

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: P321886

Luminaire Tested: **GAN-SA2C-730-U-T2-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P321886  
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-SA2C-730-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 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: 9375 lumens  
Efficiency: N/A  
Efficacy: 83.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - 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

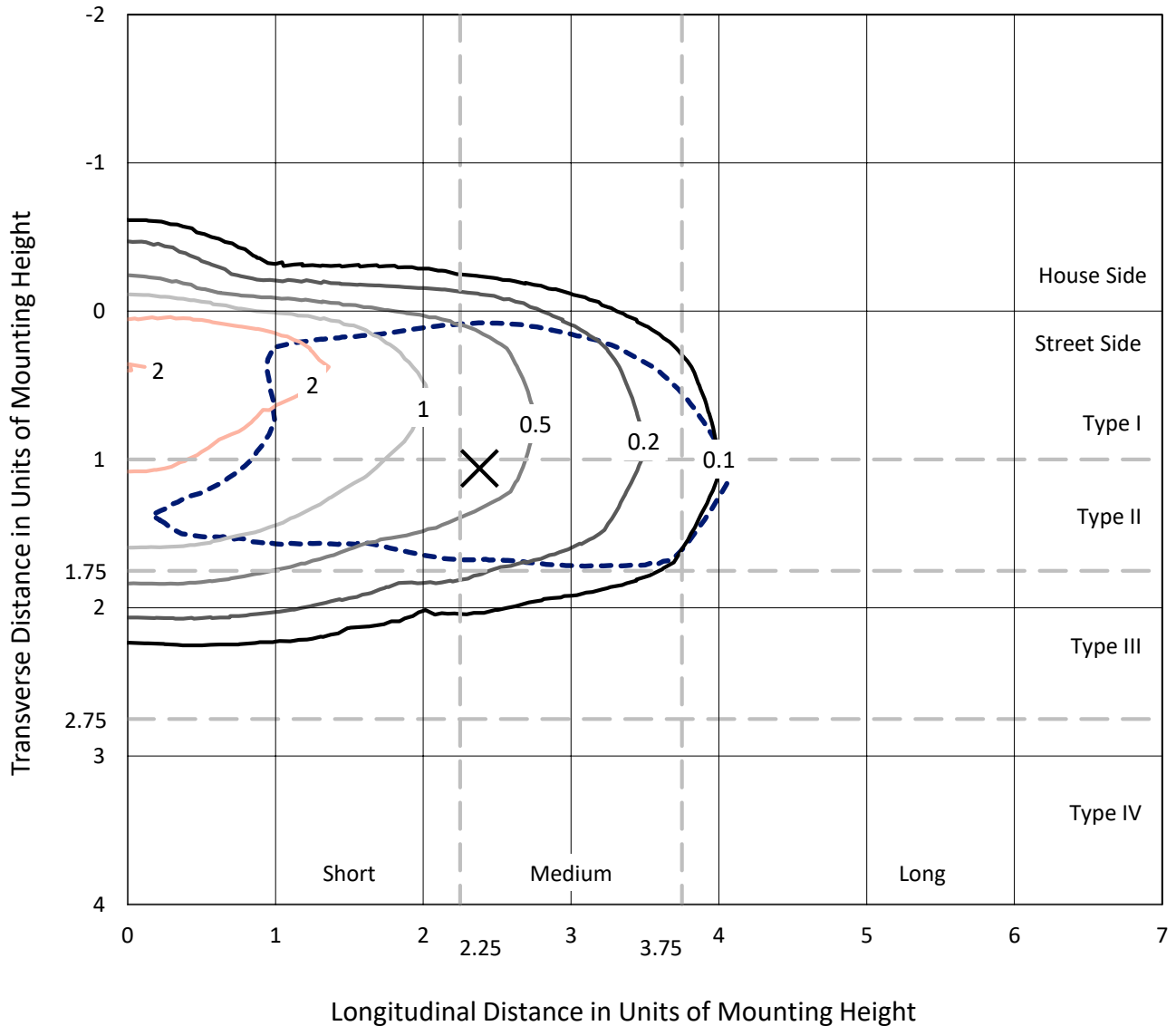




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### Iso-Footcandle Lines of Horizontal Illumination

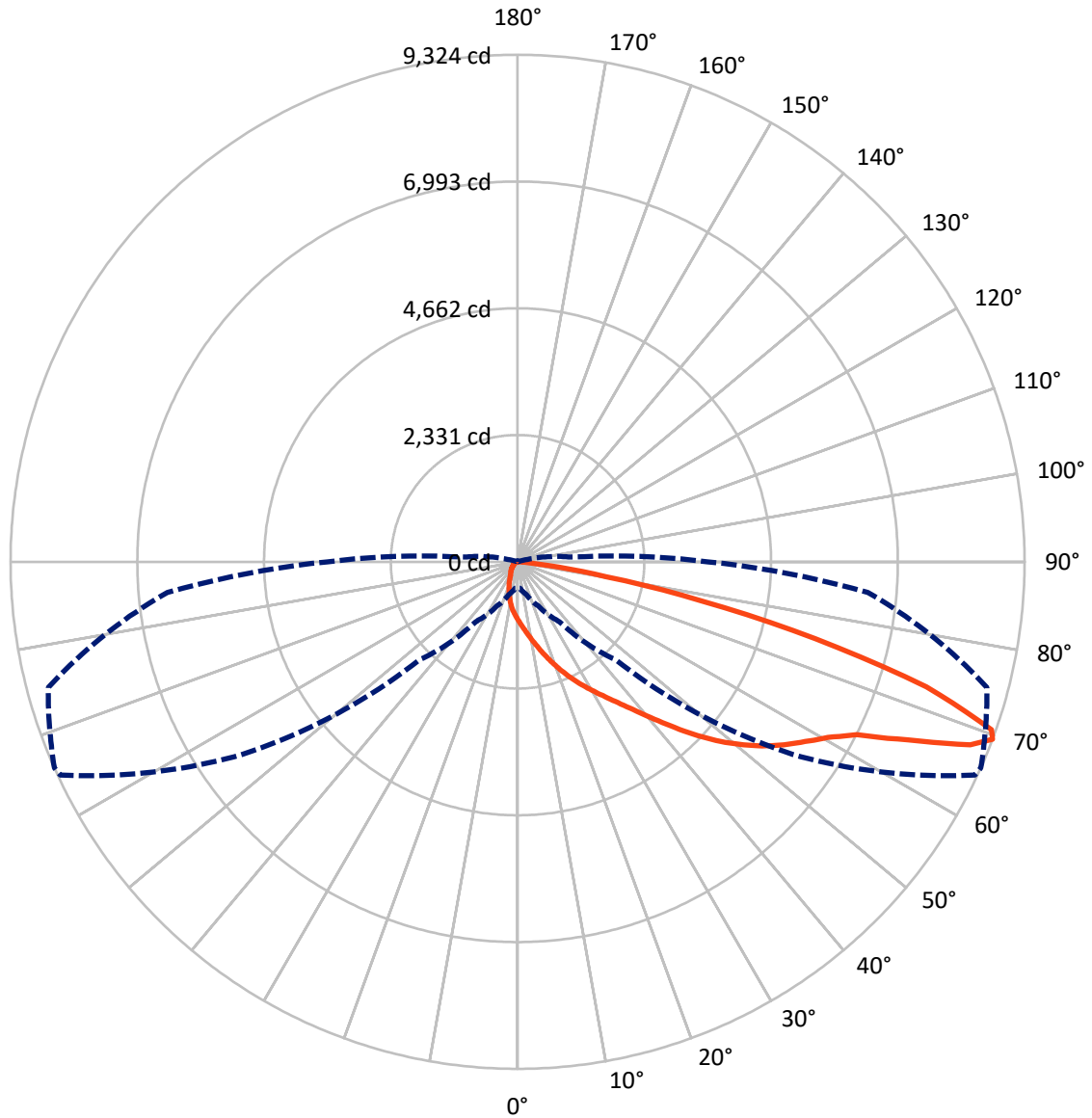
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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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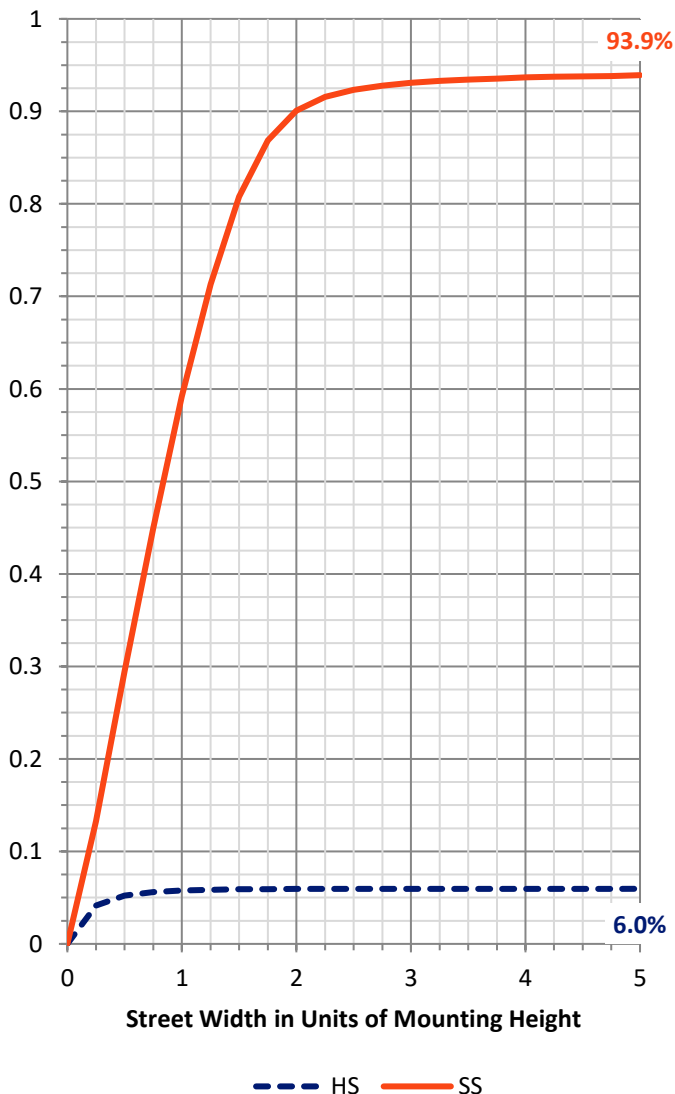
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	562.4	0.0	562.4
	% Fixture	6.0	0.0	6.0
<b>Street Side</b>	Lumens	8812.6	0.0	8812.6
	% Fixture	94.0	0.0	94.0
<b>Total</b>	Lumens	9375.0	0.0	9375.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.1	1.1
10°-20°	306.9	3.3
20°-30°	534.5	5.7
30°-40°	937.8	10.0
