

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: P634759

Luminaire Tested: GWS-SA3C-735-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634759  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-735-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13767.7 lumens  
Efficiency: N/A  
Efficacy: 148.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

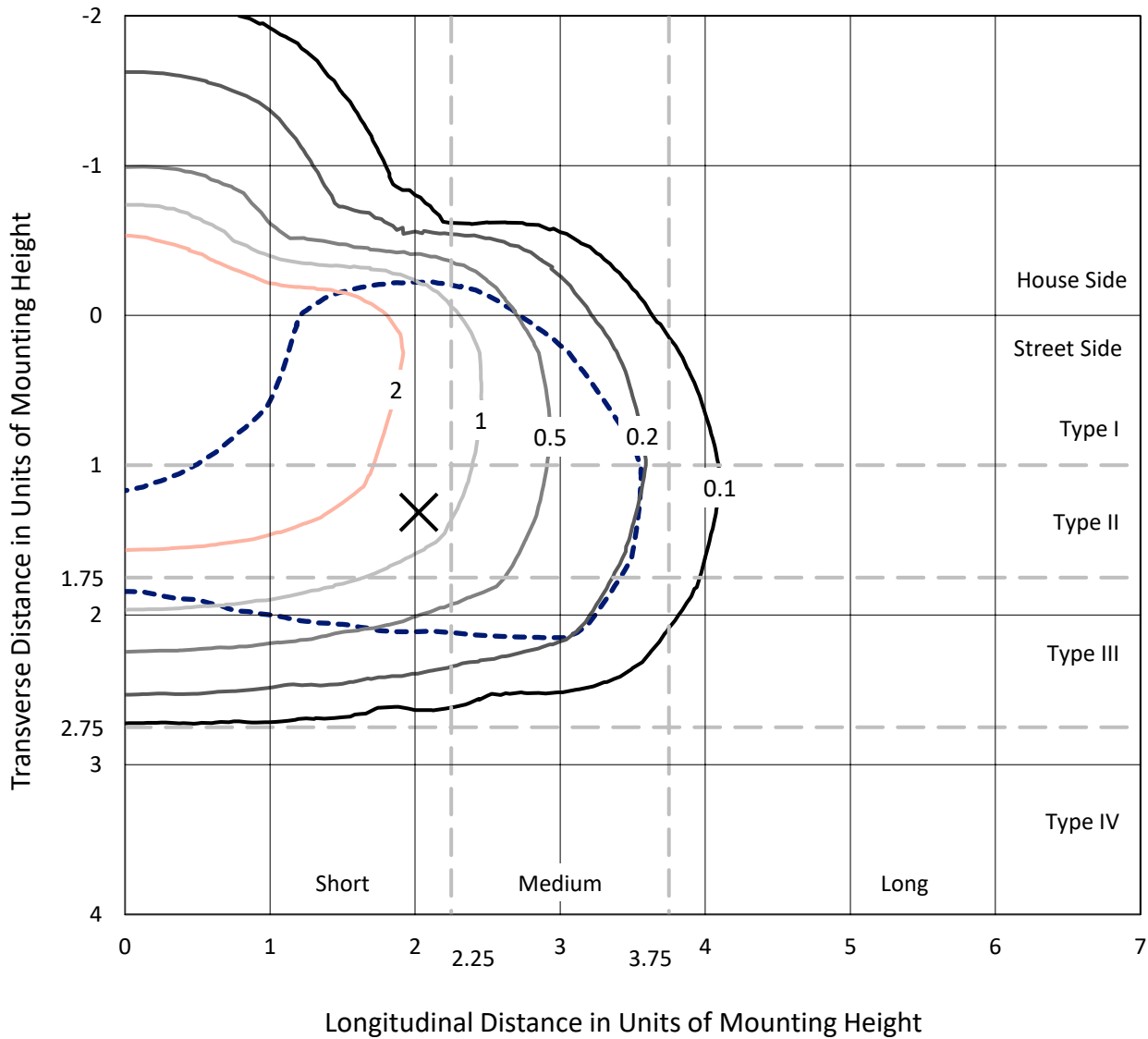
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

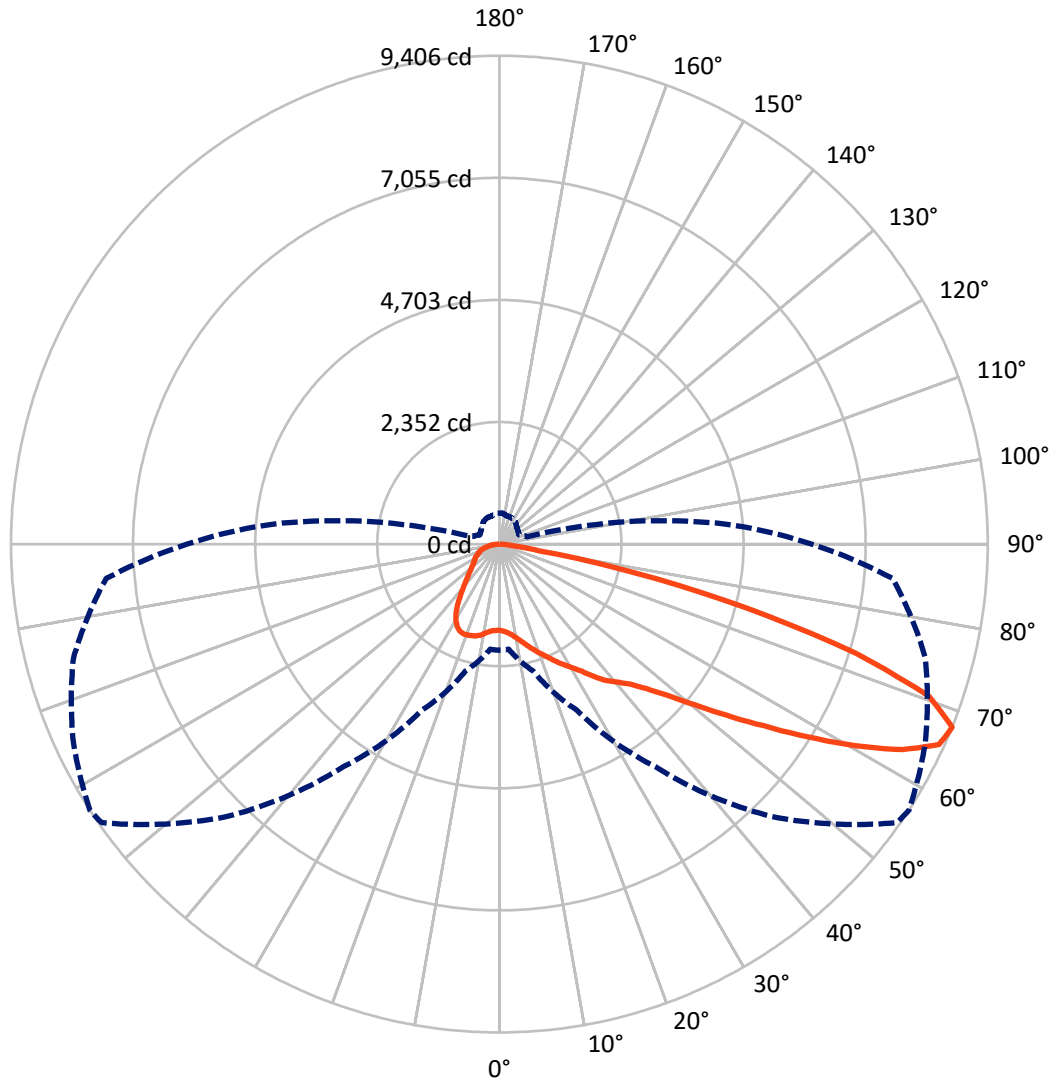
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3027.0	0.0	3027.0
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	10740.7	0.0	10740.7
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	13767.7	0.0	13767.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.5	1.2
10°-20°	544.7	4.0
20°-30°	971.1	7.1
30°-40°	1411.8	10.3
40°-50°	2043.3	14.8
50°-60°	3197.8	23.2
60°-70°	3730.4	27.1
70°-80°	1557.2	11.3
80°-90°	147.0	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°	13767.7	100.0
0°-180°	13767.7	100.0

**Coefficient of Utilization**



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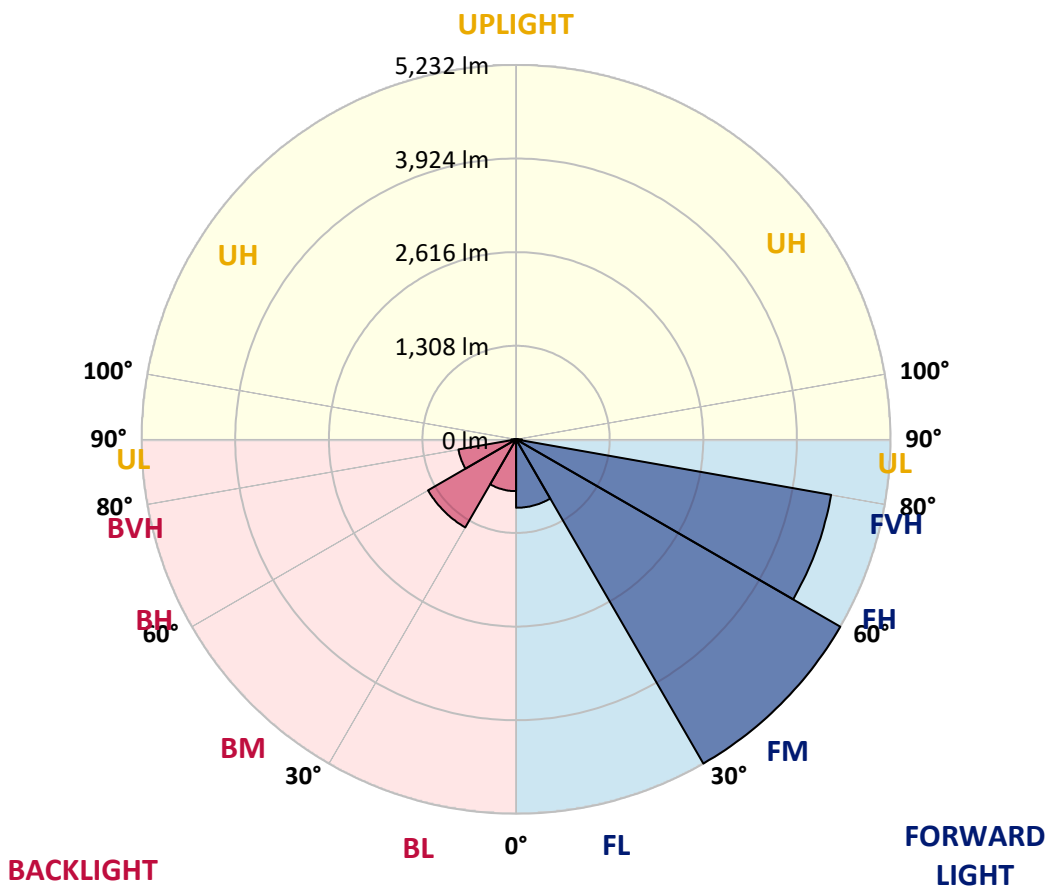
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	956.3	6.9			
FM (30°-60°)	5231.9	38.0			
FH (60°-80°)	4470.6	32.5			G2/5000
FVH (80°-90°)	81.9	0.6			G1/100
BL (0°-30°)	724.0	5.3	B2/1000		
BM (30°-60°)	1421.0	10.3	B2/2500		
BH (60°-80°)	817.0	5.9	B2/1000		G2/1000
