

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: P634342

Luminaire Tested: GWS-SA3B-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634342  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9379.4 lumens  
Efficiency: N/A  
Efficacy: 137.3 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

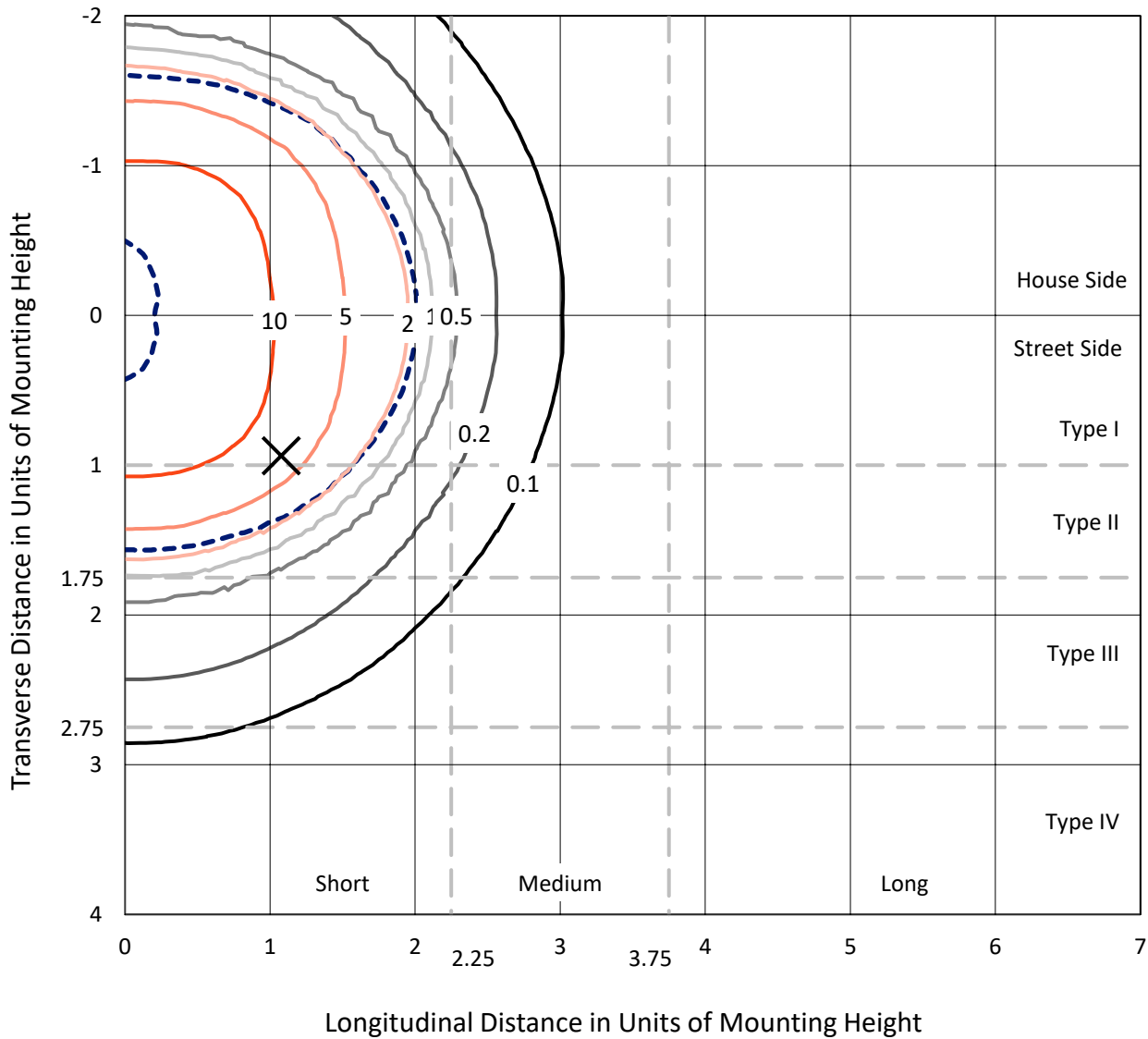


REPORT NUMBER: P634342

CATALOG NUMBER: GWS-SA3B-750-U-RW-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

