

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: P630776

Luminaire Tested: GWS-SA1E-735-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630776  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-735-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

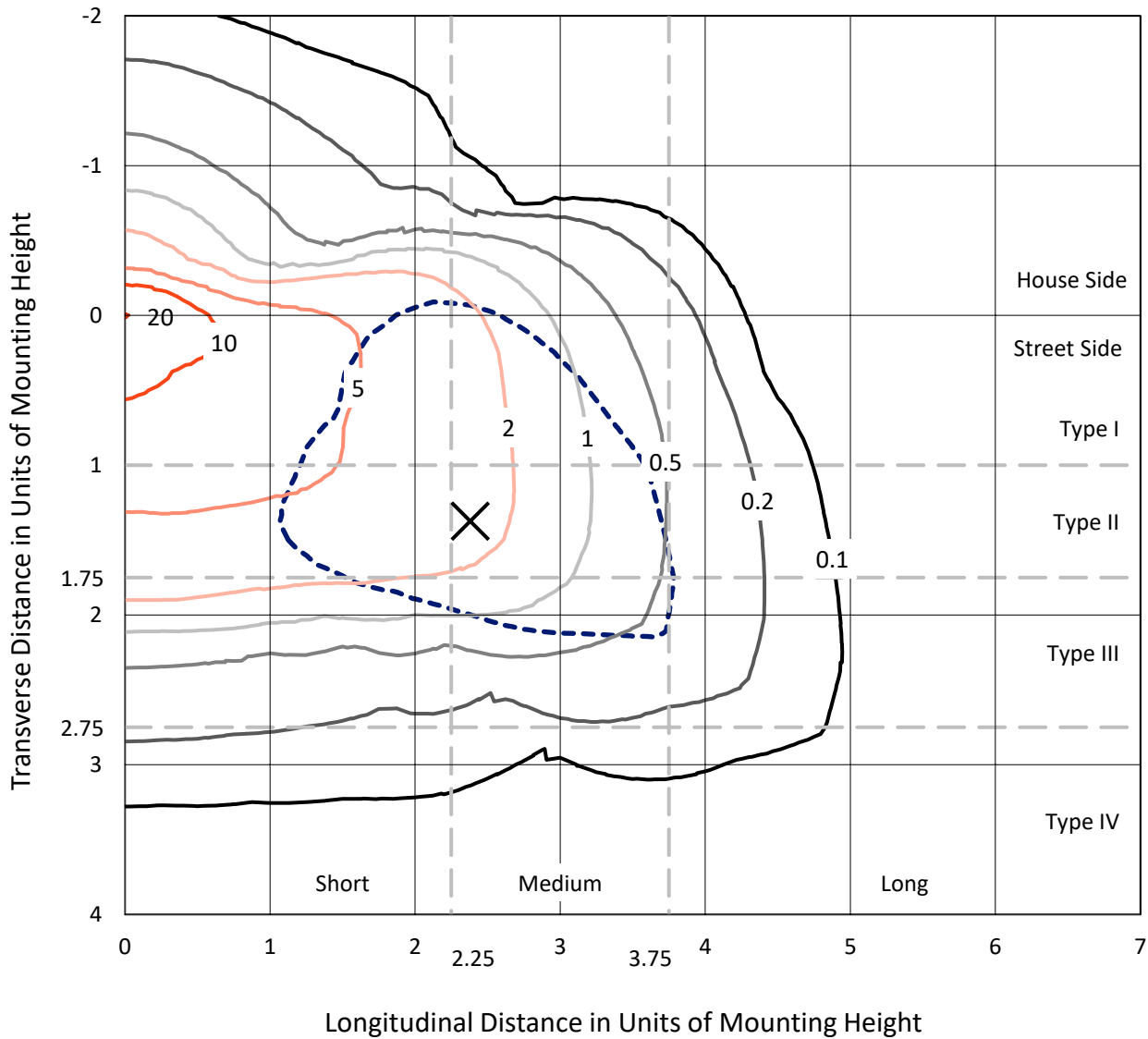
Lumens per Lamp: N/A  
Luminaire Lumens: 7322.9 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

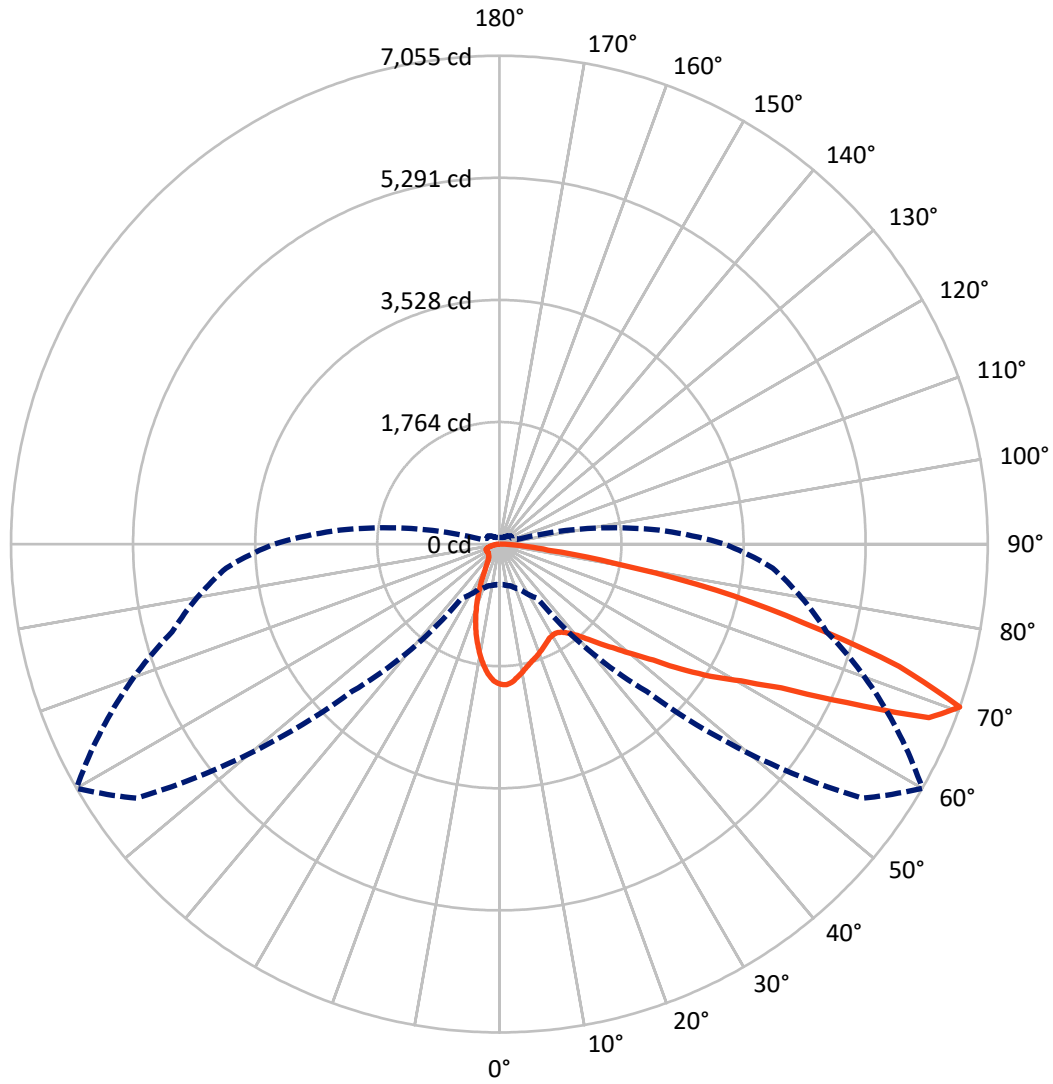
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1252.4	0.0	1252.4
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	6070.5	0.0	6070.5
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	7322.9	0.0	7322.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.7	2.4
10°-20°	391.3	5.3
20°-30°	501.1	6.8
30°-40°	658.6	9.0
40°-50°	955.5	13.0
50°-60°	1490.8	20.4
60°-70°	1951.8	26.7
70°-80°	1079.3	14.7
80°-90°	119.8	1.6
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°	7322.9	100.0
0°-180°	7322.9	100.0

**Coefficient of Utilization**



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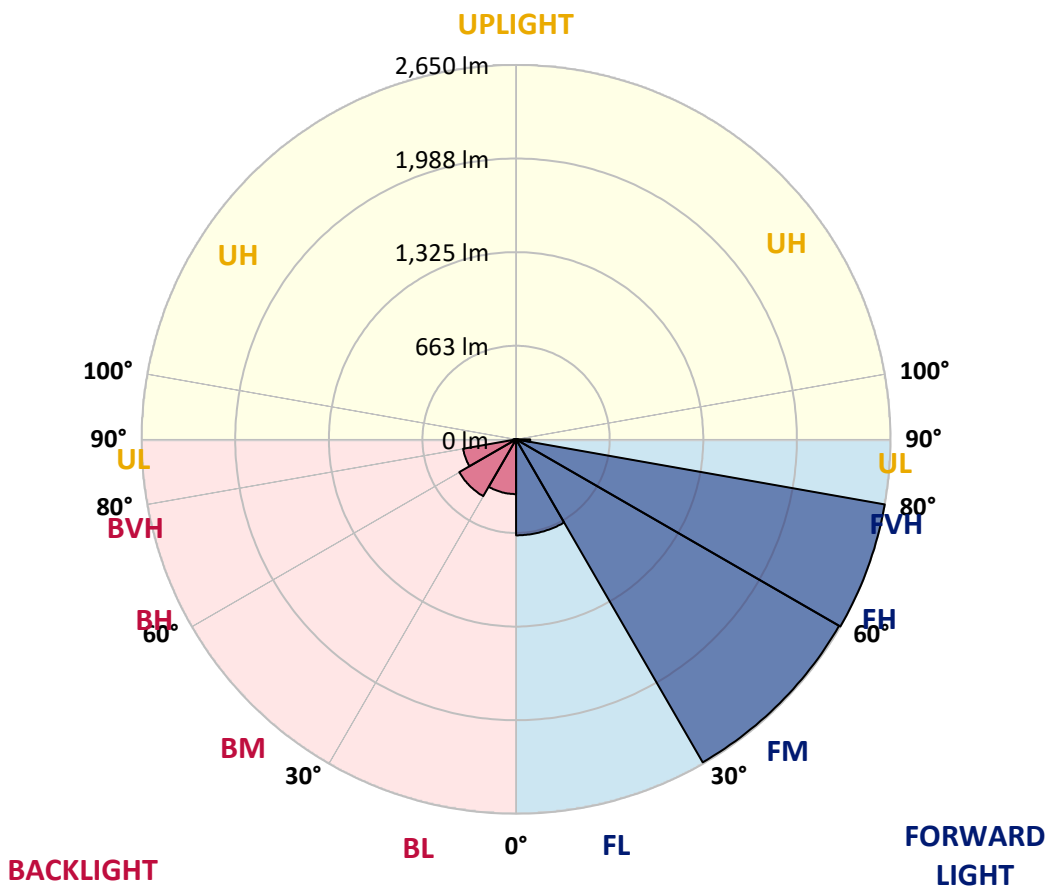
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	679.6	9.3			
FM (30°-60°)	2640.6	36.1			
FH (60°-80°)	2650.5	36.2			G2/5000
FVH (80°-90°)	99.8	1.4			G1/100
BL (0°-30°)	387.5	5.3	B1/500		
BM (30°-60°)	464.4	6.3	B1/1000		
BH (60°-80°)	380.6	5.2	B1/500		G1/500
BVH (80°-90°)	20.0	0.3			G1/100
