

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: P322237

Luminaire Tested: **GAN-SA3B-740-U-T3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322237  
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-SA3B-740-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 4000K, 800mA 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: 12714 lumens  
Efficiency: N/A  
Efficacy: 102.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

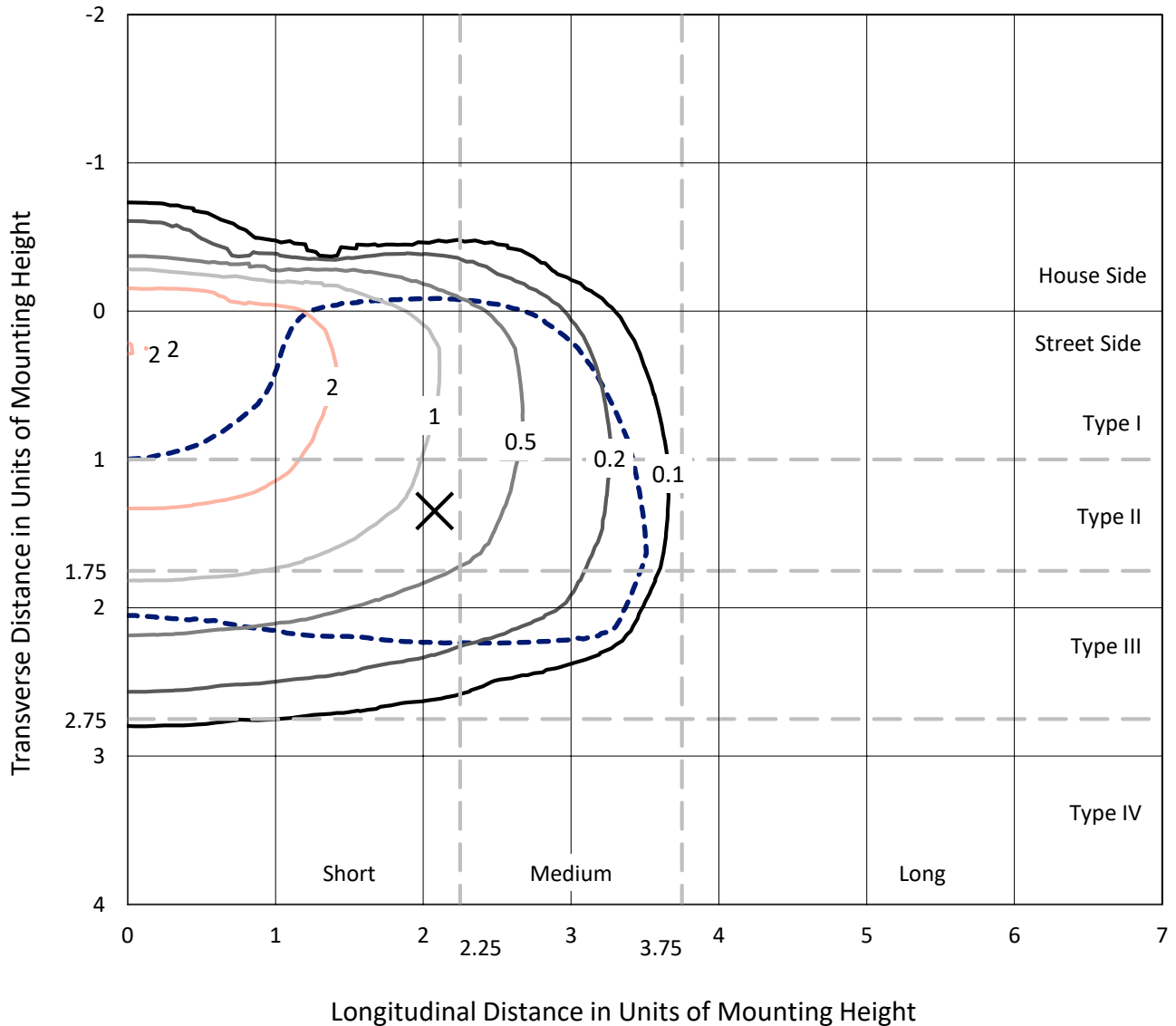
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

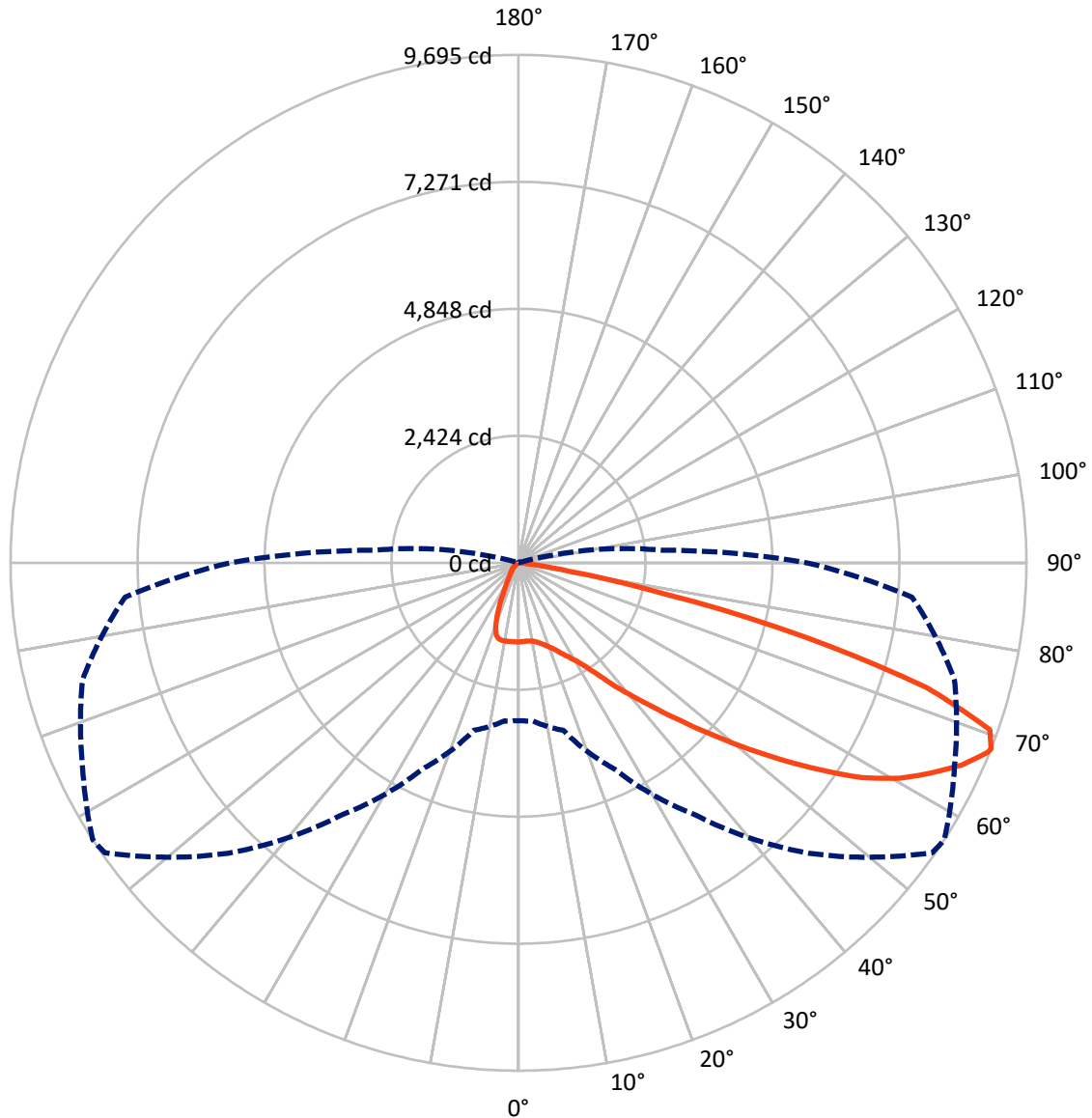
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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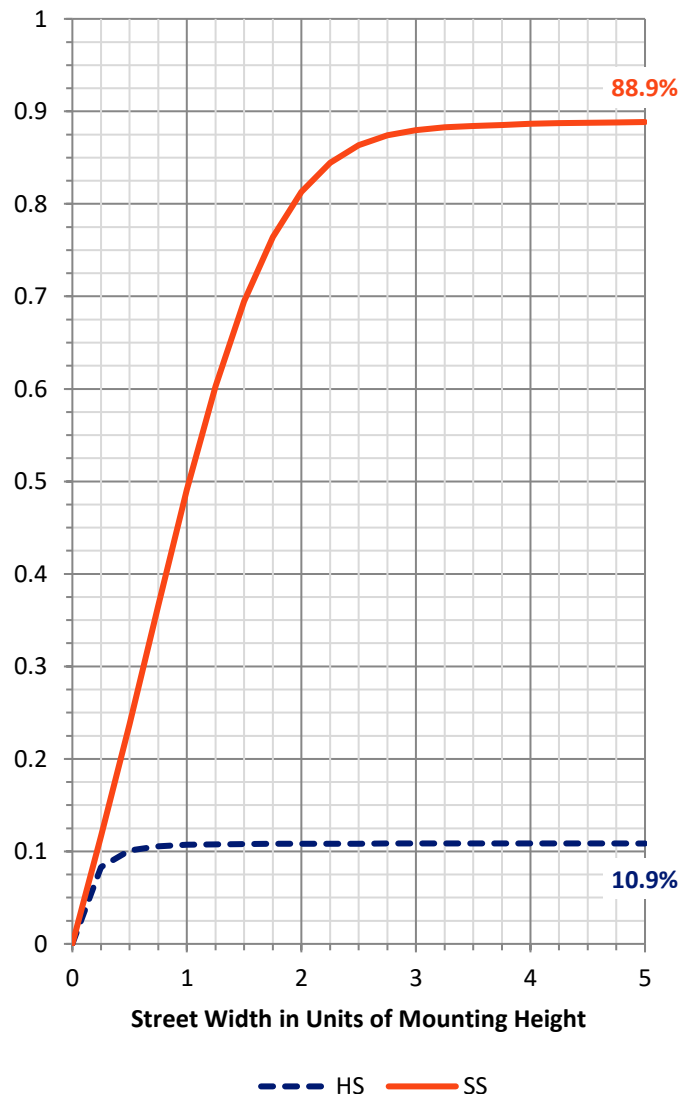
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1394.2	0.0	1394.2
	% Fixture	11.0	0.0	11.0
<b>Street Side</b>	Lumens	11319.8	0.0	11319.8
	% Fixture	89.0	0.0	89.0
<b>Total</b>	Lumens	12714.0	0.0	12714.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.4	1.1
10°-20°	391.8	3.1
20°-30°	675.9	5.3
30°-40°	1166.5	9.2
40°-50°	1995.4	15.7
50°-60°	3192.4	25.1
60°-70°	3688.4	29.0
70°-80°	1409.4	11.1
80°-90°	52.8	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°	12714.0	100.0
