

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: P632260

Luminaire Tested: GWS-SA2C-735-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632260  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-735-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

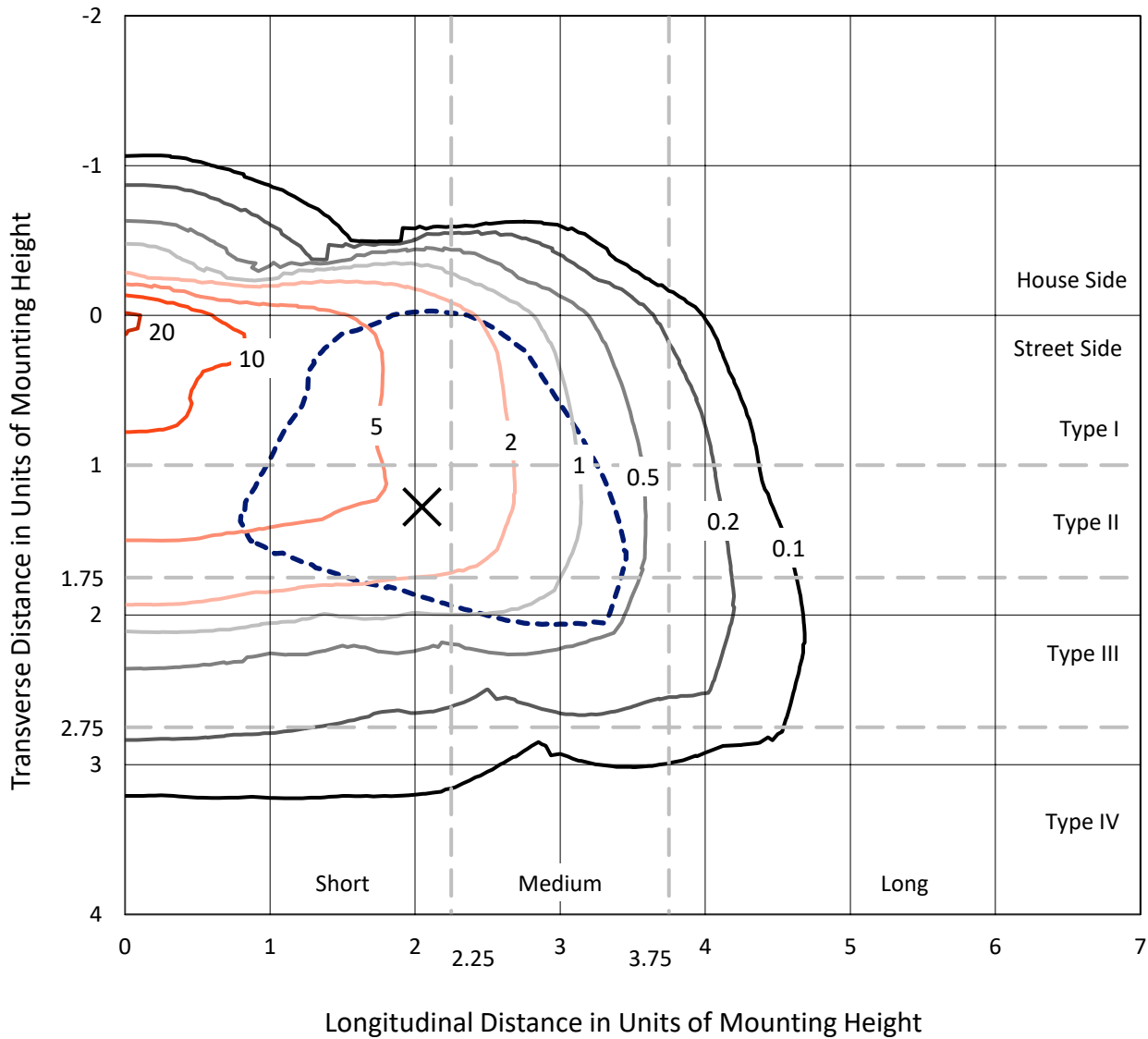
Lumens per Lamp: N/A  
Luminaire Lumens: 7393.3 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P632260  
 CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

