

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: P636739

Luminaire Tested: GWS-SA4B-735-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636739  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4B-735-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (64) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14285.6 lumens  
Efficiency: N/A  
Efficacy: 151.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 94.4  
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

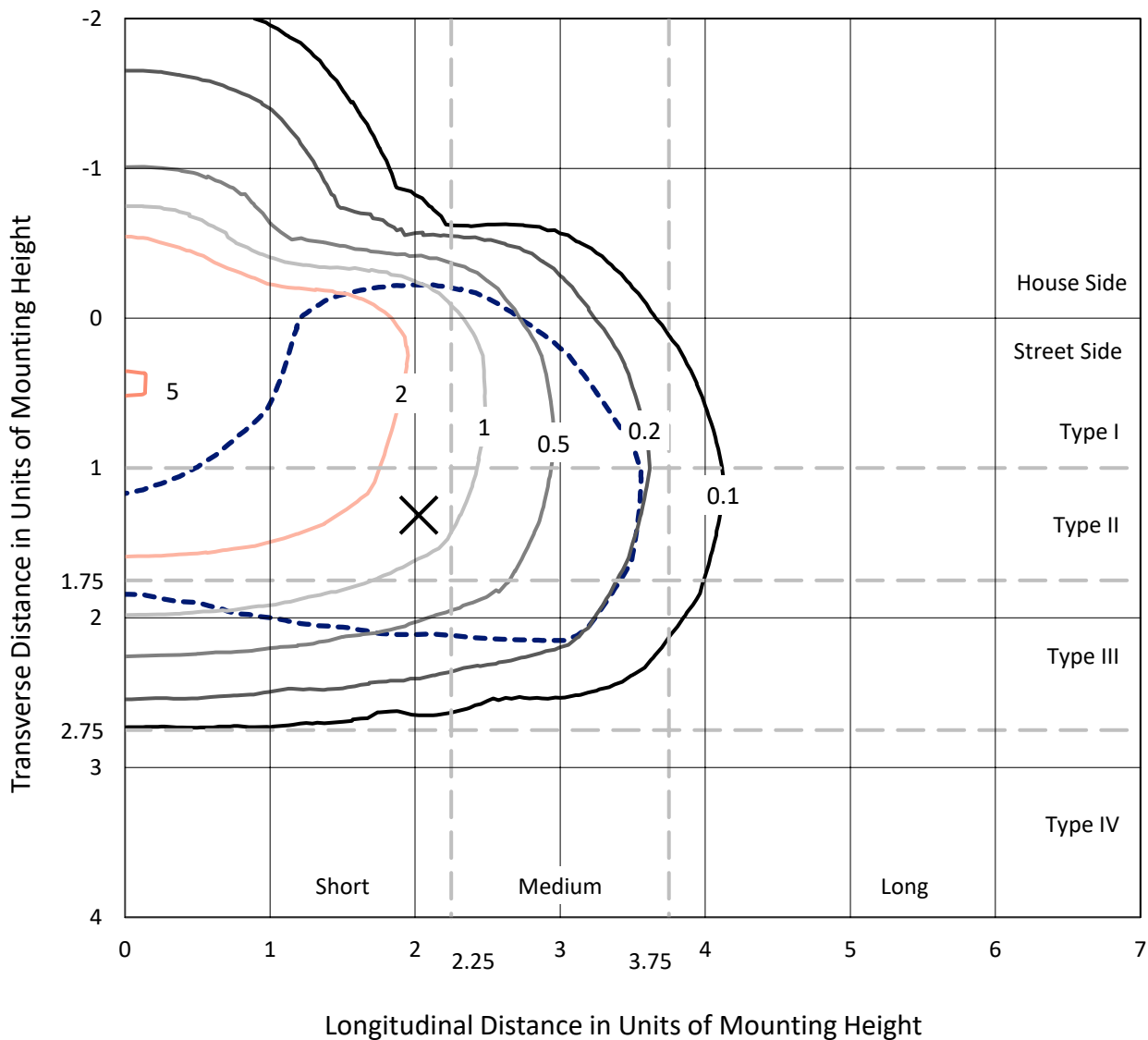


REPORT NUMBER: P636739

CATALOG NUMBER: GWS-SA4B-735-U-T3-W

### Iso-Footcandle Lines of Horizontal Illumination

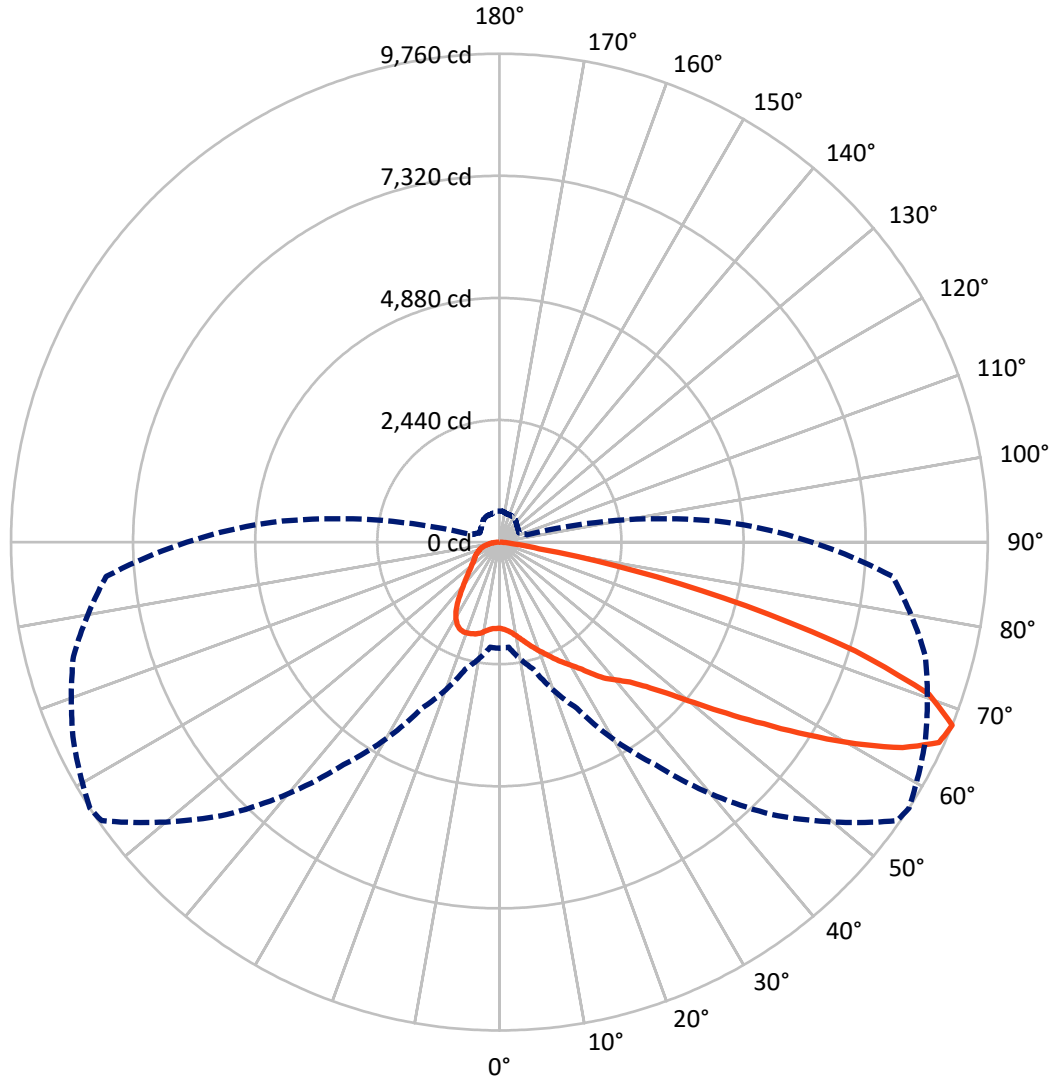
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc  
 Type III - Short - N/A

REPORT NUMBER: P636739  
CATALOG NUMBER: GWS-SA4B-735-U-T3-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P636739

CATALOG NUMBER: GWS-SA4B-735-U-T3-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3140.9	0.0	3140.9
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	11144.7	0.0	11144.7
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	14285.6	0.0	14285.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.7	1.2
10°-20°	565.2	4.0
20°-30°	1007.6	7.1
30°-40°	1464.9	10.3
40°-50°	2120.2	14.8
50°-60°	3318.0	23.2
60°-70°	3870.7	27.1
70°-80°	1615.8	11.3
80°-90°	152.5	1.1
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°	14285.6	100.0
0°-180°	14285.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636739

