

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: P634397

Luminaire Tested: GWS-SA3B-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-760-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9250.8 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

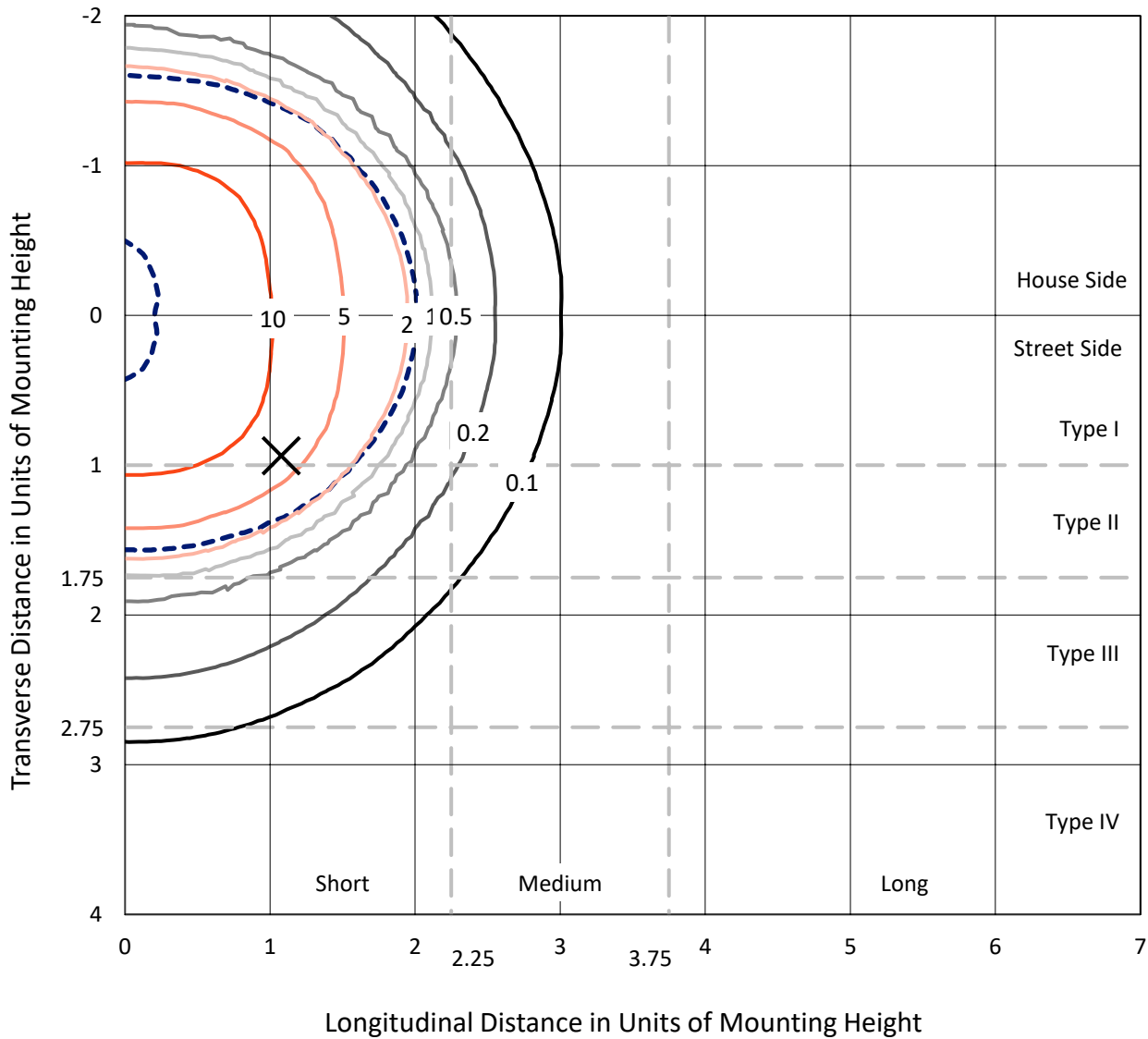
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634397
 CATALOG NUMBER: GWS-SA3B-760-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

