

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: P632417

Luminaire Tested: GWS-SA2C-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632417  
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-SA2C-760-U-RW-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8231.5 lumens  
Efficiency: N/A  
Efficacy: 130.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 63.2  
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

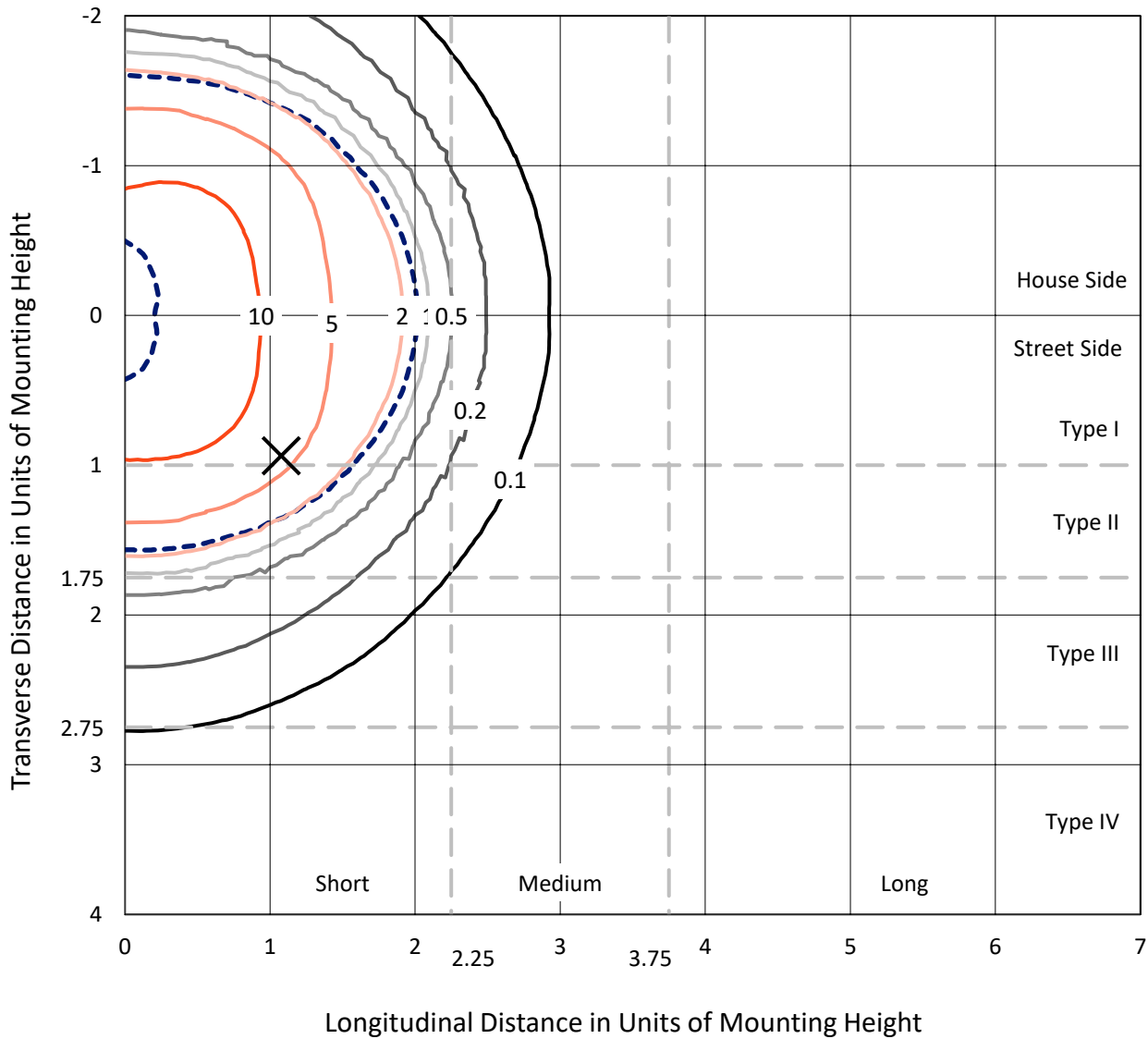


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### Iso-Footcandle Lines of Horizontal Illumination

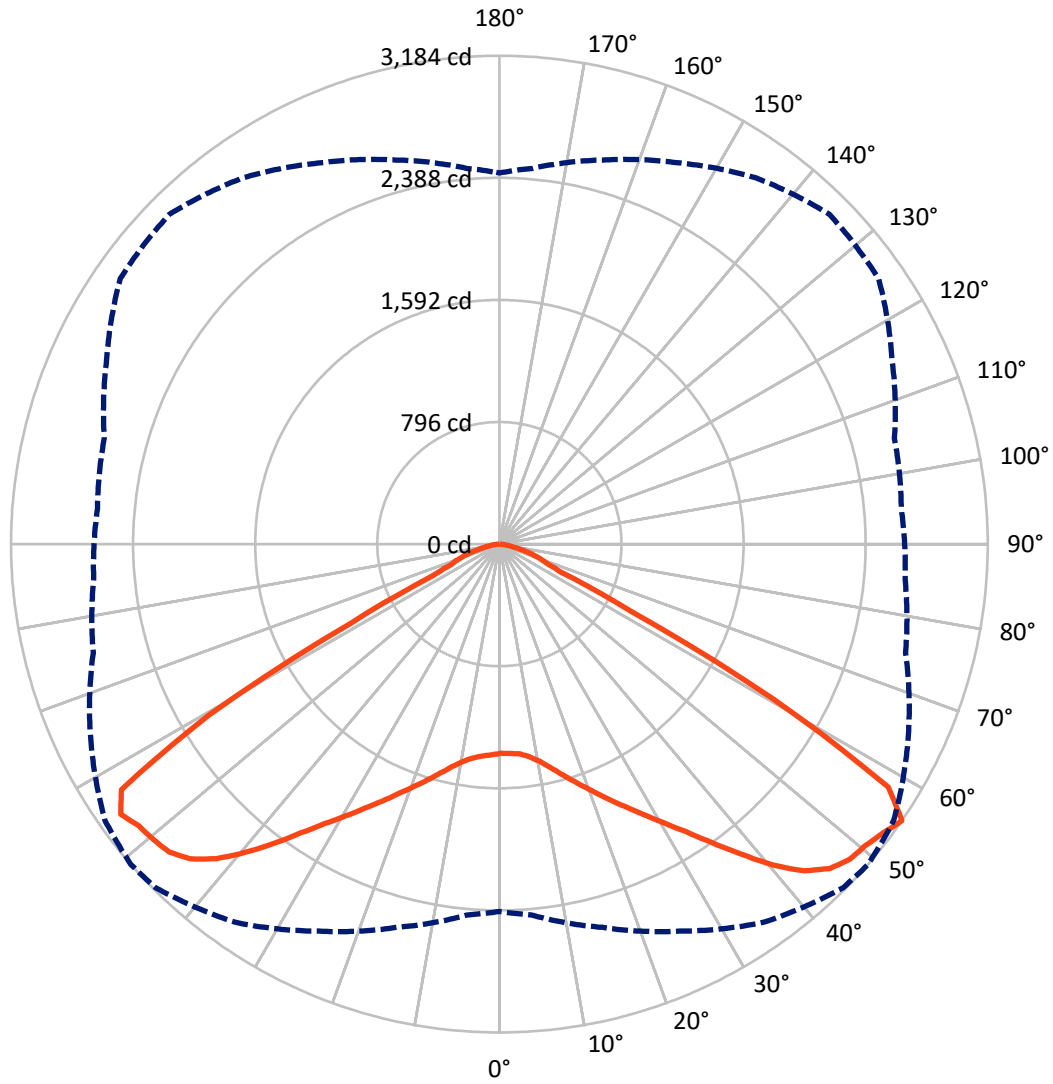
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4075.4	0.0	4075.4
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	4156.1	0.0	4156.1
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	8231.5	0.0	8231.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.0	1.6
10°-20°	438.8	5.3
20°-30°	835.7	10.2
30°-40°	1416.7	17.2
40°-50°	2132.0	25.9
50°-60°	2333.7	28.4
60°-70°	737.9	9.0
70°-80°	177.1	2.2
80°-90°	26.6	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°	8231.5	100.0
0°-180°	8231.5	100.0

**Coefficient of Utilization**



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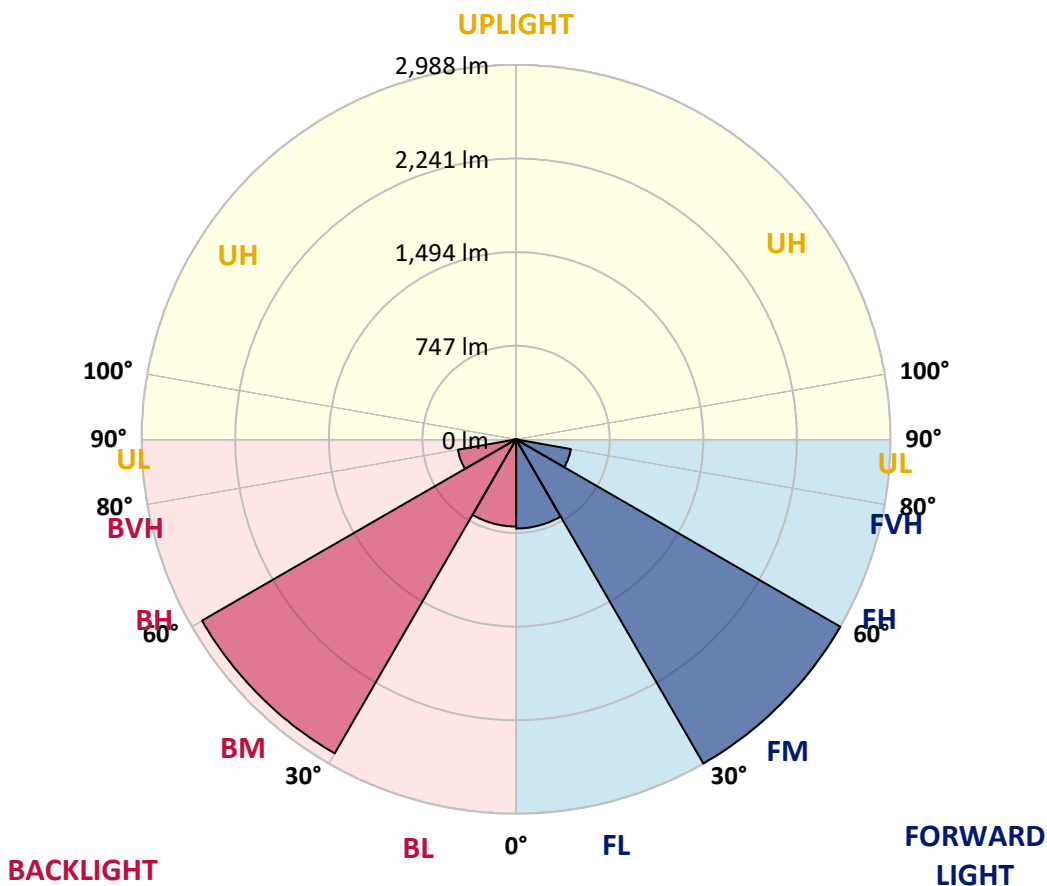
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	711.7	8.6			
FM (30°-60°)	2988.3	36.3			
FH (60°-80°)	443.9	5.4			G0/660
FVH (80°-90°)	12.3	0.1			G1/100
BL (0°-30°)	695.8	8.5	B2/1000		