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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2026.3	2026.3	2026.3	2026.3	2026.3	2026.3	2026.3	2026.3	2026.3	2026.3	2026.3
2.5°	1997.9	2000.1	2006.0	2014.6	2023.1	2027.4	2038.1	2034.9	2032.8	2028.5	2023.1
5°	1909.5	1913.8	1919.2	1935.8	1954.5	1969.5	1993.7	1996.3	1997.4	1999.6	1991.0
7.5°	1797.0	1798.1	1811.0	1832.9	1857.6	1883.3	1923.5	1934.7	1944.4	1955.1	1948.1
10°	1672.7	1675.4	1685.0	1716.7	1759.0	1797.0	1851.1	1869.9	1890.3	1913.8	1904.2
12.5°	1570.9	1571.5	1587.0	1620.8	1666.8	1718.3	1785.8	1808.3	1835.1	1872.0	1863.5
15°	1490.0	1490.0	1504.5	1533.4	1586.5	1647.0	1727.4	1756.3	1792.7	1842.6	1827.6
17.5°	1425.7	1426.3	1435.4	1465.9	1513.1	1580.0	1675.4	1714.5	1754.7	1820.6	1798.1
20°	1392.0	1389.3	1390.9	1409.7	1449.8	1514.7	1623.4	1669.0	1723.1	1805.6	1771.3
22.5°	1390.4	1385.5	1378.6	1380.2	1403.8	1457.3	1567.7	1622.9	1690.9	1793.3	1744.0
25°	1417.7	1412.3	1400.0	1386.1	1383.9	1416.1	1515.2	1577.9	1657.7	1787.9	1717.7
27.5°	1463.8	1460.0	1443.9	1423.0	1401.1	1400.0	1475.6	1540.9	1633.6	1793.3	1699.0
30°	1524.8	1518.4	1508.2	1481.4	1448.2	1413.9	1460.0	1521.1	1617.5	1810.4	1690.9
32.5°	1594.0	1590.2	1580.6	1553.8	1518.4	1463.8	1472.3	1525.4	1617.5	1840.4	1692.5
35°	1667.4	1666.8	1666.8	1649.1	1610.0	1542.0	1521.1	1561.8	1642.2	1888.6	1709.7
37.5°	1738.6	1738.1	1755.2	1761.7	1717.2	1643.8	1604.1	1634.7	1696.3	1959.9	1752.0
