

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: P641956

Luminaire Tested: GWS-SA6B-830-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641956  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-830-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (96) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

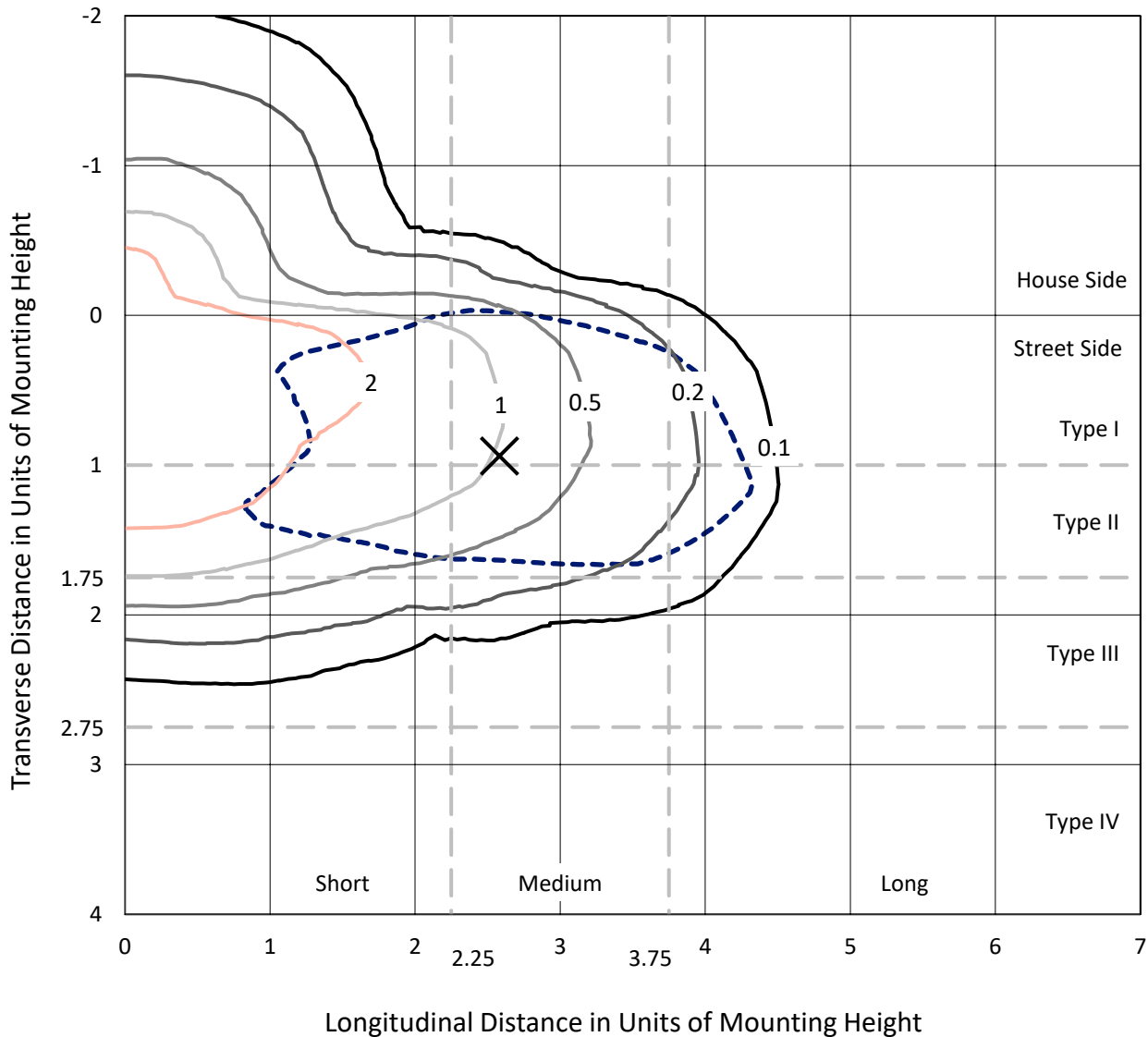
Lumens per Lamp: N/A  
Luminaire Lumens: 16687.2 lumens  
Efficiency: N/A  
Efficacy: 120.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): 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: P641956  
 CATALOG NUMBER: GWS-SA6B-830-U-T2-W

