

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: P635246

Luminaire Tested: GWS-SA3D-735-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635246  
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-SA3D-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**

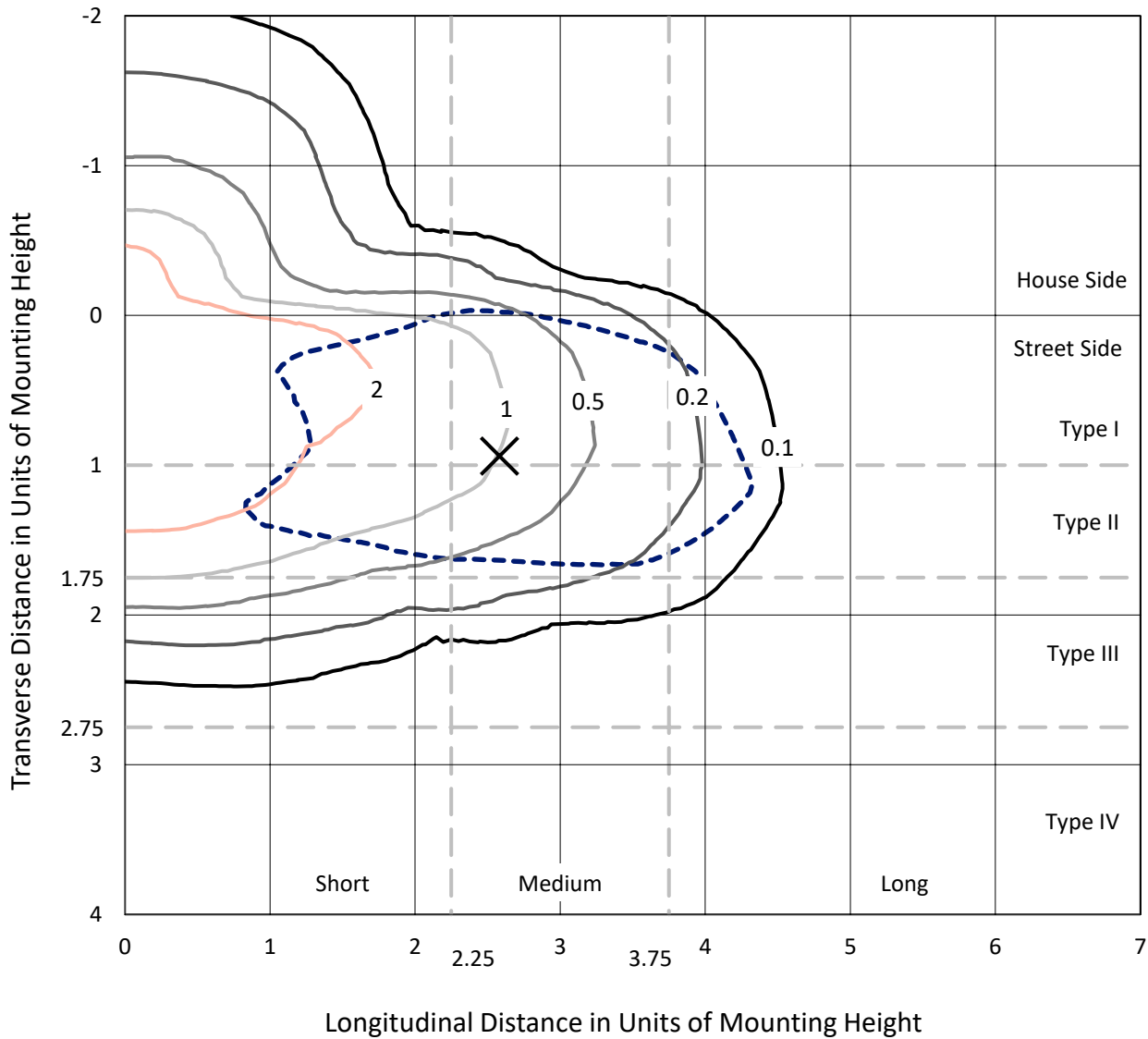
Lumens per Lamp: N/A  
Luminaire Lumens: 17220.7 lumens  
Efficiency: N/A  
Efficacy: 142.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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: P635246  
 CATALOG NUMBER: GWS-SA3D-735-U-T2-W

