

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: P634236

Luminaire Tested: GWS-SA3B-735-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634236  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-735-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

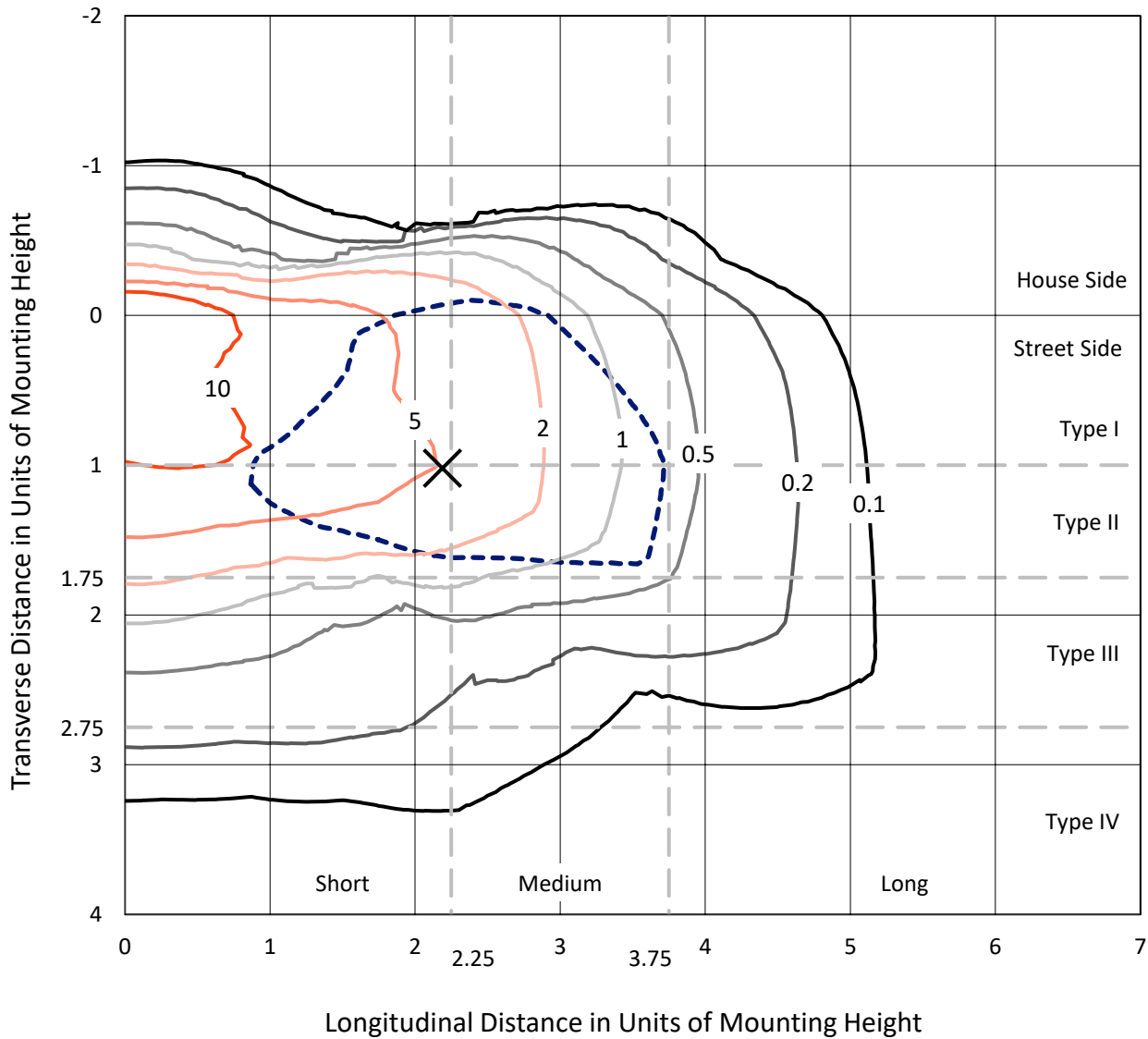
Lumens per Lamp: N/A  
Luminaire Lumens: 8132.4 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P634236  
 CATALOG NUMBER: GWS-SA3B-735-U-SL2-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