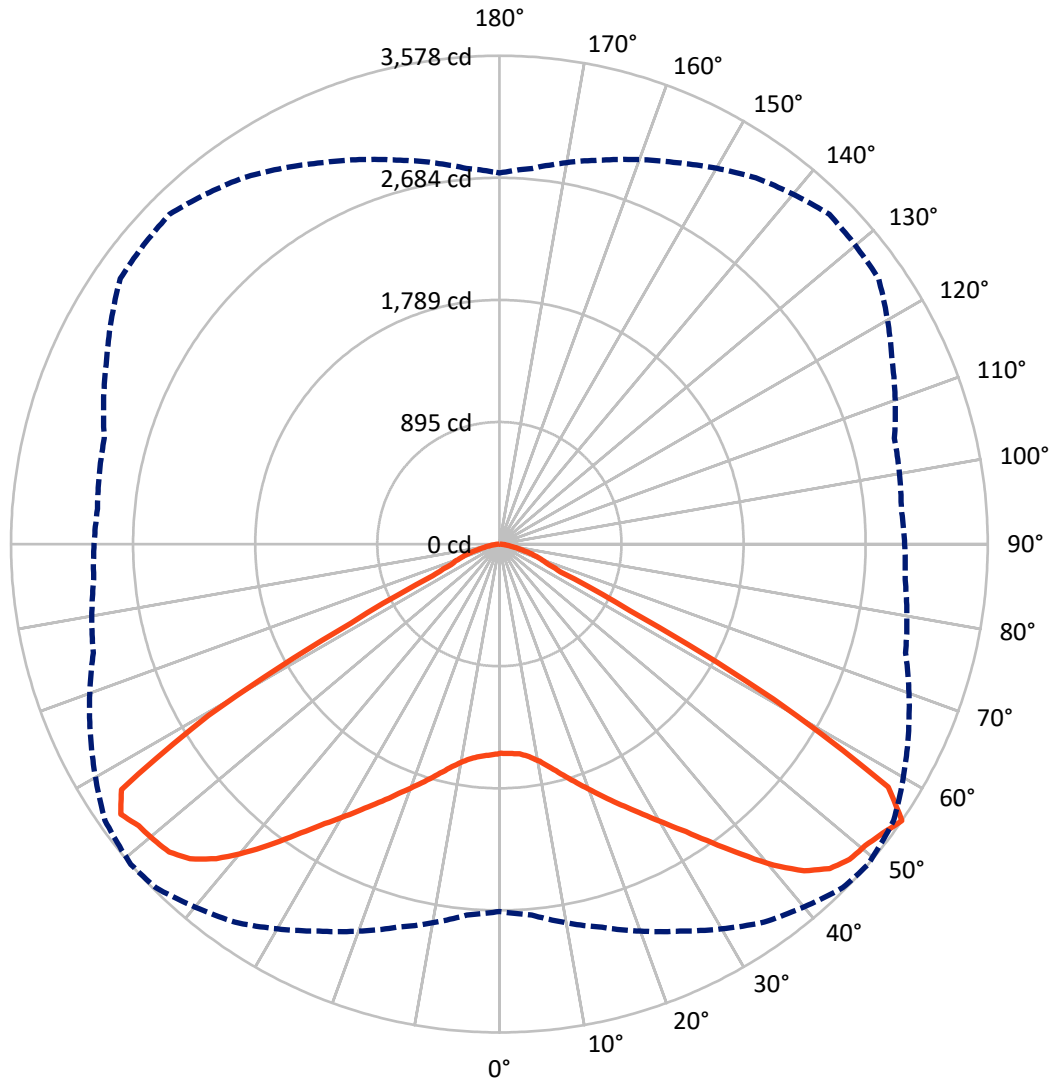
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17 fc
 Type V - Short - N/A

REPORT NUMBER: P634397
CATALOG NUMBER: GWS-SA3B-760-U-RW-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P634397

CATALOG NUMBER: GWS-SA3B-760-U-RW-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4580.0	0.0	4580.0
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	4670.8	0.0	4670.8
	% Fixture	50.5	0.0	50.5
Total	Lumens	9250.8	0.0	9250.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.5	1.6
10°-20°	493.1	5.3
20°-30°	939.2	10.2
30°-40°	1592.1	17.2
40°-50°	2396.0	25.9
50°-60°	2622.7	28.4
60°-70°	829.3	9.0
70°-80°	199.0	2.2
80°-90°	29.9	0.3
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°	9250.8	100.0
0°-180°	9250.8	100.0