BVH (80°-90°)	65.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9
2.5°	1682.6	1680.6	1679.6	1685.5	1683.6	1682.6	1682.6	1681.6	1679.6	1671.7	1660.9
5°	1728.9	1725.0	1721.0	1726.0	1722.0	1718.1	1717.1	1715.1	1708.2	1696.4	1679.6
7.5°	1777.3	1773.3	1774.3	1777.3	1774.3	1772.3	1769.4	1767.4	1756.6	1737.8	1715.1
10°	1845.3	1845.3	1847.3	1850.3	1851.2	1848.3	1842.4	1839.4	1826.6	1802.9	1771.3
12.5°	1943.9	1942.0	1942.0	1940.0	1943.0	1940.0	1934.1	1929.2	1913.4	1882.8	1837.4
15°	2074.1	2066.2	2059.3	2046.5	2042.6	2031.7	2033.7	2030.7	2015.9	1974.5	1917.3
17.5°	2213.2	2212.2	2201.4	2175.7	2150.1	2132.3	2136.3	2135.3	2127.4	2071.2	1998.2
20°	2335.5	2340.4	2330.6	2310.8	2276.3	2242.8	2240.8	2245.7	2235.9	2179.7	2078.1
22.5°	2472.6	2468.6	2458.8	2433.1	2407.5	2372.0	2360.2	2356.2	2352.3	2288.2	2159.9
25°	2602.8	2614.6	2601.8	2578.1	2538.7	2500.2	2490.3	2494.3	2483.4	2398.6	2247.7
27.5°	2767.5	2772.4	2764.5	2732.0	2698.4	2644.2	2625.5	2625.5	2621.5	2502.2	2316.8
30°	2943.0	2956.9	2943.0	2916.4	2881.9	2804.0	2763.5	2759.6	2747.8	2608.7	2397.6
32.5°	3119.6	3129.4	3119.6	3093.9	3054.5	2986.4	2928.2	2919.4	2903.6	2725.1	2480.5
35°	3276.4	3285.3	3283.3	3289.2	3256.7	3170.9	3135.4	3131.4	3090.0	2877.0	2592.9
37.5°	3448.0	3458.9	3444.1	3455.9	3443.1	3362.2	3351.4	3331.6	3272.5	3020.0	2711.3
40°	3643.3	3653.2	3629.5	3634.4	3619.6	3574.3	3519.0	3492.4	3404.6	3174.8	2897.7