### Iso-Footcandle Lines of Horizontal Illumination

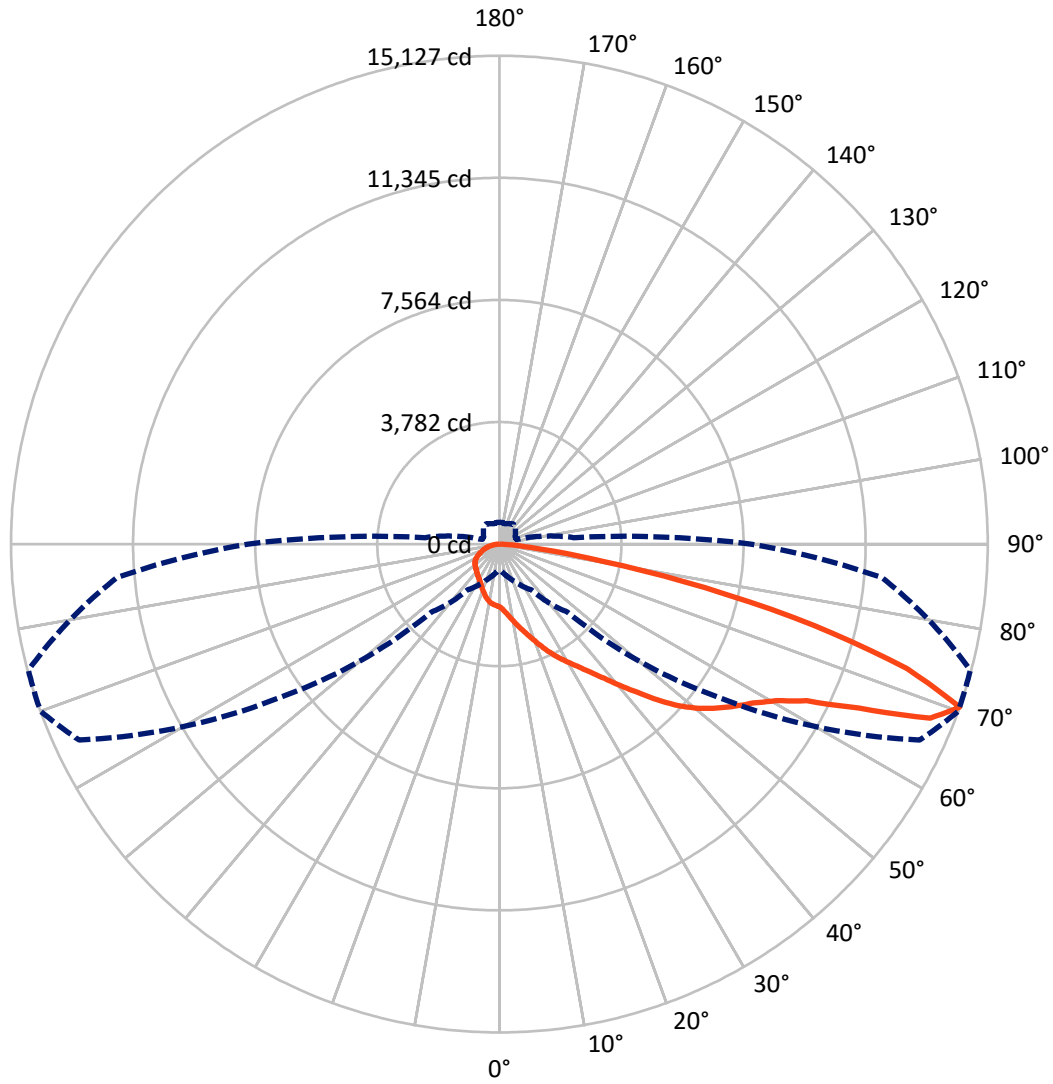
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type II - Medium - N/A

REPORT NUMBER: P641956  
CATALOG NUMBER: GWS-SA6B-830-U-T2-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P641956

CATALOG NUMBER: GWS-SA6B-830-U-T2-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2990.4	0.0	2990.4
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	13696.8	0.0	13696.8
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	16687.2	0.0	16687.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.8	1.2
10°-20°	643.4	3.9
20°-30°	1139.9	6.8
30°-40°	1715.5	10.3
40°-50°	2595.4	15.6
50°-60°	3718.0	22.3
60°-70°	4109.8	24.6
70°-80°	2319.3	13.9
80°-90°	248.1	1.5
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°	16687.2	100.0
0°-180°	16687.2	100.0

