

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: P321887

Luminaire Tested: **GAN-SA3C-730-U-T2-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P321887  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3C-730-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13991 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G3

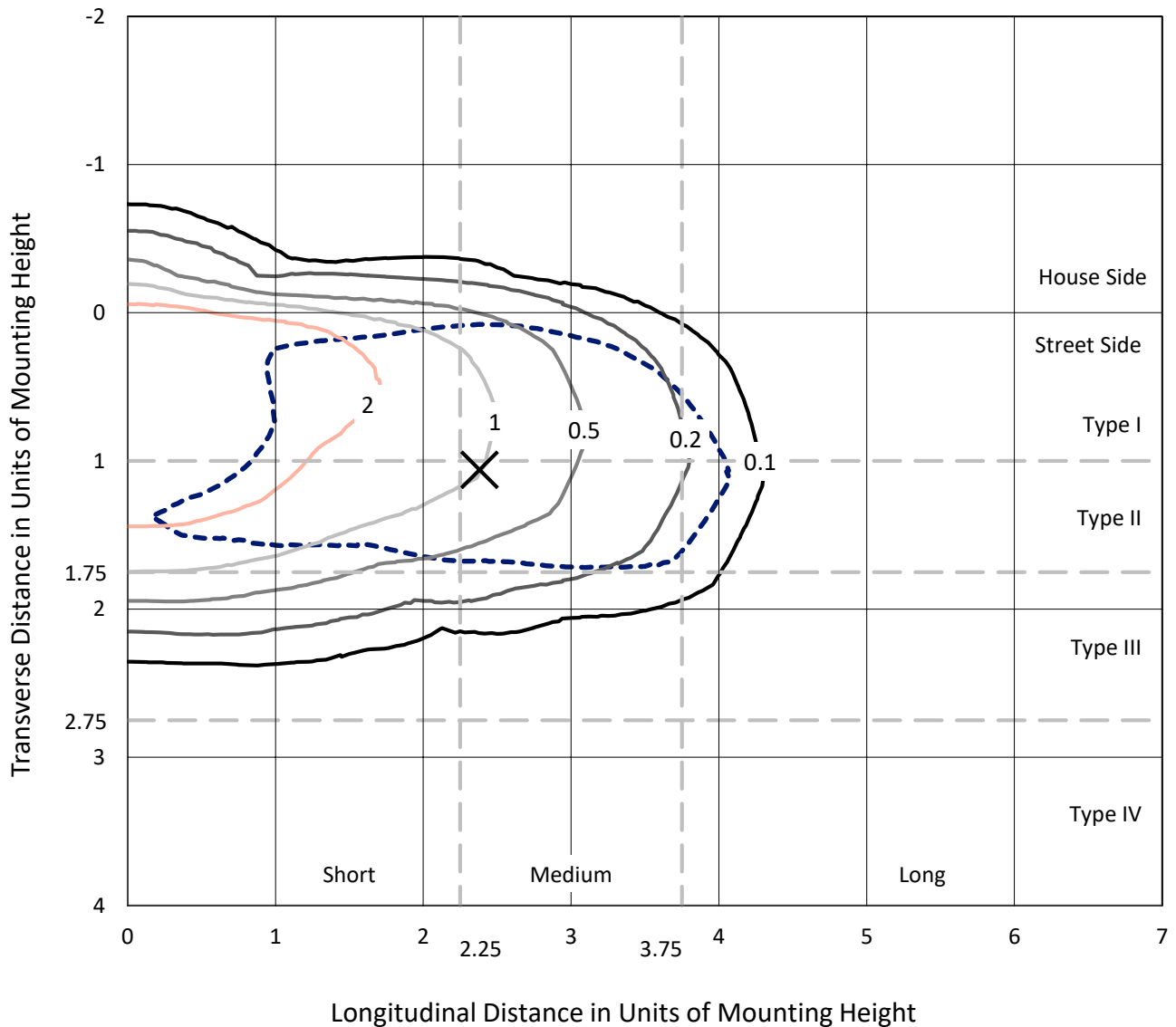
Input Watts (W): 166  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

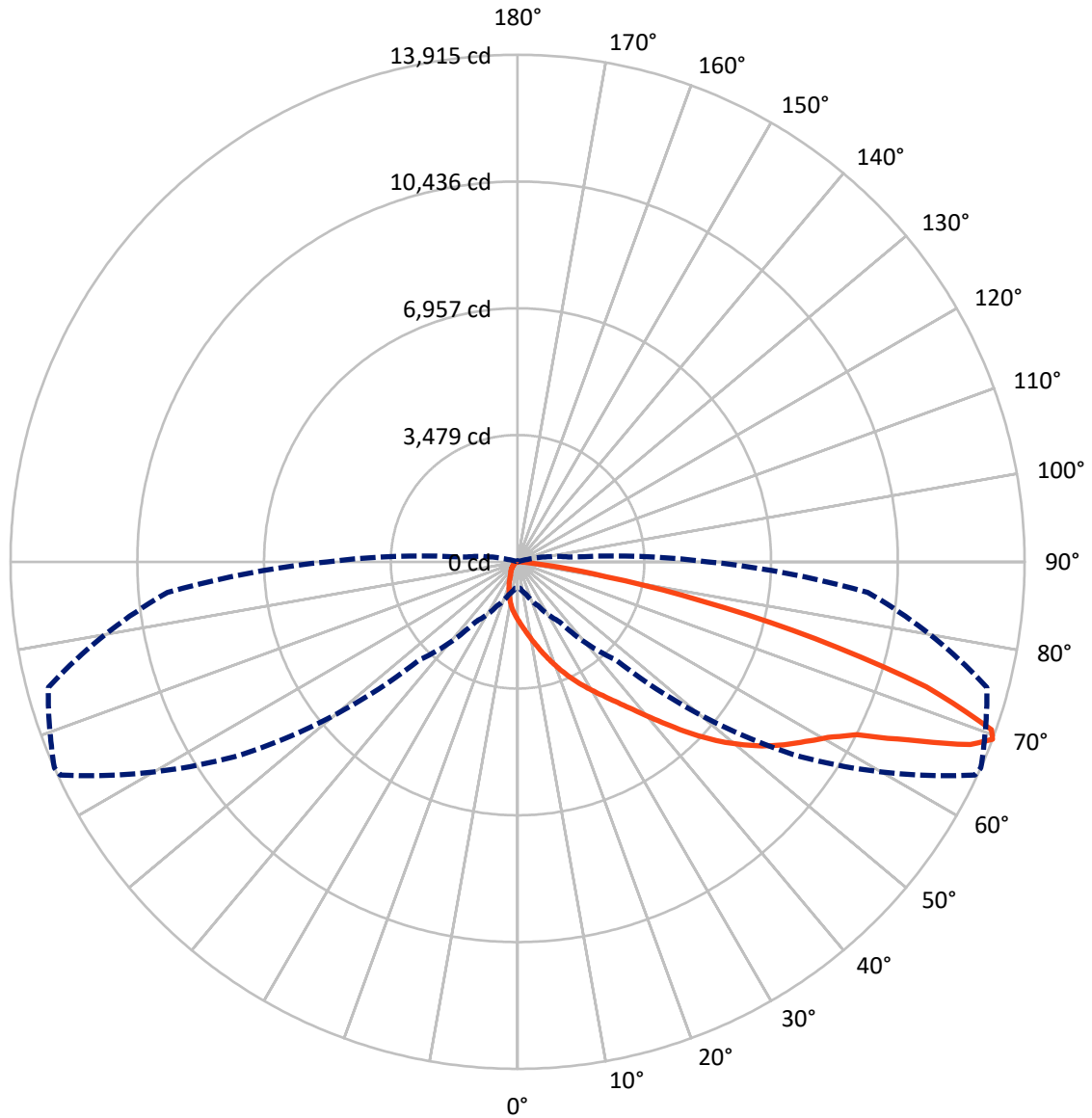
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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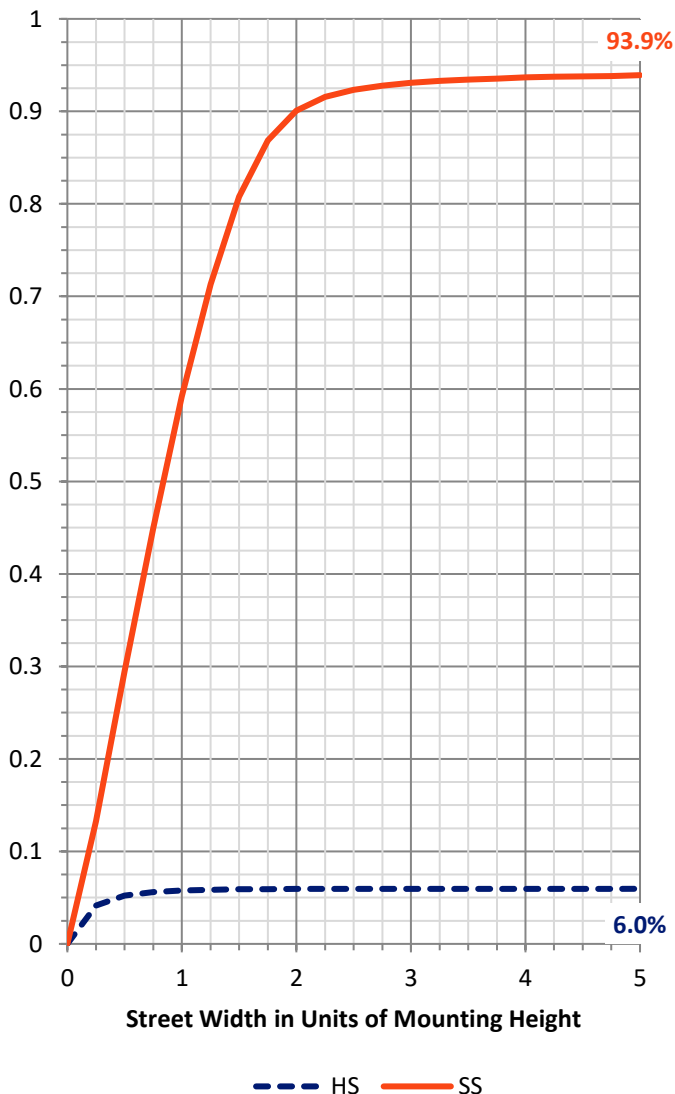
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	839.3	0.0	839.3
	% Fixture	6.0	0.0	6.0
<b>Street Side</b>	Lumens	13151.7	0.0	13151.7
	% Fixture	94.0	0.0	94.0
<b>Total</b>	Lumens	13991.0	0.0	13991.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.9	1.1
10°-20°	458.1	3.3
20°-30°	797.7	5.7
30°-40°	1399.5	10.0
40°-50°	2342.5	16.7
50°-60°	3443.3	24.6
60°-70°	3535.4	25.3
70°-80°	1745.3	12.5
80°-90°	115.4	0.8
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°	13991.0	100.0
0°-180°	13991.0	100.0

