

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: P642018

Luminaire Tested: GWS-SA6C-722-U-T3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642018  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-722-U-T3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

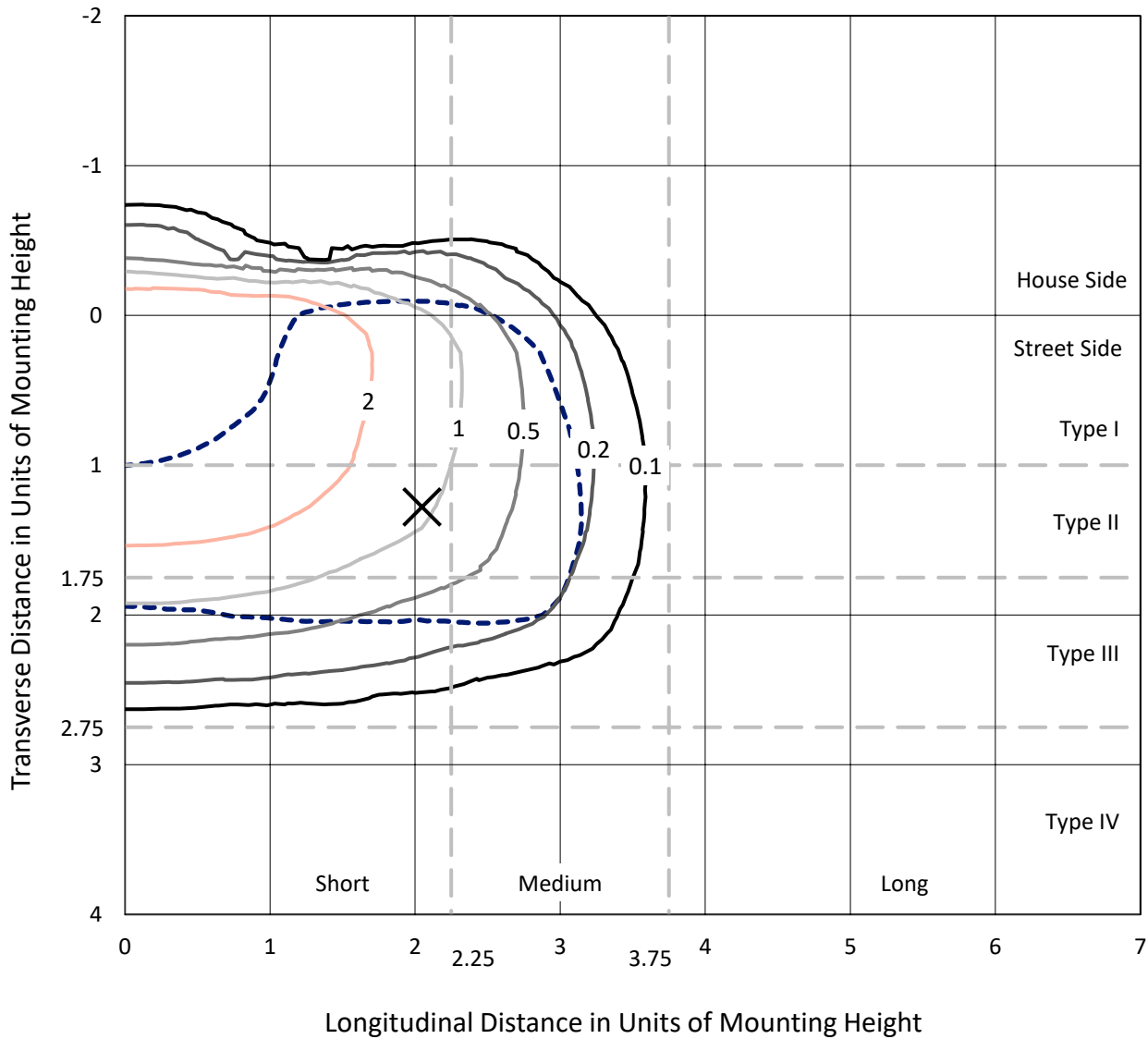
Lumens per Lamp: N/A  
Luminaire Lumens: 15355 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

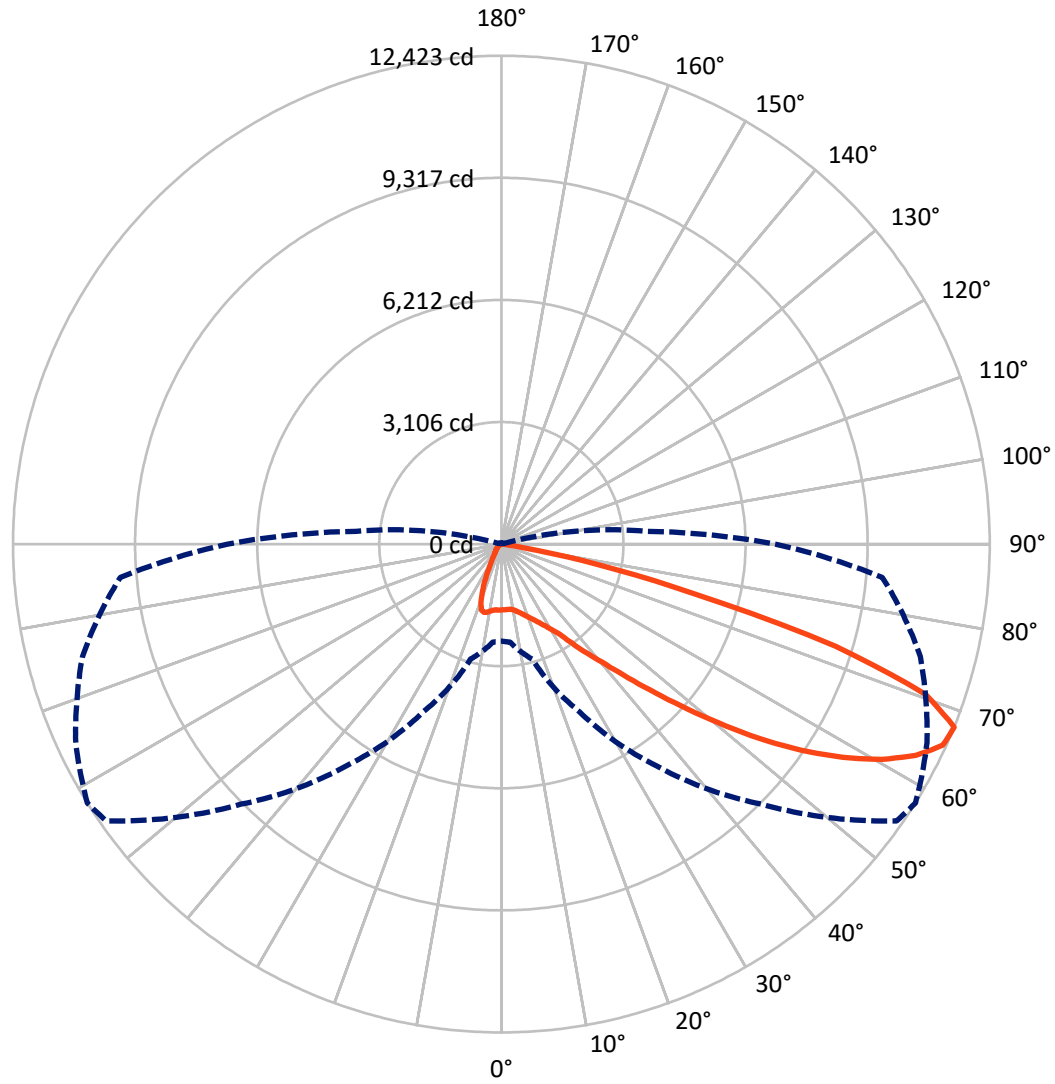
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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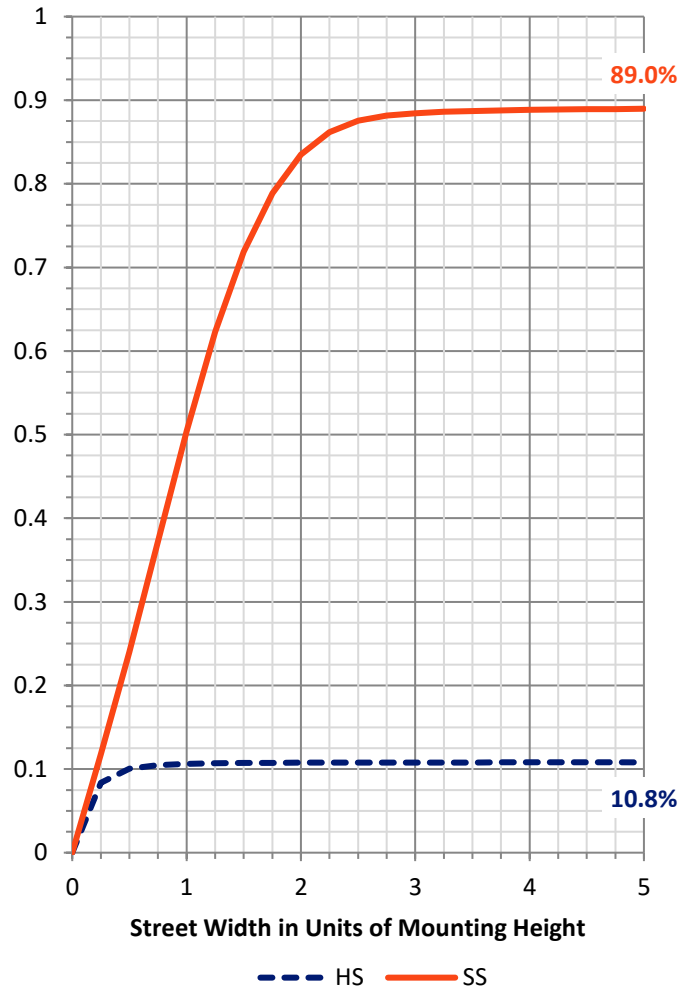
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1675.2	0.0	1675.2
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	13679.8	0.0	13679.8
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	15355.0	0.0	15355.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.2	1.0
10°-20°	441.3	2.9
20°-30°	770.3	5.0
30°-40°	1375.7	9.0
40°-50°	2514.5	16.4
50°-60°	4182.0	27.2
60°-70°	4542.3	29.6
70°-80°	1333.7	8.7
80°-90°	38.0	0.2
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°	15355.0	100.0
0°-180°	15355.0	100.0