BM (30°-60°)	2894.2	35.2	B3/5000		
BH (60°-80°)	471.2	5.7	B1/500		G0/660
BVH (80°-90°)	14.3	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1363.6	1363.6	1363.6	1363.6	1363.6	1363.6	1363.6	1363.6	1363.6	1363.6	1363.6
2.5°	1343.5	1344.9	1347.5	1352.2	1356.9	1363.6	1366.3	1369.6	1369.0	1373.0	1373.0
5°	1336.8	1338.8	1342.8	1349.5	1357.6	1370.3	1373.6	1381.7	1389.7	1399.7	1403.1
7.5°	1344.9	1347.5	1352.2	1362.9	1375.0	1391.7	1398.4	1411.8	1427.2	1445.3	1452.6
10°	1360.3	1363.6	1371.6	1389.0	1408.4	1433.9	1439.9	1456.6	1481.4	1506.2	1520.9
12.5°	1377.7	1383.0	1397.7	1425.2	1454.0	1487.4	1496.8	1517.6	1544.3	1576.5	1596.6
15°	1397.7	1402.4	1425.2	1464.0	1508.9	1553.0	1563.8	1583.8	1614.0	1645.4	1673.5
17.5°	1439.9	1447.9	1474.7	1519.6	1571.8	1624.0	1636.0	1658.8	1682.9	1707.7	1734.5
20°	1497.5	1504.2	1538.3	1593.9	1655.5	1703.0	1715.0	1735.1	1746.5	1759.2	1782.0
22.5°	1555.1	1564.4	1603.2	1668.9	1741.1	1792.7	1802.1	1820.8	1812.8	1808.8	1823.5
25°	1626.7	1639.4	1677.6	1749.2	1822.8	1886.4	1893.8	1909.8	1896.5	1875.7	1875.0
27.5°	1715.7	1727.1	1766.6	1840.2	1913.2	1979.5	1993.5	2014.9	1985.5	1960.0	1942.0
30°	1821.5	1828.8	1872.4	1950.7	2025.6	2088.6	2106.6	2128.1	2106.0	2063.8	2045.7
32.5°	1944.6	1954.7	2004.9	2087.2	2154.2	2217.1	2235.2	2262.0	2237.9	2190.3	2167.6
35°	2092.6	2102.6	2155.5	2245.2	2313.5	2378.4	2391.1	2413.2	2383.1	2328.2	2310.2
37.5°	2253.3	2266.0	2332.9	2417.9	2489.6	2565.2	2565.9	2572.6	2529.7	2461.4	2441.4