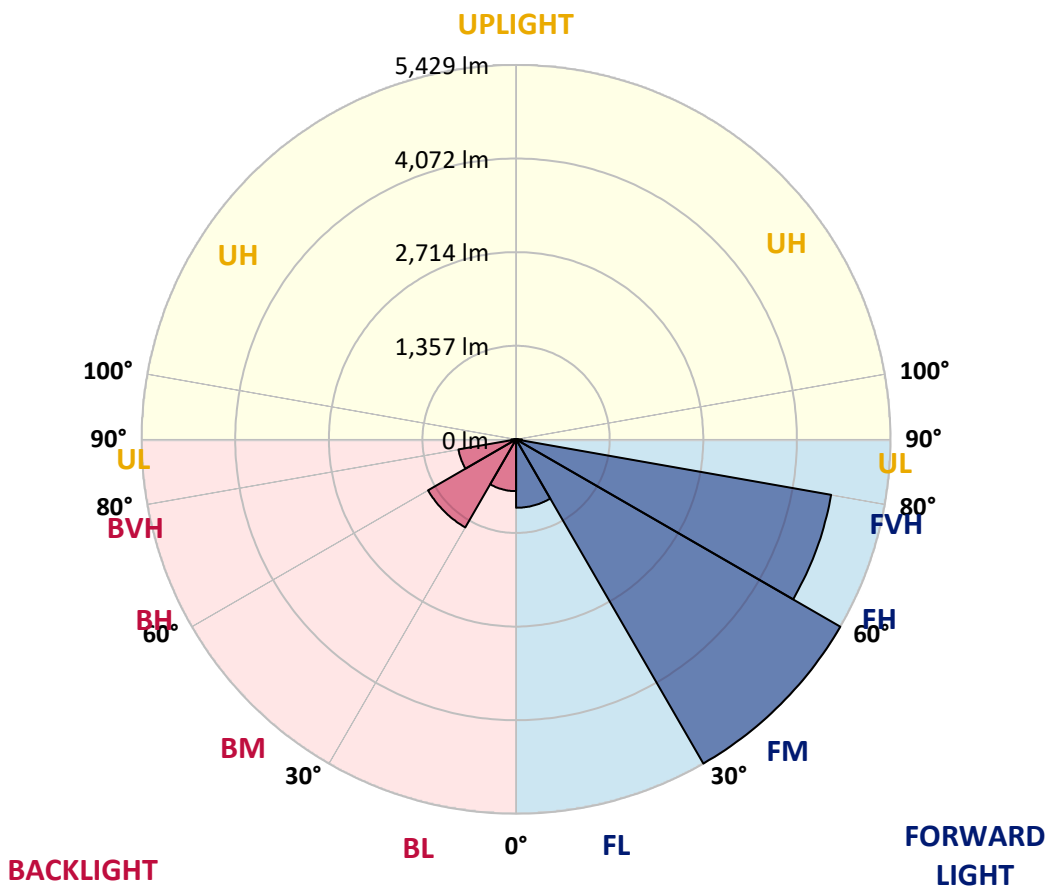
CATALOG NUMBER: GWS-SA4B-735-U-T3-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	992.3	6.9			
FM (30°-60°)	5428.7	38.0			
FH (60°-80°)	4638.8	32.5			G2/5000
FVH (80°-90°)	84.9	0.6			G1/100
BL (0°-30°)	751.2	5.3	B2/1000		
BM (30°-60°)	1474.4	10.3	B2/2500		
BH (60°-80°)	847.7	5.9	B2/1000		G2/1000
BVH (80°-90°)	67.5	0.5			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 III Short