**Coefficient of Utilization**



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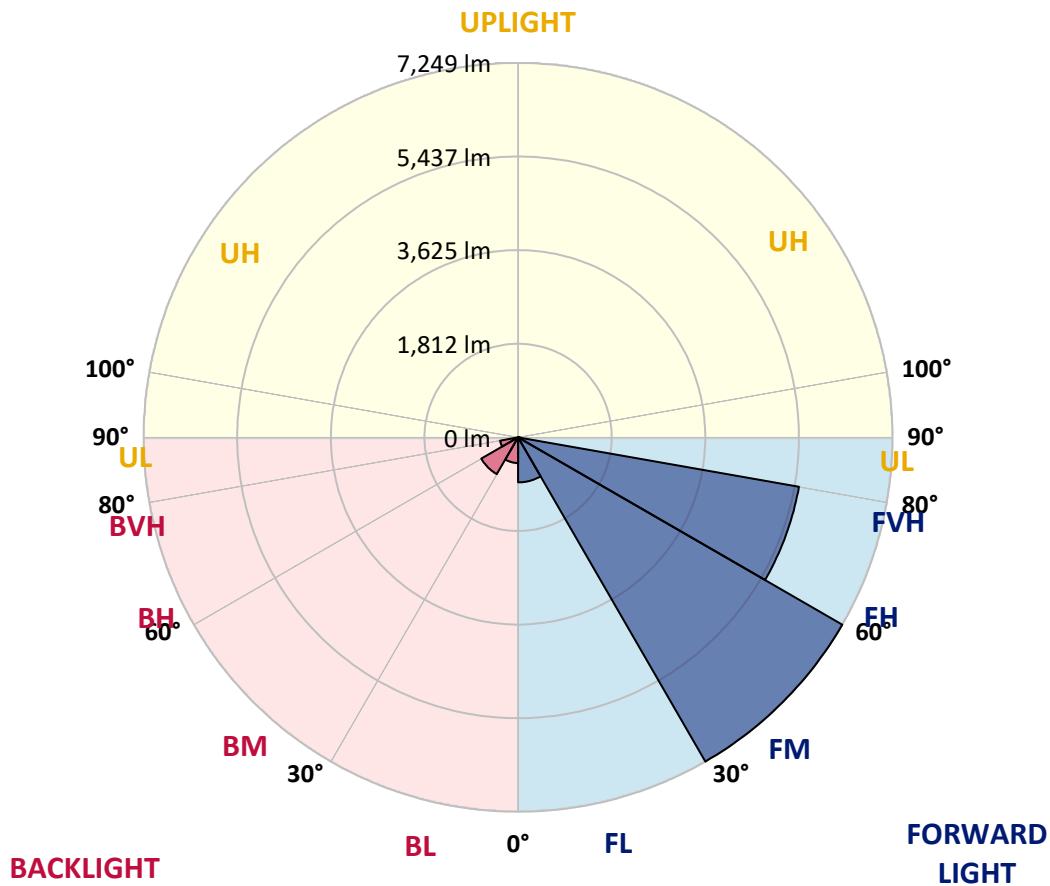
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	871.9	5.7			
FM (30°-60°)	7249.4	47.2			
FH (60°-80°)	5522.4	36.0			G3/7500
FVH (80°-90°)	36.1	0.2			G1/100
BL (0°-30°)	496.9	3.2	B1/500		
BM (30°-60°)	822.8	5.4	B1/1000		
BH (60°-80°)	353.6	2.3	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-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1673.2	1673.2	1673.2	1673.2	1673.2	1673.2	1673.2	1673.2	1673.2	1673.2	1673.2
2.5°	1641.8	1638.8	1638.8	1650.7	1652.2	1658.2	1671.7	1673.2	1680.7	1677.7	1667.2
5°	1556.3	1557.8	1566.8	1587.8	1605.8	1628.3	1661.2	1668.7	1685.2	1694.2	1688.2
7.5°	1476.8	1478.3	1491.8	1524.8	1559.3	1604.3	1658.2	1673.2	1706.2	1730.2	1731.7
10°	1446.8	1445.3	1458.8	1496.3	1541.3	1604.3	1682.2	1701.7	1751.2	1793.2	1800.7
12.5°	1455.8	1454.3	1467.8	1502.3	1551.8	1631.3	1724.2	1751.2	1814.2	1878.6	1892.1
15°	1491.8	1490.3	1499.3	1527.8	1581.8	1664.2	1778.2	1818.7	1898.1	1976.1	1997.1
17.5°	1599.8	1592.3	1583.3	1586.3	1617.8	1703.2	1847.2	1896.6	1995.6	2088.5	2106.5
20°	1791.7	1772.2	1748.2	1716.7	1701.7	1760.2	1926.6	1983.6	2103.5	2210.0	2213.0