40°-50°	1569.7	16.7
50°-60°	2307.3	24.6
60°-70°	2369.0	25.3
70°-80°	1169.5	12.5
80°-90°	77.3	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°	9375.0	100.0
0°-180°	9375.0	100.0

**Coefficient of Utilization**

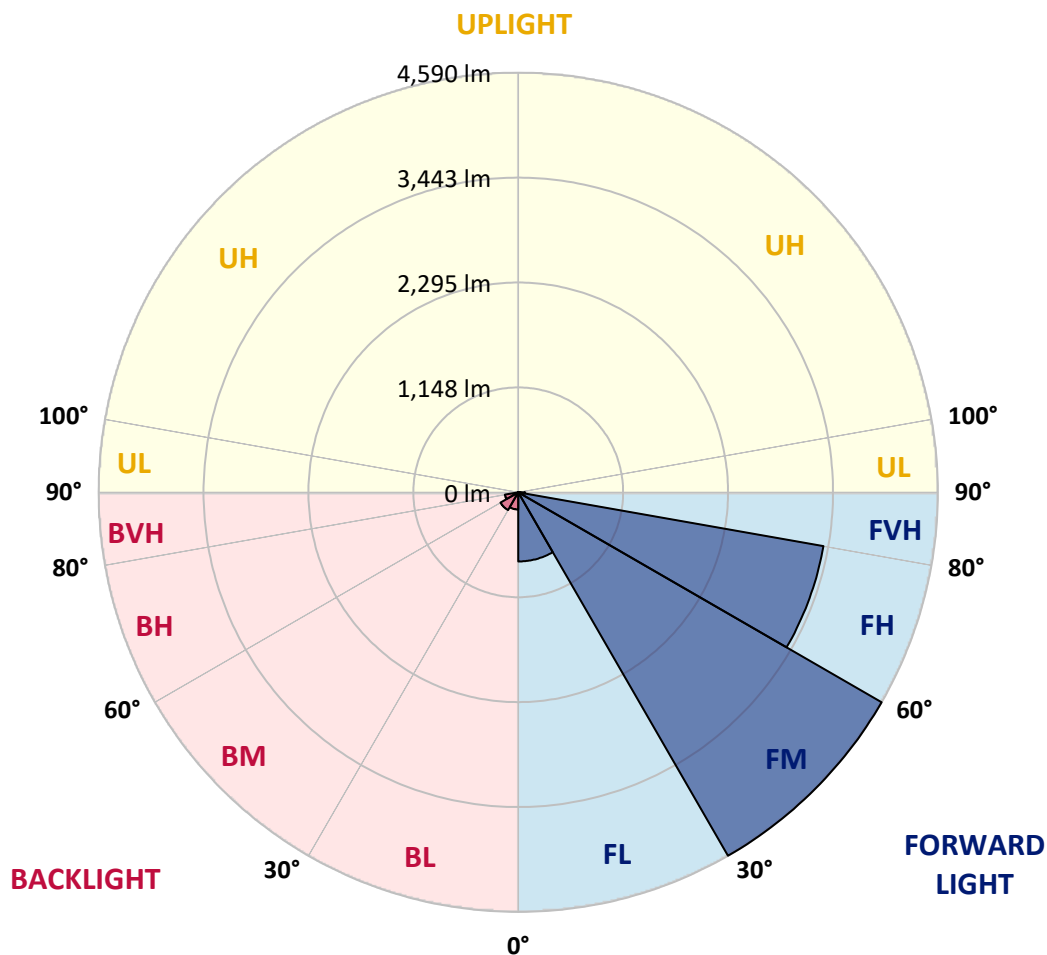


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	756.5	8.1			
FM (30°-60°)	4590.4	49.0			
FH (60°-80°)	3390.3	36.2			G2/5000
FVH (80°-90°)	75.5	0.8			G1/100
BL (0°-30°)	188.1	2.0	B1/500		
BM (30°-60°)	224.2	2.4	B1/1000		
BH (60°-80°)	148.2	1.6	B1/500		G1/500
BVH (80°-90°)	1.9	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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9
2.5°	1255.7	1250.4	1248.1	1238.3	1221.4	1208.5	1183.6	1154.6	1149.3	1121.2	1086.9
5°	1418.7	1414.2	1411.1	1397.3	1379.9	1347.4	1302.0	1248.1	1237.9	1184.5	1115.9
7.5°	1532.2	1540.2	1540.2	1531.3	1509.5	1485.0	1429.4	1355.9	1343.0	1261.0	1154.6
10°	1598.6	1608.4	1615.9	1623.5	1620.4	1610.6	1558.1	1475.2	1459.6	1351.0	1199.6
12.5°	1604.8	1614.6	1636.0	1667.6	1698.3	1720.6	1687.6	1607.5	1589.7	1455.2	1253.0
15°	1570.1	1580.3	1613.3	1674.7	1749.1	1814.1	1824.8	1754.0	1735.7	1579.4	1319.8
17.5°	1509.5	1516.2	1563.4	1648.4	1765.1	1884.5	1949.0	1911.2	1894.2	1721.5	1394.2
