

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: P632256

Luminaire Tested: GWS-SA2C-735-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632256  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-735-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

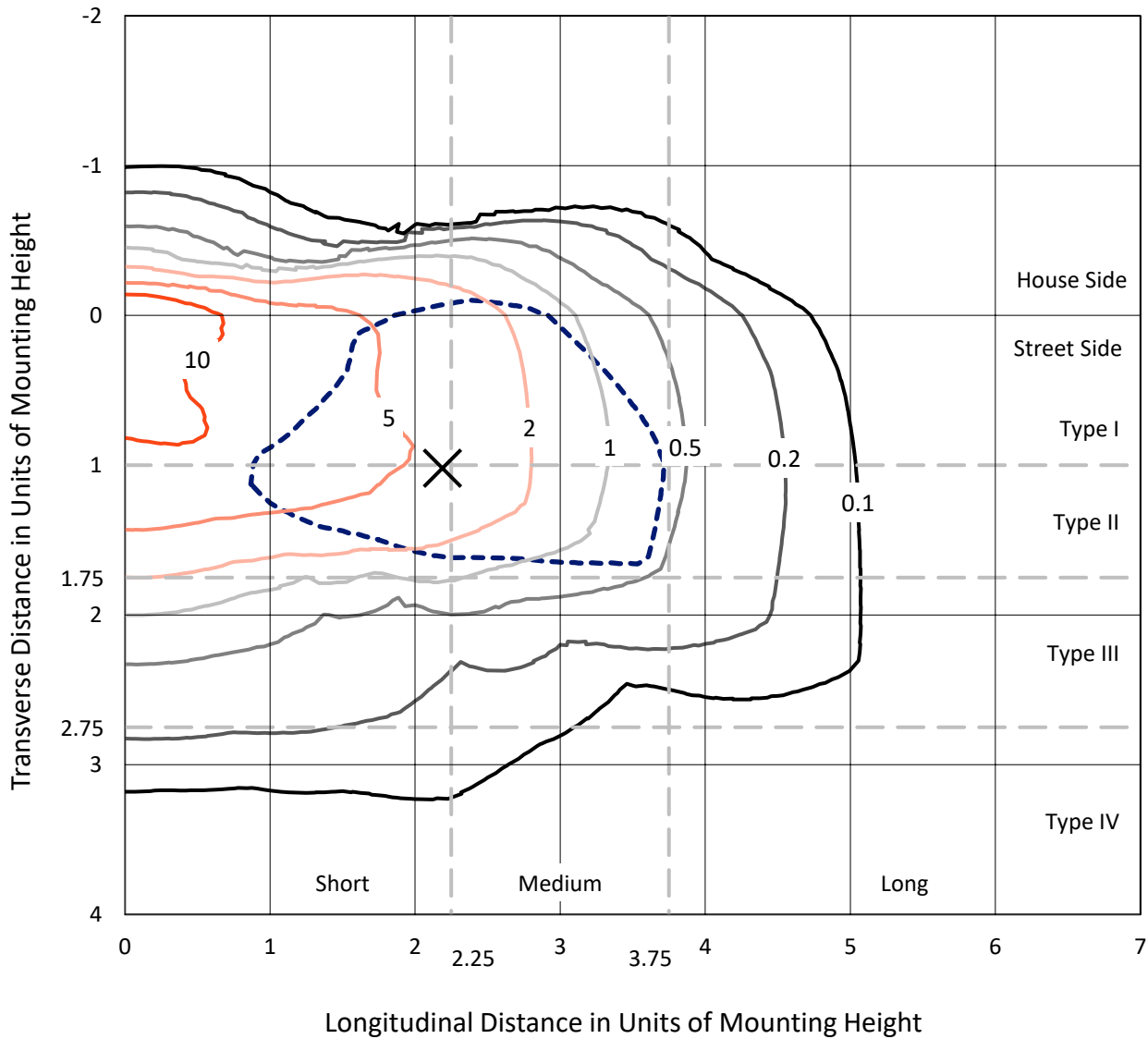
Lumens per Lamp: N/A  
Luminaire Lumens: 7236.3 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

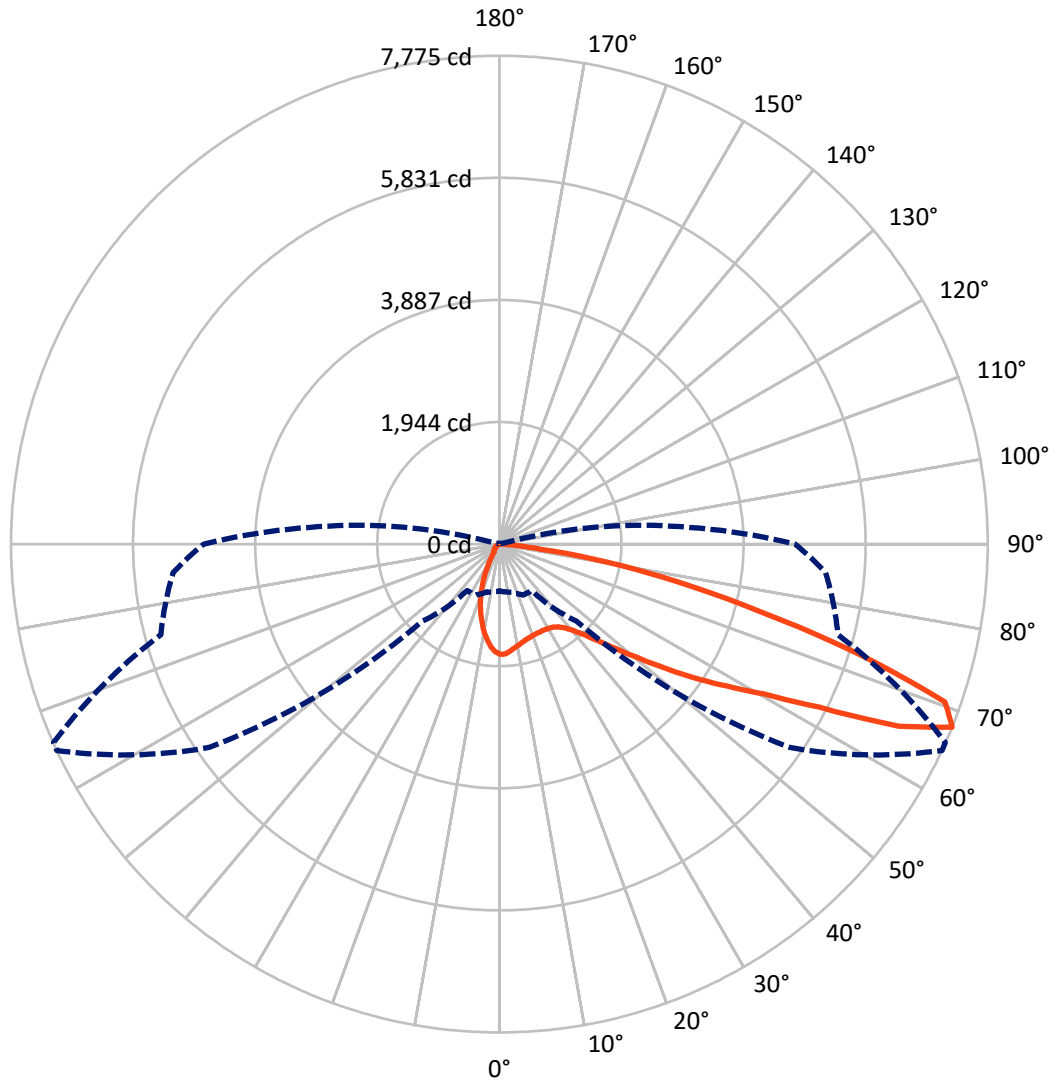
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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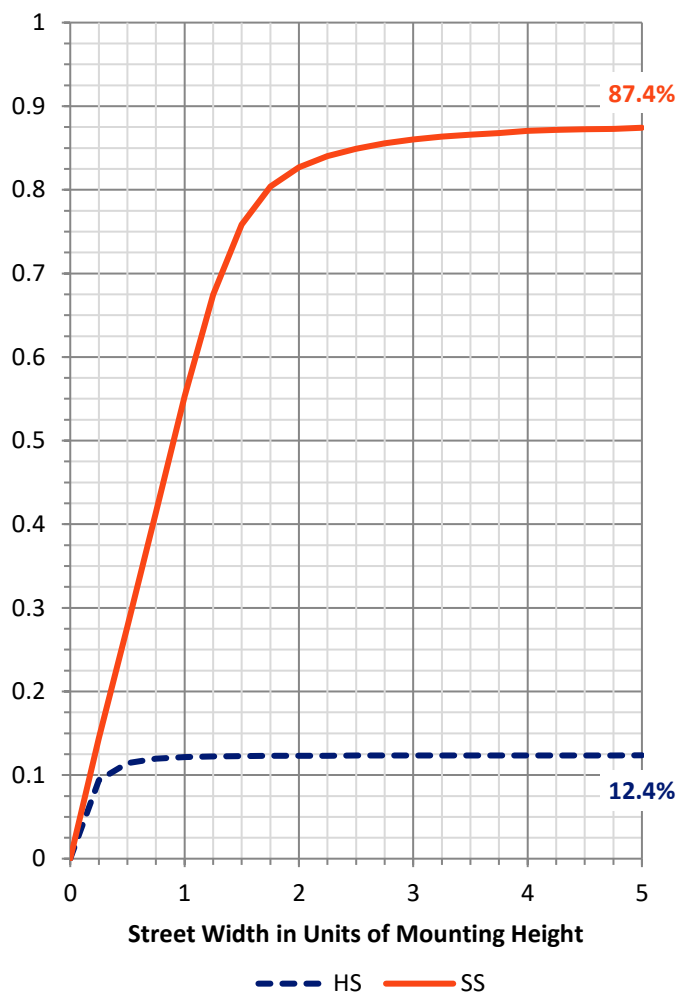
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	903.6	0.0	903.6
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	6332.7	0.0	6332.7
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	7236.3	0.0	7236.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.8	2.0
10°-20°	327.7	4.5
20°-30°	468.2	6.5
30°-40°	681.2	9.4
40°-50°	1066.9	14.7
50°-60°	1664.4	23.0
60°-70°	1828.2	25.3
70°-80°	973.0	13.4
80°-90°	81.0	1.1
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°	7236.3	100.0
0°-180°	7236.3	100.0

**Coefficient of Utilization**

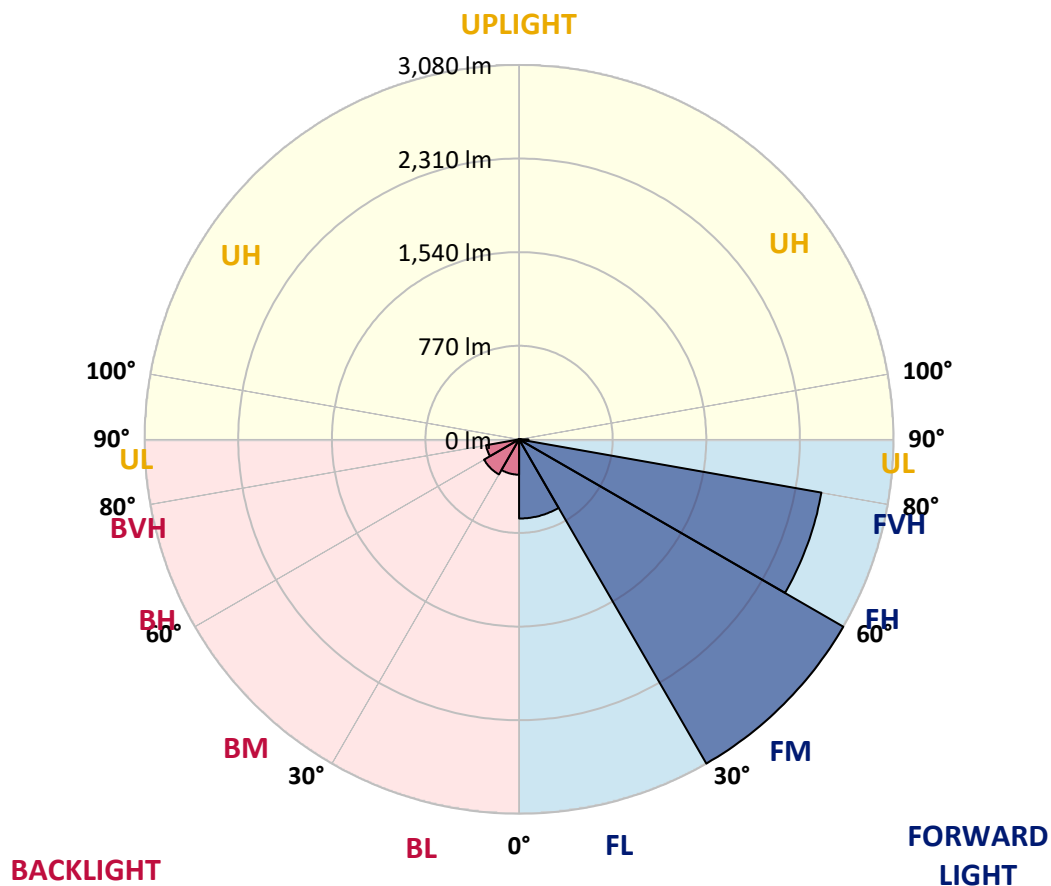