**Coefficient of Utilization**

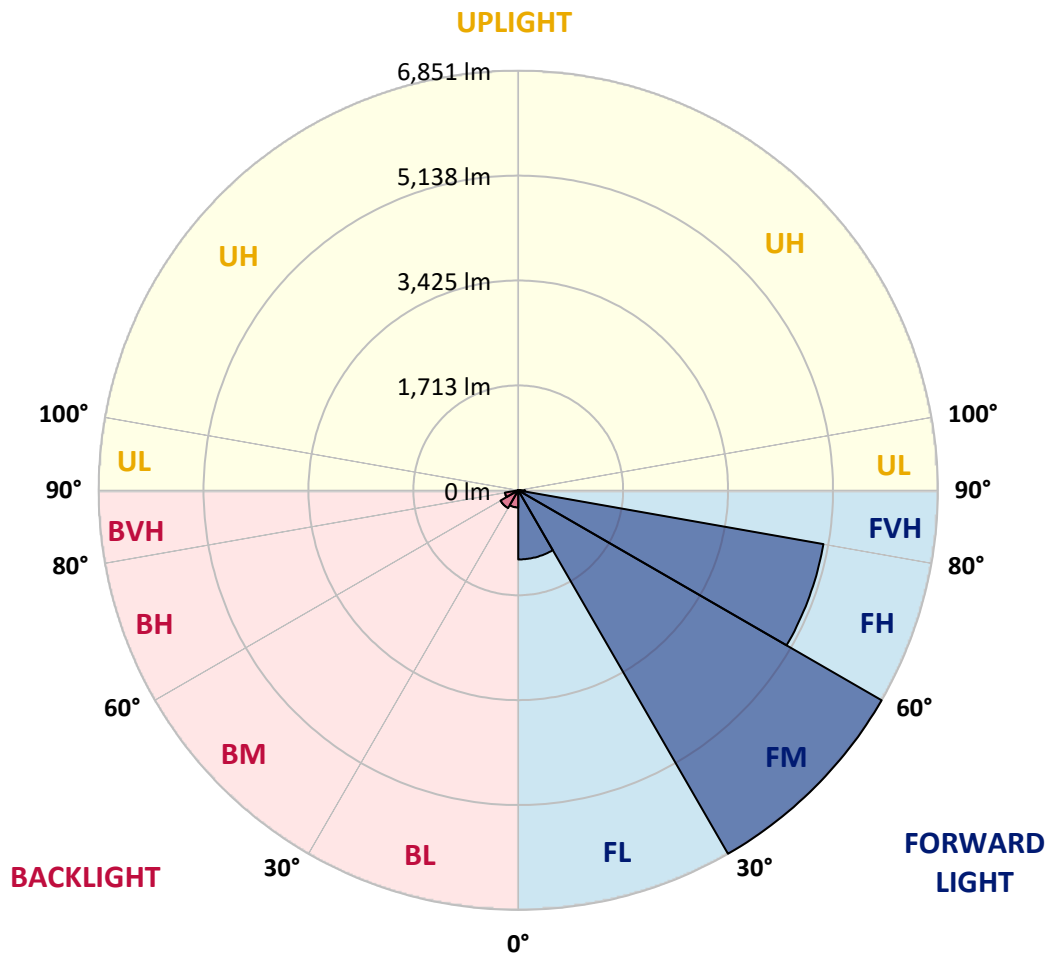


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1128.9	8.1			
FM (30°-60°)	6850.7	49.0			
FH (60°-80°)	5059.5	36.2			G3/7500
FVH (80°-90°)	112.6	0.8			G2/225
BL (0°-30°)	280.7	2.0	B1/500		
BM (30°-60°)	334.6	2.4	B1/1000		
BH (60°-80°)	221.2	1.6	B1/500		G1/500
BVH (80°-90°)	2.8	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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2
2.5°	1874.0	1866.0	1862.7	1848.1	1822.8	1803.5	1766.3	1723.1	1715.2	1673.3	1622.1
5°	2117.2	2110.6	2105.9	2085.3	2059.4	2010.9	1943.1	1862.7	1847.4	1767.7	1665.3
7.5°	2286.7	2298.6	2298.6	2285.3	2252.8	2216.2	2133.2	2023.5	2004.2	1882.0	1723.1
10°	2385.7	2400.3	2411.6	2422.9	2418.2	2403.6	2325.2	2201.6	2178.3	2016.2	1790.3
12.5°	2395.0	2409.6	2441.5	2488.7	2534.5	2567.8	2518.6	2399.0	2372.4	2171.7	1870.0
15°	2343.1	2358.4	2407.6	2499.3	2610.3	2707.3	2723.3	2617.6	2590.3	2357.1	1969.7
17.5°	2252.8	2262.7	2333.2	2460.1	2634.2	2812.3	2908.7	2852.2	2826.9	2569.1	2080.7
20°	2185.6	2193.0	2254.8	2391.0	2619.6	2878.1	3084.1	3101.4	3074.8	2796.4	2200.9
22.5°	2300.6	2313.9	2315.9	2380.4	2579.7	2910.7	3238.3	3346.6	3326.7	3037.6	2319.2
