

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: P636243

Luminaire Tested: GWS-SA3F-735-U-T3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636243  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-735-U-T3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

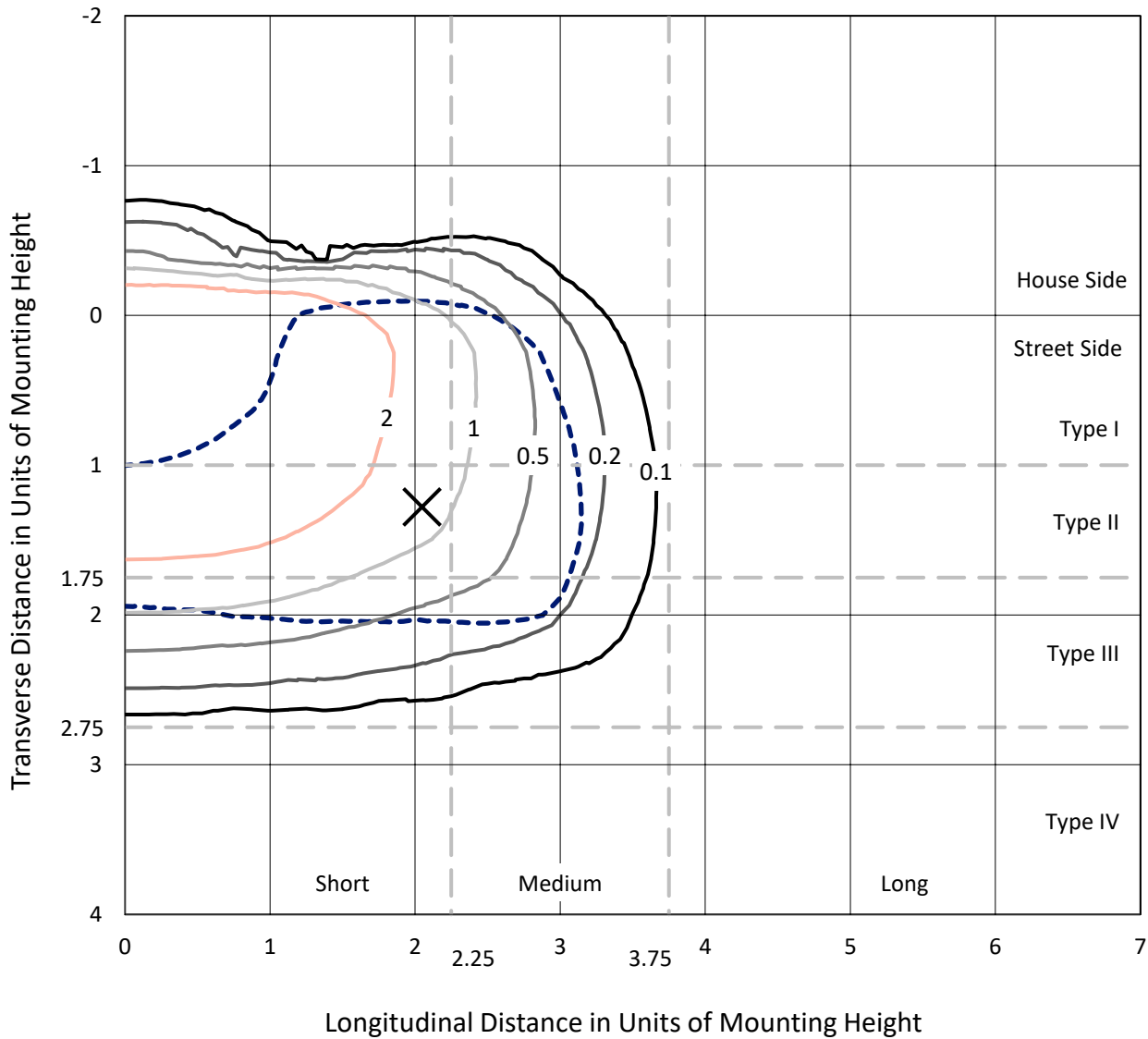
Lumens per Lamp: N/A  
Luminaire Lumens: 17704.3 lumens  
Efficiency: N/A  
Efficacy: 96.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P636243  
 CATALOG NUMBER: GWS-SA3F-735-U-T3-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

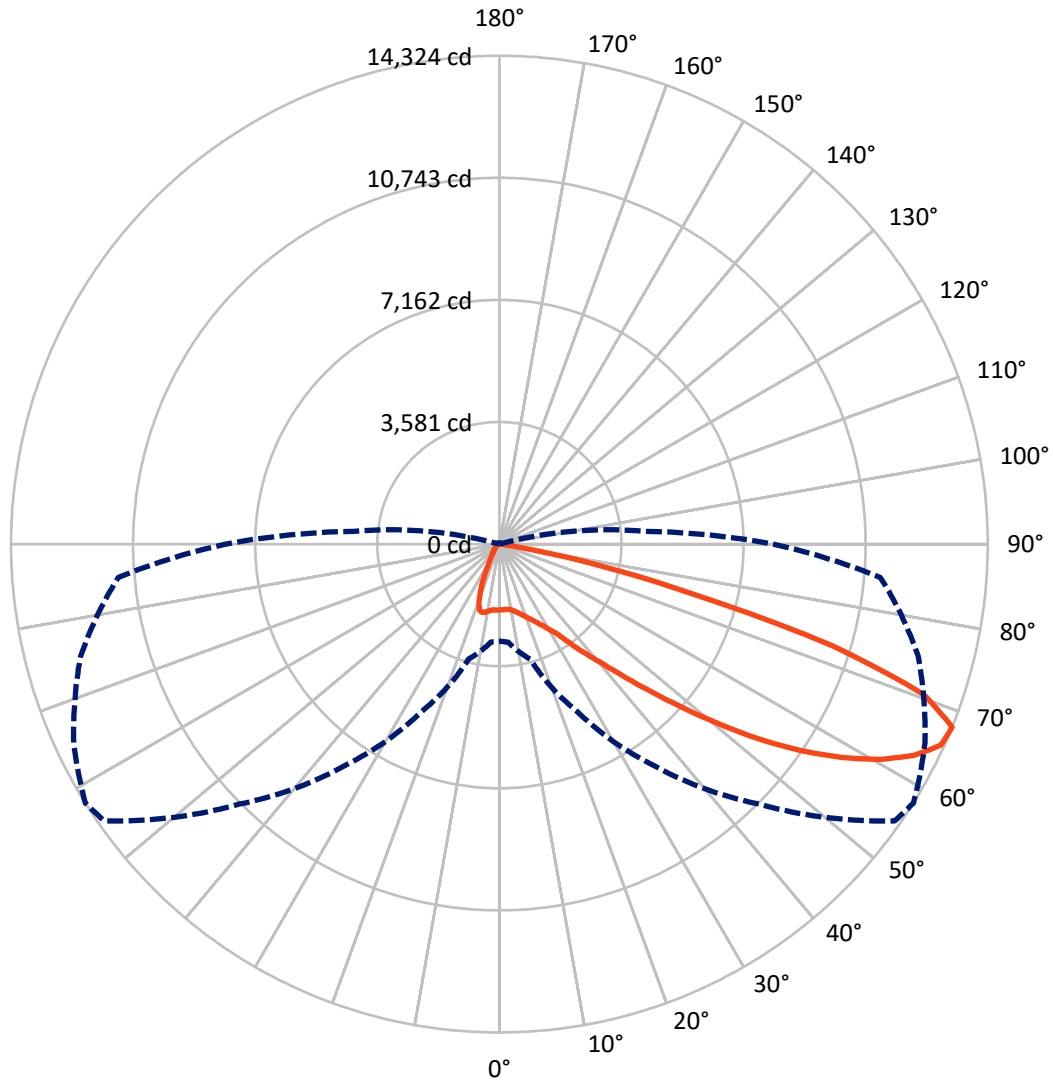
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P636243  
CATALOG NUMBER: GWS-SA3F-735-U-T3-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P636243

CATALOG NUMBER: GWS-SA3F-735-U-T3-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1931.5	0.0	1931.5
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	15772.8	0.0	15772.8
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	17704.3	0.0	17704.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.2	1.0
10°-20°	508.8	2.9
20°-30°	888.2	5.0
30°-40°	1586.2	9.0
40°-50°	2899.3	16.4
50°-60°	4821.8	27.2
60°-70°	5237.3	29.6
70°-80°	1537.7	8.7
80°-90°	43.8	0.2
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°	17704.3	100.0
0°-180°	17704.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636243

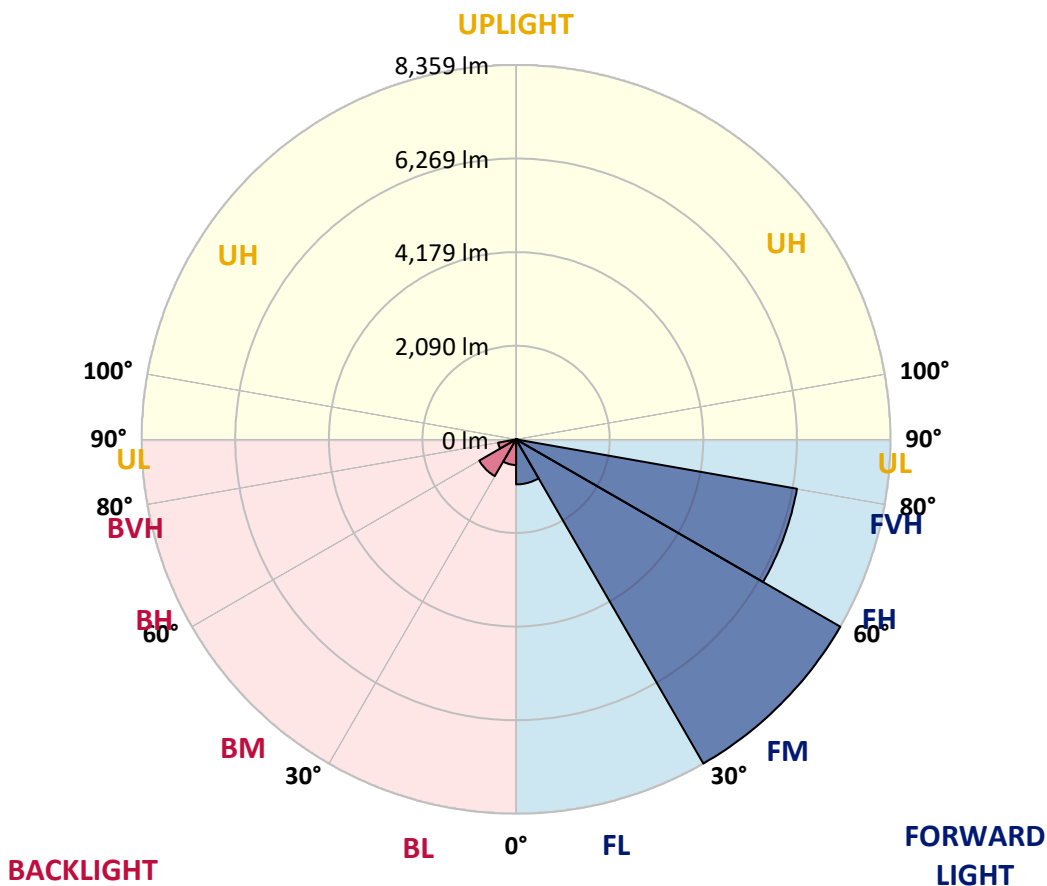
CATALOG NUMBER: GWS-SA3F-735-U-T3-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1005.3	5.7			
