

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: P322886

Luminaire Tested: **GAN-SA2C-740-U-T4W-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322886  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2C-740-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10489 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

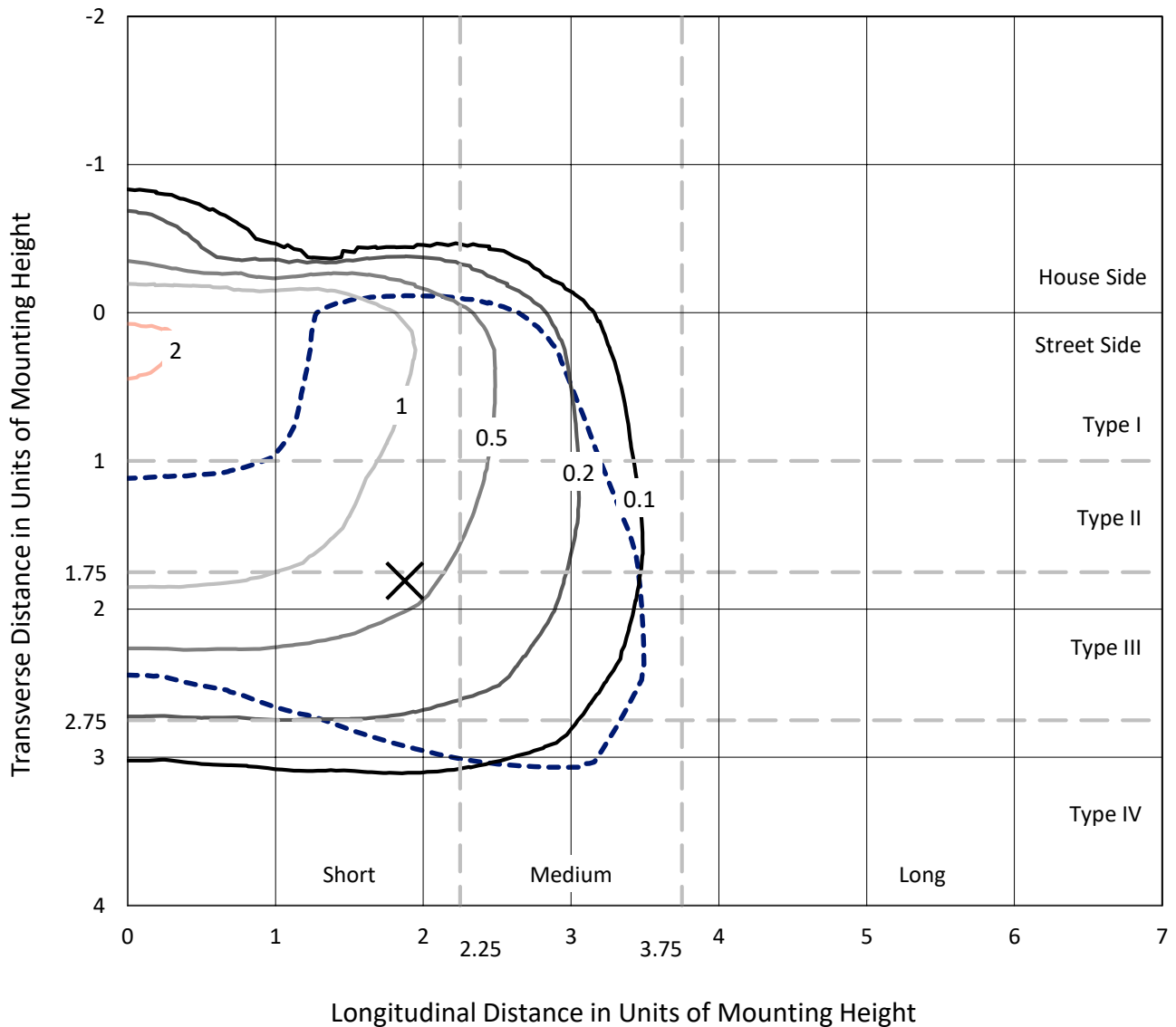
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

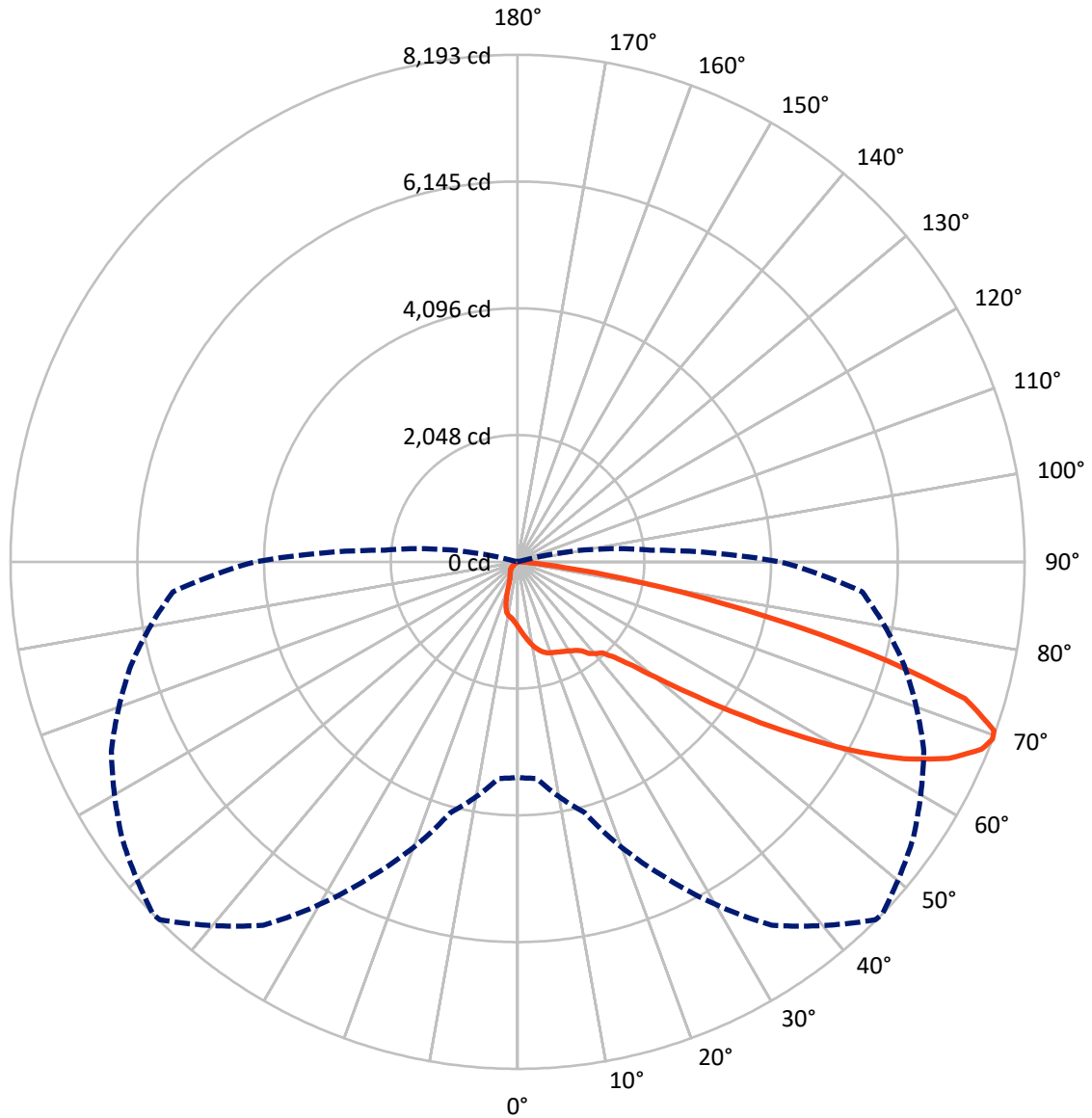
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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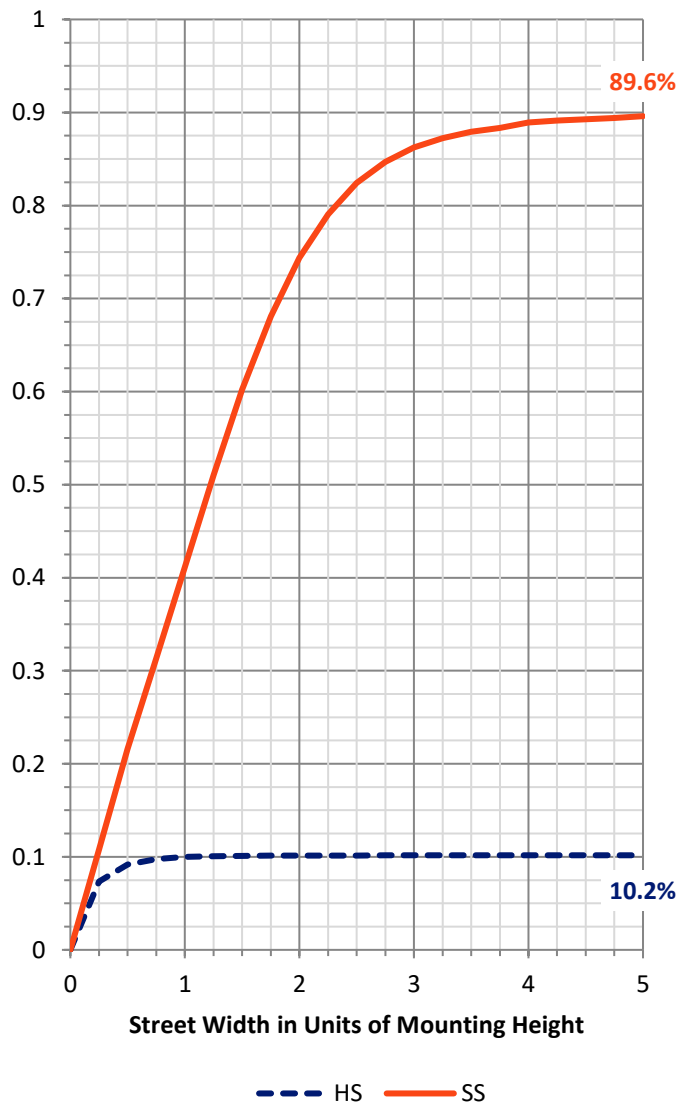
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1076.5	0.0	1076.5
	% Fixture	10.3	0.0	10.3
<b>Street Side</b>	Lumens	9412.5	0.0	9412.5
	% Fixture	89.7	0.0	89.7
<b>Total</b>	Lumens	10489.0	0.0	10489.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.6	1.0
10°-20°	317.4	3.0
20°-30°	499.1	4.8
30°-40°	715.7	6.8
40°-50°	1237.0	11.8
50°-60°	2443.8	23.3
60°-70°	3415.4	32.6
70°-80°	1650.0	15.7
80°-90°	106.1	1.0
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°	10489.0	100.0
0°-180°	10489.0	100.0

