

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: P634256

Luminaire Tested: GWS-SA3B-735-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634256  
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-SA3B-735-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

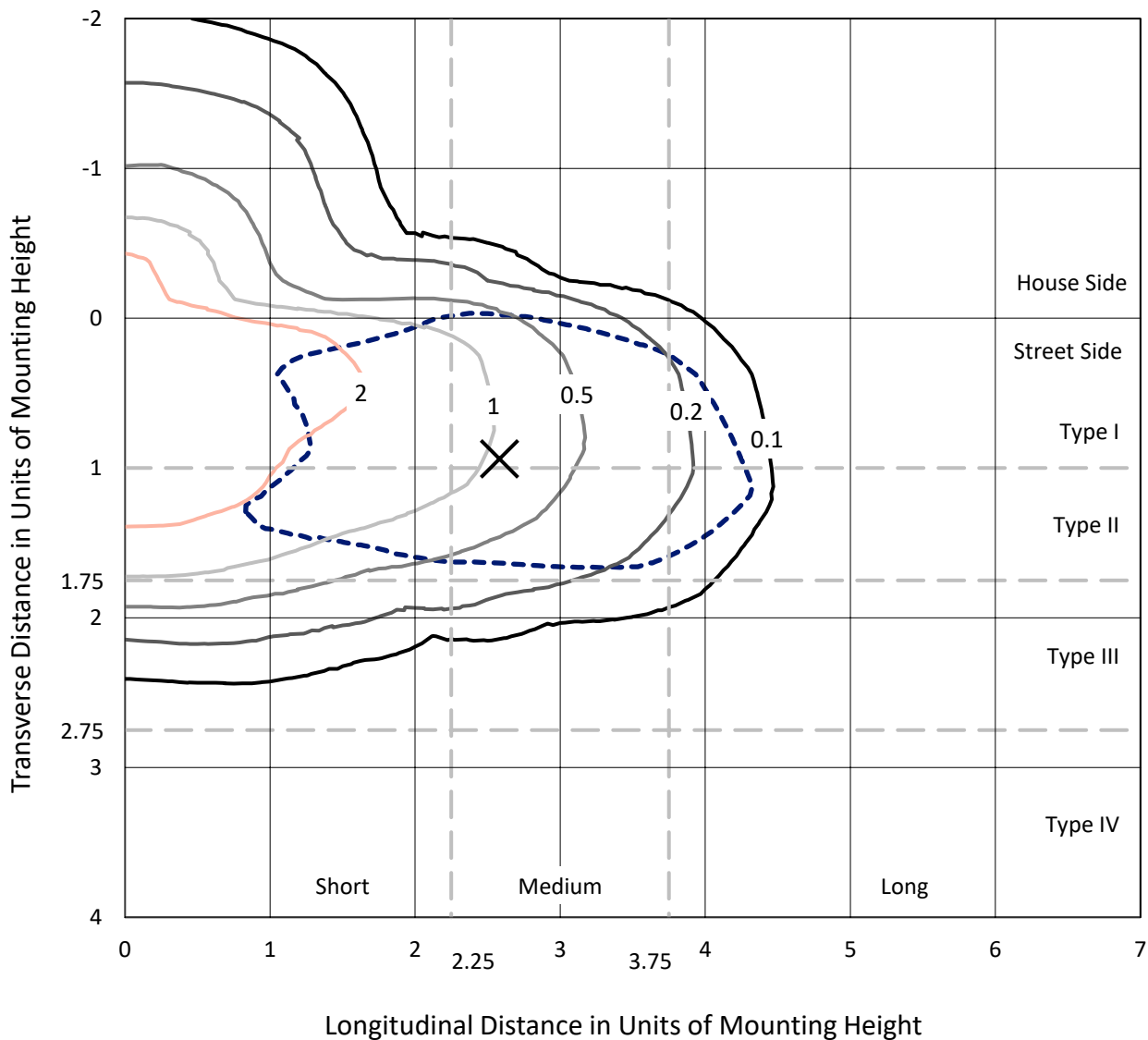
Lumens per Lamp: N/A  
Luminaire Lumens: 10178.4 lumens  
Efficiency: N/A  
Efficacy: 149.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P634256  
 CATALOG NUMBER: GWS-SA3B-735-U-T2-W