40°	2434.0	2450.7	2517.7	2606.0	2692.4	2754.0	2753.3	2734.6	2662.3	2556.5	2525.7
42.5°	2612.7	2626.1	2693.7	2784.8	2871.1	2929.4	2912.0	2866.4	2762.0	2618.1	2577.2
45°	2741.9	2752.0	2822.9	2925.3	3013.0	3049.2	3017.7	2962.8	2821.6	2656.9	2596.7
47.5°	2802.8	2816.2	2887.9	2989.6	3088.7	3109.4	3071.9	3020.4	2856.4	2693.1	2612.1
50°	2770.0	2787.4	2868.4	2962.8	3074.6	3117.5	3090.7	3039.1	2893.2	2728.5	2639.5
52.5°	2685.0	2701.8	2804.2	2918.6	3045.2	3130.2	3129.5	3087.3	2935.4	2738.6	2640.8
55°	2394.5	2427.3	2586.6	2784.1	3009.0	3167.7	3183.7	3138.9	2942.1	2741.3	2654.9
57.5°	1558.4	1616.0	1767.3	2024.3	2475.5	2881.2	2989.6	3000.3	2893.9	2729.9	2657.6
60°	650.7	696.9	816.7	987.4	1360.3	1842.9	2053.1	2264.0	2518.3	2610.7	2632.8
62.5°	404.3	408.3	420.4	459.2	583.7	819.4	954.6	1152.1	1530.3	1852.3	2000.9
65°	364.8	366.8	369.5	366.8	372.9	401.6	437.8	506.7	660.7	820.7	1010.8
67.5°	321.3	324.0	326.0	324.0	326.0	327.3	331.4	337.4	365.5	388.3	405.7
70°	259.7	263.7	267.1	265.8	273.8	273.8	277.8	282.5	296.6	313.3	325.3
72.5°	198.1	194.8	198.8	200.2	207.5	211.5	217.6	222.9	239.0	249.0	264.4
75°	128.5	125.2	131.2	134.6	144.6	149.9	155.3	160.7	172.0	178.7	193.5
77.5°	69.6	68.9	75.0	79.7	90.4	97.1	101.1	105.1	114.5	116.5	125.8
80°	40.2	40.2	44.2	47.5	54.2	61.6	65.6	68.9	75.6	77.7	81.7
82.5°	22.1	22.1	24.1	26.1	31.5	35.5	38.8	41.5	47.5	49.5	51.5
85°	10.7	10.0	11.4	12.7	14.7	16.7	18.7	20.1	24.8	26.1	28.8
87.5°	1.3	1.3	1.3	2.0	2.7	4.0	4.7	4.7	7.4	8.7	10.0
