

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P633607

Luminaire Tested: GWS-SA2F-722-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633607  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2F-722-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

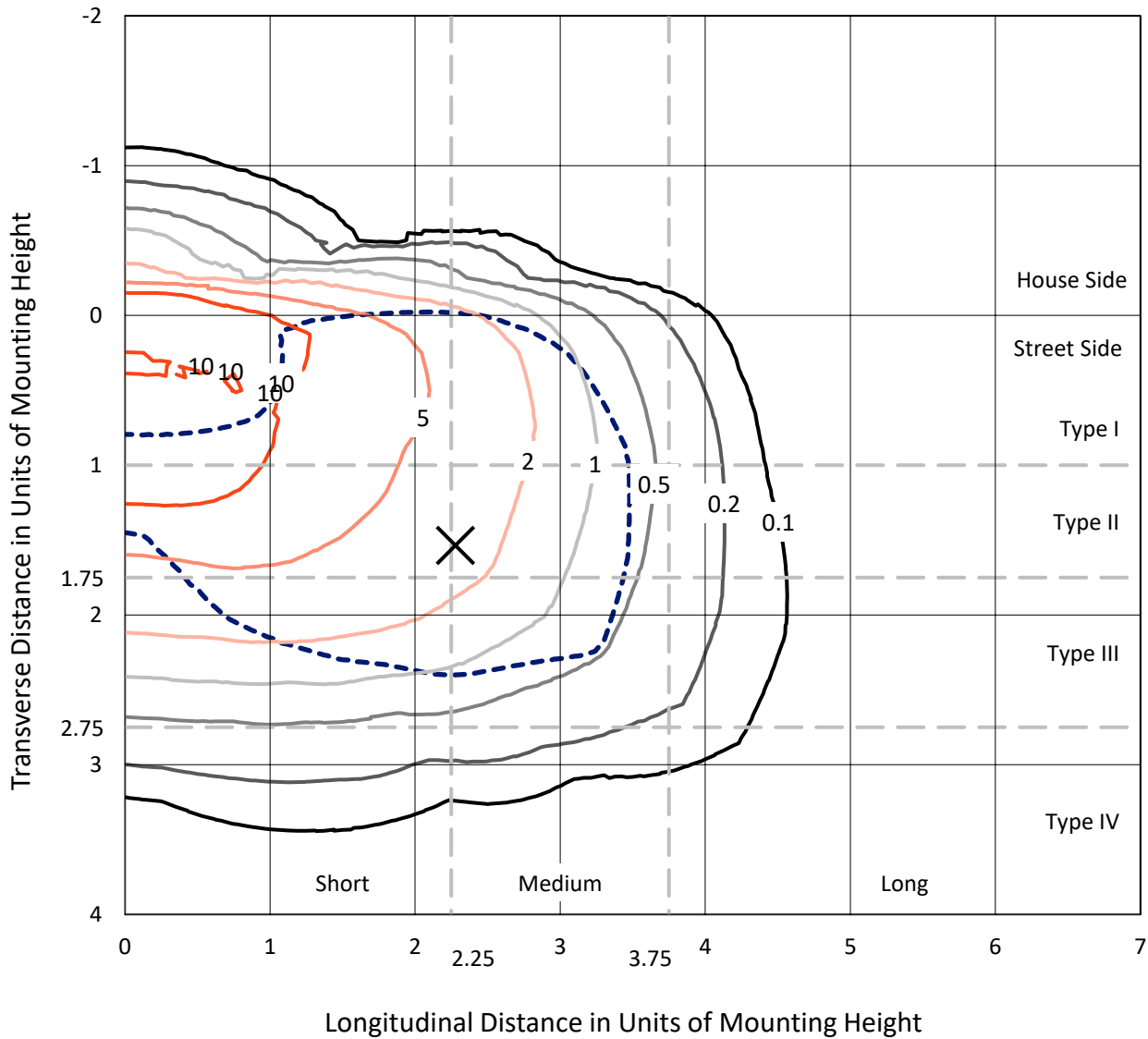
Lumens per Lamp: N/A  
Luminaire Lumens: 9354.3 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P633607  
 CATALOG NUMBER: GWS-SA2F-722-U-T3R-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

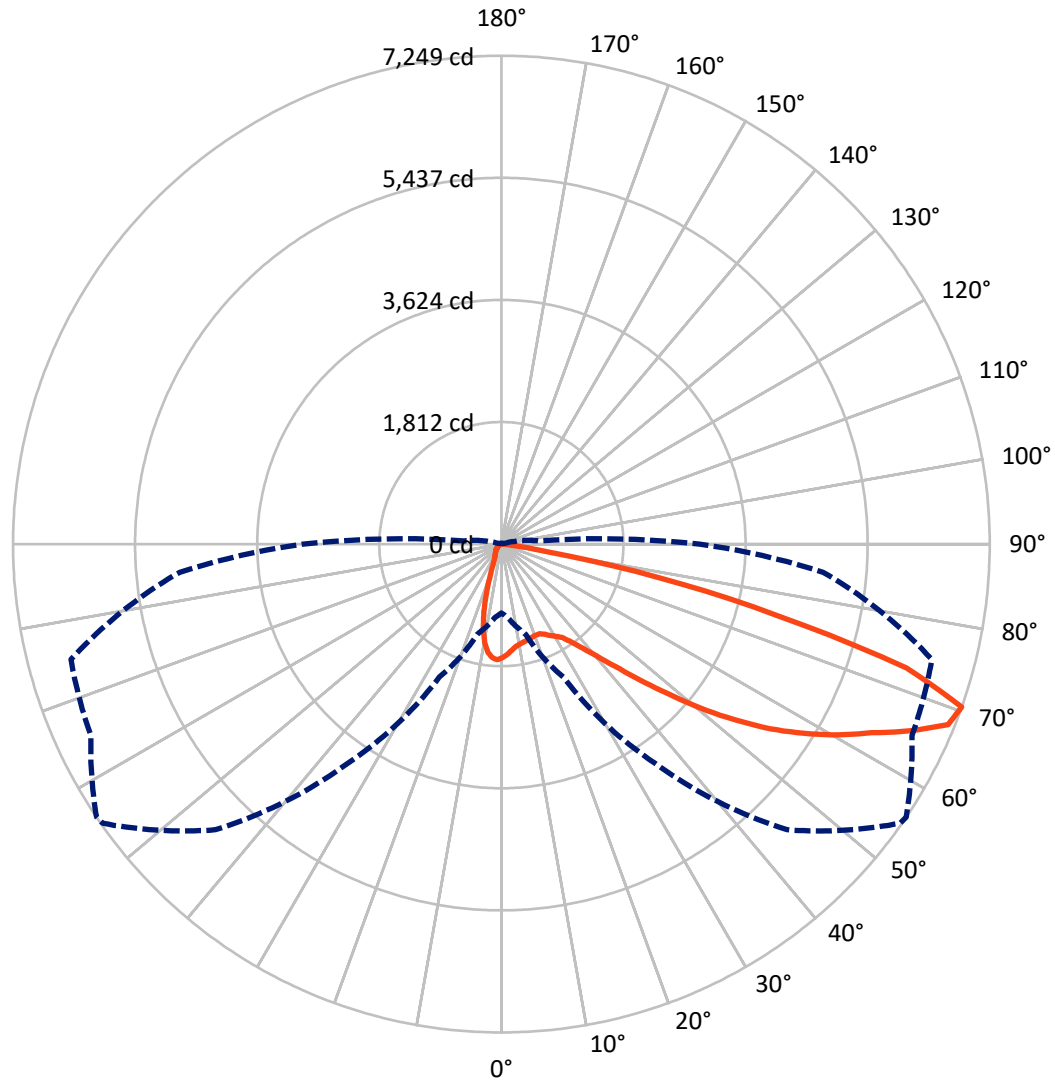
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.8 fc  
 Type III - Medium - N/A

REPORT NUMBER: P633607  
CATALOG NUMBER: GWS-SA2F-722-U-T3R-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P633607  
 CATALOG NUMBER: GWS-SA2F-722-U-T3R-W-HSS

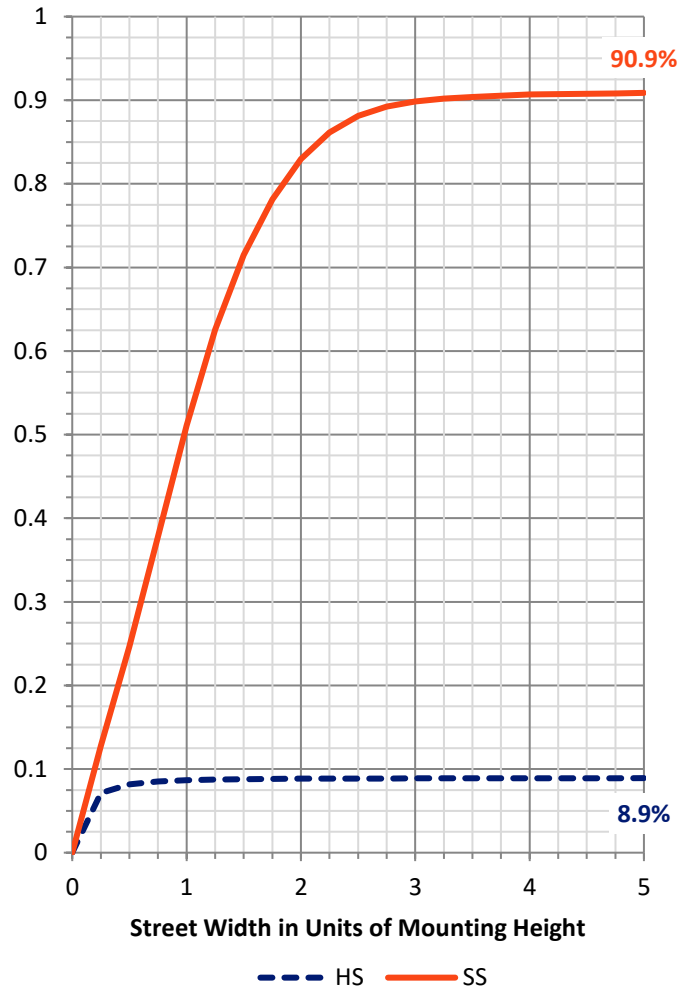
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	840.2	0.0	840.2
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	8514.1	0.0	8514.1
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	9354.3	0.0	9354.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.8	1.5
10°-20°	325.7	3.5
20°-30°	515.9	5.5
30°-40°	889.7	9.5
40°-50°	1502.4	16.1
50°-60°	2207.5	23.6