**Coefficient of Utilization**



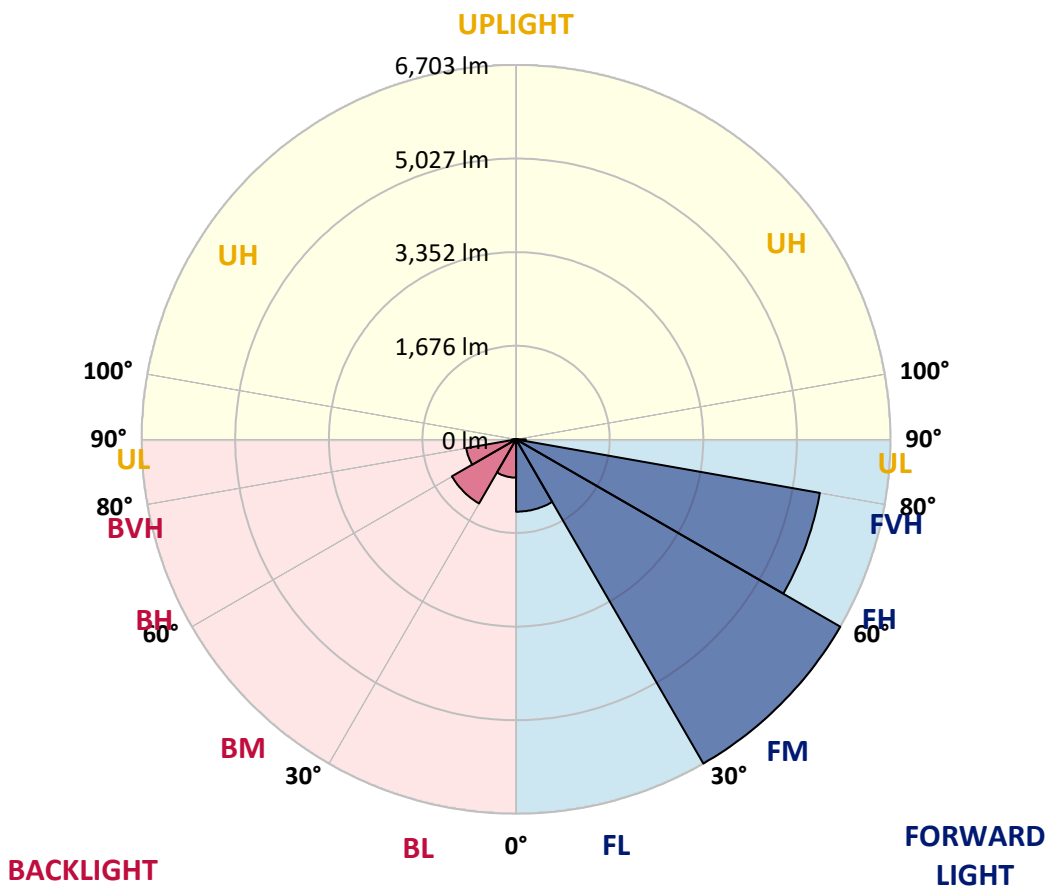
REPORT NUMBER: P641956

CATALOG NUMBER: GWS-SA6B-830-U-T2-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1295.4	7.8			
FM (30°-60°)	6703.2	40.2			
FH (60°-80°)	5522.8	33.1			G3/7500
FVH (80°-90°)	175.4	1.1			G2/225
BL (0°-30°)	685.7	4.1	B2/1000		
BM (30°-60°)	1325.7	7.9	B2/2500		
BH (60°-80°)	906.4	5.4	B2/1000		G2/1000
BVH (80°-90°)	72.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type II Medium