FM (30°-60°)	8358.6	47.2			
FH (60°-80°)	6367.3	36.0			G3/7500
FVH (80°-90°)	41.6	0.2			G1/100
BL (0°-30°)	572.9	3.2	B2/1000		
BM (30°-60°)	948.7	5.4	B1/1000		
BH (60°-80°)	407.7	2.3	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short





REPORT NUMBER: P636243

CATALOG NUMBER: GWS-SA3F-735-U-T3-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1929.2	1929.2	1929.2	1929.2	1929.2	1929.2	1929.2	1929.2	1929.2	1929.2	1929.2
2.5°	1892.9	1889.5	1889.5	1903.3	1905.0	1912.0	1927.5	1929.2	1937.9	1934.4	1922.3
5°	1794.4	1796.1	1806.5	1830.7	1851.4	1877.4	1915.4	1924.1	1943.1	1953.4	1946.5
7.5°	1702.8	1704.5	1720.1	1758.1	1797.9	1849.7	1912.0	1929.2	1967.3	1994.9	1996.7
10°	1668.2	1666.5	1682.0	1725.3	1777.1	1849.7	1939.6	1962.1	2019.1	2067.5	2076.2
12.5°	1678.6	1676.8	1692.4	1732.2	1789.2	1880.8	1988.0	2019.1	2091.7	2166.1	2181.6
15°	1720.1	1718.3	1728.7	1761.6	1823.8	1918.9	2050.2	2096.9	2188.5	2278.4	2302.6
17.5°	1844.5	1835.9	1825.5	1829.0	1865.3	1963.8	2129.8	2186.8	2300.9	2408.1	2428.8
20°	2065.8	2043.3	2015.7	1979.4	1962.1	2029.5	2221.4	2287.1	2425.4	2548.1	2551.6
22.5°	2399.4	2390.8	2326.8	2221.4	2147.1	2148.8	2328.6	2404.6	2574.0	2708.9	2689.9
25°	2864.5	2859.3	2760.7	2587.9	2394.3	2328.6	2465.1	2542.9	2750.4	2893.9	2833.4
27.5°	3441.9	3405.6	3289.7	3056.4	2767.7	2561.9	2638.0	2707.2	2937.1	3071.9	2957.8
30°	3944.9	3946.6	3837.7	3594.0	3269.0	2912.9	2848.9	2909.4	3108.2	3250.0	3111.7
32.5°	4429.0	4444.5	4325.2	4105.7	3749.6	3371.0	3151.4	3161.8	3327.8	3481.6	3313.9