0°-180°	12714.0	100.0

**Coefficient of Utilization**

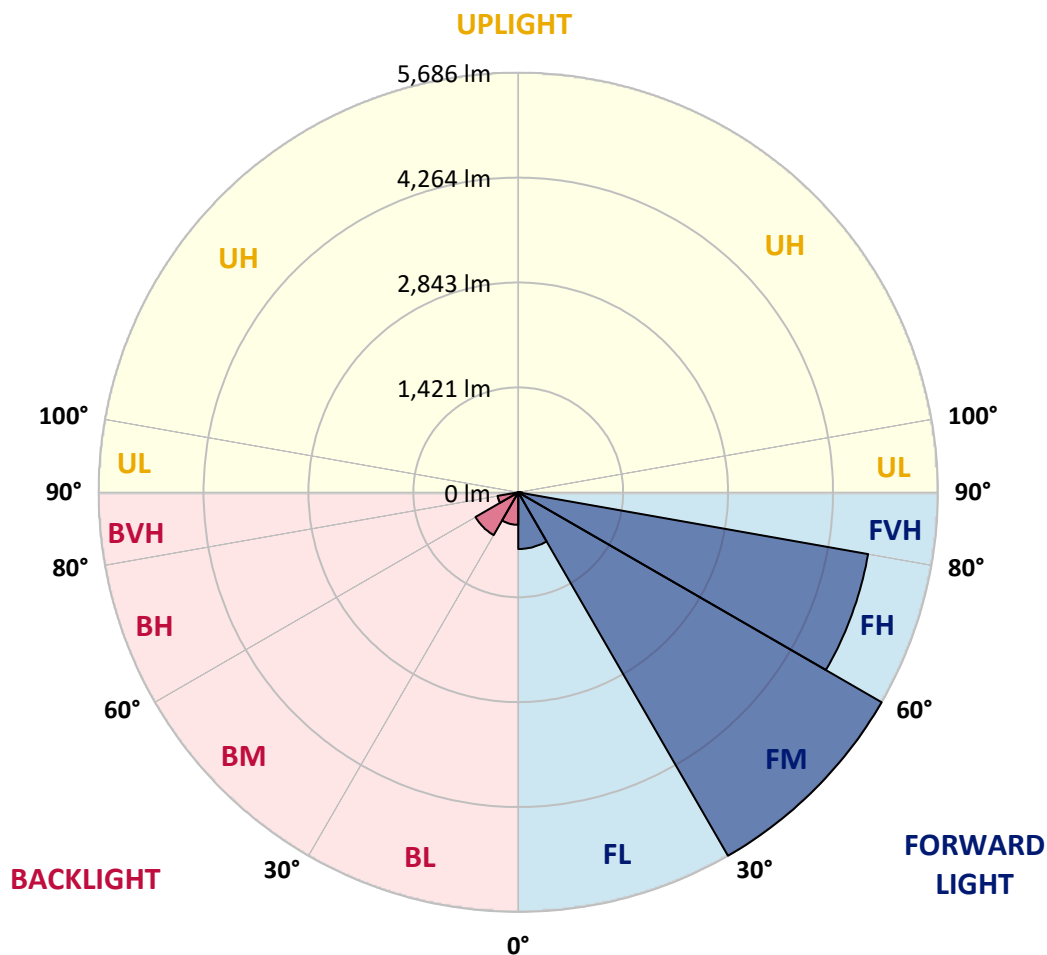


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	768.4	6.0			
FM (30°-60°)	5685.6	44.7			
FH (60°-80°)	4813.9	37.9			G2/5000
FVH (80°-90°)	51.9	0.4			G1/100
BL (0°-30°)	440.6	3.5	B1/500		
BM (30°-60°)	668.7	5.3	B1/1000		
BH (60°-80°)	283.9	2.2	B1/500		G1/500
BVH (80°-90°)	1.0	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°	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8
2.5°	1475.3	1481.9	1486.7	1489.7	1493.3	1501.1	1503.5	1507.2	1509.0	1509.0	1513.2
5°	1417.0	1424.2	1434.4	1442.8	1459.7	1481.3	1496.9	1502.9	1513.8	1523.4	1528.8
7.5°	1362.9	1371.3	1383.3	1403.1	1432.0	1466.9	1499.3	1507.8	1528.8	1549.2	1559.5
10°	1328.0	1334.6	1350.2	1378.5	1416.4	1465.1	1510.8	1521.0	1557.0	1591.3	1610.6
12.5°	1316.0	1322.0	1338.2	1370.1	1417.0	1474.1	1537.2	1552.2	1605.1	1655.0	1682.1
15°	1333.4	1334.6	1352.0	1382.1	1428.4	1496.3	1581.1	1599.1	1665.9	1730.8	1764.5
17.5°	1400.7	1395.3	1404.4	1417.6	1454.2	1525.8	1627.4	1654.4	1743.4	1819.8	1851.6
20°	1569.1	1569.1	1548.6	1512.6	1513.2	1571.5	1689.9	1720.6	1829.4	1917.8	1946.6