60°-70°	2617.1	28.0
70°-80°	1116.0	11.9
80°-90°	35.0	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°	9354.3	100.0
0°-180°	9354.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633607

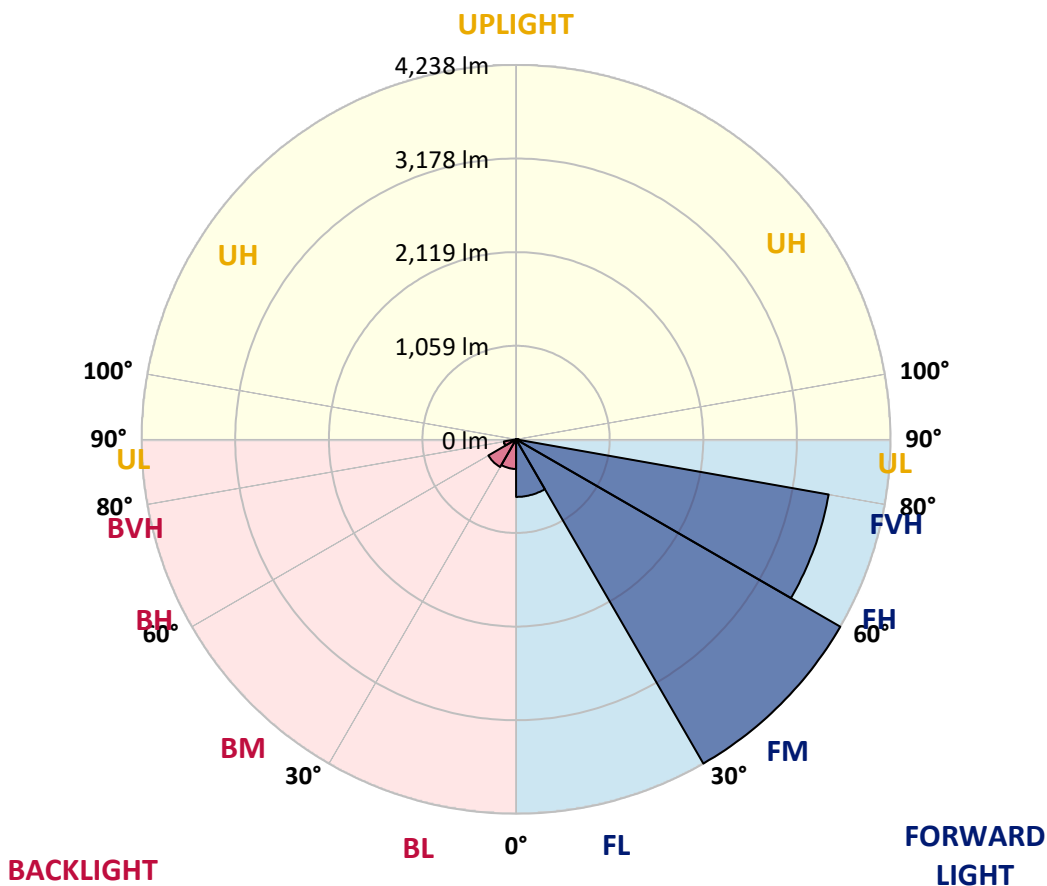
CATALOG NUMBER: GWS-SA2F-722-U-T3R-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	651.8	7.0			
FM (30°-60°)	4237.7	45.3			
FH (60°-80°)	3593.0	38.4			G2/5000
FVH (80°-90°)	31.5	0.3			G1/100
BL (0°-30°)	334.6	3.6	B1/500		
BM (30°-60°)	361.9	3.9	B1/1000		
BH (60°-80°)	140.1	1.5	B1/500		G1/500
BVH (80°-90°)	3.6	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 Medium





REPORT NUMBER: P633607

CATALOG NUMBER: GWS-SA2F-722-U-T3R-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7
2.5°	1570.2	1567.6	1569.3	1582.2	1606.2	1617.3	1636.1	1639.6	1655.0	1674.7	1682.4
5°	1468.2	1459.7	1464.0	1481.9	1509.4	1540.2	1575.3	1584.7	1623.3	1667.0	1699.5
7.5°	1374.9	1365.4	1375.7	1404.0	1442.5	1475.9	1528.2	1534.2	1595.9	1673.0	1732.1
10°	1228.4	1231.0	1251.5	1301.2	1360.3	1429.7	1499.9	1508.5	1584.7	1692.7	1784.3
12.5°	1116.2	1110.2	1132.4	1189.0	1272.1	1373.2	1478.5	1489.7	1585.6	1722.7	1851.1
15°	1063.9	1062.2	1071.6	1112.7	1193.3	1312.3	1458.8	1473.4	1596.7	1750.1	1914.5