25°	2614.9	2630.2	2579.7	2539.8	2613.6	2925.3	3370.5	3597.8	3581.8	3297.4	2438.2
27.5°	3030.3	3046.2	2981.1	2862.1	2791.0	2980.4	3488.1	3853.0	3852.3	3572.5	2566.4
30°	3438.3	3454.2	3387.8	3268.8	3105.4	3136.6	3589.8	4120.1	4124.1	3856.3	2702.7
32.5°	3866.3	3886.2	3817.7	3664.9	3494.1	3406.4	3732.7	4388.6	4411.2	4185.2	2856.2
35°	4352.7	4355.3	4259.0	4098.8	3902.1	3767.2	3961.9	4689.6	4743.4	4592.6	3050.9
37.5°	4829.8	4849.1	4770.0	4517.5	4336.7	4183.9	4302.9	5065.7	5142.2	5090.3	3305.4
40°	5183.4	5223.9	5212.6	4940.1	4768.7	4659.7	4726.2	5513.0	5610.0	5669.8	3626.4
42.5°	5405.3	5435.9	5487.7	5323.6	5168.1	5186.0	5225.9	6034.0	6153.6	6330.3	3995.2
45°	5659.8	5674.4	5717.6	5645.2	5540.2	5721.0	5756.2	6620.7	6746.3	7040.7	4404.5
47.5°	5970.8	6005.4	6017.3	5950.9	5903.0	6194.1	6267.2	7154.4	7330.5	7801.6	4837.8
50°	6366.9	6376.2	6396.8	6353.6	6305.8	6600.8	6725.7	7714.6	7874.7	8565.2	5265.1
52.5°	6754.3	6787.5	6859.3	6832.1	6812.8	6947.0	7134.4	8219.6	8398.4	9201.8	5691.7
55°	6866.0	6894.5	7142.4	7311.9	7468.7	7373.7	7525.2	8672.2	8865.5	9770.6	6102.4
57.5°	6420.1	6477.9	6907.2	7348.4	7999.0	8036.9	8062.1	9136.7	9310.1	10206.6	6529.7