**Coefficient of Utilization**

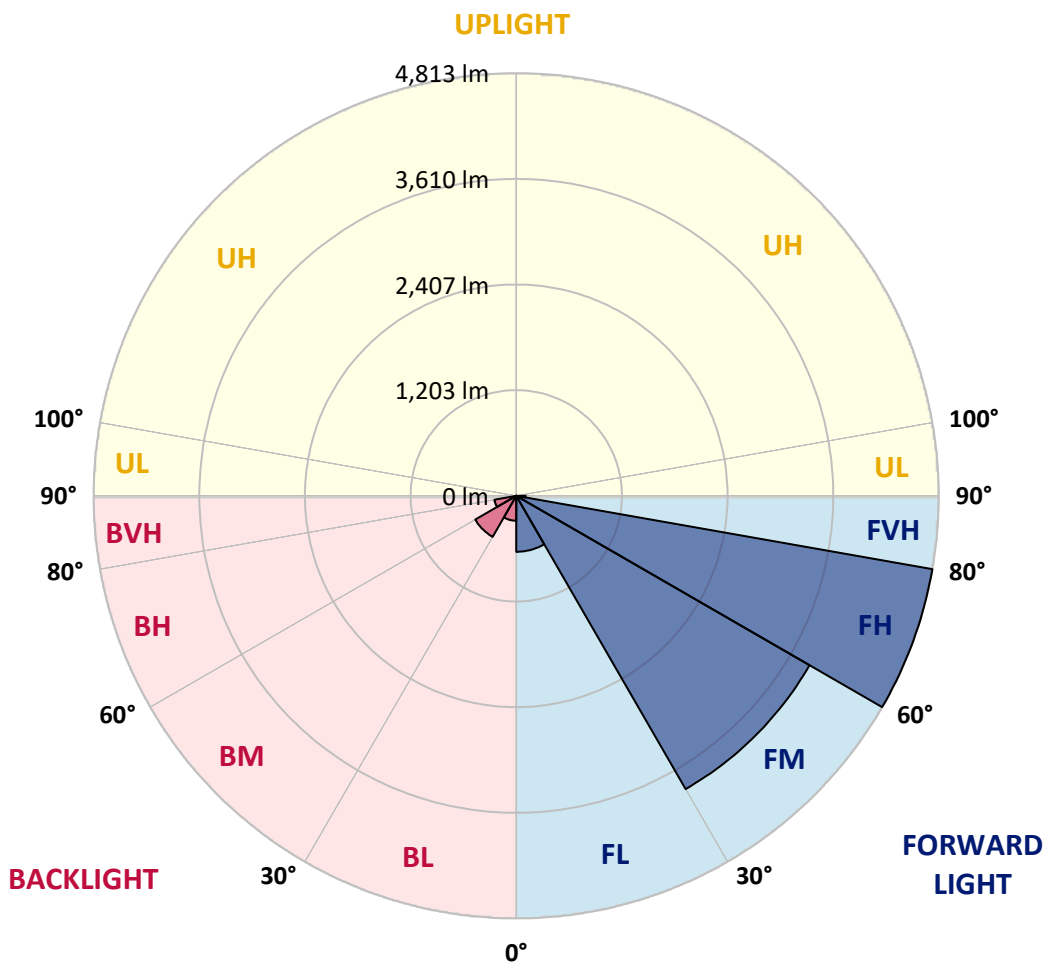


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	637.3	6.1			
FM (30°-60°)	3857.0	36.8			
FH (60°-80°)	4813.0	45.9			G2/5000
FVH (80°-90°)	105.2	1.0			G2/225
BL (0°-30°)	283.7	2.7	B1/500		
BM (30°-60°)	539.4	5.1	B1/1000		
BH (60°-80°)	252.4	2.4	B1/500		G1/500
BVH (80°-90°)	0.9	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0
2.5°	1167.5	1166.0	1159.2	1156.2	1139.5	1129.6	1125.7	1113.4	1095.7	1078.0	1058.3
5°	1300.3	1299.8	1287.0	1274.7	1243.2	1213.7	1208.3	1179.8	1140.0	1102.6	1065.2
7.5°	1436.0	1429.6	1416.9	1393.2	1347.5	1300.3	1295.9	1255.5	1199.0	1144.9	1091.3
10°	1551.1	1547.2	1530.5	1494.6	1440.9	1387.3	1381.9	1332.3	1268.3	1201.9	1133.6
12.5°	1640.6	1637.7	1615.5	1570.8	1513.7	1458.2	1450.8	1406.5	1338.2	1263.9	1183.3
15°	1695.2	1693.7	1666.7	1619.0	1562.9	1514.7	1508.3	1469.5	1406.0	1328.3	1237.3
17.5°	1708.0	1708.5	1680.5	1632.3	1586.0	1551.6	1546.7	1517.2	1464.1	1386.9	1291.4
20°	1679.5	1685.4	1660.3	1618.5	1590.0	1571.8	1567.8	1550.1	1505.4	1432.6	1334.7
22.5°	1639.1	1642.1	1624.9	1596.8	1585.0	1588.5	1586.5	1576.7	1538.8	1471.9	1377.5
25°	1614.6	1614.6	1604.2	1580.6	1588.5	1609.6	1610.1	1608.2	1578.2	1520.1	1429.6