42.5°	3852.4	3875.1	3885.9	3877.0	3842.5	3816.9	3720.2	3686.7	3613.7	3453.9	3204.4
45°	4155.2	4188.7	4204.5	4181.8	4167.0	4130.5	4012.2	3971.7	3933.3	3847.5	3632.4
47.5°	4481.6	4512.2	4562.5	4572.4	4584.2	4556.6	4389.9	4350.5	4357.4	4347.5	4159.1
50°	4742.0	4767.7	4881.1	5002.4	5103.0	5110.9	4897.8	4855.4	4892.9	4924.5	4793.3
52.5°	4931.4	4954.1	5104.0	5354.5	5582.3	5751.0	5521.2	5472.8	5503.4	5574.4	5514.3
55°	5085.2	5116.8	5273.6	5658.3	6118.8	6385.1	6238.2	6177.0	6164.2	6252.0	6286.5
57.5°	5166.1	5176.0	5395.9	5896.0	6512.4	7007.5	7071.6	7002.6	6880.3	6928.6	7108.1
60°	4981.7	4998.4	5299.3	5957.1	6823.0	7624.9	7946.4	7889.2	7628.8	7655.5	7853.7
62.5°	4471.8	4495.4	4857.4	5666.1	6848.7	8037.2	8754.2	8717.7	8368.5	8224.5	8283.7
65°	3587.1	3595.0	3969.8	4946.2	6338.8	8088.4	9317.3	9308.5	8885.3	8548.0	8294.6
67.5°	2045.5	2031.7	2532.8	3527.9	5231.2	7421.7	9353.8	9406.1	9053.0	8494.8	7604.2
70°	886.7	888.6	1119.4	1740.8	3385.9	5998.5	8688.1	8777.8	8567.8	7608.1	6049.8
72.5°	410.3	416.2	515.8	753.5	1445.9	3721.2	7084.4	7165.3	6984.8	6089.3	4401.7
75°	290.0	294.9	344.2	432.0	664.7	1449.8	4739.1	4908.7	4996.5	4554.6	2900.6
77.5°	219.9	226.8	251.5	299.8	410.3	513.8	2267.4	2671.8	3182.7	2833.6	1494.2
80°	140.1	140.1	166.7	200.2	250.5	267.3	654.9	776.2	1557.3	1167.7	586.8
82.5°	94.7	97.6	113.4	127.2	144.0	151.9	281.1	299.8	449.7	397.5	241.6
85°	50.3	52.3	59.2	58.2	69.0	60.2	118.4	117.4	164.7	180.5	91.7