60°	5293.0	5304.3	6008.7	6765.6	7911.3	8615.7	8846.3	9635.7	9781.3	10612.6	7041.4
62.5°	3366.5	3481.5	4254.3	5322.9	6983.6	8531.9	9794.5	10390.6	10443.8	11099.7	7775.0
65°	1603.5	1677.9	2234.8	3288.8	5058.4	7460.0	10449.1	11756.3	11780.2	12065.3	8755.2
67.5°	887.8	923.7	1188.8	1770.3	2957.2	5275.7	10184.6	13373.7	13396.3	13051.4	9615.1
69°	694.4	725.0	933.7	1334.4	2004.9	3791.8	9216.4	13847.5	13914.7	13333.9	9645.7
70°	589.4	619.3	804.1	1127.0	1612.2	2929.9	8203.7	13729.9	13801.0	13307.3	9417.8
72.5°	360.8	378.1	535.6	793.5	1080.5	1473.9	5059.1	11611.4	11731.7	12206.8	8094.0
75°	243.2	252.5	334.9	547.6	772.9	758.9	2628.2	8184.4	8444.9	9495.5	5978.1
77.5°	174.1	182.7	224.6	354.2	541.6	501.1	1190.2	5086.3	5142.2	5695.0	3260.2
80°	99.0	107.0	158.8	210.7	367.5	334.3	473.1	2429.5	2457.4	2442.2	1088.5
82.5°	51.8	58.5	87.1	138.9	235.9	218.6	196.7	813.4	817.4	679.8	238.6
85°	10.0	12.0	43.2	95.0	121.6	95.0	80.4	190.7	194.7	172.1	59.1
87.5°	0.0	0.7	17.3	21.3	23.9	24.6	25.9	37.2	39.9	53.8	15.9
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°	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2
2.5°	1599.5	1575.6	1529.8	1476.6	1435.4	1394.9	1363.0	1329.7	1317.8	1311.8	1311.1