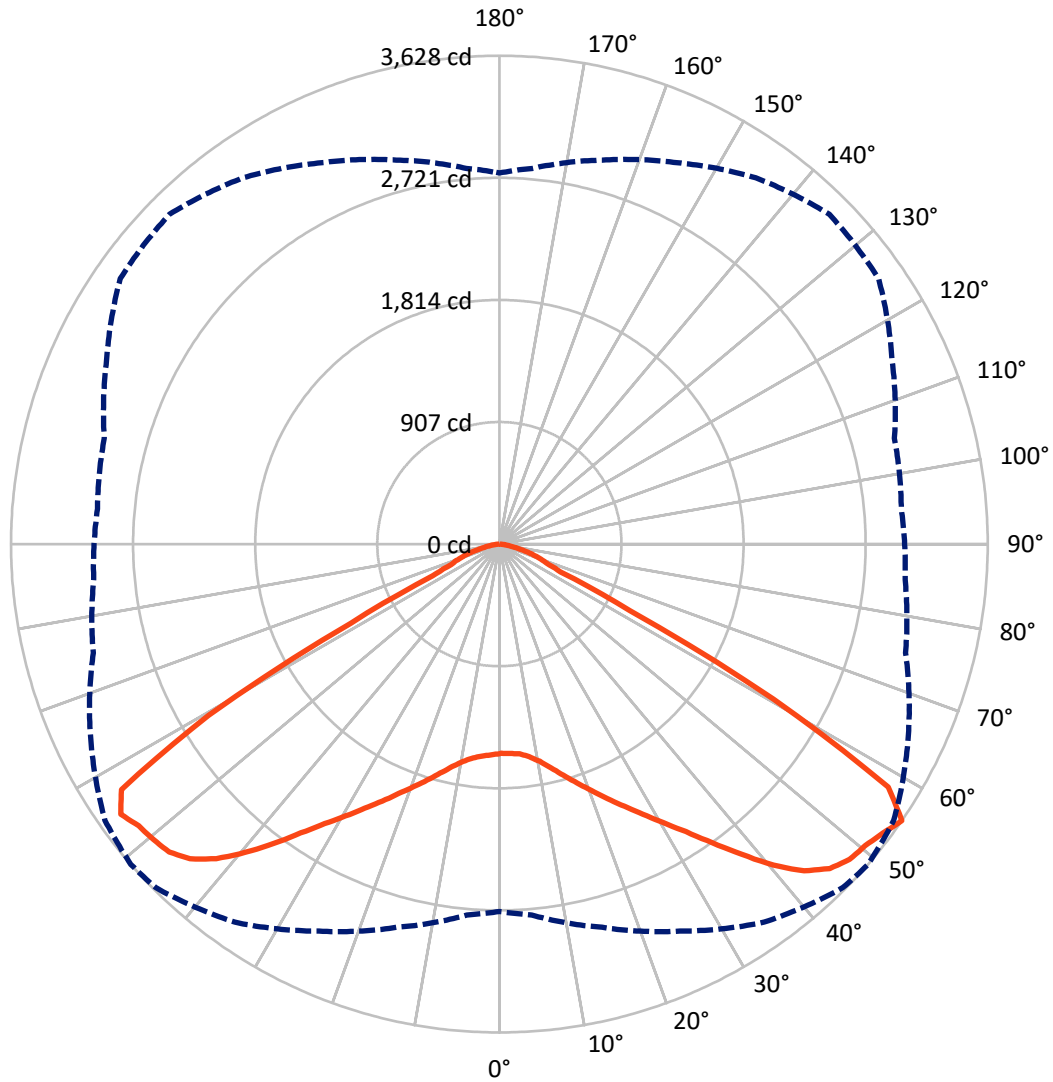
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P634342  
CATALOG NUMBER: GWS-SA3B-750-U-RW-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P634342

CATALOG NUMBER: GWS-SA3B-750-U-RW-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4643.7	0.0	4643.7
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	4735.7	0.0	4735.7
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	9379.4	0.0	9379.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.6	1.6
10°-20°	499.9	5.3
20°-30°	952.2	10.2
30°-40°	1614.3	17.2
40°-50°	2429.3	25.9
50°-60°	2659.1	28.4
60°-70°	840.8	9.0
70°-80°	201.8	2.2
80°-90°	30.3	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°	9379.4	100.0
0°-180°	9379.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P634342