22.5°	1857.0	1851.6	1810.7	1722.4	1641.2	1650.2	1766.3	1805.9	1932.8	2027.2	2036.8
25°	2203.3	2196.7	2133.6	2009.1	1868.5	1777.7	1869.7	1915.4	2056.0	2139.6	2119.8
27.5°	2570.0	2564.6	2502.1	2347.6	2147.4	1980.9	1992.9	2036.2	2181.7	2264.0	2200.9
30°	2925.3	2927.1	2865.2	2706.5	2479.9	2240.0	2149.2	2174.5	2303.7	2387.3	2297.1
32.5°	3263.2	3265.6	3212.1	3034.7	2823.1	2541.2	2365.6	2359.0	2445.6	2528.0	2424.5
35°	3564.4	3570.4	3533.7	3396.1	3171.8	2876.6	2646.4	2630.8	2647.0	2740.2	2619.9
37.5°	3854.7	3858.4	3830.7	3714.7	3527.1	3245.2	3001.1	2978.8	2944.0	3015.5	2877.8
40°	4172.8	4163.8	4131.9	4026.7	3865.6	3652.2	3382.2	3343.7	3283.0	3346.8	3216.9
42.5°	4468.6	4458.3	4463.7	4344.7	4208.8	4070.6	3826.5	3760.4	3724.9	3798.2	3632.9
45°	4838.3	4832.9	4850.9	4747.5	4637.5	4537.1	4335.7	4263.5	4247.9	4333.9	4136.1
47.5°	5203.2	5216.4	5272.3	5228.4	5184.0	5095.6	4874.9	4842.5	4852.1	4956.1	4666.9
50°	5507.4	5523.0	5676.3	5726.8	5791.1	5739.4	5518.2	5498.4	5536.2	5630.0	5238.1
52.5°	5727.4	5759.3	5949.9	6182.5	6417.0	6451.8	6231.2	6213.2	6264.3	6278.7	5679.3
55°	5880.1	5908.4	6124.2	6549.8	7027.2	7177.5	7040.4	6970.7	6961.0	6818.6	6143.4
57.5°	5907.2	5904.2	6214.4	6787.3	7505.7	7893.5	7806.9	7738.4	7541.2	7317.5	6675.5