35°	4878.4	4890.5	4807.5	4620.8	4288.9	3849.8	3573.2	3568.1	3657.9	3815.3	3595.7
37.5°	5381.5	5393.6	5312.3	5144.6	4833.5	4397.8	4052.1	4045.2	4081.5	4209.4	3958.7
40°	5917.4	5939.8	5850.0	5708.2	5410.9	5042.6	4608.7	4546.5	4510.2	4660.6	4429.0
42.5°	6460.2	6494.8	6463.6	6321.9	6067.8	5763.5	5331.3	5234.5	5156.7	5345.2	5099.7
45°	7134.4	7175.9	7162.0	7053.1	6856.1	6608.9	6200.9	6088.5	6052.2	6226.8	5934.7
47.5°	7782.7	7827.6	7877.7	7853.5	7713.5	7599.4	7146.5	7082.5	7072.2	7258.9	6805.9
50°	8265.0	8306.4	8498.3	8636.6	8731.7	8707.5	8315.1	8220.0	8204.5	8323.7	7725.6
52.5°	8610.7	8650.5	8915.0	9347.1	9696.3	9886.5	9490.6	9469.9	9385.2	9343.7	8586.5
55°	8878.7	8934.0	9212.3	9865.7	10569.3	10991.1	10743.9	10669.6	10451.8	10213.2	9385.2
57.5°	8932.2	8954.7	9347.1	10228.8	11247.0	11929.8	11929.8	11800.2	11380.1	11049.9	10308.3
60°	8451.7	8520.8	9051.5	10199.4	11537.4	12543.5	12913.5	12823.6	12256.6	11850.3	11196.9
62.5°	7385.0	7462.8	8109.4	9495.8	11247.0	12669.7	13658.5	13644.7	13005.1	12512.4	11933.3
65°	5663.3	5720.3	6283.9	7943.4	10019.6	12183.9	14191.0	14229.0	13596.3	12949.8	12187.4
67.5°	2845.5	2885.2	3493.7	5426.4	7941.7	10785.4	14154.7	14324.1	13776.1	12718.1	11217.6
70°	994.0	1033.8	1320.7	2328.6	4833.5	8235.6	12930.7	13207.3	12719.8	10856.3	8275.3
72.5°	340.6	359.6	548.0	864.4	1880.8	4881.9	9832.9	10249.5	9376.5	7288.2	4755.7
75°	193.6	205.7	293.9	468.5	788.3	1606.0	5578.5	5834.4	5466.2	3972.6	1956.9
77.5°	131.4	141.8	183.2	266.2	435.6	516.9	2275.0	2864.5	2498.0	1296.5	499.6