22.5°	2081.1	2073.6	2018.1	1926.6	1862.2	1863.6	2019.6	2085.5	2232.5	2349.4	2332.9
25°	2484.4	2479.9	2394.4	2244.5	2076.6	2019.6	2138.0	2205.5	2385.4	2509.9	2457.4
27.5°	2985.1	2953.7	2853.2	2650.8	2400.4	2222.0	2288.0	2347.9	2547.3	2664.3	2565.3
30°	3421.4	3422.9	3328.5	3117.1	2835.2	2526.3	2470.9	2523.3	2695.8	2818.7	2698.8
32.5°	3841.2	3854.7	3751.3	3560.9	3252.0	2923.7	2733.3	2742.2	2886.2	3019.6	2874.2
35°	4231.1	4241.6	4169.6	4007.7	3719.8	3339.0	3099.1	3094.6	3172.6	3309.0	3118.6
37.5°	4667.4	4677.9	4607.4	4462.0	4192.1	3814.3	3514.4	3508.4	3539.9	3650.8	3433.4
40°	5132.2	5151.6	5073.7	4950.7	4692.9	4373.5	3997.2	3943.2	3911.7	4042.2	3841.2
42.5°	5602.9	5632.9	5605.9	5483.0	5262.6	4998.7	4623.9	4539.9	4472.5	4635.9	4423.0
45°	6187.7	6223.7	6211.7	6117.2	5946.3	5731.9	5378.0	5280.6	5249.1	5400.5	5147.2
47.5°	6749.9	6788.9	6832.4	6811.4	6689.9	6591.0	6198.2	6142.7	6133.7	6295.6	5902.8
50°	7168.2	7204.2	7370.6	7490.6	7573.0	7552.1	7211.7	7129.2	7115.8	7219.2	6700.4
52.5°	7468.1	7502.6	7732.0	8106.8	8409.7	8574.6	8231.2	8213.3	8139.8	8103.8	7447.1
55°	7700.5	7748.5	7989.9	8556.6	9166.8	9532.6	9318.2	9253.8	9064.9	8858.0	8139.8