### Iso-Footcandle Lines of Horizontal Illumination

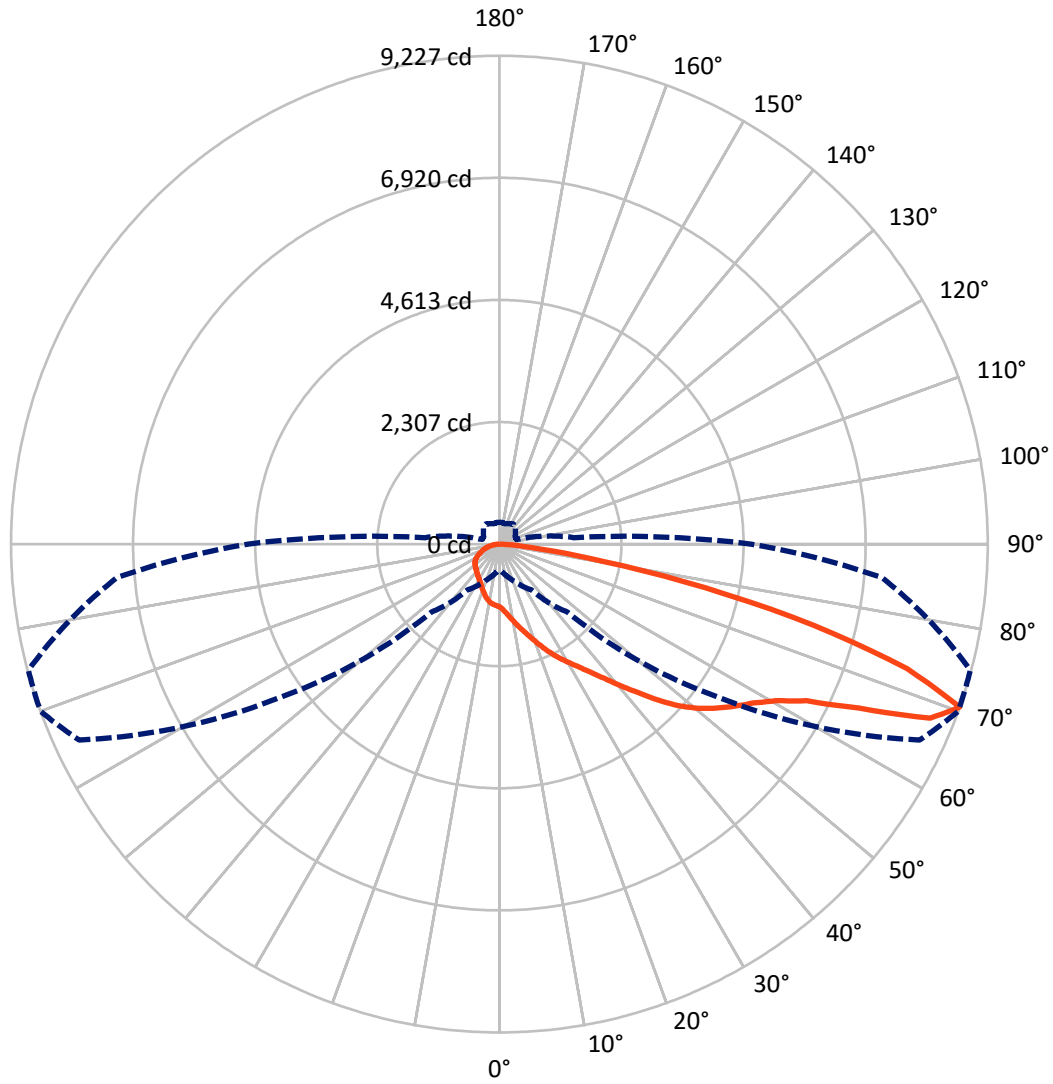
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc  
 Type II - Medium - N/A

REPORT NUMBER: P634256  
CATALOG NUMBER: GWS-SA3B-735-U-T2-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P634256

CATALOG NUMBER: GWS-SA3B-735-U-T2-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1824.0	0.0	1824.0
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	8354.4	0.0	8354.4
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	10178.4	0.0	10178.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.6	1.2
10°-20°	392.5	3.9
20°-30°	695.3	6.8
30°-40°	1046.4	10.3
40°-50°	1583.1	15.6
50°-60°	2267.8	22.3
60°-70°	2506.8	24.6
70°-80°	1414.7	13.9
80°-90°	151.3	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°	10178.4	100.0
0°-180°	10178.4	100.0