REPORT NUMBER: P636739

CATALOG NUMBER: GWS-SA4B-735-U-T3-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3
2.5°	1745.9	1743.8	1742.8	1748.9	1746.9	1745.9	1745.9	1744.9	1742.8	1734.6	1723.4
5°	1794.0	1789.9	1785.8	1790.9	1786.8	1782.7	1781.7	1779.6	1772.5	1760.2	1742.8
7.5°	1844.1	1840.0	1841.1	1844.1	1841.1	1839.0	1835.9	1833.9	1822.6	1803.2	1779.6
10°	1914.7	1914.7	1916.8	1919.9	1920.9	1917.8	1911.7	1908.6	1895.3	1870.7	1838.0
12.5°	2017.1	2015.0	2015.0	2013.0	2016.0	2013.0	2006.8	2001.7	1985.3	1953.6	1906.5
15°	2152.2	2144.0	2136.8	2123.5	2119.4	2108.2	2110.2	2107.1	2091.8	2048.8	1989.4
17.5°	2296.5	2295.4	2284.2	2257.6	2231.0	2212.5	2216.6	2215.6	2207.4	2149.1	2073.4
20°	2423.4	2428.5	2418.2	2397.8	2362.0	2327.2	2325.1	2330.2	2320.0	2261.7	2156.3
22.5°	2565.6	2561.5	2551.3	2524.7	2498.1	2461.2	2448.9	2444.8	2440.8	2374.2	2241.2
25°	2700.7	2713.0	2699.7	2675.1	2634.2	2594.3	2584.0	2588.1	2576.9	2488.8	2332.3
27.5°	2871.6	2876.7	2868.5	2834.8	2800.0	2743.7	2724.2	2724.2	2720.1	2596.3	2403.9
30°	3053.8	3068.1	3053.8	3026.1	2990.3	2909.5	2867.5	2863.4	2851.1	2706.8	2487.8
32.5°	3236.9	3247.2	3236.9	3210.3	3169.4	3098.8	3038.4	3029.2	3012.8	2827.6	2573.8
35°	3399.7	3408.9	3406.8	3413.0	3379.2	3290.2	3253.3	3249.2	3206.2	2985.2	2690.5
37.5°	3577.7	3589.0	3573.6	3585.9	3572.6	3488.7	3477.4	3457.0	3395.6	3133.6	2813.3
40°	3780.3	3790.6	3766.0	3771.1	3755.8	3708.7	3651.4	3623.8	3532.7	3294.2	3006.7
42.5°	3997.3	4020.8	4032.1	4022.9	3987.1	3960.5	3860.2	3825.4	3749.6	3583.9	3324.9
45°	4311.5	4346.3	4362.6	4339.1	4323.8	4285.9	4163.1	4121.1	4081.2	3992.2	3769.1
47.5°	4650.2	4681.9	4734.1	4744.4	4756.6	4728.0	4555.0	4514.1	4521.3	4511.0	4315.6
50°	4920.4	4947.0	5064.7	5190.6	5294.9	5303.1	5082.1	5038.1	5077.0	5109.7	4973.6
52.5°	5116.9	5140.4	5296.0	5555.9	5792.3	5967.3	5728.9	5678.7	5710.4	5784.1	5721.7
55°	5276.5	5309.3	5472.0	5871.1	6349.0	6625.3	6472.8	6409.4	6396.1	6487.2	6523.0
57.5°	5360.4	5370.7	5598.9	6117.7	6757.3	7271.1	7337.6	7266.0	7139.1	7189.2	7375.5
60°	5169.1	5186.5	5498.6	6181.2	7079.7	7911.7	8245.3	8186.0	7915.8	7943.4	8149.1
62.5°	4640.0	4664.5	5040.1	5879.3	7106.3	8339.5	9083.5	9045.6	8683.3	8533.9	8595.3
65°	3722.0	3730.2	4119.1	5132.2	6577.2	8392.7	9667.8	9658.6	9219.6	8869.6	8606.6
67.5°	2122.5	2108.2	2628.0	3660.6	5428.0	7700.9	9705.7	9759.9	9393.6	8814.3	7890.2
70°	920.0	922.1	1161.5	1806.3	3513.2	6224.2	9014.9	9108.0	8890.1	7894.3	6277.4
72.5°	425.7	431.9	535.2	781.9	1500.3	3861.2	7350.9	7434.8	7247.5	6318.3	4567.3
75°	300.9	306.0	357.2	448.2	689.8	1504.4	4917.3	5093.3	5184.4	4725.9	3009.7
77.5°	228.2	235.4	261.0	311.1	425.7	533.2	2352.7	2772.3	3302.4	2940.2	1550.4
80°	145.3	145.3	173.0	207.7	259.9	277.3	679.5	805.4	1615.9	1211.7	608.9
82.5°	98.2	101.3	117.7	132.0	149.4	157.6	291.7	311.1	466.7	412.4	250.7
85°	52.2	54.2	61.4	60.4	71.6	62.4	122.8	121.8	170.9	187.3	95.2
87.5°	0.0	0.0	1.0	1.0	2.0	3.1	13.3	14.3	35.8	57.3	31.7
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: P636739