57.5°	7747.0	7766.5	8106.8	8871.5	9754.5	10346.8	10346.8	10234.3	9870.0	9583.6	8940.4
60°	7330.2	7390.1	7850.4	8846.0	10006.4	10879.0	11199.9	11121.9	10630.1	10277.8	9711.1
62.5°	6405.1	6472.5	7033.3	8235.7	9754.5	10988.5	11846.1	11834.1	11279.4	10852.0	10349.8
65°	4911.8	4961.2	5450.0	6889.4	8690.0	10567.2	12307.9	12340.9	11792.1	11231.4	10570.2
67.5°	2467.9	2502.4	3030.1	4706.4	6887.9	9354.2	12276.4	12423.3	11948.0	11030.5	9729.1
70°	862.1	896.6	1145.5	2019.6	4192.1	7142.7	11214.9	11454.8	11032.0	9415.7	7177.2
72.5°	295.4	311.9	475.3	749.7	1631.3	4234.1	8528.1	8889.4	8132.3	6321.1	4124.6
75°	167.9	178.4	254.9	406.3	683.7	1392.9	4838.3	5060.2	4740.8	3445.4	1697.2
77.5°	113.9	122.9	158.9	230.9	377.8	448.3	1973.1	2484.4	2166.5	1124.5	433.3
80°	67.5	73.5	97.5	136.4	193.4	173.9	422.8	562.2	724.2	335.8	130.4
82.5°	31.5	36.0	63.0	90.0	97.5	73.5	124.4	151.4	203.9	164.9	54.0
85°	0.0	0.0	21.0	37.5	36.0	21.0	34.5	37.5	55.5	82.5	21.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5	9.0	16.5	9.0
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°	1673.2	1673.2	1673.2	1673.2	1673.2	1673.2	1673.2	1673.2	1673.2	1673.2	1673.2
2.5°	1679.2	1668.7	1680.7	1674.7	1680.7	1679.2	1667.2	1659.7	1659.7	1646.2	1641.8