40°	1796.5	1798.6	1836.1	1868.3	1843.6	1775.6	1719.9	1735.4	1784.2	2061.2	1826.0
42.5°	1854.9	1860.8	1917.0	1973.8	1983.5	1924.5	1868.3	1877.4	1910.1	2195.1	1936.3
45°	1918.6	1921.3	2000.1	2079.4	2126.0	2091.2	2045.1	2057.4	2064.9	2360.7	2100.8
47.5°	1980.3	1987.2	2089.0	2197.8	2286.2	2283.0	2257.3	2253.5	2255.1	2562.1	2295.3
50°	2064.4	2074.6	2194.0	2325.3	2455.0	2514.4	2521.9	2493.5	2481.8	2786.1	2537.5
52.5°	2224.0	2224.0	2331.2	2460.3	2634.5	2781.8	2832.2	2785.5	2748.0	3022.9	2794.7
55°	2423.9	2432.5	2517.7	2622.1	2842.9	3063.1	3233.5	3182.0	3075.9	3280.6	3064.2
57.5°	2512.8	2523.6	2658.6	2820.9	3115.6	3383.0	3619.2	3601.0	3446.2	3548.5	3343.8
60°	2352.1	2374.6	2560.5	2832.7	3362.6	3898.9	4065.5	4012.5	3791.2	3829.8	3647.1
62.5°	1962.0	1986.7	2193.0	2572.8	3328.3	4456.7	4769.0	4573.5	4222.0	4185.0	4051.1
65°	1170.7	1169.6	1417.7	1921.3	2905.6	4611.5	5882.4	5517.5	4887.4	4672.6	4466.8
67.5°	744.2	742.6	794.6	1018.0	1933.7	4232.2	6598.2	6693.0	5791.3	5031.0	4501.1
70°	587.2	586.7	624.2	726.0	956.4	3011.7	6398.9	7055.2	6337.3	4894.4	3963.2
72.5°	428.1	429.2	487.0	608.1	737.8	1512.0	5181.6	6036.7	5828.8	4320.6	3217.4
75°	307.5	309.1	344.0	465.6	680.4	826.7	3445.6	4539.2	4434.7	3463.3	2213.3
77.5°	195.6	197.7	228.2	326.3	549.7	667.6	2089.0	3204.5	2950.6	1951.3	787.1
80°	119.5	126.4	152.2	243.2	439.3	501.0	1044.2	1688.3	1477.7	535.2	264.7
82.5°	61.6	67.0	91.6	150.6	302.7	439.9	591.0	709.4	457.6	224.0	140.9