Coefficient of Utilization



REPORT NUMBER: P634397

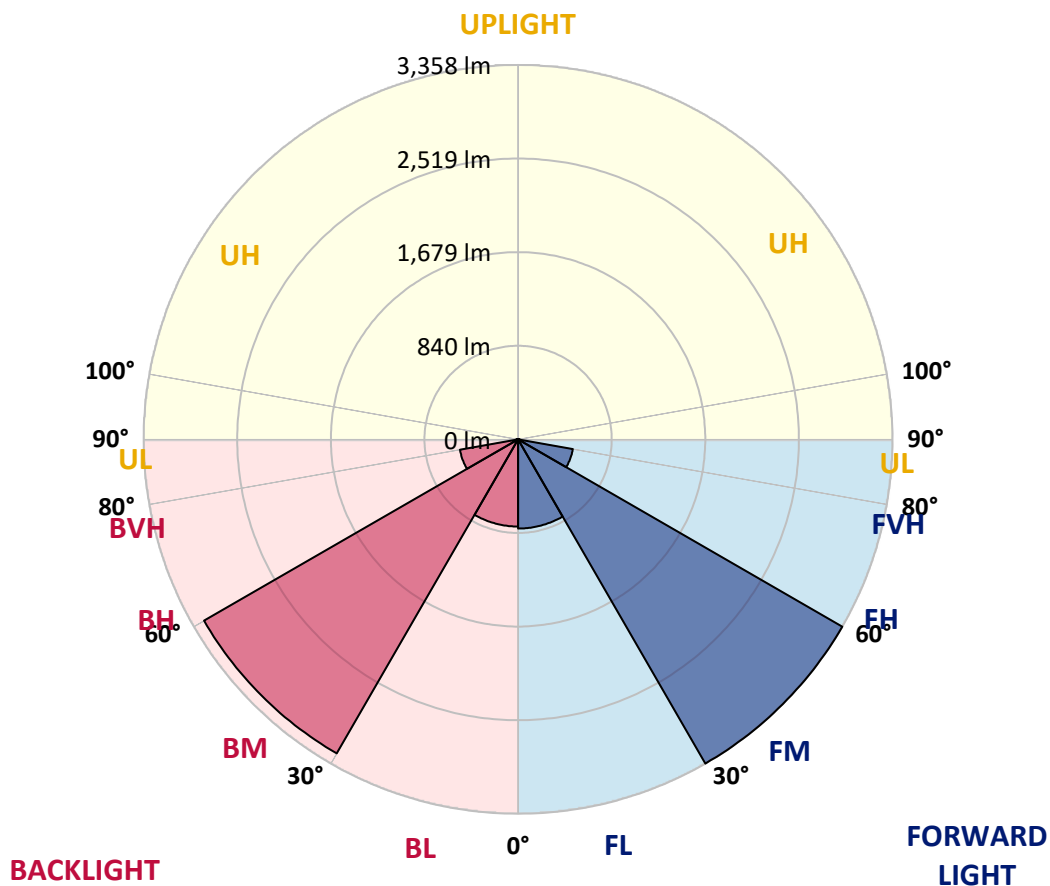
CATALOG NUMBER: GWS-SA3B-760-U-RW-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	799.8	8.6			
FM (30°-60°)	3358.3	36.3			
FH (60°-80°)	498.8	5.4			G0/660
FVH (80°-90°)	13.8	0.1			G1/100
BL (0°-30°)	781.9	8.5	B2/1000		
BM (30°-60°)	3252.5	35.2	B3/5000		
BH (60°-80°)	529.5	5.7	B2/1000		G0/660
BVH (80°-90°)	16.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P634397