5°	1615.5	1565.0	1468.0	1368.3	1286.5	1209.4	1154.3	1101.8	1077.2	1065.9	1061.3
7.5°	1642.1	1561.0	1404.8	1252.6	1135.0	1038.7	962.2	905.1	876.5	864.6	859.9
10°	1673.3	1555.7	1331.1	1130.4	980.2	880.5	804.7	748.3	717.0	703.7	697.1
12.5°	1709.8	1546.4	1246.0	1006.8	847.9	748.3	656.6	586.8	550.9	535.6	528.3
15°	1755.0	1537.1	1157.0	890.5	731.7	610.0	509.7	462.5	455.2	452.5	453.2
17.5°	1799.6	1522.4	1059.9	775.5	609.4	476.5	425.3	422.6	424.0	424.0	424.0
20°	1839.4	1489.2	954.3	677.2	493.1	402.0	391.4	386.8	383.4	380.8	377.5
22.5°	1870.7	1444.7	852.6	579.5	402.7	368.2	351.5	336.9	325.0	317.0	313.0
25°	1891.9	1385.6	759.6	485.8	362.2	334.9	305.0	280.4	261.8	250.5	245.9
27.5°	1907.9	1321.8	676.5	406.7	334.3	296.4	257.2	227.9	208.7	198.7	194.7
30°	1919.2	1249.3	603.4	357.5	303.0	255.8	214.0	185.4	171.4	166.1	163.5
32.5°	1929.8	1168.9	534.3	334.3	273.8	218.6	179.4	157.5	148.9	142.2	140.2
35°	1956.4	1094.5	468.5	309.7	243.9	186.7	154.2	138.2	129.6	125.6	124.3
37.5°	2019.5	1039.3	405.4	284.4	214.0	161.5	134.9	123.6	115.6	111.6	110.3
40°	2121.2	1011.4	352.2	257.2	184.7	142.2	122.3	111.6	103.0	97.0	95.7
42.5°	2270.7	1015.4	315.0	229.9	161.5	126.9	110.3	97.7	88.4	83.1	81.7