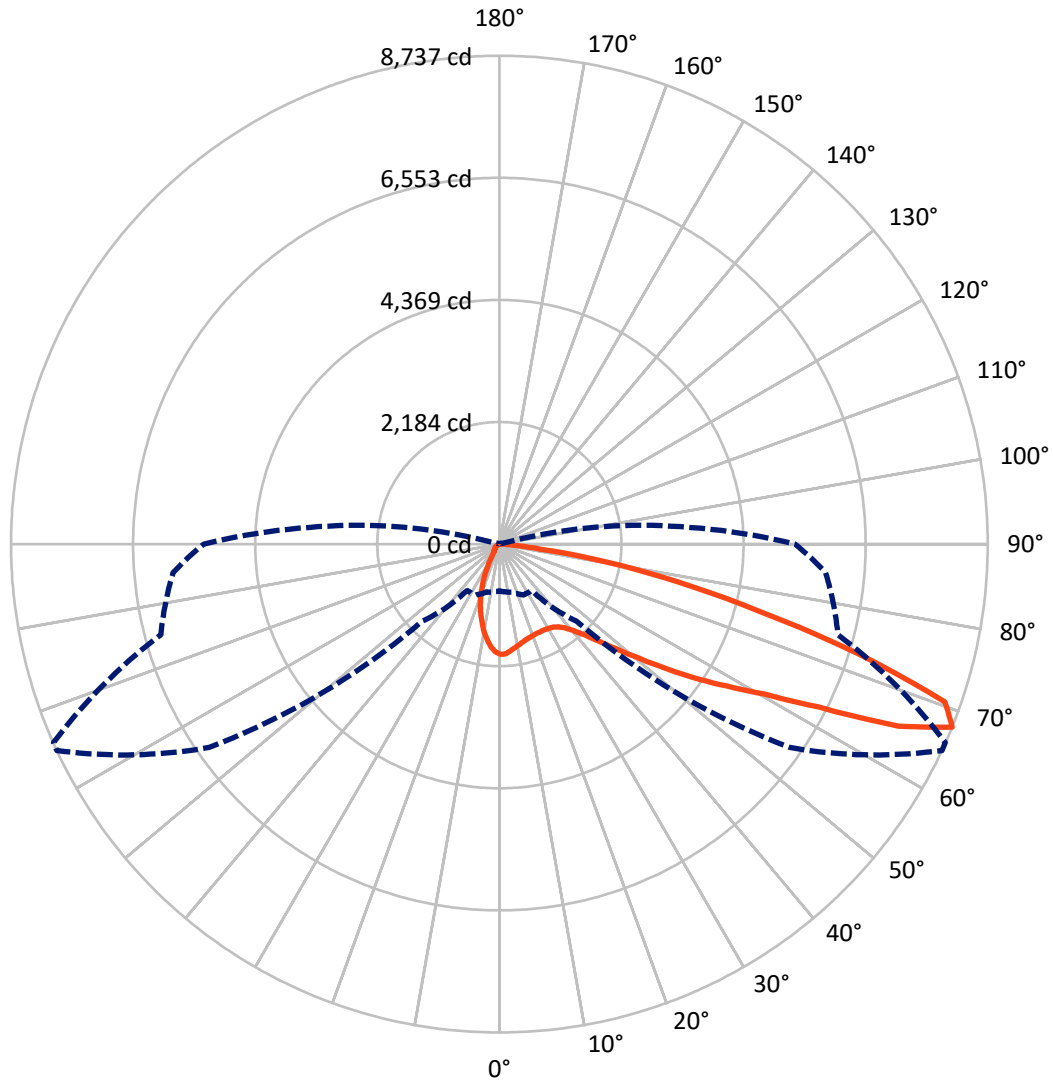
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P634236  
CATALOG NUMBER: GWS-SA3B-735-U-SL2-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P634236  
 CATALOG NUMBER: GWS-SA3B-735-U-SL2-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1015.5	0.0	1015.5
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	7116.9	0.0	7116.9
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	8132.4	0.0	8132.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.8	2.0
10°-20°	368.2	4.5
20°-30°	526.2	6.5
30°-40°	765.6	9.4
40°-50°	1199.0	14.7
50°-60°	1870.5	23.0
60°-70°	2054.6	25.3
70°-80°	1093.5	13.4
80°-90°	91.0	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°	8132.4	100.0
0°-180°	8132.4	100.0