27.5°	1613.6	1610.6	1598.8	1581.1	1602.7	1635.2	1637.2	1650.5	1631.8	1578.7	1494.6
30°	1652.9	1649.5	1624.4	1601.3	1628.8	1663.7	1668.6	1697.7	1688.3	1642.1	1566.8
32.5°	1744.9	1732.6	1677.0	1639.1	1659.8	1701.6	1708.0	1754.2	1769.0	1720.3	1636.7
35°	1870.8	1831.9	1751.8	1710.9	1712.9	1756.7	1762.6	1830.4	1874.2	1792.1	1690.8
37.5°	2044.4	2025.2	1894.9	1785.7	1794.5	1860.9	1878.2	1951.9	1939.6	1831.4	1752.3
40°	2425.0	2395.0	2256.3	1995.2	1872.7	1945.5	1950.9	1990.3	1991.3	1920.4	1880.1
42.5°	2943.4	2931.1	2785.0	2375.4	2026.7	2002.1	2011.9	2078.3	2152.6	2108.3	2106.3
45°	3517.3	3510.9	3356.0	2879.9	2338.0	2187.5	2199.8	2288.8	2430.9	2440.8	2503.2
47.5°	3979.1	3976.1	3887.1	3443.0	2814.5	2501.7	2505.7	2600.1	2849.9	2973.4	3073.2
50°	4400.1	4414.3	4344.0	4052.4	3463.7	2994.0	2984.7	3047.6	3448.9	3651.1	3775.0
52.5°	4985.3	5005.5	4808.2	4620.9	4144.8	3604.8	3597.5	3663.4	4168.9	4320.4	4342.5
55°	5502.2	5467.7	5311.8	5257.7	4975.5	4359.2	4357.3	4415.3	4865.3	4929.7	4970.5
57.5°	5730.4	5717.1	5792.3	5916.3	5845.4	5250.9	5246.4	5202.2	5488.4	5495.3	5620.7
60°	5874.5	5890.7	6121.3	6503.5	6680.0	6210.3	6181.8	5911.8	6083.5	6068.2	6202.5