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	651.2	9.0			
FM (30°-60°)	3079.6	42.6			
FH (60°-80°)	2525.2	34.9			G2/5000
FVH (80°-90°)	76.7	1.1			G1/100
BL (0°-30°)	290.4	4.0	B1/500		
BM (30°-60°)	332.8	4.6	B1/1000		
BH (60°-80°)	276.0	3.8	B1/500		G1/500
BVH (80°-90°)	4.3	0.1			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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1755.0	1755.0	1755.0	1755.0	1755.0	1755.0	1755.0	1755.0	1755.0	1755.0	1755.0
2.5°	1694.2	1699.4	1692.2	1709.9	1713.2	1732.8	1743.9	1751.8	1751.1	1760.9	1760.9
5°	1594.7	1599.9	1596.0	1615.0	1630.0	1660.8	1686.3	1715.8	1717.1	1747.2	1758.3
7.5°	1510.3	1510.9	1510.9	1534.5	1554.1	1592.1	1630.0	1675.2	1680.4	1726.9	1756.3
10°	1440.9	1442.9	1443.5	1470.4	1492.0	1537.8	1586.2	1640.5	1646.4	1709.2	1755.0
12.5°	1393.2	1393.8	1396.4	1424.6	1448.1	1495.9	1545.0	1607.1	1615.0	1688.9	1749.1
15°	1370.3	1369.0	1370.3	1393.8	1417.4	1463.2	1513.6	1580.3	1588.8	1671.9	1749.8
17.5°	1369.0	1367.0	1365.7	1383.3	1398.4	1439.0	1490.0	1562.6	1571.8	1664.1	1757.0
20°	1387.9	1386.6	1380.1	1387.9	1391.2	1424.6	1475.0	1548.9	1558.1	1662.8	1772.7