60°	5754.5	5771.9	6132.0	6869.7	7806.3	8435.1	8441.7	8352.8	8045.6	7802.7	7191.3
62.5°	5284.3	5355.3	5719.0	6653.8	7802.7	8653.3	8907.0	8839.1	8471.8	8200.1	7714.3
65°	4522.1	4547.3	4894.2	5914.4	7275.4	8562.0	9326.1	9300.8	8855.9	8586.0	7983.0
67.5°	3302.3	3247.6	3611.9	4657.3	6159.7	8029.3	9626.7	9658.5	9152.3	8665.4	7696.9
68°	3013.7	3029.9	3313.7	4346.5	5867.5	7841.2	9646.5	9695.2	9181.8	8613.7	7540.6
70°	1796.3	1827.6	2080.7	2992.7	4463.7	6776.5	9432.5	9543.7	9006.2	8080.4	6522.2
72.5°	458.7	496.0	735.2	1339.4	2549.6	4774.5	7962.6	8150.8	7819.5	6555.2	4403.0
75°	188.8	198.4	262.7	441.3	949.9	2151.0	5248.3	5651.1	5420.8	3924.5	1989.9
77.5°	130.5	137.1	168.9	244.7	411.2	729.2	2573.0	2864.0	2580.3	1339.4	434.0
80°	93.8	99.2	120.8	162.9	236.3	260.3	838.6	969.7	770.1	294.0	107.6
82.5°	55.9	60.1	90.2	116.0	143.7	124.4	208.6	236.9	223.0	146.1	48.1
85°	27.7	32.5	60.7	83.0	77.6	52.3	63.7	70.9	87.8	89.0	25.9
87.5°	1.8	3.6	35.5	49.9	21.6	12.0	18.6	22.8	31.3	43.9	10.8
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°	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8
2.5°	1515.0	1515.6	1511.4	1509.6	1510.8	1503.5	1500.5	1501.7	1501.7	1503.5	1500.5