**Coefficient of Utilization**



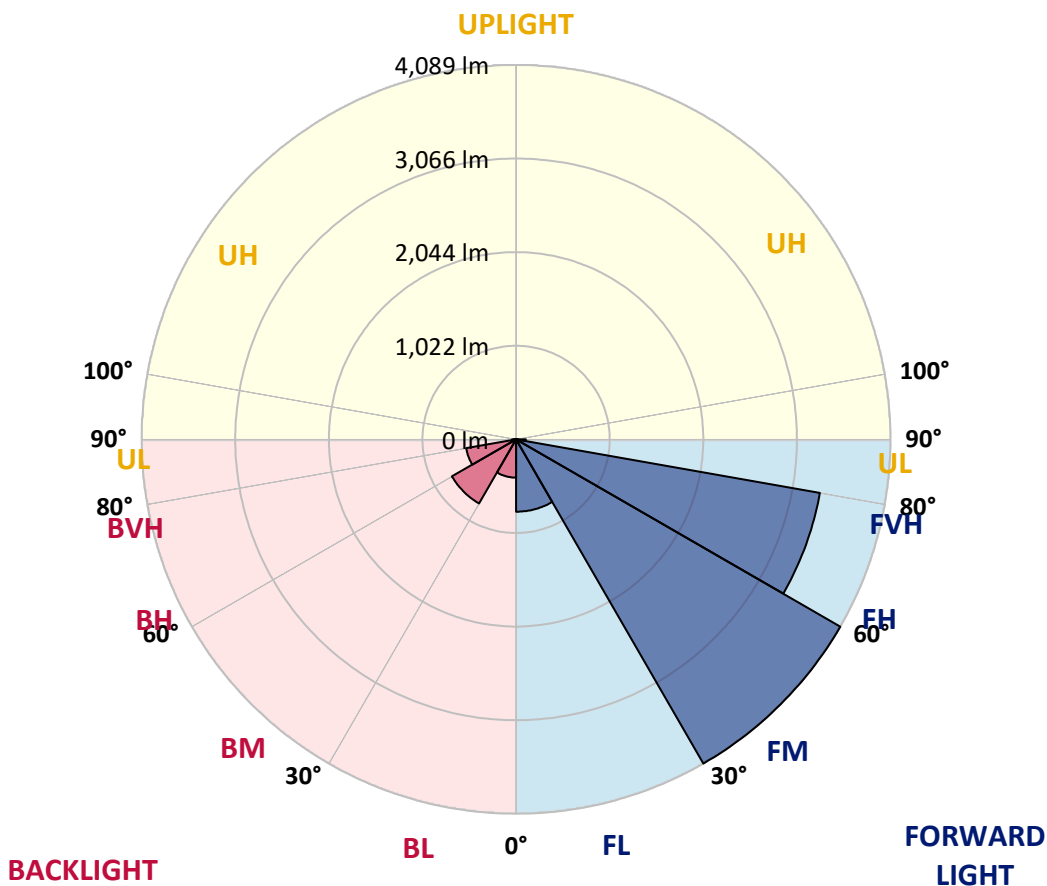
REPORT NUMBER: P634256

CATALOG NUMBER: GWS-SA3B-735-U-T2-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	790.2	7.8			
FM (30°-60°)	4088.7	40.2			
FH (60°-80°)	3368.6	33.1			G2/5000
FVH (80°-90°)	107.0	1.1			G2/225
BL (0°-30°)	418.2	4.1	B1/500		
BM (30°-60°)	808.6	7.9	B1/1000		
BH (60°-80°)	552.8	5.4	B2/1000		G2/1000
BVH (80°-90°)	44.4	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-G2**  
 Type II Medium