### Iso-Footcandle Lines of Horizontal Illumination

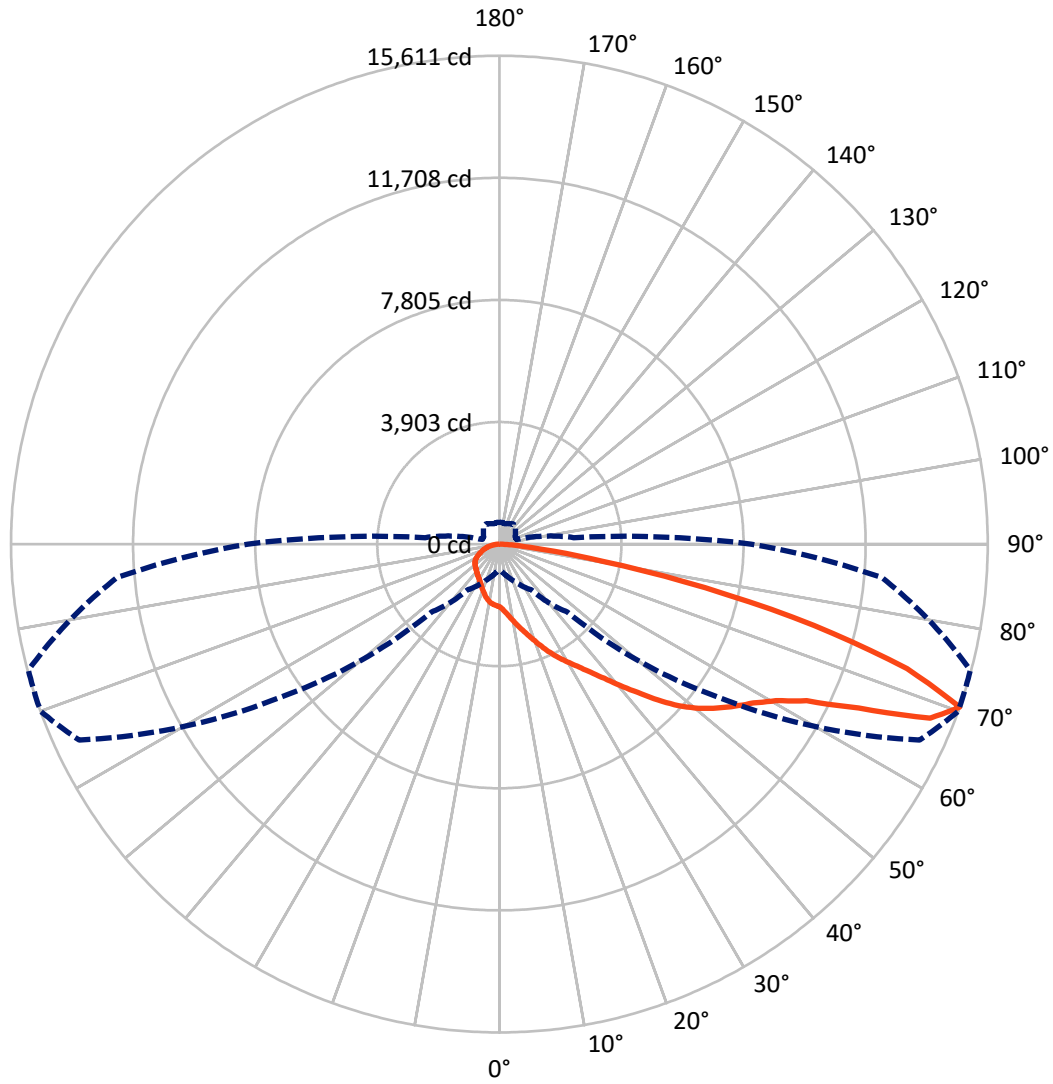
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type II - Medium - N/A

REPORT NUMBER: P635246  
CATALOG NUMBER: GWS-SA3D-735-U-T2-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P635246

CATALOG NUMBER: GWS-SA3D-735-U-T2-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3086.0	0.0	3086.0
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	14134.7	0.0	14134.7
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	17220.7	0.0	17220.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.1	1.2
10°-20°	664.0	3.9
20°-30°	1176.3	6.8
30°-40°	1770.4	10.3
40°-50°	2678.3	15.6
50°-60°	3836.9	22.3
60°-70°	4241.2	24.6
70°-80°	2393.4	13.9
80°-90°	256.0	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°	17220.7	100.0
0°-180°	17220.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635246

