

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: P635038

Luminaire Tested: GWS-SA3C-830-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635038  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-830-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

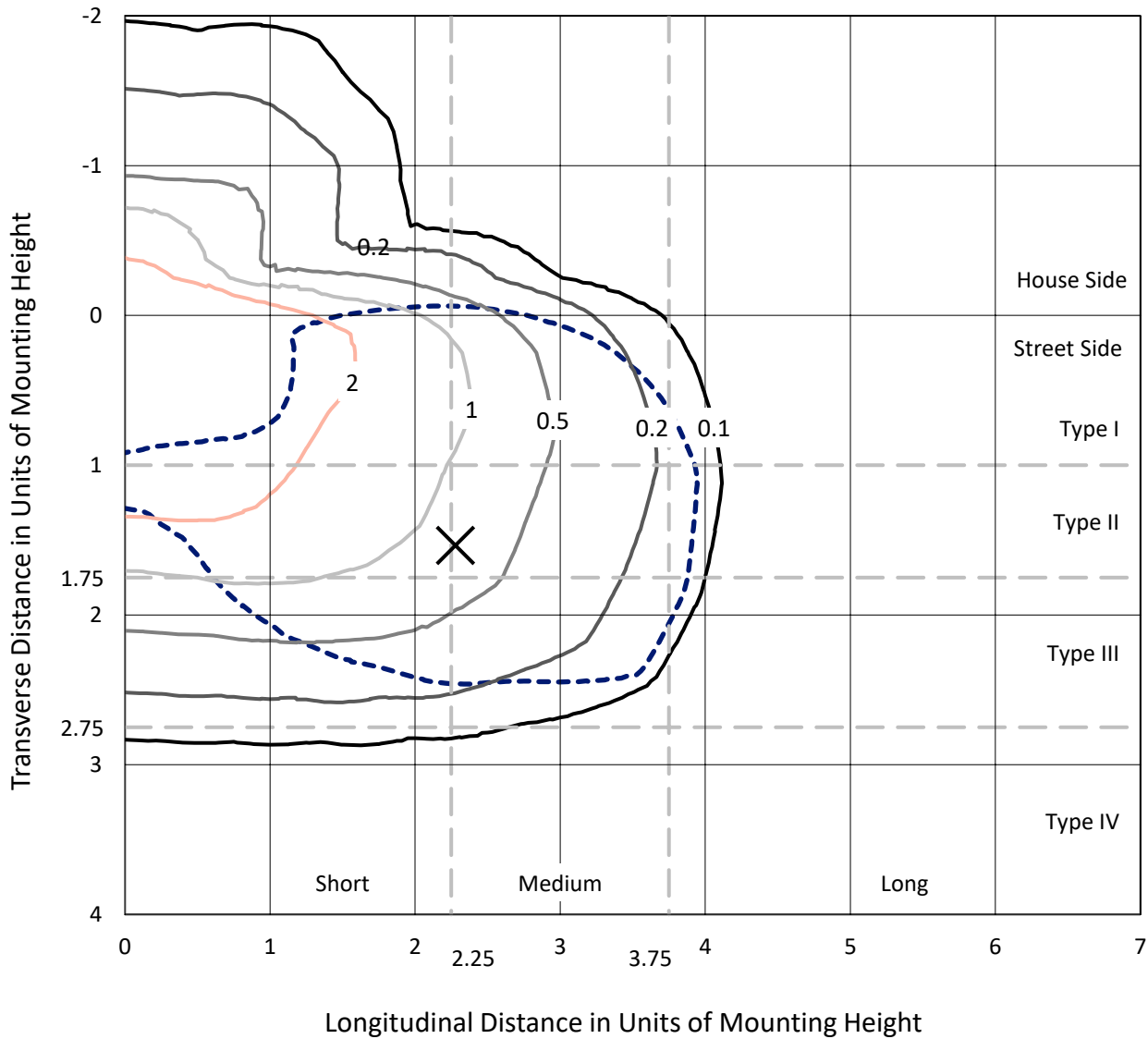
Lumens per Lamp: N/A  
Luminaire Lumens: 11265.2 lumens  
Efficiency: N/A  
Efficacy: 121.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P635038  
 CATALOG NUMBER: GWS-SA3C-830-U-T3R-W