20°	1464.5	1469.4	1510.9	1602.1	1755.3	1928.5	2066.6	2078.1	2060.3	1873.8	1474.8
22.5°	1541.6	1550.5	1551.8	1595.0	1728.6	1950.4	2169.9	2242.5	2229.1	2035.4	1554.0
25°	1752.2	1762.4	1728.6	1701.9	1751.3	1960.1	2258.5	2410.8	2400.1	2209.5	1633.8
27.5°	2030.5	2041.2	1997.6	1917.8	1870.2	1997.1	2337.3	2581.8	2581.3	2393.9	1719.7
30°	2303.9	2314.6	2270.1	2190.4	2080.8	2101.7	2405.4	2760.8	2763.4	2584.0	1811.0
32.5°	2590.7	2604.0	2558.2	2455.8	2341.3	2282.5	2501.2	2940.7	2955.8	2804.4	1913.8
35°	2916.6	2918.4	2853.8	2746.5	2614.7	2524.3	2654.8	3142.4	3178.5	3077.4	2044.3
37.5°	3236.3	3249.3	3196.3	3027.1	2905.9	2803.5	2883.2	3394.4	3445.6	3410.9	2214.9
40°	3473.2	3500.4	3492.8	3310.3	3195.4	3122.3	3166.9	3694.1	3759.1	3799.2	2429.9
42.5°	3622.0	3642.4	3677.2	3567.2	3463.0	3475.0	3501.7	4043.2	4123.3	4241.8	2677.1
45°	3792.5	3802.3	3831.2	3782.7	3712.3	3833.5	3857.1	4436.4	4520.5	4717.8	2951.4
47.5°	4000.9	4024.0	4032.1	3987.5	3955.5	4150.5	4199.5	4793.9	4911.9	5227.7	3241.7
50°	4266.3	4272.5	4286.3	4257.4	4225.3	4423.0	4506.7	5169.3	5276.6	5739.3	3528.0
52.5°	4525.9	4548.2	4596.2	4578.0	4565.1	4655.0	4780.6	5507.7	5627.5	6165.9	3813.9