45°	2452.1	1044.6	289.1	203.3	142.2	115.0	97.0	83.7	75.1	70.4	69.1
47.5°	2648.8	1091.8	267.8	179.4	126.9	103.7	83.7	69.8	62.5	58.5	57.8
50°	2856.2	1137.7	245.9	156.2	113.6	92.4	70.4	57.8	51.8	48.5	47.2
52.5°	3066.2	1190.8	225.9	134.9	102.3	79.1	58.5	47.2	42.5	39.9	38.5
55°	3292.1	1230.7	206.7	118.3	91.0	67.1	48.5	39.2	35.2	31.9	31.2
57.5°	3557.9	1292.5	186.7	102.3	77.8	55.8	39.9	31.2	27.9	24.6	23.9
60°	3916.8	1365.0	165.5	90.4	63.8	45.9	32.6	25.3	21.3	18.6	17.9
62.5°	4389.9	1445.4	138.9	79.1	51.8	37.2	25.9	19.9	15.3	12.0	12.0
65°	4990.0	1576.3	113.6	66.5	42.5	30.6	19.9	14.6	8.6	5.3	5.3
67.5°	5340.2	1598.9	91.7	54.5	34.6	25.9	16.6	10.0	2.7	0.7	0.0
69°	5227.9	1468.0	77.8	46.5	29.9	24.6	15.3	7.3	1.3	0.0	0.0
70°	5016.6	1342.4	68.4	41.2	27.2	23.3	14.6	5.3	1.3	0.0	0.0
72.5°	4145.4	955.6	51.8	30.6	19.9	20.6	13.3	3.3	1.3	0.0	0.0
75°	3019.6	580.8	37.2	21.3	12.6	15.3	9.3	1.3	0.7	0.0	0.0
77.5°	1679.9	273.8	23.3	12.0	8.0	9.3	4.7	0.0	0.0	0.0	0.0
80°	545.6	74.4	10.6	6.6	4.7	5.3	2.0	0.0	0.0	0.0	0.0
82.5°	101.0	21.3	6.0	3.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
85°	21.9	8.6	3.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.3	2.7	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)