### Iso-Footcandle Lines of Horizontal Illumination

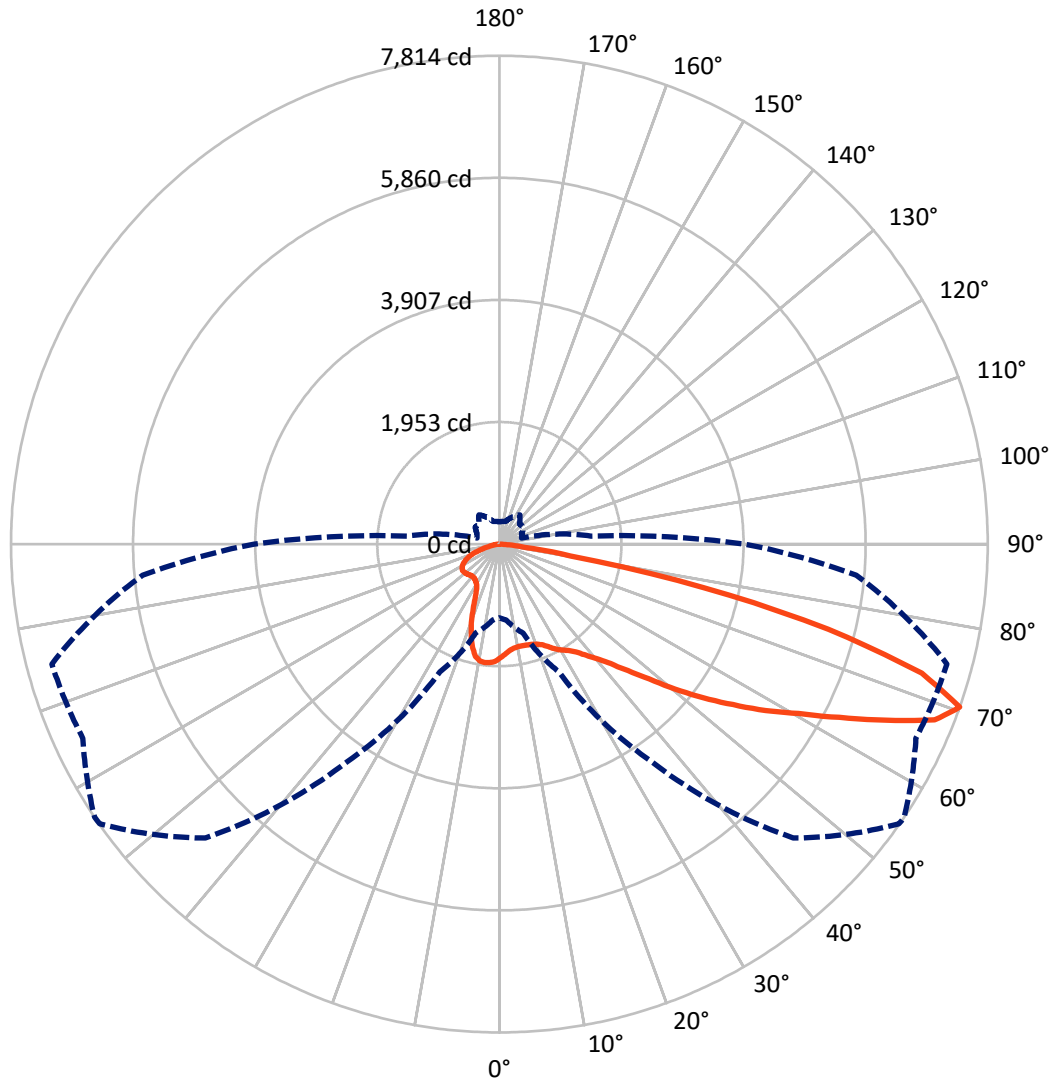
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.7 fc  
 Type III - Medium - N/A

REPORT NUMBER: P635038  
CATALOG NUMBER: GWS-SA3C-830-U-T3R-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P635038

CATALOG NUMBER: GWS-SA3C-830-U-T3R-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2165.8	0.0	2165.8
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	9099.5	0.0	9099.5
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	11265.2	0.0	11265.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.3	1.5
10°-20°	455.9	4.0
20°-30°	753.8	6.7
30°-40°	1127.0	10.0
40°-50°	1677.1	14.9
50°-60°	2384.4	21.2
60°-70°	2953.2	26.2
70°-80°	1630.6	14.5
80°-90°	114.8	1.0
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°	11265.2	100.0
0°-180°	11265.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635038