**Coefficient of Utilization**

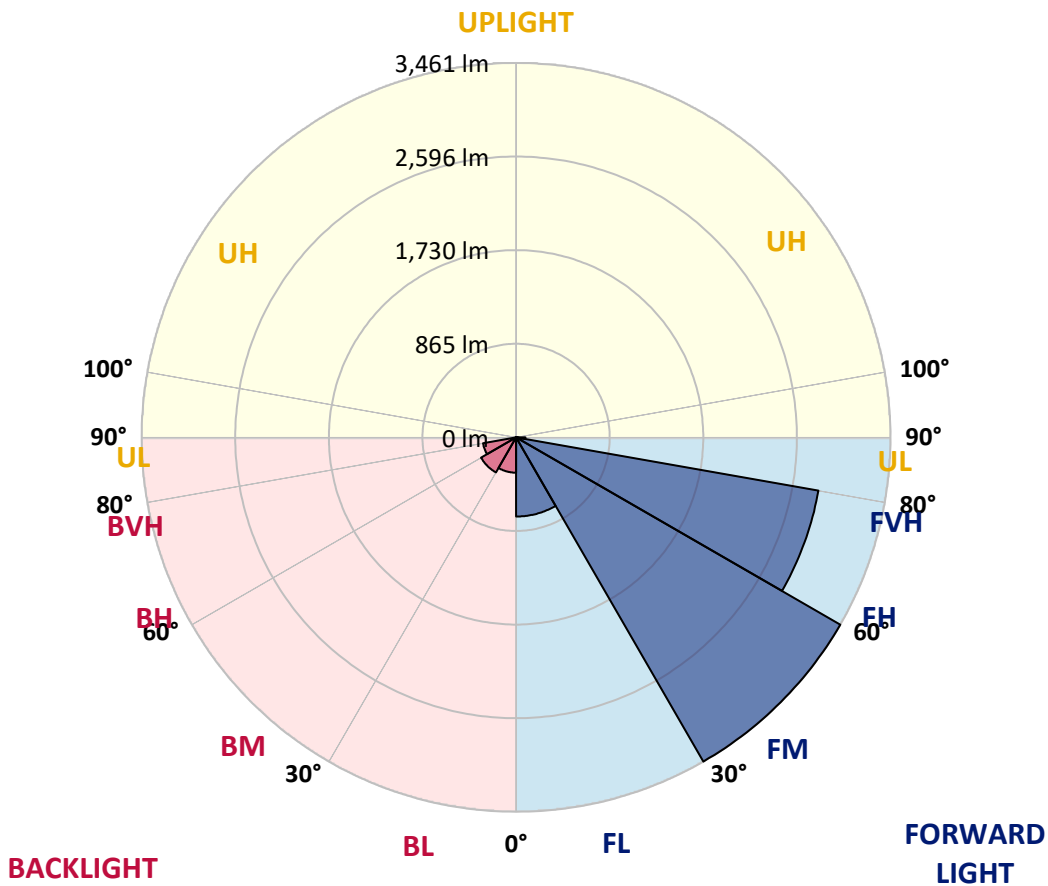


REPORT NUMBER: P634236  
 CATALOG NUMBER: GWS-SA3B-735-U-SL2-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	731.9	9.0			
FM (30°-60°)	3461.0	42.6			
FH (60°-80°)	2837.9	34.9			G2/5000
FVH (80°-90°)	86.2	1.1			G1/100
BL (0°-30°)	326.4	4.0	B1/500		
BM (30°-60°)	374.1	4.6	B1/1000		
BH (60°-80°)	310.2	3.8	B1/500		G1/500
BVH (80°-90°)	4.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Short