87.5°	0.0	0.0	1.0	1.0	2.0	3.0	12.8	13.8	34.5	55.2	30.6
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°	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9
2.5°	1666.8	1655.0	1660.9	1658.9	1664.8	1664.8	1654.0	1651.0	1652.0	1640.2	1636.2
5°	1681.6	1667.8	1670.7	1666.8	1672.7	1677.7	1672.7	1672.7	1678.6	1669.8	1664.8
7.5°	1715.1	1699.4	1699.4	1694.4	1701.3	1705.3	1701.3	1707.2	1718.1	1709.2	1704.3
10°	1768.4	1749.7	1750.6	1744.7	1747.7	1745.7	1729.9	1725.0	1728.0	1720.1	1716.1
12.5°	1837.4	1811.8	1811.8	1800.0	1793.0	1772.3	1739.8	1728.0	1729.9	1723.0	1720.1
15°	1903.5	1879.8	1874.9	1851.2	1819.7	1781.2	1751.6	1743.7	1745.7	1738.8	1733.9
17.5°	1981.4	1950.9	1933.1	1889.7	1831.5	1792.1	1762.5	1743.7	1728.0	1712.2	1708.2
20°	2053.4	2015.0	1982.4	1915.3	1844.3	1790.1	1734.9	1688.5	1650.0	1629.3	1624.4
22.5°	2127.4	2078.1	2020.9	1933.1	1843.3	1754.6	1653.0	1583.0	1525.8	1495.2	1501.1
25°	2197.4	2135.3	2057.4	1949.9	1811.8	1675.7	1537.6	1433.1	1368.0	1344.3	1337.4
27.5°	2255.6	2178.7	2090.9	1942.0	1746.7	1562.3	1379.8	1263.4	1200.3	1173.7	1166.8
30°	2320.7	2233.9	2139.2	1905.5	1644.1	1403.5	1201.3	1106.6	1061.2	1035.6	1036.6
32.5°	2395.7	2304.9	2207.3	1835.5	1512.9	1231.9	1054.3	989.2	952.7	927.1	923.2
35°	2496.3	2406.5	2252.7	1729.9	1346.3	1074.1	953.7	900.5	855.1	821.6	814.7
37.5°	2620.5	2559.4	2257.6	1588.9	1167.7	965.6	881.7	824.5	769.3	724.9	720.0
40°	2833.6	2763.5	2217.1	1412.3	1015.9	895.5	821.6	755.5	691.4	642.1	635.2