REPORT NUMBER: P641956

CATALOG NUMBER: GWS-SA6B-830-U-T2-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1
2.5°	2155.9	2152.3	2154.7	2152.3	2139.0	2106.4	2079.9	2046.1	2023.2	2010.0	1978.6
5°	2409.1	2405.5	2397.0	2385.0	2360.8	2316.2	2249.9	2176.4	2131.8	2098.0	2031.7
7.5°	2591.1	2591.1	2589.9	2575.5	2558.6	2511.6	2433.2	2336.7	2271.6	2213.7	2105.2
10°	2684.0	2690.0	2698.5	2719.0	2715.3	2690.0	2616.5	2512.8	2430.8	2363.3	2201.7
12.5°	2734.6	2738.2	2752.7	2794.9	2838.3	2844.4	2800.9	2692.4	2603.2	2512.8	2309.0
15°	2799.7	2800.9	2820.2	2870.9	2934.8	2998.7	2987.8	2879.3	2787.7	2687.6	2428.4
17.5°	2850.4	2858.8	2893.8	2952.9	3032.4	3120.5	3173.5	3106.0	2992.7	2878.1	2558.6
20°	2868.5	2874.5	2920.3	3010.7	3119.3	3243.5	3361.6	3343.5	3229.0	3093.9	2705.7
22.5°	2933.6	2933.6	2967.3	3043.3	3171.1	3352.0	3543.7	3590.7	3489.4	3331.5	2863.6
25°	3077.1	3072.2	3087.9	3119.3	3215.7	3438.8	3723.3	3864.4	3751.1	3573.8	3021.6
27.5°	3273.6	3271.2	3270.0	3274.8	3307.4	3514.7	3875.3	4120.0	4006.7	3806.5	3162.7
30°	3487.0	3479.8	3495.5	3481.0	3473.8	3605.2	4004.3	4349.1	4261.1	4036.8	3279.6
32.5°	3777.6	3764.3	3760.7	3713.7	3684.8	3746.3	4108.0	4609.6	4539.6	4285.2	3411.1
35°	4161.0	4149.0	4087.5	4012.7	3927.1	3956.1	4237.0	4864.0	4868.8	4596.3	3583.5
37.5°	4548.1	4550.5	4502.3	4326.2	4238.2	4221.3	4433.5	5173.9	5277.5	4967.7	3806.5
40°	4870.0	4884.5	4884.5	4698.8	4567.4	4551.7	4709.6	5541.6	5747.8	5423.4	4088.7
42.5°	5114.8	5128.0	5170.2	5036.4	4897.7	4952.0	5044.8	5910.6	6280.7	5986.5	4445.6
45°	5383.7	5394.5	5417.4	5340.2	5259.5	5404.2	5424.6	6351.9	6890.8	6618.3	4860.4
47.5°	5740.6	5730.9	5733.3	5676.6	5614.0	5847.9	5843.0	6723.2	7480.4	7310.4	5310.1
50°	6184.3	6202.4	6185.5	6073.3	5999.8	6213.2	6240.9	7134.4	7998.9	7995.3	5763.5
52.5°	6611.1	6618.3	6707.6	6712.4	6561.7	6517.1	6589.4	7549.2	8436.6	8622.3	6198.7
55°	6632.8	6660.5	6928.2	7121.1	7364.7	7006.6	6941.5	7944.7	8859.8	9236.0	6650.9
57.5°	6171.0	6215.6	6670.2	7086.2	7763.8	7847.0	7544.3	8455.9	9283.0	9840.1	7174.2
60°	5184.7	5277.5	5894.9	6531.5	7584.1	8451.1	8777.8	9150.4	9838.9	10457.4	7809.6
62.5°	3311.0	3347.1	4212.9	5278.8	6775.1	8392.0	10121.0	10374.2	10685.3	11261.7	8788.7
65°	1657.9	1773.7	2281.3	3150.6	4885.7	7394.8	10799.9	12615.7	12234.7	12638.6	10375.4
67.5°	1125.0	1162.3	1419.2	1893.0	2864.9	5239.0	10379.1	14503.9	14391.8	14458.1	12067.1
70°	829.6	853.7	1056.2	1340.8	1732.7	2974.6	8263.0	14361.6	15127.3	15103.2	11889.9
72.5°	605.3	617.3	770.5	1023.7	1284.1	1538.5	5046.0	11601.7	13205.3	13901.0	10398.3
75°	440.1	454.6	535.4	765.6	998.4	959.8	2491.1	8379.9	10070.4	11408.8	8471.6
77.5°	328.0	346.0	383.4	479.9	699.3	687.3	1076.7	5441.5	6513.4	7451.5	5146.1
80°	236.3	239.9	261.6	307.5	443.7	402.7	512.4	2837.1	3253.1	3564.2	2017.2
82.5°	143.5	147.1	174.8	189.3	274.9	253.2	266.5	918.8	1316.7	1397.5	753.6
85°	42.2	44.6	79.6	86.8	114.5	108.5	107.3	373.8	446.1	570.3	296.6
87.5°	0.0	0.0	0.0	0.0	1.2	7.2	13.3	66.3	100.1	138.7	72.3