85°	19.3	22.5	32.1	61.1	144.1	272.7	391.1	352.5	210.0	105.5	65.4
87.5°	4.8	4.8	5.4	5.4	5.9	12.3	75.5	79.8	55.7	33.2	26.8
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°	2026.3	2026.3	2026.3	2026.3	2026.3	2026.3	2026.3	2026.3	2026.3	2026.3	2026.3
2.5°	2012.4	1999.6	1994.2	1993.7	1980.3	1961.0	1948.1	1939.0	1933.7	1932.6	1932.6
5°	1976.5	1959.9	1937.9	1921.3	1885.4	1849.0	1818.5	1801.3	1781.5	1778.8	1778.3
7.5°	1928.8	1904.7	1862.9	1816.3	1753.6	1693.1	1641.6	1606.8	1572.0	1565.6	1563.4
10°	1877.4	1844.7	1773.5	1691.5	1597.7	1507.2	1428.4	1366.8	1326.1	1297.1	1291.8
12.5°	1826.5	1783.1	1678.6	1556.5	1427.9	1304.1	1185.7	1085.0	1012.1	969.8	962.3
15°	1778.8	1718.3	1575.2	1419.3	1252.1	1082.8	915.1	784.4	682.1	645.6	637.0
17.5°	1735.4	1659.9	1475.0	1277.3	1068.9	847.6	656.9	540.6	480.6	462.4	458.1
20°	1692.0	1599.9	1373.2	1127.8	874.4	626.3	480.1	425.4	402.9	395.9	393.8
22.5°	1645.4	1534.0	1262.3	980.5	677.8	468.8	392.7	368.6	361.7	362.2	361.7
25°	1598.8	1467.0	1146.0	820.3	504.7	380.4	342.9	333.8	335.4	340.2	341.3
27.5°	1560.2	1407.5	1031.9	644.6	394.3	327.4	309.7	309.1	315.0	321.5	322.5
30°	1532.3	1354.5	919.4	495.6	324.7	290.9	284.0	287.2	294.1	299.0	300.6
32.5°	1512.5	1308.9	799.4	389.5	284.5	265.2	262.0	265.2	269.5	274.3	275.4
35°	1505.6	1275.7	681.5	317.7	257.2	246.5	244.3	245.9	248.1	250.7	251.8
37.5°	1521.1	1259.1	558.3	276.5	240.6	234.1	230.9	229.9	230.4	231.5	232.0