55°	4600.7	4619.8	4785.9	4899.5	5004.6	4940.9	5042.4	5811.0	5940.6	6547.0	4089.1
57.5°	4301.9	4340.6	4628.3	4924.0	5359.9	5385.3	5402.2	6122.2	6238.5	6839.1	4375.4
60°	3546.7	3554.3	4026.3	4533.5	5301.1	5773.1	5927.6	6456.6	6554.2	7111.2	4718.2
62.5°	2255.8	2332.9	2850.7	3566.7	4679.5	5717.0	6563.1	6962.5	6998.1	7437.6	5209.8
65°	1074.5	1124.3	1497.5	2203.7	3389.5	4998.8	7001.7	7877.6	7893.6	8084.6	5866.6
67.5°	594.9	618.9	796.6	1186.2	1981.5	3535.1	6824.5	8961.4	8976.5	8745.4	6442.8
69°	465.3	485.8	625.6	894.1	1343.4	2540.8	6175.7	9278.9	9323.8	8934.7	6463.3
70°	395.0	415.0	538.8	755.2	1080.3	1963.3	5497.1	9200.1	9247.7	8916.9	6310.6
72.5°	241.8	253.4	358.9	531.7	724.0	987.6	3390.0	7780.5	7861.1	8179.5	5423.6
75°	163.0	169.2	224.4	366.9	517.9	508.5	1761.1	5484.1	5658.7	6362.7	4005.8
77.5°	116.7	122.5	150.5	237.3	362.9	335.7	797.5	3408.2	3445.6	3816.1	2184.6
80°	66.3	71.7	106.4	141.2	246.2	224.0	317.0	1628.0	1646.7	1636.4	729.4
82.5°	34.7	39.2	58.3	93.1	158.1	146.5	131.8	545.0	547.7	455.5	159.9
85°	6.7	8.0	28.9	63.7	81.5	63.7	53.9	127.8	130.5	115.3	39.6
87.5°	0.0	0.4	11.6	14.2	16.0	16.5	17.4	24.9	26.7	36.1	10.7
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°	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9