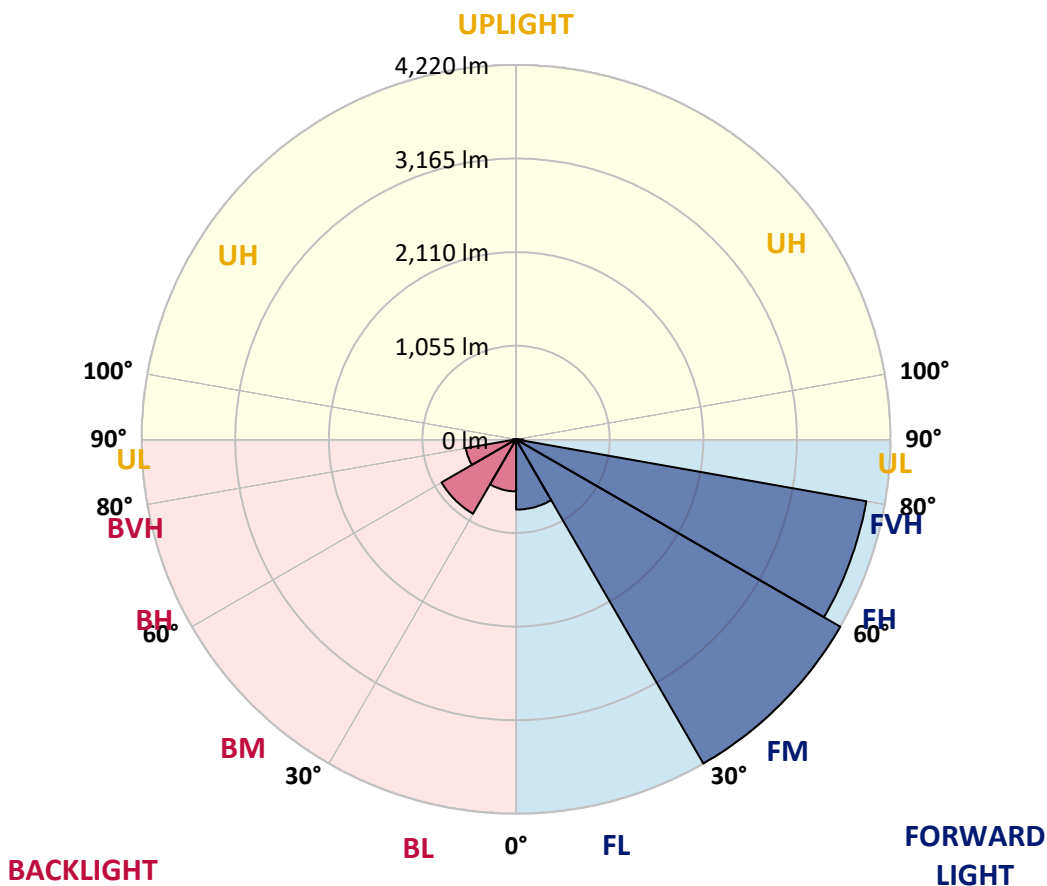
CATALOG NUMBER: GWS-SA3C-830-U-T3R-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	791.7	7.0			
FM (30°-60°)	4219.8	37.5			
FH (60°-80°)	4008.2	35.6			G2/5000
FVH (80°-90°)	79.8	0.7			G1/100
BL (0°-30°)	586.3	5.2	B2/1000		
BM (30°-60°)	968.8	8.6	B1/1000		
BH (60°-80°)	575.6	5.1	B2/1000		G2/1000
BVH (80°-90°)	35.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Medium