42.5°	3137.3	2993.3	2130.4	1213.1	901.5	840.3	764.4	680.5	615.4	580.9	576.0
45°	3524.0	3249.8	2000.2	1025.7	816.6	786.1	704.2	616.4	581.9	557.2	552.3
47.5°	3997.4	3548.6	1850.3	879.8	750.6	736.7	643.1	594.7	564.1	543.4	538.5
50°	4563.5	3929.3	1727.0	765.3	691.4	679.5	623.3	581.9	557.2	540.5	536.5
52.5°	5209.5	4352.4	1666.8	683.5	640.1	628.3	616.4	578.9	558.2	545.4	540.5
55°	5880.2	4798.2	1610.6	620.4	596.7	603.6	617.4	588.8	573.0	556.3	551.3
57.5°	6528.2	5216.4	1472.5	571.1	565.1	591.8	622.3	598.7	579.9	563.2	557.2
60°	6974.9	5445.2	1238.8	531.6	541.5	577.0	609.5	583.9	560.2	553.3	550.3
62.5°	7095.3	5417.6	961.6	491.2	512.9	544.4	576.0	559.2	534.6	545.4	546.4
65°	6814.2	5121.7	722.0	451.7	475.4	502.0	541.5	534.6	525.7	555.3	556.3
67.5°	6018.2	4394.8	550.3	417.2	436.9	469.5	530.6	559.2	561.2	598.7	594.7
70°	4553.6	3283.3	431.0	384.6	407.3	469.5	565.1	578.0	554.3	588.8	580.9
72.5°	3148.2	2166.8	366.9	356.0	370.8	447.8	564.1	564.1	538.5	538.5	523.7
75°	1955.8	1274.3	319.6	319.6	319.6	391.6	548.4	519.8	474.4	453.7	441.9
77.5°	965.6	619.4	268.3	278.1	267.3	327.4	447.8	425.1	397.5	375.8	367.9
80°	412.3	309.7	217.0	227.8	215.0	246.6	355.1	350.1	323.5	294.9	286.0
82.5°	189.4	159.8	173.6	178.5	156.8	185.4	259.4	259.4	244.6	205.1	190.4
85°	80.9	84.8	120.3	120.3	98.6	104.5	139.1	132.2	118.4	96.7	88.8
87.5°	27.6	41.4	61.1	53.3	20.7	8.9	4.9	2.0	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)