80°	77.8	84.7	112.4	157.3	223.0	200.5	487.5	648.3	835.0	387.2	150.4
82.5°	36.3	41.5	72.6	103.7	112.4	84.7	143.5	174.6	235.1	190.2	62.2
85°	0.0	0.0	24.2	43.2	41.5	24.2	39.8	43.2	64.0	95.1	24.2
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	3.5	5.2	10.4	19.0	10.4
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: P636243  
 CATALOG NUMBER: GWS-SA3F-735-U-T3-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1929.2	1929.2	1929.2	1929.2	1929.2	1929.2	1929.2	1929.2	1929.2	1929.2	1929.2
2.5°	1936.2	1924.1	1937.9	1931.0	1937.9	1936.2	1922.3	1913.7	1913.7	1898.1	1892.9
5°	1960.4	1948.3	1951.7	1936.2	1932.7	1924.1	1906.8	1899.9	1899.9	1884.3	1879.1
7.5°	2013.9	1994.9	1991.5	1960.4	1946.5	1922.3	1891.2	1879.1	1877.4	1861.8	1856.6
10°	2098.7	2076.2	2060.6	2020.9	1981.1	1932.7	1867.0	1811.7	1780.6	1739.1	1735.6
12.5°	2202.4	2174.7	2150.5	2090.0	2024.3	1915.4	1721.8	1519.5	1395.1	1296.5	1303.4
15°	2318.2	2292.3	2254.2	2162.6	2027.8	1744.3	1339.7	1028.6	876.5	795.2	791.7
17.5°	2444.4	2406.4	2344.1	2219.7	1918.9	1332.8	871.3	615.4	535.9	508.2	501.3
20°	2561.9	2515.3	2437.5	2231.8	1604.2	902.4	544.5	477.1	463.3	454.7	454.7
22.5°	2686.4	2627.6	2511.8	2138.4	1192.8	577.4	463.3	447.7	437.4	425.3	423.5
25°	2812.6	2736.5	2579.2	1894.7	781.4	454.7	433.9	416.6	397.6	378.6	373.4
27.5°	2919.8	2821.3	2631.1	1531.6	501.3	409.7	395.9	366.5	340.6	319.8	316.4
30°	3047.7	2921.5	2653.6	1120.2	394.1	361.3	340.6	309.4	278.3	257.6	250.7