17.5°	1065.6	1063.1	1062.2	1086.2	1146.2	1266.9	1437.4	1456.2	1606.2	1780.0	1981.3
20°	1140.2	1128.2	1106.7	1095.6	1131.6	1237.8	1422.8	1444.3	1619.9	1811.7	2052.4
22.5°	1296.1	1300.3	1242.9	1183.0	1165.9	1241.2	1421.1	1446.0	1649.8	1861.4	2139.8
25°	1607.9	1601.0	1494.8	1360.3	1266.9	1280.6	1451.1	1481.1	1708.9	1932.5	2222.1
27.5°	1998.5	2004.5	1858.9	1644.7	1449.4	1362.0	1505.9	1535.9	1777.5	1977.1	2276.9
30°	2424.2	2418.2	2262.3	2025.0	1708.1	1497.4	1560.8	1587.3	1811.7	2001.1	2333.4
32.5°	2826.8	2813.1	2658.9	2410.5	2037.9	1710.7	1636.1	1651.6	1857.1	2053.3	2409.7
35°	3170.3	3169.5	3035.0	2770.3	2377.1	1977.9	1765.5	1778.3	1941.9	2136.4	2521.9
37.5°	3525.0	3513.0	3362.2	3120.6	2725.7	2270.9	1963.4	1958.2	2075.6	2258.9	2659.8
40°	3816.2	3808.5	3692.9	3460.7	3088.1	2594.7	2203.2	2187.8	2234.1	2428.5	2851.7
42.5°	4032.1	4032.9	3997.0	3855.6	3471.9	2969.0	2504.7	2480.8	2479.9	2684.6	3105.2
45°	4195.7	4206.8	4260.8	4239.4	3925.0	3405.0	2891.1	2866.2	2824.3	3017.0	3395.6
47.5°	4271.9	4286.5	4449.3	4534.9	4321.6	3837.6	3351.1	3298.8	3216.6	3459.0	3720.3
50°	4264.2	4289.9	4516.9	4777.3	4681.4	4276.2	3852.2	3827.4	3692.9	3926.7	4041.5
52.5°	4089.5	4144.3	4521.2	4924.7	4958.1	4680.5	4370.4	4324.2	4259.1	4415.0	4343.0