22.5°	1437.7	1434.4	1424.6	1417.4	1399.7	1419.3	1464.5	1539.1	1549.6	1666.0	1793.0
25°	1511.6	1510.3	1497.9	1480.2	1435.0	1427.2	1465.1	1539.1	1548.9	1670.0	1814.6
27.5°	1622.8	1615.0	1599.3	1568.5	1503.8	1457.9	1478.2	1543.0	1552.8	1675.2	1832.2
30°	1736.1	1735.4	1730.2	1698.8	1602.6	1516.8	1505.7	1553.5	1562.6	1679.8	1848.6
32.5°	1853.2	1855.1	1868.2	1844.0	1738.7	1604.5	1555.4	1575.1	1581.6	1688.9	1863.0
35°	1964.4	1968.4	2003.0	2011.5	1904.2	1737.4	1636.6	1618.3	1618.9	1709.2	1882.0
37.5°	2071.1	2084.2	2139.8	2181.0	2110.4	1898.3	1753.7	1691.6	1686.3	1749.8	1910.8
40°	2192.2	2217.0	2287.0	2357.1	2334.8	2111.0	1913.4	1804.1	1793.0	1824.4	1962.5
42.5°	2326.3	2353.1	2446.0	2544.2	2554.7	2368.2	2113.0	1968.4	1949.4	1950.0	2059.3
45°	2470.3	2506.3	2614.2	2755.6	2819.0	2654.8	2359.0	2190.2	2171.2	2143.1	2215.1
47.5°	2659.4	2690.8	2794.8	2957.8	3079.5	2962.4	2681.6	2475.5	2440.8	2399.6	2457.2
50°	2822.3	2849.8	2939.4	3143.6	3396.9	3358.9	3047.4	2832.1	2798.8	2728.7	2776.5
52.5°	2858.3	2879.9	2962.4	3192.0	3639.6	3859.5	3495.7	3263.4	3239.8	3110.2	3128.6
55°	2696.7	2729.4	2803.3	3058.5	3703.1	4349.0	4077.4	3749.6	3700.5	3493.7	3526.4