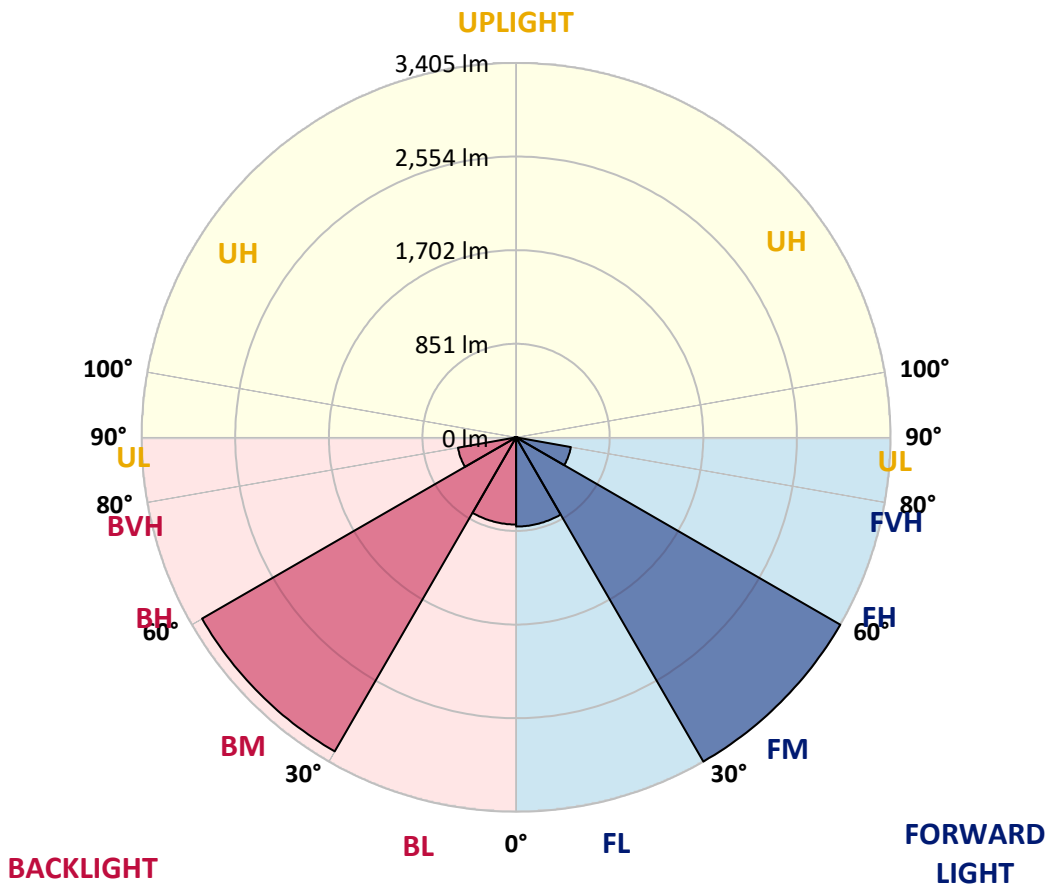
CATALOG NUMBER: GWS-SA3B-750-U-RW-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	810.9	8.6			
FM (30°-60°)	3405.0	36.3			
FH (60°-80°)	505.8	5.4			G0/660
FVH (80°-90°)	14.0	0.1			G1/100
BL (0°-30°)	792.8	8.5	B2/1000		
BM (30°-60°)	3297.7	35.2	B3/5000		
BH (60°-80°)	536.9	5.7	B2/1000		G0/660
BVH (80°-90°)	16.3	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: P634342