REPORT NUMBER: P635038

CATALOG NUMBER: GWS-SA3C-830-U-T3R-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1818.4	1818.4	1818.4	1818.4	1818.4	1818.4	1818.4	1818.4	1818.4	1818.4	1818.4
2.5°	1701.6	1692.1	1703.2	1708.7	1723.0	1743.7	1762.0	1762.8	1772.3	1795.3	1817.6
5°	1624.5	1619.8	1623.0	1639.6	1654.7	1680.9	1708.7	1711.1	1738.1	1783.4	1827.9
7.5°	1565.0	1558.6	1570.5	1592.0	1611.0	1640.4	1677.0	1680.2	1718.3	1786.6	1854.9
10°	1479.2	1474.4	1496.6	1525.2	1566.6	1615.0	1663.5	1667.4	1717.5	1807.3	1902.6
12.5°	1441.8	1441.8	1451.4	1478.4	1523.7	1588.0	1661.1	1667.4	1730.2	1839.0	1963.8
15°	1499.8	1503.8	1495.9	1494.3	1512.5	1573.7	1664.3	1673.8	1754.0	1871.6	2024.1
17.5°	1616.6	1620.6	1599.9	1567.3	1549.1	1587.2	1676.2	1686.5	1779.5	1907.3	2089.3
20°	1780.2	1785.0	1739.7	1689.7	1626.9	1626.1	1699.2	1708.7	1812.0	1946.3	2158.4
22.5°	1971.7	1974.9	1917.7	1838.2	1742.1	1698.4	1738.9	1748.5	1854.1	2000.3	2233.1
25°	2193.3	2202.9	2133.8	2018.6	1888.3	1797.7	1804.9	1816.0	1929.6	2072.6	2321.2
27.5°	2430.1	2442.0	2362.5	2235.4	2055.9	1907.3	1889.9	1899.4	2009.8	2117.1	2368.1
30°	2672.4	2681.1	2601.7	2456.3	2236.2	2031.3	1961.4	1966.9	2044.8	2138.5	2415.8
32.5°	2941.7	2934.5	2858.2	2690.6	2444.4	2179.8	2028.1	2026.5	2083.7	2181.4	2484.1
35°	3194.3	3204.6	3123.6	2938.5	2673.1	2363.3	2128.2	2121.8	2166.3	2251.3	2580.2
37.5°	3500.1	3496.9	3400.0	3199.8	2902.7	2538.9	2268.8	2257.7	2273.6	2360.2	2714.5
40°	3718.6	3740.8	3678.1	3491.4	3171.2	2755.0	2433.2	2408.6	2412.6	2494.4	2894.0
42.5°	3897.3	3918.0	3924.3	3805.2	3478.7	3021.9	2638.2	2613.6	2616.0	2731.9	3114.8
45°	4034.7	4062.6	4152.3	4117.4	3825.0	3330.1	2915.4	2890.0	2891.6	3020.3	3381.8
47.5°	4091.1	4121.3	4303.3	4386.7	4192.8	3698.7	3260.2	3222.9	3228.4	3370.6	3686.8
50°	4072.9	4113.4	4359.7	4594.0	4501.1	4073.7	3672.5	3646.3	3624.8	3831.4	4018.1
52.5°	3915.6	3960.1	4354.1	4725.9	4752.9	4428.0	4098.3	4083.2	4078.4	4320.7	4388.3
55°	3452.5	3527.1	4162.6	4760.8	4949.9	4761.6	4559.8	4534.4	4559.0	4845.0	4762.4
57.5°	3195.9	3251.5	3787.7	4721.9	5111.2	5079.4	5020.6	5023.0	5050.8	5414.6	5216.0
60°	3049.7	3114.8	3579.6	4615.5	5266.1	5465.5	5502.8	5502.8	5552.8	6028.7	5676.8
62.5°	2855.9	2921.8	3384.9	4410.5	5409.1	5919.9	6108.9	6106.5	6126.4	6687.2	6127.2
65°	2462.6	2523.8	2994.1	4087.2	5479.0	6420.3	6797.7	6790.5	6750.8	7273.5	6425.1
67.5°	1788.2	1846.2	2293.4	3472.3	5227.1	6823.9	7507.1	7510.2	7272.7	7642.9	6441.0
70°	1178.9	1218.6	1474.4	2255.3	4250.8	6649.9	7804.2	7813.7	7352.9	7412.5	5732.4
72.5°	735.6	763.4	920.7	1344.9	2511.9	5263.7	7041.5	7067.8	6615.0	6514.1	4710.0
75°	488.6	507.6	612.5	784.1	1162.2	2848.7	5352.7	5436.9	5301.8	5106.4	3281.7
77.5°	293.9	309.8	390.0	498.1	514.8	1113.0	3124.4	3342.0	3361.1	2666.0	1374.3
80°	134.3	152.5	215.3	284.4	274.1	387.7	1101.8	1152.7	1360.0	846.8	433.7
82.5°	79.4	87.4	143.0	141.4	116.8	188.3	396.4	406.7	345.6	309.8	185.1
85°	31.8	37.3	60.4	53.2	42.9	61.2	149.3	156.5	150.1	135.0	68.3