REPORT NUMBER: P634256  
 CATALOG NUMBER: GWS-SA3B-735-U-T2-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1187.0	1187.0	1187.0	1187.0	1187.0	1187.0	1187.0	1187.0	1187.0	1187.0	1187.0
2.5°	1315.0	1312.8	1314.2	1312.8	1304.7	1284.8	1268.6	1248.1	1234.1	1226.0	1206.9
5°	1469.4	1467.2	1462.1	1454.7	1440.0	1412.8	1372.3	1327.5	1300.3	1279.7	1239.2
7.5°	1580.5	1580.5	1579.7	1570.9	1560.6	1531.9	1484.1	1425.3	1385.6	1350.3	1284.1
10°	1637.1	1640.8	1645.9	1658.4	1656.2	1640.8	1595.9	1532.7	1482.7	1441.5	1342.9
12.5°	1668.0	1670.2	1679.0	1704.8	1731.2	1734.9	1708.4	1642.3	1587.8	1532.7	1408.4
15°	1707.7	1708.4	1720.2	1751.1	1790.1	1829.1	1822.4	1756.2	1700.4	1639.3	1481.2
17.5°	1738.6	1743.7	1765.1	1801.1	1849.7	1903.3	1935.7	1894.5	1825.4	1755.5	1560.6
20°	1749.6	1753.3	1781.3	1836.4	1902.6	1978.4	2050.4	2039.4	1969.5	1887.2	1650.3
22.5°	1789.3	1789.3	1809.9	1856.3	1934.2	2044.5	2161.5	2190.2	2128.4	2032.0	1746.7
25°	1876.9	1873.9	1883.5	1902.6	1961.4	2097.5	2271.1	2357.1	2288.0	2179.9	1843.0
27.5°	1996.7	1995.3	1994.5	1997.5	2017.3	2143.8	2363.7	2513.0	2443.9	2321.8	1929.1
30°	2126.9	2122.5	2132.1	2123.2	2118.8	2199.0	2442.4	2652.8	2599.1	2462.3	2000.4
32.5°	2304.2	2296.1	2293.9	2265.2	2247.5	2285.0	2505.7	2811.6	2769.0	2613.8	2080.6
35°	2538.0	2530.7	2493.2	2447.6	2395.4	2413.0	2584.4	2966.8	2969.7	2803.5	2185.7
37.5°	2774.1	2775.6	2746.2	2638.8	2585.1	2574.8	2704.2	3155.8	3219.1	3030.0	2321.8
40°	2970.5	2979.3	2979.3	2866.0	2785.9	2776.3	2872.7	3380.1	3505.9	3308.0	2493.9
42.5°	3119.8	3127.9	3153.6	3072.0	2987.4	3020.5	3077.1	3605.2	3830.9	3651.5	2711.6
45°	3283.8	3290.4	3304.4	3257.3	3208.0	3296.3	3308.8	3874.3	4203.1	4036.9	2964.6
47.5°	3501.5	3495.6	3497.1	3462.5	3424.2	3566.9	3564.0	4100.9	4562.7	4459.0	3238.9
50°	3772.1	3783.1	3772.8	3704.4	3659.6	3789.8	3806.7	4351.6	4879.0	4876.8	3515.4
52.5°	4032.5	4036.9	4091.3	4094.2	4002.3	3975.1	4019.2	4604.6	5145.9	5259.2	3780.9
55°	4045.7	4062.6	4225.9	4343.6	4492.1	4273.7	4234.0	4845.9	5404.1	5633.5	4056.7
57.5°	3764.0	3791.2	4068.5	4322.2	4735.5	4786.3	4601.7	5157.7	5662.2	6002.0	4375.9
60°	3162.4	3219.1	3595.6	3983.9	4626.0	5154.8	5354.1	5581.3	6001.3	6378.5	4763.5
62.5°	2019.5	2041.6	2569.7	3219.8	4132.5	5118.7	6173.3	6327.8	6517.5	6869.1	5360.7
65°	1011.2	1081.8	1391.5	1921.7	2980.0	4510.5	6587.4	7695.0	7462.6	7709.0	6328.5
67.5°	686.2	709.0	865.6	1154.7	1747.4	3195.5	6330.7	8846.7	8778.3	8818.8	7360.4
70°	506.0	520.7	644.3	817.8	1056.8	1814.3	5040.0	8759.9	9226.9	9212.2	7252.2
72.5°	369.2	376.5	470.0	624.4	783.3	938.4	3077.8	7076.5	8054.6	8479.0	6342.5
75°	268.4	277.3	326.5	467.0	609.0	585.4	1519.4	5111.4	6142.5	6958.8	5167.3
77.5°	200.0	211.1	233.9	292.7	426.6	419.2	656.8	3319.1	3972.9	4545.1	3138.9
80°	144.1	146.4	159.6	187.5	270.6	245.6	312.6	1730.5	1984.2	2174.0	1230.4
82.5°	87.5	89.7	106.6	115.5	167.7	154.4	162.5	560.4	803.1	852.4	459.7
85°	25.7	27.2	48.5	53.0	69.9	66.2	65.5	228.0	272.1	347.9	180.9