REPORT NUMBER: P634236

CATALOG NUMBER: GWS-SA3B-735-U-SL2-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1972.4	1972.4	1972.4	1972.4	1972.4	1972.4	1972.4	1972.4	1972.4	1972.4	1972.4
2.5°	1904.0	1909.9	1901.8	1921.6	1925.3	1947.4	1959.9	1968.7	1968.0	1979.0	1979.0
5°	1792.2	1798.1	1793.7	1815.0	1831.9	1866.5	1895.1	1928.2	1929.7	1963.5	1976.0
7.5°	1697.3	1698.1	1698.1	1724.5	1746.6	1789.2	1831.9	1882.6	1888.5	1940.7	1973.8
10°	1619.4	1621.6	1622.3	1652.5	1676.7	1728.2	1782.6	1843.7	1850.3	1920.9	1972.4
12.5°	1565.7	1566.4	1569.4	1601.0	1627.5	1681.1	1736.3	1806.2	1815.0	1898.1	1965.7
15°	1539.9	1538.5	1539.9	1566.4	1592.9	1644.4	1701.0	1776.0	1785.6	1879.0	1966.5
17.5°	1538.5	1536.3	1534.8	1554.7	1571.6	1617.2	1674.5	1756.2	1766.4	1870.1	1974.6
20°	1559.8	1558.3	1551.0	1559.8	1563.5	1601.0	1657.6	1740.7	1751.0	1868.7	1992.2
22.5°	1615.7	1612.0	1601.0	1592.9	1573.0	1595.1	1645.8	1729.7	1741.4	1872.3	2015.0
25°	1698.8	1697.3	1683.3	1663.5	1612.7	1603.9	1646.6	1729.7	1740.7	1876.8	2039.3
27.5°	1823.8	1815.0	1797.3	1762.8	1690.0	1638.5	1661.3	1734.1	1745.1	1882.6	2059.1
30°	1951.0	1950.3	1944.4	1909.1	1801.0	1704.7	1692.2	1745.9	1756.2	1887.8	2077.5
32.5°	2082.7	2084.9	2099.6	2072.4	1954.0	1803.2	1748.1	1770.1	1777.5	1898.1	2093.7
35°	2207.7	2212.1	2251.1	2260.6	2140.0	1952.5	1839.3	1818.7	1819.4	1920.9	2115.0
37.5°	2327.6	2342.3	2404.8	2451.1	2371.7	2133.4	1970.9	1901.0	1895.1	1966.5	2147.4
40°	2463.6	2491.6	2570.2	2648.9	2623.9	2372.4	2150.3	2027.5	2015.0	2050.3	2205.5
42.5°	2614.4	2644.5	2749.0	2859.3	2871.0	2661.4	2374.6	2212.1	2190.8	2191.5	2314.3
45°	2776.2	2816.6	2938.0	3096.8	3168.1	2983.5	2651.1	2461.4	2440.1	2408.5	2489.4
47.5°	2988.7	3024.0	3140.9	3324.0	3460.8	3329.2	3013.7	2782.0	2743.1	2696.7	2761.5
50°	3171.8	3202.7	3303.5	3532.9	3817.5	3774.8	3424.8	3182.8	3145.3	3066.6	3120.3
52.5°	3212.3	3236.5	3329.2	3587.3	4090.3	4337.4	3928.5	3667.5	3641.0	3495.4	3516.0
55°	3030.6	3067.4	3150.5	3437.3	4161.7	4887.5	4582.3	4213.9	4158.7	3926.3	3963.1
57.5°	2571.7	2637.2	2715.1	3088.0	3968.3	5180.2	5495.7	4792.7	4742.6	4341.1	4341.8
60°	1884.8	1937.8	1990.0	2331.2	3509.4	5160.4	6324.5	5442.8	5351.6	4680.1	4667.6
62.5°	1370.8	1398.0	1397.3	1518.6	2409.9	4820.6	6759.9	6422.3	6209.8	5042.7	4971.4
65°	1078.1	1077.4	1109.0	1148.7	1345.8	3721.2	6813.6	7852.7	7623.2	5528.8	5380.2
67.5°	839.1	855.3	886.9	1003.8	1011.2	1947.4	6341.4	8737.4	8733.0	6270.8	5859.0
70°	647.2	669.2	714.1	884.7	934.0	1089.9	4744.8	8457.2	8528.5	6602.5	5520.0
72.5°	415.5	414.0	480.2	714.8	897.2	908.2	2623.9	6717.9	6798.8	5980.3	4463.2
75°	232.4	233.9	271.4	437.6	836.2	854.5	1299.5	4790.4	4854.4	4662.5	3429.2
77.5°	91.2	94.1	127.2	230.2	551.6	763.4	772.2	3266.7	3276.2	2889.4	2103.3
80°	36.8	39.0	64.7	142.7	336.1	514.0	551.6	1924.6	1885.6	1118.6	611.9
82.5°	11.0	11.8	25.7	80.9	175.8	365.5	372.1	738.3	697.2	240.5	155.9
85°	0.7	0.7	5.9	25.0	62.5	91.9	247.8	240.5	213.3	60.3	69.1
87.5°	0.0	0.0	0.7	0.7	1.5	2.9	26.5	44.1	44.9	11.0	30.9
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: P634236