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°	1363.6	1363.6	1363.6	1363.6	1363.6	1363.6	1363.6	1363.6	1363.6	1363.6	1363.6
2.5°	1377.0	1368.3	1373.6	1375.6	1375.6	1373.6	1364.9	1362.3	1358.2	1352.2	1352.2
5°	1407.8	1401.1	1402.4	1399.1	1391.0	1381.0	1364.9	1356.9	1350.2	1342.8	1342.2
7.5°	1460.7	1452.0	1450.6	1437.9	1416.5	1395.1	1371.0	1356.2	1346.2	1336.8	1336.2
10°	1529.6	1521.6	1511.5	1486.1	1454.6	1423.2	1390.4	1370.3	1355.6	1342.2	1341.5
12.5°	1606.6	1597.2	1578.5	1541.0	1501.5	1470.7	1433.2	1402.4	1380.3	1362.3	1358.9
15°	1690.3	1676.9	1644.8	1600.6	1561.7	1528.9	1488.8	1444.6	1411.1	1382.3	1379.0
17.5°	1754.5	1737.1	1702.3	1660.8	1628.7	1595.9	1543.7	1488.1	1439.9	1403.8	1398.4
20°	1798.7	1784.7	1745.2	1714.4	1695.6	1666.8	1605.9	1543.0	1488.8	1443.3	1440.6
22.5°	1839.6	1822.8	1784.0	1765.9	1765.9	1746.5	1688.3	1614.0	1550.4	1497.5	1490.8
25°	1885.7	1867.7	1838.2	1836.2	1845.6	1836.9	1766.6	1686.9	1612.6	1553.0	1542.3
27.5°	1950.0	1929.9	1912.5	1924.6	1938.0	1928.6	1850.3	1757.9	1679.6	1619.3	1609.9
30°	2052.4	2027.7	2011.6	2026.3	2052.4	2025.0	1940.0	1842.2	1763.2	1697.0	1692.3
32.5°	2171.6	2143.5	2126.7	2150.2	2173.6	2130.7	2046.4	1952.7	1869.7	1800.1	1792.0
35°	2314.8	2279.4	2254.6	2286.1	2310.2	2268.0	2184.3	2095.3	2002.9	1930.6	1919.9
37.5°	2442.0	2399.2	2382.4	2426.6	2458.8	2431.3	2340.3	2256.6	2155.5	2076.5	2071.8
40°	2534.4	2492.2	2480.2	2553.1	2609.4	2602.7	2521.0	2425.3	2330.2	2239.2	2230.5