55°	3614.9	3681.7	4340.5	4971.8	5174.0	5033.5	4877.6	4839.9	4731.9	4875.9	4606.0
57.5°	3357.1	3414.5	3960.1	4948.7	5357.3	5359.8	5329.0	5298.2	5209.1	5331.6	4914.4
60°	3202.0	3259.4	3757.1	4863.9	5523.5	5704.2	5753.0	5749.6	5621.1	5849.8	5275.9
62.5°	2975.0	3053.8	3545.5	4643.7	5641.7	6043.4	6190.8	6167.6	6024.6	6389.5	5634.0
65°	2516.7	2585.3	3112.1	4280.5	5572.3	6324.4	6665.3	6677.3	6512.0	6897.5	5916.6
67.5°	1764.6	1815.2	2338.6	3518.1	5101.1	6416.9	7151.0	7150.2	6868.3	7157.9	5791.6
70°	1022.8	1092.2	1381.7	2174.9	3968.7	5996.3	7223.8	7248.7	6723.6	6613.9	4792.8
72.5°	395.8	453.1	782.9	1155.6	2069.6	4593.2	6213.9	6286.7	5627.1	5102.0	3335.7
75°	118.2	131.9	368.3	615.0	830.9	2218.6	4206.8	4227.4	3859.9	3182.3	1709.8
77.5°	88.2	97.7	161.0	311.0	291.2	672.4	2176.7	2377.1	2049.0	1136.7	471.1
80°	60.0	71.1	114.8	151.6	107.9	179.0	611.6	671.6	625.3	255.3	118.2
82.5°	26.6	34.3	81.4	76.2	39.4	51.4	188.5	200.4	129.3	77.1	41.1
85°	2.6	3.4	30.8	33.4	14.6	12.0	39.4	39.4	28.3	26.6	17.1
87.5°	0.0	0.0	0.9	1.7	1.7	2.6	3.4	4.3	5.1	6.9	8.6
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: P633607

CATALOG NUMBER: GWS-SA2F-722-U-T3R-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7
