°	2.0	4.1	40.0	56.2	24.4	13.6	21.0	25.7	35.2	49.5	12.2
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: P322207
 CATALOG NUMBER: GAN-SA3C-730-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1707.5	1708.2	1703.5	1701.4	1702.8	1694.7	1691.3	1692.6	1692.6	1694.7	1691.3
5°	1724.5	1724.5	1716.3	1705.5	1699.4	1683.8	1673.6	1670.9	1668.9	1667.5	1664.8
7.5°	1761.1	1757.0	1742.8	1719.0	1698.7	1664.8	1639.1	1625.5	1618.8	1616.1	1614.0
10°	1820.0	1812.6	1788.8	1744.8	1698.0	1637.7	1581.5	1541.5	1508.3	1494.8	1486.6
12.5°	1899.3	1888.4	1848.5	1775.3	1693.3	1582.2	1460.2	1343.0	1233.9	1189.2	1166.8
15°	1990.8	1975.2	1912.2	1801.0	1665.5	1456.8	1191.9	986.6	835.5	778.6	754.2
17.5°	2083.6	2063.3	1967.7	1817.3	1582.2	1197.3	836.1	631.5	530.6	503.4	494.0
20°	2177.1	2147.3	2015.8	1805.1	1393.8	863.2	551.6	461.4	432.3	424.2	421.5
22.5°	2265.9	2219.8	2059.2	1757.7	1103.8	579.3	436.4	407.9	398.4	393.7	392.3
25°	2343.1	2278.7	2097.1	1611.3	781.3	437.7	393.0	383.5	371.3	362.5	363.2
27.5°	2415.6	2337.7	2120.2	1370.1	521.1	374.0	363.9	351.0	328.6	315.8	315.8
30°	2503.0	2416.3	2137.1	1054.3	383.5	330.7	322.5	302.9	272.4	255.5	255.5
32.5°	2634.5	2535.5	2126.3	739.9	317.8	290.7	271.7	244.6	211.4	195.1	194.5
35°	2835.7	2719.8	2049.0	485.2	280.5	252.7	222.2	189.0	159.9	146.4	145.7
37.5°	3106.7	2966.5	1875.6	346.9	251.4	217.5	180.9	144.3	122.6	113.8	113.2
40°	3458.4	3253.1	1627.6	281.2	224.3	183.6	139.6	111.8	96.9	90.1	90.8
42.5°	3880.6	3560.1	1330.1	242.6	197.9	151.1	109.1	88.1	78.6	73.9	72.5
45°	4349.4	3862.9	1018.4	216.2	171.4	122.0	85.4	69.8	62.3	59.6	59.6
47.5°	4865.1	4157.7	745.3	193.1	143.0	94.2	68.4	56.9	50.8	48.8	48.1
50°	5333.3	4362.3	537.3	168.7	117.2	74.5	55.6	47.4	43.4	40.7	40.7
52.5°	5723.6	4426.7	395.7	142.3	94.9	59.6	46.1	40.7	36.6	34.6	34.6
55°	6067.1	4400.3	294.1	117.2	76.6	48.8	39.3	34.6	31.2	29.1	29.1
57.5°	6396.4	4314.9	219.5	95.5	61.7	39.3	33.2	29.1	25.7	24.4	24.4
60°	6665.4	4172.6	163.3	77.2	49.5	31.8	27.8	23.7	21.0	19.0	19.0
62.5°	6883.6	4015.4	119.9	63.7	39.3	25.1	21.7	19.7	15.6	13.6	13.6
65°	6885.0	3754.5	90.1	52.9	30.5	19.7	16.3	15.6	10.2	8.1	7.5
67.5°	6387.0	3236.8	69.1	45.4	23.7	14.9	12.2	12.9	5.4	3.4	2.7
68°	6206.0	3105.4	65.0	44.7	22.4	14.2	11.5	12.9	4.7	2.7	2.0
70°	5232.3	2470.5	52.2	43.4	19.7	10.8	9.5	12.9	4.1	2.0	1.4
72.5°	3346.6	1433.8	38.6	34.6	14.9	8.1	6.1	11.5	4.1	1.4	0.7
75°	1424.3	444.5	26.4	24.4	8.8	6.1	4.1	7.5	2.7	0.7	0.0
77.5°	300.2	100.3	15.6	14.9	6.1	4.1	2.7	2.0	0.7	0.0	0.0
80°	77.2	29.1	8.1	7.5	3.4	2.0	1.4	0.0	0.0	0.0	0.0
82.5°	24.4	11.5	4.7	3.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.2	6.8	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.8	2.0	0.7	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)