32.5°	3218.9	3080.6	2619.0	729.5	349.2	318.1	285.2	248.9	217.8	195.3	191.9
35°	3485.1	3320.9	2460.0	465.0	316.4	274.9	235.1	197.1	171.1	153.9	150.4
37.5°	3810.1	3657.9	2198.9	349.2	283.5	238.6	191.9	155.6	136.6	124.5	121.0
40°	4292.4	4079.8	1875.6	306.0	250.7	202.3	157.3	127.9	114.1	103.7	100.3
42.5°	4918.2	4577.6	1504.0	278.3	219.5	169.4	127.9	105.5	93.4	86.4	84.7
45°	5649.4	5063.4	1111.6	250.7	190.2	140.0	105.5	86.4	77.8	72.6	70.9
47.5°	6398.0	5488.7	767.5	221.3	162.5	115.8	88.2	74.3	67.4	60.5	58.8
50°	7196.6	5848.2	523.8	191.9	138.3	95.1	76.1	67.4	58.8	53.6	51.9
52.5°	7782.7	5981.3	364.8	166.0	117.6	81.2	67.4	60.5	53.6	46.7	44.9
55°	8323.7	5977.9	276.6	140.0	100.3	70.9	60.5	53.6	46.7	41.5	39.8
57.5°	8863.1	5931.2	217.8	119.3	86.4	64.0	53.6	46.7	43.2	36.3	34.6
60°	9212.3	5754.9	169.4	100.3	74.3	55.3	46.7	41.5	36.3	31.1	29.4
62.5°	9397.3	5509.4	129.7	79.5	60.5	48.4	41.5	36.3	31.1	25.9	24.2
65°	9146.6	5073.8	102.0	62.2	46.7	41.5	34.6	29.4	24.2	19.0	17.3
67.5°	8035.0	4278.6	79.5	50.1	36.3	31.1	29.4	24.2	17.3	13.8	12.1
70°	5678.8	2930.2	62.2	38.0	27.7	24.2	22.5	19.0	13.8	10.4	8.6
72.5°	3116.9	1478.0	44.9	27.7	20.7	19.0	17.3	15.6	12.1	8.6	8.6
75°	1199.7	406.2	32.8	19.0	13.8	13.8	12.1	12.1	10.4	6.9	6.9
77.5°	312.9	121.0	20.7	12.1	8.6	8.6	8.6	6.9	6.9	5.2	5.2
80°	100.3	39.8	12.1	8.6	6.9	5.2	5.2	3.5	5.2	3.5	3.5
82.5°	32.8	13.8	6.9	6.9	5.2	3.5	3.5	1.7	1.7	0.0	0.0
85°	12.1	6.9	5.2	3.5	3.5	3.5	1.7	0.0	0.0	0.0	0.0
87.5°	6.9	3.5	3.5	3.5	3.5	1.7	0.0	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)