2.5°	1702.1	1691.8	1704.7	1714.9	1717.5	1698.7	1687.5	1671.3	1667.8	1668.7	1664.4
5°	1725.2	1720.1	1729.5	1718.4	1689.2	1634.4	1587.3	1535.1	1506.8	1490.5	1488.8
7.5°	1768.1	1765.5	1755.2	1704.7	1613.9	1492.2	1374.9	1260.1	1189.0	1163.3	1159.0
10°	1831.4	1826.3	1784.3	1664.4	1470.8	1237.0	1039.9	875.5	775.2	746.1	710.1
12.5°	1904.3	1894.0	1802.3	1577.9	1254.9	931.1	685.3	501.1	414.6	388.9	388.9
15°	1974.5	1952.2	1792.0	1434.8	989.4	605.6	382.9	289.5	263.0	256.1	256.1
17.5°	2046.5	2003.6	1751.8	1239.5	683.6	358.1	255.3	237.3	233.9	234.7	235.6
20°	2114.1	2047.3	1680.7	1004.8	436.0	250.1	228.7	224.4	222.7	224.4	223.6
22.5°	2187.8	2087.6	1572.7	748.7	283.5	225.3	217.6	214.2	212.4	215.0	215.0
25°	2260.6	2116.7	1429.7	503.7	225.3	209.9	205.6	202.2	200.4	201.3	201.3
27.5°	2298.3	2105.6	1242.1	321.2	202.2	194.5	190.2	185.9	183.3	182.5	183.3
30°	2324.0	2071.3	1012.5	228.7	183.3	173.9	169.6	166.2	159.3	155.0	156.8
32.5°	2364.3	2037.0	763.2	191.9	167.9	153.3	146.5	137.9	128.5	124.2	124.2
35°	2412.2	1989.9	535.4	173.0	151.6	136.2	123.4	108.8	97.7	94.2	94.2
37.5°	2475.6	1945.4	356.4	160.2	137.9	121.6	103.7	86.5	74.5	72.8	72.0
40°	2570.7	1907.7	251.0	150.8	125.9	106.2	84.8	66.8	58.2	55.7	55.7