62.5°	5766.3	5798.2	6213.3	6850.2	7304.6	7047.9	7007.5	6562.0	6592.0	6539.4	6664.3
65°	5191.8	5241.5	5921.7	6784.8	7614.4	7702.4	7661.6	7135.9	6995.7	6909.2	6839.8
67.5°	4215.6	4245.1	4955.3	6215.8	7474.7	8092.9	8084.6	7639.0	7300.6	6846.7	6308.7
69°	3483.9	3512.9	4196.5	5616.8	7167.4	8176.5	8192.8	7800.3	7242.6	6467.1	5589.7
70°	2950.7	2981.7	3618.6	5103.3	6810.8	8137.7	8166.7	7785.1	7076.4	6027.4	4958.7
72.5°	1547.7	1574.2	2227.8	3515.8	5552.3	7472.3	7560.3	7127.0	5998.4	4377.4	2932.1
75°	486.4	501.6	870.0	1837.8	3801.5	5810.0	5830.2	5590.7	4259.4	2407.8	1221.1
77.5°	185.4	181.0	289.7	677.2	1921.9	3658.4	3781.9	3493.7	2235.2	851.3	281.8
80°	99.8	100.3	150.5	280.3	822.3	1880.1	1984.4	1693.2	794.2	265.6	64.9
82.5°	43.3	45.2	84.6	148.5	377.7	693.4	745.6	620.6	303.4	178.5	24.1
85°	9.3	10.3	40.8	80.7	153.9	194.7	204.1	201.1	193.3	138.7	9.3
87.5°	0.0	0.0	18.2	29.0	38.9	44.3	38.9	50.7	106.7	93.4	4.9
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°	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0
2.5°	1051.9	1043.1	1027.8	1011.1	999.3	987.0	977.2	972.8	967.8	964.4	968.8
5°	1050.0	1032.8	1003.3	974.7	954.1	937.4	923.6	918.2	912.8	908.8	908.3