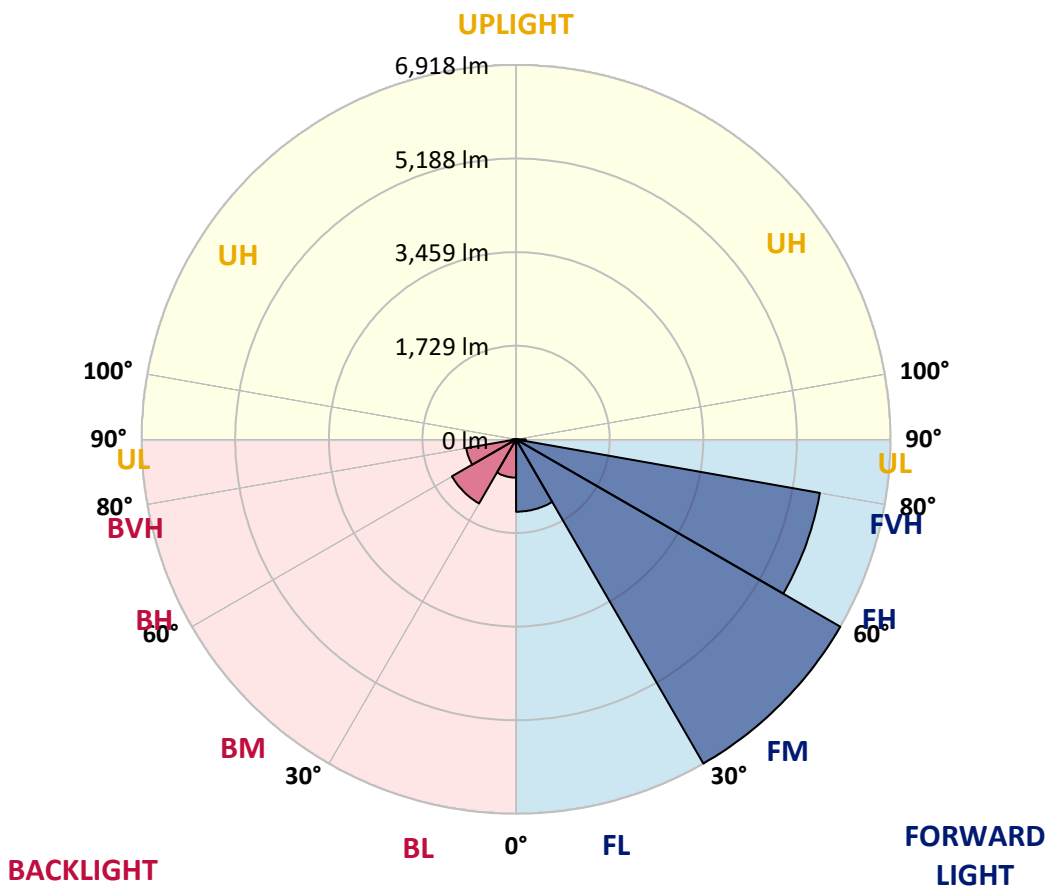
CATALOG NUMBER: GWS-SA3D-735-U-T2-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1336.9	7.8			
FM (30°-60°)	6917.5	40.2			
FH (60°-80°)	5699.3	33.1			G3/7500
FVH (80°-90°)	181.0	1.1			G2/225
BL (0°-30°)	707.6	4.1	B2/1000		
BM (30°-60°)	1368.0	7.9	B2/2500		
BH (60°-80°)	935.3	5.4	B2/1000		G2/1000
BVH (80°-90°)	75.0	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: P635246