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: P641956  
 CATALOG NUMBER: GWS-SA6B-830-U-T2-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1
2.5°	1966.6	1938.8	1924.4	1899.0	1881.0	1862.9	1844.8	1827.9	1820.7	1809.8	1812.2
5°	2001.5	1958.1	1914.7	1865.3	1823.1	1788.1	1756.8	1729.0	1717.0	1706.1	1711.0
7.5°	2054.6	1989.5	1906.3	1815.9	1749.5	1701.3	1668.8	1649.5	1643.4	1635.0	1635.0
10°	2122.1	2024.4	1878.6	1749.5	1670.0	1631.4	1616.9	1615.7	1621.7	1622.9	1620.5
12.5°	2196.9	2058.2	1837.6	1671.2	1603.6	1591.6	1602.4	1622.9	1643.4	1654.3	1651.9
15°	2274.0	2079.9	1767.6	1596.4	1555.4	1571.1	1606.1	1647.0	1686.8	1707.3	1706.1
17.5°	2346.4	2084.7	1677.2	1524.1	1513.2	1553.0	1613.3	1677.2	1731.5	1760.4	1761.6
20°	2427.2	2076.3	1584.3	1459.0	1471.0	1536.1	1615.7	1692.9	1756.8	1785.7	1792.9
22.5°	2500.7	2047.4	1493.9	1397.5	1434.8	1515.6	1596.4	1668.8	1725.4	1753.2	1762.8
25°	2567.0	1991.9	1395.0	1345.6	1407.1	1486.7	1548.2	1598.8	1638.6	1655.5	1668.8
27.5°	2603.2	1908.7	1320.3	1304.6	1380.6	1445.7	1479.4	1495.1	1508.4	1503.6	1513.2
30°	2610.4	1805.0	1255.2	1272.1	1340.8	1389.0	1396.3	1380.6	1357.7	1320.3	1328.7
32.5°	2603.2	1685.6	1200.9	1237.1	1296.2	1325.1	1315.5	1274.5	1219.0	1161.1	1164.8
35°	2605.6	1565.1	1156.3	1198.5	1244.3	1260.0	1235.9	1179.2	1120.1	1067.1	1064.7
37.5°	2632.1	1463.8	1118.9	1161.1	1193.7	1196.1	1169.6	1110.5	1080.3	1040.6	1035.7
40°	2705.7	1389.0	1085.2	1123.8	1144.3	1143.0	1112.9	1070.7	1091.2	1077.9	1074.3
42.5°	2826.3	1343.2	1057.4	1084.0	1098.4	1100.8	1076.7	1050.2	1094.8	1077.9	1071.9
45°	3020.4	1340.8	1038.1	1044.2	1067.1	1084.0	1067.1	1036.9	1053.8	971.8	956.2
47.5°	3250.7	1381.8	1023.7	1009.2	1049.0	1079.1	1052.6	1004.4	969.4	894.7	883.8
50°	3528.0	1465.0	1010.4	971.8	1022.5	1061.1	1034.5	968.2	915.2	875.4	869.3
52.5°	3857.2	1574.7	993.5	929.6	982.7	1051.4	1034.5	964.6	894.7	858.5	852.5
55°	4202.0	1701.3	974.2	879.0	938.1	1053.8	1043.0	939.3	879.0	859.7	854.9
57.5°	4630.1	1853.2	939.3	819.9	898.3	1032.1	1009.2	924.8	868.1	852.5	847.6
60°	5185.9	2078.7	873.0	759.6	852.5	993.5	979.1	900.7	839.2	825.9	822.3
62.5°	6066.1	2460.9	792.2	701.7	798.2	912.7	934.5	854.9	803.0	801.8	800.6
65°	7500.9	2920.3	696.9	649.9	741.5	846.4	875.4	807.8	765.6	778.9	777.7
67.5°	8506.5	2960.1	618.5	595.6	675.2	774.1	816.3	759.6	713.8	739.1	737.9
70°	7791.5	2309.0	551.0	539.0	604.1	695.7	752.4	699.3	653.5	677.6	672.8
72.5°	6571.3	1770.0	487.1	479.9	531.7	613.7	670.4	639.0	590.8	590.8	580.0
75°	5281.2	1460.2	419.6	416.0	450.9	530.5	594.4	541.4	496.8	494.4	487.1
77.5°	3028.8	957.4	352.1	349.7	360.5	443.7	461.8	450.9	417.2	401.5	396.7
80°	1207.0	498.0	277.3	261.6	272.5	325.6	364.1	346.0	317.1	297.8	287.0
82.5°	467.8	249.6	195.3	171.2	186.9	235.1	264.1	258.0	238.7	195.3	183.3
85°	190.5	121.8	117.0	98.9	108.5	126.6	151.9	131.4	108.5	77.2	73.6
87.5°	50.6	44.6	43.4	26.5	20.5	6.0	1.2	0.0	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)