42.5°	2574.6	2545.1	2547.8	2646.2	2733.2	2776.1	2703.1	2600.7	2509.0	2414.6	2408.6
45°	2583.3	2565.2	2586.6	2709.8	2824.3	2912.0	2849.7	2764.0	2660.3	2569.2	2566.5
47.5°	2592.6	2582.6	2615.4	2745.9	2881.8	2983.6	2948.8	2860.4	2755.3	2666.3	2659.6
50°	2614.7	2610.7	2647.5	2771.4	2909.3	3003.0	2963.5	2875.8	2768.0	2680.3	2664.3
52.5°	2621.4	2614.7	2667.6	2810.9	2954.8	3002.3	2917.3	2802.8	2694.4	2596.7	2579.9
55°	2642.2	2630.1	2666.3	2825.6	3017.7	3041.2	2914.6	2743.3	2592.0	2458.8	2419.3
57.5°	2647.5	2634.1	2657.6	2801.5	2949.4	2928.7	2561.9	2213.8	1928.6	1780.6	1797.4
60°	2618.8	2622.8	2582.6	2566.5	2365.7	2088.6	1568.4	1253.8	984.7	870.9	895.7
62.5°	1993.5	2010.3	1873.0	1628.7	1252.5	992.7	656.7	510.1	431.8	411.7	415.0
65°	1006.1	1028.9	886.3	733.0	544.9	440.5	380.9	368.8	364.8	360.1	360.1
67.5°	398.3	405.0	399.6	374.2	348.1	338.7	336.0	334.7	330.0	327.3	328.0
70°	320.0	325.3	317.3	301.2	290.5	289.9	288.5	285.8	282.5	282.5	284.5
72.5°	261.1	266.4	255.0	245.0	237.0	230.9	227.6	225.6	220.9	220.9	222.9
75°	192.1	195.5	186.1	184.8	176.1	170.0	164.7	162.0	156.0	153.3	155.3
77.5°	127.9	127.2	122.5	122.5	119.2	111.8	105.8	99.7	91.7	86.4	87.7
80°	83.0	83.0	81.0	81.0	77.7	71.6	64.3	58.2	53.6	49.5	49.5
82.5°	52.9	52.2	51.5	50.9	49.5	43.5	38.2	34.1	30.8	28.1	28.8
85°	29.5	29.5	28.1	28.1	25.4	22.1	19.4	16.7	14.7	14.1	14.1
87.5°	10.0	10.0	9.4	9.4	8.0	6.0	4.7	4.0	3.3	2.7	3.3
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)