CATALOG NUMBER: GWS-SA3B-750-U-RW-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8
2.5°	1530.9	1532.4	1535.4	1540.8	1546.1	1553.8	1556.8	1560.6	1559.9	1564.4	1564.4
5°	1523.2	1525.5	1530.1	1537.7	1546.9	1561.4	1565.2	1574.3	1583.5	1594.9	1598.8
7.5°	1532.4	1535.4	1540.8	1553.0	1566.7	1585.8	1593.4	1608.7	1626.2	1646.8	1655.2
10°	1549.9	1553.8	1562.9	1582.7	1604.9	1633.8	1640.7	1659.8	1688.0	1716.2	1733.0
12.5°	1569.8	1575.9	1592.7	1623.9	1656.7	1694.9	1705.5	1729.2	1759.7	1796.3	1819.2
15°	1592.7	1598.0	1623.9	1668.2	1719.3	1769.6	1781.8	1804.7	1839.0	1874.9	1906.9
17.5°	1640.7	1649.9	1680.4	1731.5	1791.0	1850.5	1864.2	1890.1	1917.6	1945.8	1976.3
20°	1706.3	1713.9	1752.8	1816.1	1886.3	1940.5	1954.2	1977.1	1990.1	2004.5	2030.5
22.5°	1771.9	1782.6	1826.8	1901.6	1984.0	2042.7	2053.4	2074.7	2065.6	2061.0	2077.8
25°	1853.5	1868.0	1911.5	1993.1	2077.0	2149.5	2157.9	2176.2	2160.9	2137.3	2136.5
27.5°	1955.0	1967.9	2012.9	2096.8	2180.0	2255.5	2271.5	2295.9	2262.4	2233.4	2212.8
30°	2075.5	2083.9	2133.5	2222.7	2308.1	2379.8	2400.4	2424.8	2399.7	2351.6	2331.0
32.5°	2215.8	2227.3	2284.5	2378.3	2454.6	2526.3	2546.9	2577.4	2549.9	2495.8	2469.8
35°	2384.4	2395.8	2456.1	2558.3	2636.1	2710.1	2724.6	2749.8	2715.4	2652.9	2632.3
37.5°	2567.5	2582.0	2658.2	2755.1	2836.7	2922.9	2923.7	2931.3	2882.5	2804.7	2781.8
40°	2773.4	2792.5	2868.8	2969.4	3067.8	3138.0	3137.3	3115.9	3033.5	2913.0	2877.9
42.5°	2977.1	2992.3	3069.4	3173.1	3271.5	3337.9	3318.0	3266.2	3147.2	2983.2	2936.6
45°	3124.3	3135.7	3216.6	3333.3	3433.2	3474.4	3438.5	3376.0	3215.1	3027.4	2958.8
47.5°	3193.7	3209.0	3290.6	3406.5	3519.4	3543.0	3500.3	3441.6	3254.7	3068.6	2976.3
50°	3156.3	3176.2	3268.5	3376.0	3503.4	3552.2	3521.7	3463.0	3296.7	3109.0	3007.6
52.5°	3059.5	3078.5	3195.2	3325.7	3469.8	3566.7	3565.9	3517.9	3344.7	3120.5	3009.1
55°	2728.4	2765.8	2947.3	3172.3	3428.6	3609.4	3627.7	3576.6	3352.4	3123.5	3025.1
57.5°	1775.7	1841.3	2013.7	2306.6	2820.7	3282.9	3406.5	3418.7	3297.4	3110.6	3028.2
60°	741.4	794.0	930.6	1125.1	1549.9	2099.9	2339.4	2579.7	2869.5	2974.8	3000.0
62.5°	460.7	465.3	479.0	523.3	665.1	933.6	1087.7	1312.7	1743.7	2110.6	2279.9
65°	415.7	418.0	421.0	418.0	424.9	457.7	498.8	577.4	752.9	935.2	1151.8
67.5°	366.1	369.2	371.5	369.2	371.5	373.0	377.6	384.4	416.5	442.4	462.2
70°	296.0	300.5	304.3	302.8	312.0	312.0	316.5	321.9	337.9	357.0	370.7
72.5°	225.8	222.0	226.5	228.1	236.5	241.0	247.9	254.0	272.3	283.7	301.3
75°	146.5	142.6	149.5	153.3	164.8	170.9	177.0	183.1	196.0	203.7	220.4
77.5°	79.3	78.6	85.4	90.8	103.0	110.6	115.2	119.8	130.4	132.7	143.4
80°	45.8	45.8	50.3	54.2	61.8	70.2	74.8	78.6	86.2	88.5	93.1
82.5°	25.2	25.2	27.5	29.7	35.9	40.4	44.2	47.3	54.2	56.4	58.7
85°	12.2	11.4	13.0	14.5	16.8	19.1	21.4	22.9	28.2	29.7	32.8
87.5°	1.5	1.5	1.5	2.3	3.1	4.6	5.3	5.3	8.4	9.9	11.4
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: P634342