7.5°	1067.2	1043.1	997.8	956.0	924.1	901.5	882.8	874.9	868.5	865.6	863.1
10°	1100.1	1069.2	1008.7	954.1	912.8	874.4	834.1	803.1	782.9	773.6	770.1
12.5°	1142.9	1104.1	1029.3	964.4	904.4	830.6	745.1	671.3	623.6	607.9	598.5
15°	1193.1	1144.9	1056.4	977.7	873.9	739.2	594.1	497.7	453.4	444.6	434.7
17.5°	1241.3	1188.2	1088.8	980.1	807.0	590.6	435.2	369.8	352.6	358.5	360.0
20°	1283.6	1231.0	1120.8	958.5	685.6	443.1	336.9	320.6	327.0	338.4	340.3
22.5°	1326.4	1272.3	1150.3	901.5	530.2	336.4	303.4	307.4	313.8	325.1	327.0
25°	1378.5	1322.4	1177.8	796.7	397.9	286.2	288.2	294.1	300.5	310.8	311.8
27.5°	1438.5	1385.9	1196.0	660.5	295.1	263.1	269.5	278.4	284.7	294.6	296.6
30°	1518.2	1469.5	1201.9	519.3	247.4	242.5	245.4	256.2	265.6	274.4	275.9
32.5°	1592.9	1552.1	1182.3	392.0	229.2	223.3	223.3	229.7	240.5	248.8	250.8
35°	1661.8	1635.2	1119.3	286.7	215.4	205.6	200.7	200.7	207.5	214.4	216.4
37.5°	1752.7	1751.8	1017.5	228.7	202.1	190.8	180.5	172.6	170.2	171.6	172.6
40°	1908.6	1910.1	884.7	205.1	190.8	175.6	159.8	145.6	132.3	127.9	127.4
42.5°	2152.1	2129.9	745.6	193.8	181.0	159.8	136.2	117.0	96.4	90.0	89.5