CATALOG NUMBER: GWS-SA3B-735-U-SL2-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1972.4	1972.4	1972.4	1972.4	1972.4	1972.4	1972.4	1972.4	1972.4	1972.4	1972.4
2.5°	1979.0	1952.5	1950.3	1929.7	1909.1	1883.4	1853.2	1831.2	1815.7	1788.5	1783.4
5°	1976.0	1940.7	1907.6	1848.8	1783.4	1712.8	1651.0	1593.6	1557.6	1533.3	1523.0
7.5°	1970.2	1925.3	1848.8	1737.8	1628.2	1504.6	1408.3	1320.1	1259.8	1224.5	1209.0
10°	1965.7	1905.4	1781.2	1612.7	1442.9	1272.3	1125.9	995.0	922.2	864.8	855.3
12.5°	1956.9	1876.8	1694.4	1466.4	1247.3	1020.7	834.0	673.6	562.6	512.6	494.9
15°	1948.1	1846.6	1607.6	1312.0	1034.0	754.5	528.0	373.6	297.1	273.6	272.1
17.5°	1946.6	1819.4	1513.5	1165.6	810.4	494.2	300.8	241.9	225.8	219.9	219.9
20°	1951.0	1796.6	1420.8	997.2	590.5	300.8	224.3	209.6	200.0	194.9	194.9
22.5°	1955.4	1773.1	1331.8	827.3	392.0	219.9	197.8	185.3	174.3	168.4	165.5
25°	1958.4	1747.3	1233.3	656.7	255.9	191.2	173.6	157.4	144.1	136.8	136.8
27.5°	1957.7	1716.4	1134.0	489.8	198.6	169.9	148.6	131.6	118.4	110.3	111.0
30°	1951.8	1682.6	1031.0	342.0	173.6	148.6	127.2	109.6	96.3	89.7	89.0
32.5°	1947.4	1646.6	911.9	240.5	155.9	130.2	108.1	91.2	80.2	75.0	74.3
35°	1942.2	1611.3	798.7	183.1	140.5	112.5	91.2	77.2	68.4	64.0	64.0
37.5°	1943.7	1574.5	675.8	157.4	125.0	97.8	78.0	66.2	58.8	54.4	53.7
40°	1966.5	1552.4	555.2	142.7	111.0	84.6	67.7	57.4	50.0	45.6	44.9
42.5°	2023.1	1553.2	439.8	131.6	98.5	72.1	58.8	49.3	42.7	37.5	36.8
45°	2136.4	1584.1	337.6	119.9	85.3	62.5	50.7	41.9	35.3	30.9	30.2
47.5°	2321.7	1676.0	255.9	109.6	74.3	54.4	43.4	35.3	29.4	25.7	25.0
50°	2616.6	1842.2	201.5	97.1	62.5	47.1	36.8	29.4	24.3	20.6	19.9
52.5°	2971.0	2091.5	172.8	86.0	53.7	41.2	31.6	24.3	19.9	16.9	16.2
55°	3378.5	2389.3	159.6	75.0	45.6	35.3	25.7	19.9	16.2	14.0	12.5
57.5°	3752.0	2657.8	158.8	64.0	39.0	30.2	21.3	16.9	14.0	11.0	10.3
60°	4116.1	2882.1	149.3	52.9	33.8	25.0	18.4	14.0	11.8	9.6	8.8
62.5°	4446.3	3064.4	125.0	42.7	28.7	20.6	15.4	12.5	10.3	8.1	8.1
65°	4861.0	3296.8	95.6	34.6	23.5	16.9	13.2	11.0	9.6	7.4	7.4
67.5°	5289.8	3419.6	68.4	28.7	19.1	14.7	11.8	10.3	8.1	6.6	6.6
70°	4791.2	2889.4	49.3	23.5	16.2	12.5	10.3	9.6	8.1	6.6	5.9
72.5°	3741.8	2083.4	36.8	18.4	14.0	11.8	9.6	8.8	7.4	5.9	5.9
75°	2774.7	1214.9	27.9	14.7	11.0	9.6	9.6	8.8	7.4	5.9	5.1
77.5°	1508.3	423.6	21.3	11.8	8.8	7.4	8.1	8.1	6.6	5.1	4.4
80°	399.3	116.2	14.7	8.8	7.4	5.9	5.9	7.4	5.9	4.4	4.4
82.5°	116.2	33.8	10.3	7.4	5.9	5.1	5.1	5.1	4.4	3.7	2.9
85°	56.6	12.5	7.4	5.9	5.1	4.4	3.7	3.7	2.9	2.2	2.2
87.5°	25.0	5.1	5.9	5.1	5.1	3.7	2.9	2.2	2.2	1.5	0.7
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)