5°	1700.2	1689.7	1692.7	1679.2	1676.2	1668.7	1653.7	1647.7	1647.7	1634.3	1629.8
7.5°	1746.7	1730.2	1727.2	1700.2	1688.2	1667.2	1640.3	1629.8	1628.3	1614.8	1610.3
10°	1820.2	1800.7	1787.2	1752.7	1718.2	1676.2	1619.3	1571.3	1544.3	1508.3	1505.3
12.5°	1910.1	1886.1	1865.1	1812.7	1755.7	1661.2	1493.3	1317.9	1209.9	1124.5	1130.5
15°	2010.6	1988.1	1955.1	1875.6	1758.7	1512.8	1162.0	892.1	760.2	689.7	686.7
17.5°	2120.0	2087.0	2033.1	1925.1	1664.2	1156.0	755.7	533.8	464.8	440.8	434.8
20°	2222.0	2181.5	2114.0	1935.6	1391.4	782.6	472.3	413.8	401.8	394.3	394.3
22.5°	2329.9	2279.0	2178.5	1854.7	1034.5	500.8	401.8	388.3	379.3	368.8	367.3
25°	2439.4	2373.4	2237.0	1643.2	677.7	394.3	376.3	361.3	344.8	328.4	323.9
27.5°	2532.3	2446.9	2282.0	1328.4	434.8	355.3	343.3	317.9	295.4	277.4	274.4
30°	2643.3	2533.8	2301.4	971.6	341.8	313.4	295.4	268.4	241.4	223.4	217.4
32.5°	2791.7	2671.8	2271.5	632.7	302.9	275.9	247.4	215.9	188.9	169.4	166.4
35°	3022.6	2880.2	2133.5	403.3	274.4	238.4	203.9	170.9	148.4	133.4	130.4
37.5°	3304.5	3172.6	1907.1	302.9	245.9	206.9	166.4	134.9	118.4	108.0	105.0
40°	3722.8	3538.4	1626.8	265.4	217.4	175.4	136.4	110.9	99.0	90.0	87.0