42.5°	2694.1	1869.1	198.7	141.3	115.6	91.7	67.7	53.1	46.3	44.5	43.7
45°	2846.5	1823.7	173.0	132.8	105.4	76.2	54.0	44.5	39.4	37.7	37.7
47.5°	3011.9	1762.1	161.0	121.6	93.4	61.7	45.4	38.5	36.0	35.1	34.3
50°	3174.6	1679.0	150.8	111.4	79.7	50.5	39.4	35.1	33.4	32.6	32.6
52.5°	3316.8	1582.2	137.9	99.4	65.1	43.7	35.1	32.6	30.8	29.1	28.3
55°	3438.5	1476.8	121.6	85.7	53.1	38.5	32.6	30.0	28.3	26.6	25.7
57.5°	3595.2	1416.8	97.7	69.4	43.7	34.3	30.0	27.4	25.7	23.1	23.1
60°	3769.1	1373.2	72.8	54.8	37.7	31.7	27.4	24.8	23.1	20.6	20.6
62.5°	3908.7	1308.1	57.4	44.5	32.6	28.3	24.8	22.3	20.6	18.0	18.0
65°	3961.8	1173.6	47.1	35.1	26.6	24.8	22.3	20.6	18.0	15.4	15.4
67.5°	3722.0	904.6	39.4	28.3	22.3	21.4	19.7	18.8	15.4	13.7	12.8
70°	2947.6	551.7	32.6	23.1	18.8	18.0	18.0	16.3	13.7	12.8	12.0
72.5°	2019.9	284.4	26.6	18.8	16.3	16.3	15.4	14.6	12.8	12.0	12.0
75°	1049.4	95.1	20.6	14.6	12.8	13.7	13.7	12.8	12.0	12.0	11.1
77.5°	300.7	42.8	15.4	11.1	10.3	10.3	11.1	11.1	11.1	10.3	10.3
80°	78.0	24.8	11.1	8.6	8.6	8.6	8.6	9.4	10.3	9.4	9.4
82.5°	31.7	13.7	7.7	6.9	6.9	6.9	6.9	7.7	8.6	8.6	8.6
85°	19.7	6.9	6.0	6.0	6.0	5.1	5.1	6.0	6.0	6.9	6.9
87.5°	12.0	5.1	5.1	5.1	5.1	4.3	4.3	4.3	4.3	4.3	4.3
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)