57.5°	2288.3	2346.6	2415.9	2747.7	3531.0	4609.4	4890.1	4264.6	4220.1	3862.8	3863.4
60°	1677.2	1724.3	1770.7	2074.4	3122.7	4591.7	5627.6	4843.0	4761.9	4164.4	4153.3
62.5°	1219.8	1244.0	1243.3	1351.3	2144.4	4289.4	6015.0	5714.6	5525.5	4487.0	4423.6
65°	959.3	958.7	986.8	1022.1	1197.5	3311.1	6062.8	6987.4	6783.2	4919.6	4787.4
67.5°	746.6	761.0	789.2	893.2	899.8	1732.8	5642.7	7774.6	7770.7	5579.8	5213.4
70°	575.8	595.5	635.4	787.2	831.1	969.8	4222.0	7525.3	7588.8	5875.0	4911.7
72.5°	369.7	368.4	427.3	636.1	798.3	808.2	2334.8	5977.7	6049.7	5321.4	3971.4
75°	206.8	208.1	241.5	389.4	744.0	760.4	1156.3	4262.6	4319.5	4148.7	3051.3
77.5°	81.1	83.8	113.2	204.8	490.8	679.2	687.1	2906.7	2915.2	2571.0	1871.5
80°	32.7	34.7	57.6	126.9	299.0	457.4	490.8	1712.5	1677.8	995.3	544.4
82.5°	9.8	10.5	22.9	72.0	156.4	325.2	331.1	657.0	620.3	214.0	138.7
85°	0.7	0.7	5.2	22.2	55.6	81.8	220.5	214.0	189.8	53.7	61.5
87.5°	0.0	0.0	0.7	0.7	1.3	2.6	23.6	39.3	39.9	9.8	27.5
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°	1755.0	1755.0	1755.0	1755.0	1755.0	1755.0	1755.0	1755.0	1755.0	1755.0	1755.0
2.5°	1760.9	1737.4	1735.4	1717.1	1698.8	1675.9	1649.0	1629.4	1615.6	1591.4	1586.9