42.5°	4265.6	3970.2	1304.4	241.4	190.4	146.9	110.9	91.5	81.0	75.0	73.5
45°	4899.8	4391.5	964.1	217.4	164.9	121.4	91.5	75.0	67.5	63.0	61.5
47.5°	5549.0	4760.3	665.7	191.9	140.9	100.5	76.5	64.5	58.5	52.5	51.0
50°	6241.7	5072.2	454.3	166.4	119.9	82.5	66.0	58.5	51.0	46.5	45.0
52.5°	6749.9	5187.6	316.4	143.9	102.0	70.5	58.5	52.5	46.5	40.5	39.0
55°	7219.2	5184.6	239.9	121.4	87.0	61.5	52.5	46.5	40.5	36.0	34.5
57.5°	7687.0	5144.2	188.9	103.5	75.0	55.5	46.5	40.5	37.5	31.5	30.0
60°	7989.9	4991.2	146.9	87.0	64.5	48.0	40.5	36.0	31.5	27.0	25.5
62.5°	8150.3	4778.3	112.4	69.0	52.5	42.0	36.0	31.5	27.0	22.5	21.0
65°	7932.9	4400.5	88.5	54.0	40.5	36.0	30.0	25.5	21.0	16.5	15.0
67.5°	6968.8	3710.8	69.0	43.5	31.5	27.0	25.5	21.0	15.0	12.0	10.5
70°	4925.3	2541.3	54.0	33.0	24.0	21.0	19.5	16.5	12.0	9.0	7.5
72.5°	2703.3	1281.9	39.0	24.0	18.0	16.5	15.0	13.5	10.5	7.5	7.5
75°	1040.5	352.3	28.5	16.5	12.0	12.0	10.5	10.5	9.0	6.0	6.0
77.5°	271.4	105.0	18.0	10.5	7.5	7.5	7.5	6.0	6.0	4.5	4.5
80°	87.0	34.5	10.5	7.5	6.0	4.5	4.5	3.0	4.5	3.0	3.0
82.5°	28.5	12.0	6.0	6.0	4.5	3.0	3.0	1.5	1.5	0.0	0.0
85°	10.5	6.0	4.5	3.0	3.0	3.0	1.5	0.0	0.0	0.0	0.0
87.5°	6.0	3.0	3.0	3.0	3.0	1.5	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)