2.5°	1071.8	1055.8	1025.0	989.4	961.8	934.7	913.3	891.0	883.0	879.0	878.5
5°	1082.5	1048.6	983.6	916.8	862.1	810.4	773.5	738.3	721.8	714.2	711.1
7.5°	1100.3	1046.0	941.3	839.4	760.5	696.0	644.8	606.5	587.3	579.3	576.2
10°	1121.2	1042.4	891.9	757.4	656.8	590.0	539.2	501.4	480.5	471.6	467.1
12.5°	1145.7	1036.2	834.9	674.6	568.2	501.4	439.9	393.2	369.1	358.9	354.0
15°	1176.0	1029.9	775.2	596.7	490.3	408.8	341.5	309.9	305.0	303.2	303.7
17.5°	1205.8	1020.2	710.2	519.6	408.3	319.3	285.0	283.2	284.1	284.1	284.1
20°	1232.6	997.9	639.4	453.7	330.4	269.4	262.3	259.2	256.9	255.1	252.9
22.5°	1253.5	968.1	571.3	388.3	269.8	246.7	235.6	225.8	217.7	212.4	209.7
25°	1267.7	928.4	509.0	325.5	242.7	224.4	204.4	187.9	175.4	167.9	164.8
27.5°	1278.4	885.7	453.3	272.5	224.0	198.6	172.3	152.7	139.8	133.1	130.5
30°	1286.0	837.1	404.3	239.6	203.1	171.4	143.4	124.2	114.9	111.3	109.5
32.5°	1293.1	783.3	358.0	224.0	183.5	146.5	120.2	105.5	99.7	95.3	94.0
35°	1310.9	733.4	313.9	207.5	163.4	125.1	103.3	92.6	86.8	84.2	83.3
37.5°	1353.2	696.4	271.6	190.6	143.4	108.2	90.4	82.8	77.5	74.8	73.9
40°	1421.4	677.7	236.0	172.3	123.8	95.3	81.9	74.8	69.0	65.0	64.1