45°	2538.6	2407.3	598.0	183.4	170.7	142.1	112.6	86.6	69.8	64.9	64.9
47.5°	3101.7	2771.7	463.3	172.1	156.9	122.0	85.1	62.5	51.1	48.7	49.2
50°	3684.0	3128.8	355.1	157.9	140.2	100.8	62.9	45.2	38.9	38.9	39.3
52.5°	4200.4	3390.4	276.9	142.6	119.5	79.2	47.7	35.4	32.5	32.0	32.5
55°	4683.8	3559.1	212.0	124.9	94.9	59.0	36.4	29.0	27.0	26.1	25.6
57.5°	5150.0	3642.7	158.8	100.8	68.9	42.8	29.0	24.6	22.6	21.1	20.7
60°	5460.4	3574.8	109.2	74.3	47.7	31.0	24.1	21.1	18.7	17.2	16.7
62.5°	5635.4	3389.4	70.3	53.6	33.9	23.1	19.2	17.7	14.3	12.8	12.8
65°	5564.6	3083.5	49.2	38.4	24.6	17.2	14.3	14.3	10.3	8.4	7.9
67.5°	4931.2	2605.0	37.4	28.5	17.7	12.8	10.8	12.3	6.4	3.9	3.9
69°	4242.7	2159.0	32.0	23.6	14.8	10.3	9.3	11.3	4.4	3.0	2.5
70°	3687.5	1862.4	29.0	20.7	12.3	8.9	8.4	10.8	4.4	2.5	2.0
72.5°	2206.2	1038.7	22.1	14.8	7.9	6.9	6.9	12.3	4.4	2.5	2.0
75°	891.6	365.9	16.2	10.3	5.9	5.9	8.4	15.7	3.9	2.0	1.5
77.5°	202.1	80.2	9.3	6.4	3.9	5.9	9.8	12.3	2.5	1.0	0.0
80°	49.2	19.7	5.9	3.9	2.5	4.4	7.4	6.9	0.5	0.0	0.0
82.5°	16.2	6.9	2.5	2.0	0.5	1.5	3.4	2.0	0.0	0.0	0.0
85°	6.9	3.9	1.0	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0
87.5°	4.4	1.5	0.0	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)