5°	1758.3	1726.9	1697.4	1645.1	1586.9	1524.0	1469.1	1418.0	1386.0	1364.4	1355.2
7.5°	1753.1	1713.2	1645.1	1546.3	1448.8	1338.8	1253.1	1174.6	1120.9	1089.5	1075.8
10°	1749.1	1695.5	1584.9	1435.0	1283.9	1132.1	1001.8	885.4	820.6	769.5	761.0
12.5°	1741.3	1670.0	1507.7	1304.8	1109.8	908.3	742.1	599.4	500.6	456.1	440.4
15°	1733.4	1643.1	1430.5	1167.4	920.0	671.4	469.8	332.4	264.4	243.4	242.1
17.5°	1732.1	1618.9	1346.7	1037.2	721.1	439.7	267.6	215.3	200.9	195.7	195.7
20°	1736.1	1598.6	1264.3	887.3	525.5	267.6	199.6	186.5	178.0	173.4	173.4
22.5°	1740.0	1577.7	1185.1	736.2	348.8	195.7	176.0	164.9	155.1	149.9	147.2
25°	1742.6	1554.8	1097.4	584.4	227.7	170.1	154.4	140.0	128.3	121.7	121.7
27.5°	1741.9	1527.3	1009.0	435.8	176.7	151.2	132.2	117.1	105.4	98.2	98.8
30°	1736.7	1497.2	917.4	304.3	154.4	132.2	113.2	97.5	85.7	79.8	79.2
32.5°	1732.8	1465.1	811.4	214.0	138.7	115.8	96.2	81.1	71.3	66.7	66.1
35°	1728.2	1433.7	710.7	162.9	125.0	100.1	81.1	68.7	60.9	56.9	56.9
37.5°	1729.5	1401.0	601.4	140.0	111.2	87.0	69.4	58.9	52.3	48.4	47.8
40°	1749.8	1381.4	494.1	126.9	98.8	75.3	60.2	51.0	44.5	40.6	39.9
42.5°	1800.2	1382.0	391.3	117.1	87.7	64.1	52.3	43.8	38.0	33.4	32.7