87.5°	0.0	0.0	0.0	0.0	0.7	4.4	8.1	40.4	61.0	84.6	44.1
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: P634256  
 CATALOG NUMBER: GWS-SA3B-735-U-T2-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1187.0	1187.0	1187.0	1187.0	1187.0	1187.0	1187.0	1187.0	1187.0	1187.0	1187.0
2.5°	1199.5	1182.6	1173.8	1158.3	1147.3	1136.3	1125.2	1114.9	1110.5	1103.9	1105.4
5°	1220.8	1194.4	1167.9	1137.7	1112.0	1090.7	1071.5	1054.6	1047.3	1040.7	1043.6
7.5°	1253.2	1213.5	1162.7	1107.6	1067.1	1037.7	1017.9	1006.1	1002.4	997.3	997.3
10°	1294.4	1234.8	1145.8	1067.1	1018.6	995.1	986.2	985.5	989.2	989.9	988.4
12.5°	1340.0	1255.4	1120.8	1019.3	978.1	970.8	977.4	989.9	1002.4	1009.0	1007.6
15°	1387.1	1268.6	1078.2	973.7	948.7	958.3	979.6	1004.6	1028.9	1041.4	1040.7
17.5°	1431.2	1271.6	1023.0	929.6	923.0	947.3	984.0	1023.0	1056.1	1073.8	1074.5
20°	1480.5	1266.4	966.4	889.9	897.2	937.0	985.5	1032.6	1071.5	1089.2	1093.6
22.5°	1525.3	1248.8	911.2	852.4	875.2	924.5	973.7	1017.9	1052.4	1069.3	1075.2
25°	1565.8	1215.0	850.9	820.8	858.3	906.8	944.3	975.2	999.5	1009.8	1017.9
27.5°	1587.8	1164.2	805.3	795.8	842.1	881.8	902.4	912.0	920.0	917.1	923.0
30°	1592.2	1101.0	765.6	775.9	817.8	847.2	851.6	842.1	828.1	805.3	810.5
32.5°	1587.8	1028.2	732.5	754.6	790.6	808.3	802.4	777.4	743.5	708.2	710.4
35°	1589.3	954.6	705.3	731.0	759.0	768.5	753.8	719.3	683.2	650.9	649.4
37.5°	1605.5	892.8	682.5	708.2	728.1	729.6	713.4	677.3	659.0	634.7	631.7
40°	1650.3	847.2	661.9	685.4	697.9	697.2	678.8	653.1	665.6	657.5	655.3
42.5°	1723.9	819.3	645.0	661.2	670.0	671.5	656.8	640.6	667.8	657.5	653.8
45°	1842.3	817.8	633.2	636.9	650.9	661.2	650.9	632.5	642.8	592.8	583.2
47.5°	1982.8	842.8	624.4	615.6	639.8	658.2	642.0	612.6	591.3	545.7	539.1
50°	2151.9	893.6	616.3	592.8	623.7	647.2	631.0	590.6	558.2	533.9	530.3
52.5°	2352.7	960.5	606.0	567.0	599.4	641.3	631.0	588.4	545.7	523.6	520.0
55°	2563.0	1037.7	594.2	536.1	572.2	642.8	636.2	572.9	536.1	524.4	521.4
57.5°	2824.1	1130.4	572.9	500.1	547.9	629.5	615.6	564.1	529.5	520.0	517.0
60°	3163.2	1267.9	532.5	463.3	520.0	606.0	597.2	549.4	511.9	503.8	501.6
62.5°	3700.0	1501.0	483.2	428.0	486.9	556.7	570.0	521.4	489.8	489.1	488.3
65°	4575.2	1781.3	425.1	396.4	452.3	516.3	533.9	492.7	467.0	475.1	474.4
67.5°	5188.6	1805.5	377.3	363.3	411.9	472.2	497.9	463.3	435.4	450.8	450.1
70°	4752.5	1408.4	336.1	328.7	368.5	424.4	458.9	426.6	398.6	413.3	410.4
72.5°	4008.2	1079.6	297.1	292.7	324.3	374.3	408.9	389.8	360.4	360.4	353.8
75°	3221.3	890.6	255.9	253.7	275.1	323.6	362.6	330.2	303.0	301.5	297.1
77.5°	1847.4	583.9	214.8	213.3	219.9	270.6	281.7	275.1	254.5	244.9	242.0
80°	736.2	303.7	169.2	159.6	166.2	198.6	222.1	211.1	193.4	181.7	175.0
82.5°	285.4	152.2	119.1	104.4	114.0	143.4	161.1	157.4	145.6	119.1	111.8
85°	116.2	74.3	71.3	60.3	66.2	77.2	92.7	80.2	66.2	47.1	44.9
87.5°	30.9	27.2	26.5	16.2	12.5	3.7	0.7	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)