CATALOG NUMBER: GWS-SA3B-750-U-RW-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8
2.5°	1569.0	1559.1	1565.2	1567.5	1567.5	1565.2	1555.3	1552.2	1547.7	1540.8	1540.8
5°	1604.1	1596.5	1598.0	1594.2	1585.0	1573.6	1555.3	1546.1	1538.5	1530.1	1529.3
7.5°	1664.4	1654.4	1652.9	1638.4	1614.0	1589.6	1562.1	1545.4	1533.9	1523.2	1522.5
10°	1742.9	1733.8	1722.3	1693.3	1657.5	1621.6	1584.3	1561.4	1544.6	1529.3	1528.6
12.5°	1830.6	1820.0	1798.6	1755.9	1710.9	1675.8	1633.1	1598.0	1572.8	1552.2	1548.4
15°	1926.0	1910.7	1874.1	1823.8	1779.5	1742.2	1696.4	1646.0	1607.9	1575.1	1571.3
17.5°	1999.2	1979.4	1939.7	1892.4	1855.8	1818.4	1758.9	1695.6	1640.7	1599.5	1593.4
20°	2049.6	2033.5	1988.5	1953.4	1932.1	1899.3	1829.9	1758.2	1696.4	1644.5	1641.5
22.5°	2096.1	2077.0	2032.8	2012.2	2012.2	1990.1	1923.7	1839.0	1766.6	1706.3	1698.7
25°	2148.7	2128.1	2094.6	2092.3	2102.9	2093.0	2012.9	1922.2	1837.5	1769.6	1757.4
27.5°	2221.9	2199.1	2179.2	2193.0	2208.2	2197.5	2108.3	2003.0	1913.8	1845.1	1834.5
30°	2338.6	2310.4	2292.1	2308.9	2338.6	2307.4	2210.5	2099.1	2009.1	1933.6	1928.3
32.5°	2474.4	2442.4	2423.3	2450.0	2476.7	2427.9	2331.8	2225.0	2130.4	2051.1	2041.9
35°	2637.6	2597.2	2569.0	2604.8	2632.3	2584.3	2488.9	2387.5	2282.2	2199.8	2187.6
37.5°	2782.6	2733.8	2714.7	2765.0	2801.6	2770.4	2666.6	2571.3	2456.1	2366.1	2360.8
40°	2887.8	2839.8	2826.0	2909.2	2973.3	2965.6	2872.6	2763.5	2655.2	2551.5	2541.5
42.5°	2933.6	2900.0	2903.1	3015.2	3114.4	3163.2	3080.0	2963.3	2858.8	2751.3	2744.4
45°	2943.5	2922.9	2947.3	3087.7	3218.1	3318.0	3247.1	3149.5	3031.2	2927.5	2924.4
47.5°	2954.2	2942.8	2980.1	3128.9	3283.7	3399.6	3360.0	3259.3	3139.5	3038.1	3030.5
50°	2979.4	2974.8	3016.7	3157.9	3315.0	3421.8	3376.8	3276.8	3154.0	3054.1	3035.8
52.5°	2987.0	2979.4	3039.6	3202.9	3366.8	3421.0	3324.1	3193.7	3070.1	2958.8	2939.7
55°	3010.6	2996.9	3038.1	3219.6	3438.5	3465.2	3321.1	3125.8	2953.4	2801.6	2756.6
57.5°	3016.7	3001.5	3028.2	3192.2	3360.7	3337.1	2919.1	2522.5	2197.5	2029.0	2048.0
60°	2983.9	2988.5	2942.8	2924.4	2695.6	2379.8	1787.2	1428.7	1122.0	992.4	1020.6
62.5°	2271.5	2290.6	2134.2	1855.8	1427.1	1131.2	748.3	581.2	492.0	469.1	472.9
65°	1146.4	1172.4	1009.9	835.2	620.9	501.9	434.0	420.3	415.7	410.4	410.4
67.5°	453.8	461.5	455.4	426.4	396.6	386.0	382.9	381.4	376.0	373.0	373.8
70°	364.6	370.7	361.6	343.2	331.0	330.3	328.8	325.7	321.9	321.9	324.2
72.5°	297.5	303.6	290.6	279.2	270.0	263.2	259.3	257.1	251.7	251.7	254.0
75°	218.9	222.7	212.0	210.5	200.6	193.7	187.6	184.6	177.7	174.7	177.0
77.5°	145.7	144.9	139.6	139.6	135.8	127.4	120.5	113.7	104.5	98.4	99.9
80°	94.6	94.6	92.3	92.3	88.5	81.6	73.2	66.4	61.0	56.4	56.4
82.5°	60.3	59.5	58.7	58.0	56.4	49.6	43.5	38.9	35.1	32.0	32.8
85°	33.6	33.6	32.0	32.0	29.0	25.2	22.1	19.1	16.8	16.0	16.0
87.5°	11.4	11.4	10.7	10.7	9.2	6.9	5.3	4.6	3.8	3.1	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)