CATALOG NUMBER: GWS-SA3B-760-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1532.5	1532.5	1532.5	1532.5	1532.5	1532.5	1532.5	1532.5	1532.5	1532.5	1532.5
2.5°	1509.9	1511.4	1514.4	1519.7	1524.9	1532.5	1535.5	1539.2	1538.5	1543.0	1543.0
5°	1502.4	1504.6	1509.1	1516.7	1525.7	1540.0	1543.7	1552.8	1561.8	1573.1	1576.8
7.5°	1511.4	1514.4	1519.7	1531.7	1545.2	1564.0	1571.6	1586.6	1603.9	1624.2	1632.5
10°	1528.7	1532.5	1541.5	1561.0	1582.9	1611.4	1618.2	1637.0	1664.9	1692.7	1709.2
12.5°	1548.2	1554.3	1570.8	1601.7	1634.0	1671.6	1682.2	1705.5	1735.6	1771.7	1794.3
15°	1570.8	1576.1	1601.7	1645.3	1695.7	1745.4	1757.4	1780.0	1813.8	1849.2	1880.8
17.5°	1618.2	1627.2	1657.3	1707.7	1766.4	1825.1	1838.6	1864.2	1891.3	1919.1	1949.2
20°	1682.9	1690.4	1728.8	1791.2	1860.5	1913.9	1927.4	1950.0	1962.8	1977.1	2002.6
22.5°	1747.6	1758.1	1801.8	1875.5	1956.8	2014.7	2025.2	2046.3	2037.2	2032.7	2049.3
25°	1828.1	1842.4	1885.3	1965.8	2048.5	2120.0	2128.3	2146.3	2131.3	2108.0	2107.2
27.5°	1928.2	1941.0	1985.3	2068.1	2150.1	2224.6	2240.4	2264.4	2231.3	2202.8	2182.4
30°	2047.0	2055.3	2104.2	2192.2	2276.5	2347.2	2367.5	2391.6	2366.8	2319.4	2299.1
32.5°	2185.5	2196.7	2253.2	2345.7	2420.9	2491.6	2512.0	2542.0	2515.0	2461.6	2436.0
35°	2351.7	2363.0	2422.4	2523.2	2600.0	2672.9	2687.2	2712.1	2678.2	2616.5	2596.2
37.5°	2532.3	2546.6	2621.8	2717.3	2797.8	2882.8	2883.6	2891.1	2843.0	2766.2	2743.7
40°	2735.4	2754.2	2829.4	2928.7	3025.8	3095.0	3094.2	3073.2	2991.9	2873.1	2838.5
42.5°	2936.3	2951.3	3027.3	3129.6	3226.6	3292.1	3272.5	3221.4	3104.0	2942.3	2896.4
45°	3081.5	3092.7	3172.5	3287.6	3386.1	3426.8	3391.4	3329.7	3171.0	2985.9	2918.2
47.5°	3149.9	3165.0	3245.5	3359.8	3471.1	3494.5	3452.3	3394.4	3210.1	3026.5	2935.5
50°	3113.0	3132.6	3223.6	3329.7	3455.4	3503.5	3473.4	3415.5	3251.5	3066.4	2966.3
52.5°	3017.5	3036.3	3151.4	3280.1	3422.2	3517.8	3517.0	3469.6	3298.9	3077.7	2967.9
55°	2691.0	2727.9	2906.9	3128.8	3381.6	3559.9	3578.0	3527.6	3306.4	3080.7	2983.7
57.5°	1751.4	1816.1	1986.1	2275.0	2782.0	3237.9	3359.8	3371.8	3252.2	3067.9	2986.7
60°	731.2	783.2	917.8	1109.7	1528.7	2071.1	2307.3	2544.3	2830.2	2934.0	2958.8
62.5°	454.4	458.9	472.4	516.1	656.0	920.8	1072.8	1294.7	1719.8	2081.6	2248.6
65°	410.0	412.3	415.3	412.3	419.0	451.4	492.0	569.5	742.5	922.3	1136.0
67.5°	361.1	364.1	366.4	364.1	366.4	367.9	372.4	379.2	410.8	436.3	455.9
70°	291.9	296.4	300.2	298.7	307.7	307.7	312.2	317.5	333.3	352.1	365.6
72.5°	222.7	218.9	223.4	224.9	233.2	237.7	244.5	250.5	268.6	279.9	297.2
75°	144.4	140.7	147.5	151.2	162.5	168.5	174.5	180.6	193.3	200.9	217.4
77.5°	78.2	77.5	84.3	89.5	101.6	109.1	113.6	118.1	128.6	130.9	141.4
80°	45.1	45.1	49.7	53.4	60.9	69.2	73.7	77.5	85.0	87.3	91.8
82.5°	24.8	24.8	27.1	29.3	35.4	39.9	43.6	46.6	53.4	55.7	57.9
85°	12.0	11.3	12.8	14.3	16.6	18.8	21.1	22.6	27.8	29.3	32.3
87.5°	1.5	1.5	1.5	2.3	3.0	4.5	5.3	5.3	8.3	9.8	11.3
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: P634397