CATALOG NUMBER: GWS-SA3D-735-U-T2-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2008.3	2008.3	2008.3	2008.3	2008.3	2008.3	2008.3	2008.3	2008.3	2008.3	2008.3
2.5°	2224.8	2221.1	2223.6	2221.1	2207.4	2173.8	2146.4	2111.6	2087.9	2074.2	2041.9
5°	2486.1	2482.4	2473.7	2461.2	2436.3	2390.3	2321.9	2246.0	2199.9	2165.1	2096.6
7.5°	2674.0	2674.0	2672.7	2657.8	2640.4	2591.9	2511.0	2411.4	2344.2	2284.5	2172.5
10°	2769.8	2776.0	2784.7	2805.9	2802.1	2776.0	2700.1	2593.1	2508.5	2438.8	2272.1
12.5°	2822.1	2825.8	2840.7	2884.3	2929.1	2935.3	2890.5	2778.5	2686.4	2593.1	2382.8
15°	2889.3	2890.5	2910.4	2962.7	3028.6	3094.6	3083.4	2971.4	2876.8	2773.5	2506.0
17.5°	2941.5	2950.2	2986.3	3047.3	3129.4	3220.2	3275.0	3205.3	3088.3	2970.1	2640.4
20°	2960.2	2966.4	3013.7	3107.0	3219.0	3347.2	3469.1	3450.4	3332.2	3192.9	2792.2
22.5°	3027.4	3027.4	3062.2	3140.6	3272.5	3459.1	3657.0	3705.5	3601.0	3438.0	2955.2
25°	3175.4	3170.5	3186.6	3219.0	3318.5	3548.7	3842.4	3988.0	3871.0	3688.1	3118.2
27.5°	3378.3	3375.8	3374.5	3379.5	3413.1	3627.1	3999.2	4251.8	4134.8	3928.2	3263.8
30°	3598.5	3591.0	3607.2	3592.3	3584.8	3720.4	4132.3	4488.2	4397.3	4165.9	3384.5
32.5°	3898.4	3884.7	3881.0	3832.4	3802.6	3866.0	4239.3	4756.9	4684.8	4422.2	3520.1
35°	4294.1	4281.6	4218.2	4141.0	4052.7	4082.5	4372.4	5019.5	5024.5	4743.2	3698.0
37.5°	4693.5	4696.0	4646.2	4464.5	4373.7	4356.3	4575.3	5339.3	5446.3	5126.5	3928.2
40°	5025.7	5040.6	5040.6	4849.0	4713.4	4697.2	4860.2	5718.8	5931.5	5596.8	4219.4
42.5°	5278.3	5292.0	5335.5	5197.4	5054.3	5110.3	5206.1	6099.5	6481.5	6177.9	4587.7
45°	5555.8	5567.0	5590.6	5511.0	5427.6	5576.9	5598.1	6554.9	7111.1	6829.9	5015.7
47.5°	5924.1	5914.1	5916.6	5858.1	5793.4	6034.8	6029.8	6938.2	7719.6	7544.2	5479.9
50°	6382.0	6400.6	6383.2	6267.5	6191.6	6411.8	6440.5	7362.5	8254.6	8250.9	5947.7
52.5°	6822.5	6829.9	6922.0	6927.0	6771.4	6725.4	6800.1	7790.5	8706.3	8897.9	6396.9
55°	6844.9	6873.5	7149.7	7348.8	7600.1	7230.6	7163.4	8198.7	9143.1	9531.3	6863.5
57.5°	6368.3	6414.3	6883.4	7312.7	8012.0	8097.9	7785.5	8726.2	9579.8	10154.7	7403.5
60°	5350.5	5446.3	6083.4	6740.3	7826.6	8721.3	9058.5	9442.9	10153.4	10791.8	8059.3
62.5°	3416.8	3454.2	4347.6	5447.5	6991.7	8660.3	10444.6	10705.9	11026.9	11621.7	9069.7
65°	1710.9	1830.4	2354.2	3251.3	5041.9	7631.3	11145.1	13019.0	12625.8	13042.7	10707.1
67.5°	1160.9	1199.5	1464.5	1953.5	2956.4	5406.5	10710.9	14967.6	14851.9	14920.3	12452.9
70°	856.1	881.0	1090.0	1383.7	1788.1	3069.7	8527.1	14820.8	15610.9	15586.0	12270.0
72.5°	624.6	637.1	795.1	1056.4	1325.2	1587.7	5207.4	11972.6	13627.5	14345.5	10730.8
75°	454.2	469.1	552.5	790.1	1030.3	990.5	2570.7	8647.8	10392.3	11773.5	8742.4
77.5°	338.4	357.1	395.7	495.2	721.7	709.2	1111.2	5615.5	6721.7	7689.7	5310.6
80°	243.9	247.6	270.0	317.3	457.9	415.6	528.8	2927.8	3357.1	3678.1	2081.7
82.5°	148.1	151.8	180.4	195.4	283.7	261.3	275.0	948.2	1358.8	1442.1	777.7
85°	43.6	46.0	82.1	89.6	118.2	112.0	110.7	385.7	460.4	588.6	306.1
87.5°	0.0	0.0	0.0	0.0	1.2	7.5	13.7	68.4	103.3	143.1	74.7