5°	1530.0	1530.0	1522.8	1513.2	1507.8	1493.9	1484.9	1482.5	1480.7	1479.5	1477.1
7.5°	1562.5	1558.9	1546.2	1525.2	1507.2	1477.1	1454.2	1442.2	1436.2	1433.8	1432.0
10°	1614.8	1608.1	1587.1	1548.0	1506.6	1453.0	1403.1	1367.7	1338.2	1326.2	1319.0
12.5°	1685.1	1675.5	1640.0	1575.1	1502.3	1403.7	1295.5	1191.5	1094.7	1055.1	1035.2
15°	1766.3	1752.4	1696.5	1597.9	1477.7	1292.5	1057.5	875.3	741.3	690.8	669.1
17.5°	1848.6	1830.6	1745.8	1612.4	1403.7	1062.3	741.9	560.3	470.7	446.7	438.3
20°	1931.6	1905.1	1788.5	1601.5	1236.6	765.9	489.4	409.4	383.6	376.3	373.9
22.5°	2010.3	1969.5	1827.0	1559.5	979.3	514.0	387.2	361.9	353.5	349.3	348.1
25°	2078.9	2021.8	1860.6	1429.6	693.2	388.4	348.7	340.3	329.4	321.6	322.2
27.5°	2143.2	2074.1	1881.1	1215.6	462.3	331.8	322.8	311.4	291.6	280.1	280.1
30°	2220.7	2143.8	1896.1	935.4	340.3	293.4	286.2	268.7	241.7	226.6	226.6
32.5°	2337.4	2249.6	1886.5	656.5	282.0	257.9	241.1	217.0	187.6	173.1	172.5
35°	2515.9	2413.1	1818.0	430.4	248.9	224.2	197.2	167.7	141.9	129.9	129.3
37.5°	2756.4	2632.0	1664.1	307.8	223.0	193.0	160.5	128.1	108.8	101.0	100.4
40°	3068.4	2886.3	1444.0	249.5	199.0	162.9	123.8	99.2	86.0	80.0	80.6
42.5°	3442.9	3158.6	1180.1	215.2	175.5	134.1	96.8	78.2	69.7	65.5	64.3