42.5°	1521.5	680.4	211.1	154.1	108.2	85.0	73.9	65.5	59.2	55.7	54.8
45°	1643.1	700.0	193.7	136.3	95.3	77.0	65.0	56.1	50.3	47.2	46.3
47.5°	1774.9	731.6	179.5	120.2	85.0	69.5	56.1	46.8	41.9	39.2	38.7
50°	1913.8	762.3	164.8	104.6	76.1	61.9	47.2	38.7	34.7	32.5	31.6
52.5°	2054.5	798.0	151.4	90.4	68.6	53.0	39.2	31.6	28.5	26.7	25.8
55°	2205.9	824.7	138.5	79.3	61.0	45.0	32.5	26.3	23.6	21.4	20.9
57.5°	2384.1	866.1	125.1	68.6	52.1	37.4	26.7	20.9	18.7	16.5	16.0
60°	2624.5	914.6	110.9	60.6	42.7	30.7	21.8	16.9	14.2	12.5	12.0
62.5°	2941.6	968.5	93.1	53.0	34.7	24.9	17.4	13.4	10.2	8.0	8.0
65°	3343.7	1056.2	76.1	44.5	28.5	20.5	13.4	9.8	5.8	3.6	3.6
67.5°	3578.3	1071.4	61.4	36.5	23.2	17.4	11.1	6.7	1.8	0.4	0.0
69°	3503.1	983.6	52.1	31.2	20.0	16.5	10.2	4.9	0.9	0.0	0.0
70°	3361.5	899.5	45.9	27.6	18.3	15.6	9.8	3.6	0.9	0.0	0.0
72.5°	2777.7	640.3	34.7	20.5	13.4	13.8	8.9	2.2	0.9	0.0	0.0
75°	2023.4	389.2	24.9	14.2	8.5	10.2	6.2	0.9	0.4	0.0	0.0
77.5°	1125.7	183.5	15.6	8.0	5.3	6.2	3.1	0.0	0.0	0.0	0.0
80°	365.6	49.9	7.1	4.5	3.1	3.6	1.3	0.0	0.0	0.0	0.0
82.5°	67.7	14.2	4.0	2.2	0.9	0.9	0.0	0.0	0.0	0.0	0.0
85°	14.7	5.8	2.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	1.8	0.4	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)