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: P635246  
 CATALOG NUMBER: GWS-SA3D-735-U-T2-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2008.3	2008.3	2008.3	2008.3	2008.3	2008.3	2008.3	2008.3	2008.3	2008.3	2008.3
2.5°	2029.4	2000.8	1985.9	1959.8	1941.1	1922.4	1903.8	1886.3	1878.9	1867.7	1870.2
5°	2065.5	2020.7	1975.9	1924.9	1881.4	1845.3	1812.9	1784.3	1771.9	1760.7	1765.7
7.5°	2120.3	2053.1	1967.2	1873.9	1805.5	1755.7	1722.1	1702.2	1696.0	1687.3	1687.3
10°	2190.0	2089.2	1938.6	1805.5	1723.3	1683.5	1668.6	1667.4	1673.6	1674.8	1672.3
12.5°	2267.1	2124.0	1896.3	1724.6	1654.9	1642.5	1653.7	1674.8	1696.0	1707.2	1704.7
15°	2346.7	2146.4	1824.1	1647.4	1605.1	1621.3	1657.4	1699.7	1740.8	1761.9	1760.7
17.5°	2421.4	2151.4	1730.8	1572.8	1561.6	1602.7	1664.9	1730.8	1786.8	1816.7	1817.9
20°	2504.8	2142.7	1635.0	1505.6	1518.0	1585.2	1667.4	1747.0	1812.9	1842.8	1850.3
22.5°	2580.7	2112.8	1541.7	1442.1	1480.7	1564.1	1647.4	1722.1	1780.6	1809.2	1819.2
25°	2649.1	2055.6	1439.6	1388.6	1452.1	1534.2	1597.7	1649.9	1691.0	1708.4	1722.1
27.5°	2686.4	1969.7	1362.5	1346.3	1424.7	1491.9	1526.7	1542.9	1556.6	1551.6	1561.6
30°	2693.9	1862.7	1295.3	1312.7	1383.7	1433.4	1440.9	1424.7	1401.1	1362.5	1371.2
32.5°	2686.4	1739.5	1239.3	1276.6	1337.6	1367.5	1357.5	1315.2	1258.0	1198.3	1202.0
35°	2688.9	1615.1	1193.3	1236.8	1284.1	1300.3	1275.4	1216.9	1155.9	1101.2	1098.7
37.5°	2716.3	1510.6	1154.7	1198.3	1231.9	1234.3	1207.0	1146.0	1114.9	1073.8	1068.8
40°	2792.2	1433.4	1119.9	1159.7	1180.8	1179.6	1148.5	1104.9	1126.1	1112.4	1108.7
42.5°	2916.6	1386.1	1091.2	1118.6	1133.6	1136.0	1111.2	1083.8	1129.8	1112.4	1106.2
45°	3117.0	1383.7	1071.3	1077.6	1101.2	1118.6	1101.2	1070.1	1087.5	1002.9	986.7
47.5°	3354.6	1426.0	1056.4	1041.5	1082.5	1113.6	1086.3	1036.5	1000.4	923.3	912.1
50°	3640.8	1511.8	1042.7	1002.9	1055.2	1095.0	1067.6	999.2	944.4	903.4	897.1
52.5°	3980.5	1625.0	1025.3	959.4	1014.1	1085.0	1067.6	995.4	923.3	885.9	879.7
55°	4336.4	1755.7	1005.4	907.1	968.1	1087.5	1076.3	969.3	907.1	887.2	882.2
57.5°	4778.1	1912.5	969.3	846.1	927.0	1065.1	1041.5	954.4	895.9	879.7	874.7
60°	5351.7	2145.2	900.9	783.9	879.7	1025.3	1010.4	929.5	866.0	852.3	848.6
62.5°	6260.0	2539.6	817.5	724.2	823.7	941.9	964.3	882.2	828.7	827.5	826.2
65°	7740.8	3013.7	719.2	670.7	765.2	873.5	903.4	833.7	790.1	803.8	802.6
67.5°	8778.5	3054.7	638.3	614.7	696.8	798.8	842.4	783.9	736.6	762.8	761.5
70°	8040.6	2382.8	568.6	556.2	623.4	718.0	776.4	721.7	674.4	699.3	694.3
72.5°	6781.4	1826.6	502.7	495.2	548.7	633.3	691.8	659.5	609.7	609.7	598.5
75°	5450.0	1506.8	433.0	429.3	465.4	547.5	613.4	558.7	512.6	510.2	502.7
77.5°	3125.7	988.0	363.3	360.8	372.0	457.9	476.6	465.4	430.5	414.3	409.4
80°	1245.5	513.9	286.2	270.0	281.2	336.0	375.8	357.1	327.2	307.3	296.1
82.5°	482.8	257.6	201.6	176.7	192.9	242.6	272.5	266.3	246.4	201.6	189.1
85°	196.6	125.7	120.7	102.0	112.0	130.7	156.8	135.6	112.0	79.6	75.9
87.5°	52.3	46.0	44.8	27.4	21.2	6.2	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)