CATALOG NUMBER: GWS-SA3B-760-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1532.5	1532.5	1532.5	1532.5	1532.5	1532.5	1532.5	1532.5	1532.5	1532.5	1532.5
2.5°	1547.5	1537.7	1543.7	1546.0	1546.0	1543.7	1534.0	1530.9	1526.4	1519.7	1519.7
5°	1582.1	1574.6	1576.1	1572.3	1563.3	1552.0	1534.0	1524.9	1517.4	1509.1	1508.4
7.5°	1641.5	1631.8	1630.3	1616.0	1591.9	1567.8	1540.7	1524.2	1512.9	1502.4	1501.6
10°	1719.0	1710.0	1698.7	1670.1	1634.8	1599.4	1562.5	1540.0	1523.4	1508.4	1507.6
12.5°	1805.5	1795.0	1773.9	1731.8	1687.4	1652.8	1610.7	1576.1	1551.3	1530.9	1527.2
15°	1899.6	1884.5	1848.4	1798.8	1755.1	1718.3	1673.1	1623.5	1585.9	1553.5	1549.8
17.5°	1971.8	1952.2	1913.1	1866.5	1830.4	1793.5	1734.8	1672.4	1618.2	1577.6	1571.6
20°	2021.5	2005.7	1961.3	1926.7	1905.6	1873.2	1804.8	1734.1	1673.1	1622.0	1619.0
22.5°	2067.3	2048.5	2004.9	1984.6	1984.6	1962.8	1897.3	1813.8	1742.3	1682.9	1675.4
25°	2119.3	2098.9	2065.8	2063.6	2074.1	2064.3	1985.3	1895.8	1812.3	1745.4	1733.3
27.5°	2191.5	2168.9	2149.3	2162.9	2177.9	2167.4	2079.4	1975.6	1887.5	1819.8	1809.3
30°	2306.6	2278.7	2260.7	2277.2	2306.6	2275.7	2180.2	2070.4	1981.6	1907.1	1901.8
32.5°	2440.5	2408.9	2390.1	2416.4	2442.7	2394.6	2299.8	2194.5	2101.2	2023.0	2013.9
35°	2601.5	2561.6	2533.8	2569.1	2596.2	2548.8	2454.8	2354.7	2250.9	2169.7	2157.6
37.5°	2744.4	2696.3	2677.5	2727.1	2763.2	2732.4	2630.1	2536.0	2422.4	2333.7	2328.4
40°	2848.2	2800.8	2787.3	2869.3	2932.5	2925.0	2833.2	2725.6	2618.8	2516.5	2506.7
42.5°	2893.4	2860.3	2863.3	2973.9	3071.7	3119.8	3037.8	2922.7	2819.6	2713.6	2706.8
45°	2903.2	2882.8	2906.9	3045.3	3174.0	3272.5	3202.6	3106.3	2989.7	2887.4	2884.3
47.5°	2913.7	2902.4	2939.3	3086.0	3238.7	3353.0	3313.9	3214.6	3096.5	2996.4	2988.9
50°	2938.5	2934.0	2975.4	3114.6	3269.5	3374.9	3330.5	3231.9	3110.8	3012.2	2994.2
52.5°	2946.0	2938.5	2997.9	3158.9	3320.7	3374.1	3278.6	3149.9	3028.0	2918.2	2899.4
55°	2969.4	2955.8	2996.4	3175.5	3391.4	3417.7	3275.5	3083.0	2912.9	2763.2	2718.8
57.5°	2975.4	2960.3	2986.7	3148.4	3314.7	3291.3	2879.1	2487.9	2167.4	2001.1	2019.9
60°	2943.0	2947.5	2902.4	2884.3	2658.7	2347.2	1762.7	1409.1	1106.6	978.8	1006.6
62.5°	2240.4	2259.2	2105.0	1830.4	1407.6	1115.7	738.0	573.3	485.2	462.7	466.4
65°	1130.7	1156.3	996.1	823.8	612.4	495.0	428.1	414.5	410.0	404.7	404.7
67.5°	447.6	455.1	449.1	420.5	391.2	380.7	377.7	376.2	370.9	367.9	368.6
70°	359.6	365.6	356.6	338.5	326.5	325.7	324.2	321.2	317.5	317.5	319.7
72.5°	293.4	299.4	286.6	275.3	266.3	259.5	255.8	253.5	248.3	248.3	250.5
75°	215.9	219.7	209.1	207.6	197.9	191.1	185.1	182.1	175.3	172.3	174.5
77.5°	143.7	142.9	137.7	137.7	133.9	125.6	118.9	112.1	103.1	97.0	98.6
80°	93.3	93.3	91.0	91.0	87.3	80.5	72.2	65.5	60.2	55.7	55.7
82.5°	59.4	58.7	57.9	57.2	55.7	48.9	42.9	38.4	34.6	31.6	32.3
85°	33.1	33.1	31.6	31.6	28.6	24.8	21.8	18.8	16.6	15.8	15.8
87.5°	11.3	11.3	10.5	10.5	9.0	6.8	5.3	4.5	3.8	3.0	3.8
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)