87.5°	0.0	0.0	0.0	0.0	0.8	1.6	13.5	14.3	20.7	37.3	20.7
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: P635038  
 CATALOG NUMBER: GWS-SA3C-830-U-T3R-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1818.4	1818.4	1818.4	1818.4	1818.4	1818.4	1818.4	1818.4	1818.4	1818.4	1818.4
2.5°	1831.9	1827.1	1850.9	1869.2	1877.2	1885.1	1878.0	1875.6	1875.6	1859.7	1851.7
5°	1851.7	1854.1	1886.7	1901.8	1901.8	1895.4	1876.4	1862.9	1858.1	1837.4	1831.9
7.5°	1889.1	1899.4	1929.6	1928.8	1906.6	1871.6	1823.9	1787.4	1754.0	1739.7	1731.0
10°	1950.2	1963.8	1984.4	1951.0	1889.1	1796.9	1696.0	1616.6	1568.9	1530.8	1530.8
12.5°	2020.2	2032.9	2028.9	1951.8	1823.9	1651.6	1506.2	1414.8	1348.1	1313.1	1313.1
15°	2090.1	2100.4	2057.5	1915.3	1688.1	1458.5	1299.6	1190.0	1132.0	1099.4	1099.4
17.5°	2160.8	2160.0	2069.4	1831.1	1510.9	1244.8	1089.1	1004.1	984.3	978.7	977.9
20°	2229.1	2210.8	2054.3	1690.5	1305.2	1029.5	931.0	936.6	966.0	978.7	980.3
22.5°	2306.1	2260.9	2009.8	1510.9	1071.6	880.2	886.5	932.6	975.5	994.6	997.0
25°	2384.8	2303.8	1935.2	1300.4	876.2	825.4	874.6	926.3	974.7	999.4	1001.7
27.5°	2416.6	2303.8	1808.0	1056.5	772.2	802.3	856.4	906.4	957.2	985.8	991.4
30°	2442.8	2283.9	1630.1	836.5	729.3	780.1	827.0	873.0	923.1	958.0	964.4
32.5°	2479.3	2266.4	1414.8	703.0	709.4	758.6	791.2	830.1	875.4	898.5	896.1
35°	2522.2	2239.4	1155.1	639.5	692.7	740.4	763.4	786.5	765.8	765.0	767.4
37.5°	2583.4	2215.6	928.7	610.9	681.6	727.7	746.7	697.5	668.9	657.0	652.2
40°	2671.6	2206.0	732.4	594.2	680.0	726.9	713.4	637.1	598.2	556.9	556.1
42.5°	2782.8	2198.9	605.3	586.3	685.6	745.1	667.3	597.4	517.2	498.9	497.3
45°	2925.8	2187.8	541.8	584.7	699.1	759.4	662.5	542.6	487.8	479.8	479.8
47.5°	3098.2	2170.3	513.2	584.7	714.2	753.1	648.2	530.7	474.3	483.0	488.6
50°	3296.0	2148.1	498.1	583.1	729.3	753.1	618.0	528.3	471.1	516.4	534.6
52.5°	3507.3	2122.6	487.8	576.7	739.6	753.9	619.6	536.2	474.3	524.3	539.4
55°	3740.8	2118.7	473.5	563.2	742.8	733.2	623.6	553.7	479.0	475.0	475.8
57.5°	4035.5	2166.3	463.1	543.4	730.1	691.1	631.5	566.4	473.5	474.3	479.8
60°	4343.8	2256.1	471.9	524.3	703.8	651.4	637.1	560.1	446.5	433.7	435.3
62.5°	4605.9	2324.4	479.0	515.6	665.7	616.5	631.5	545.8	431.4	428.2	435.3
65°	4715.5	2268.0	461.5	497.3	610.1	573.6	619.6	527.5	418.6	406.7	407.5
67.5°	4594.0	2003.5	427.4	456.8	547.3	518.7	600.6	503.6	401.2	386.9	383.7
70°	3924.3	1472.0	368.6	392.4	471.1	454.4	571.2	472.7	373.4	363.0	355.9
72.5°	3162.5	1042.2	305.8	312.2	369.4	382.9	520.3	433.7	341.6	312.2	301.9
75°	2201.3	654.6	255.0	248.6	266.9	292.3	405.9	359.9	294.7	263.7	254.2
77.5°	946.9	336.0	199.4	196.2	177.9	202.6	311.4	300.3	247.1	211.3	205.7
80°	317.0	194.6	143.8	138.2	118.4	142.2	219.3	239.9	193.8	156.5	147.0
82.5°	158.9	112.8	91.4	82.6	79.4	89.8	129.5	149.3	134.3	108.0	91.4
85°	77.9	64.3	50.0	49.3	41.3	38.9	54.0	63.6	60.4	44.5	42.1
87.5°	28.6	25.4	15.9	12.7	7.9	5.6	3.2	3.2	2.4	2.4	2.4
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)