40°	1567.2	1266.6	457.6	252.4	229.9	224.0	218.6	216.5	215.9	217.0	216.5
42.5°	1646.5	1298.2	384.7	238.4	221.3	212.7	206.8	204.7	204.7	207.3	207.3
45°	1762.7	1360.4	332.2	228.2	213.8	203.1	196.6	195.6	197.7	202.0	202.5
47.5°	1933.1	1451.4	300.6	220.7	206.8	194.5	188.1	187.5	191.8	198.8	199.3
50°	2135.1	1582.7	283.4	215.4	202.0	187.5	181.1	181.6	186.5	194.0	195.6
52.5°	2378.4	1761.7	284.5	213.2	199.3	183.2	176.8	175.7	180.6	188.1	189.7
55°	2629.6	1979.2	305.4	213.8	195.6	181.1	172.5	168.8	173.1	178.4	179.0
57.5°	2906.1	2224.6	357.4	212.7	190.7	179.0	168.8	160.2	162.9	166.1	167.7
60°	3217.9	2513.4	469.3	214.9	188.6	174.1	161.3	150.0	149.5	151.6	152.2
62.5°	3634.8	2906.1	595.3	218.6	193.4	168.2	150.0	138.2	136.1	137.2	137.7
65°	3953.6	3093.6	555.6	215.4	203.6	164.0	139.3	127.0	122.7	121.6	121.6
67.5°	3823.9	2845.6	386.8	206.8	208.4	164.5	130.7	115.2	109.8	107.2	106.6
70°	3253.8	2311.4	269.0	198.2	203.1	163.4	121.6	105.5	98.6	94.8	94.3
72.5°	2570.7	1764.9	217.5	181.1	184.3	147.3	108.2	94.8	88.9	84.1	84.1
75°	1654.5	1076.9	181.6	161.3	150.6	114.7	93.8	84.7	78.8	73.9	73.9
77.5°	556.7	399.7	140.9	136.6	112.5	86.3	78.8	72.9	68.0	63.8	63.2
80°	226.1	189.7	103.4	103.4	78.8	65.9	61.6	58.9	55.7	50.4	50.4
82.5°	131.3	115.2	72.3	62.7	52.5	45.5	42.9	40.2	40.2	36.4	36.4
85°	63.2	63.8	43.4	38.6	30.0	26.3	25.2	23.6	23.0	20.9	20.4
87.5°	34.3	34.8	22.0	17.1	11.8	10.2	8.6	8.0	7.5	7.0	7.0
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)