CATALOG NUMBER: GWS-SA4B-735-U-T3-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3
2.5°	1729.5	1717.2	1723.4	1721.3	1727.5	1727.5	1716.2	1713.1	1714.2	1701.9	1697.8
5°	1744.9	1730.5	1733.6	1729.5	1735.6	1740.8	1735.6	1735.6	1741.8	1732.6	1727.5
7.5°	1779.6	1763.3	1763.3	1758.2	1765.3	1769.4	1765.3	1771.5	1782.7	1773.5	1768.4
10°	1834.9	1815.5	1816.5	1810.4	1813.4	1811.4	1795.0	1789.9	1793.0	1784.8	1780.7
12.5°	1906.5	1879.9	1879.9	1867.7	1860.5	1839.0	1805.2	1793.0	1795.0	1787.8	1784.8
15°	1975.1	1950.6	1945.4	1920.9	1888.1	1848.2	1817.5	1809.3	1811.4	1804.2	1799.1
17.5°	2056.0	2024.2	2005.8	1960.8	1900.4	1859.5	1828.8	1809.3	1793.0	1776.6	1772.5
20°	2130.7	2090.8	2057.0	1987.4	1913.7	1857.4	1800.1	1752.0	1712.1	1690.6	1685.5
22.5°	2207.4	2156.3	2096.9	2005.8	1912.7	1820.6	1715.2	1642.5	1583.2	1551.4	1557.6
25°	2280.1	2215.6	2134.8	2023.2	1879.9	1738.7	1595.4	1487.0	1419.4	1394.9	1387.7
27.5°	2340.5	2260.6	2169.6	2015.0	1812.4	1621.0	1431.7	1310.9	1245.4	1217.8	1210.7
30°	2408.0	2317.9	2219.7	1977.2	1706.0	1456.3	1246.5	1148.2	1101.2	1074.5	1075.6
32.5°	2485.8	2391.6	2290.3	1904.5	1569.9	1278.2	1094.0	1026.4	988.6	962.0	957.9
35°	2590.2	2497.0	2337.4	1795.0	1396.9	1114.5	989.6	934.3	887.3	852.5	845.3
37.5°	2719.1	2655.7	2342.5	1648.7	1211.7	1001.9	914.9	855.5	798.2	752.2	747.1
40°	2940.2	2867.5	2300.5	1465.5	1054.1	929.2	852.5	783.9	717.4	666.2	659.1
42.5°	3255.4	3105.9	2210.5	1258.8	935.4	871.9	793.1	706.1	638.6	602.8	597.7
45°	3656.5	3372.0	2075.4	1064.3	847.4	815.6	730.7	639.6	603.8	578.2	573.1
47.5°	4147.7	3682.1	1919.9	912.9	778.8	764.5	667.2	617.1	585.4	563.9	558.8
50°	4735.2	4077.1	1791.9	794.1	717.4	705.1	646.8	603.8	578.2	560.8	556.7
52.5°	5405.5	4516.2	1729.5	709.2	664.2	651.9	639.6	600.7	579.2	565.9	560.8
55°	6101.4	4978.7	1671.2	643.7	619.1	626.3	640.6	611.0	594.6	577.2	572.1
57.5°	6773.7	5412.6	1527.9	592.5	586.4	614.0	645.7	621.2	601.7	584.3	578.2
60°	7237.3	5650.1	1285.4	551.6	561.8	598.7	632.4	605.8	581.3	574.1	571.0
62.5°	7362.2	5621.4	997.8	509.6	532.2	564.9	597.7	580.3	554.7	565.9	567.0
65°	7070.5	5314.4	749.1	468.7	493.3	520.9	561.8	554.7	545.5	576.2	577.2
67.5°	6244.6	4560.2	571.0	432.9	453.4	487.1	550.6	580.3	582.3	621.2	617.1
70°	4724.9	3406.8	447.2	399.1	422.7	487.1	586.4	599.7	575.1	611.0	602.8
72.5°	3266.6	2248.4	380.7	369.4	384.8	464.6	585.4	585.4	558.8	558.8	543.4
75°	2029.4	1322.2	331.6	331.6	331.6	406.3	569.0	539.3	492.2	470.8	458.5
77.5°	1001.9	642.7	278.4	288.6	277.3	339.8	464.6	441.1	412.4	389.9	381.7
80°	427.8	321.3	225.1	236.4	223.1	255.8	368.4	363.3	335.7	306.0	296.8
82.5°	196.5	165.8	180.1	185.2	162.7	192.4	269.1	269.1	253.8	212.9	197.5
85°	83.9	88.0	124.9	124.9	102.3	108.5	144.3	137.1	122.8	100.3	92.1
87.5°	28.7	43.0	63.4	55.3	21.5	9.2	5.1	2.0	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)