45°	3859.0	3427.3	903.6	191.8	152.1	108.2	75.7	61.9	55.3	52.9	52.9
47.5°	4316.5	3688.8	661.3	171.3	126.8	83.6	60.7	50.5	45.1	43.3	42.7
50°	4731.9	3870.4	476.7	149.7	104.0	66.1	49.3	42.1	38.5	36.1	36.1
52.5°	5078.1	3927.5	351.1	126.2	84.2	52.9	40.9	36.1	32.5	30.7	30.7
55°	5382.9	3904.0	260.9	104.0	67.9	43.3	34.9	30.7	27.7	25.9	25.9
57.5°	5675.1	3828.3	194.8	84.8	54.7	34.9	29.5	25.9	22.8	21.6	21.6
60°	5913.8	3702.0	144.9	68.5	43.9	28.3	24.6	21.0	18.6	16.8	16.8
62.5°	6107.4	3562.6	106.4	56.5	34.9	22.2	19.2	17.4	13.8	12.0	12.0
65°	6108.6	3331.1	80.0	46.9	27.1	17.4	14.4	13.8	9.0	7.2	6.6
67.5°	5666.7	2871.8	61.3	40.3	21.0	13.2	10.8	11.4	4.8	3.0	2.4
68°	5506.2	2755.2	57.7	39.7	19.8	12.6	10.2	11.4	4.2	2.4	1.8
70°	4642.3	2191.9	46.3	38.5	17.4	9.6	8.4	11.4	3.6	1.8	1.2
72.5°	2969.2	1272.1	34.3	30.7	13.2	7.2	5.4	10.2	3.6	1.2	0.6
75°	1263.7	394.4	23.4	21.6	7.8	5.4	3.6	6.6	2.4	0.6	0.0
77.5°	266.3	89.0	13.8	13.2	5.4	3.6	2.4	1.8	0.6	0.0	0.0
80°	68.5	25.9	7.2	6.6	3.0	1.8	1.2	0.0	0.0	0.0	0.0
82.5°	21.6	10.2	4.2	3.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.8	6.0	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.0	1.8	0.6	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)