45°	1901.0	1409.5	300.4	106.7	75.9	55.6	45.2	37.3	31.4	27.5	26.8
47.5°	2065.9	1491.3	227.7	97.5	66.1	48.4	38.6	31.4	26.2	22.9	22.2
50°	2328.3	1639.2	179.3	86.4	55.6	41.9	32.7	26.2	21.6	18.3	17.7
52.5°	2643.7	1861.0	153.8	76.6	47.8	36.6	28.1	21.6	17.7	15.1	14.4
55°	3006.2	2126.1	142.0	66.7	40.6	31.4	22.9	17.7	14.4	12.4	11.1
57.5°	3338.6	2364.9	141.3	56.9	34.7	26.8	19.0	15.1	12.4	9.8	9.2
60°	3662.5	2564.5	132.8	47.1	30.1	22.2	16.4	12.4	10.5	8.5	7.9
62.5°	3956.3	2726.8	111.2	38.0	25.5	18.3	13.7	11.1	9.2	7.2	7.2
65°	4325.4	2933.6	85.1	30.8	20.9	15.1	11.8	9.8	8.5	6.5	6.5
67.5°	4706.9	3042.8	60.9	25.5	17.0	13.1	10.5	9.2	7.2	5.9	5.9
70°	4263.2	2571.0	43.8	20.9	14.4	11.1	9.2	8.5	7.2	5.9	5.2
72.5°	3329.5	1853.8	32.7	16.4	12.4	10.5	8.5	7.9	6.5	5.2	5.2
75°	2469.0	1081.0	24.9	13.1	9.8	8.5	8.5	7.9	6.5	5.2	4.6
77.5°	1342.1	376.9	19.0	10.5	7.9	6.5	7.2	7.2	5.9	4.6	3.9
80°	355.3	103.4	13.1	7.9	6.5	5.2	5.2	6.5	5.2	3.9	3.9
82.5°	103.4	30.1	9.2	6.5	5.2	4.6	4.6	4.6	3.9	3.3	2.6
85°	50.4	11.1	6.5	5.2	4.6	3.9	3.3	3.3	2.6	2.0	2.0
87.5°	22.2	4.6	5.2	4.6	4.6	3.3	2.6	2.0	2.0	1.3	0.7
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)