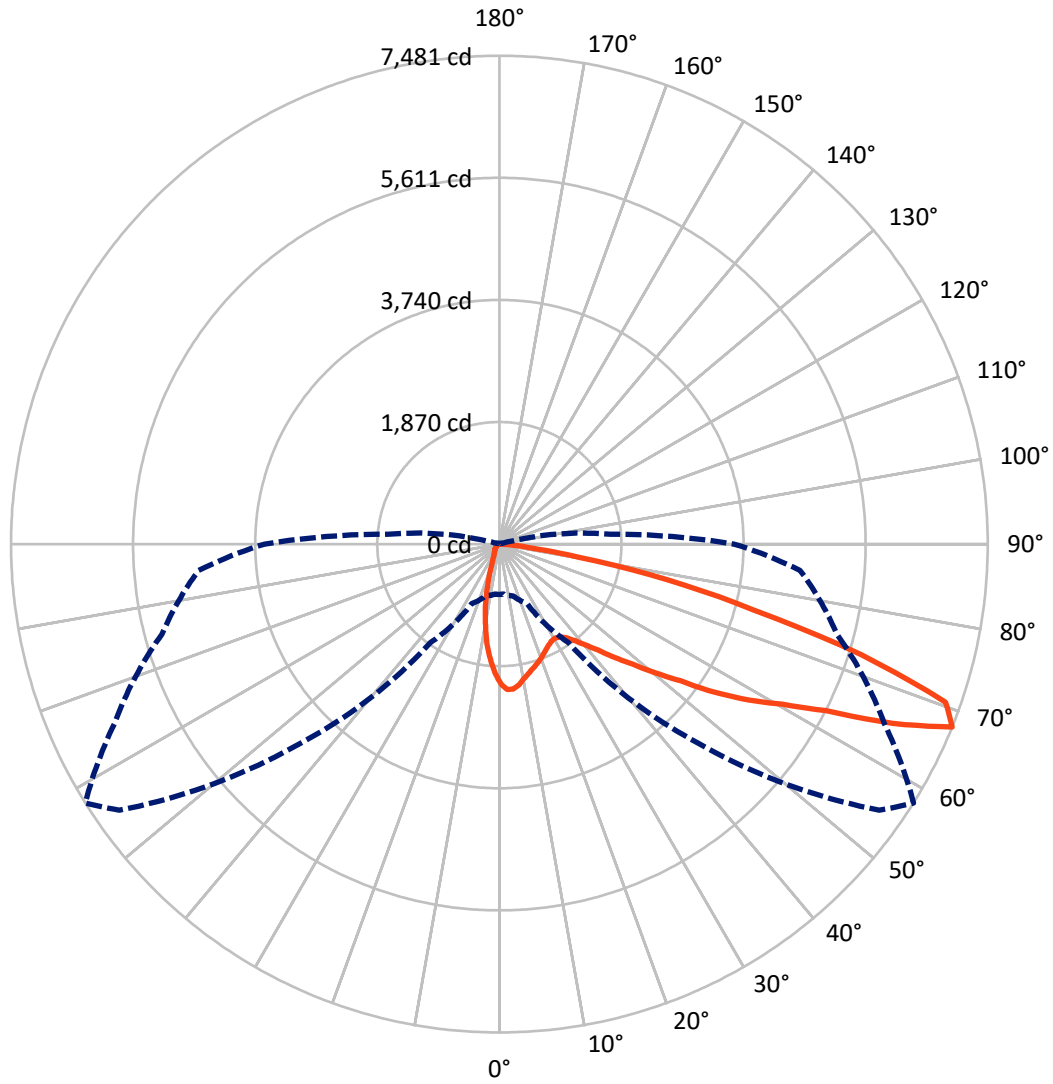
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P632260  
CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-HSS

### Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	722.3	0.0	722.3
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	6671.0	0.0	6671.0
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	7393.3	0.0	7393.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.3	2.3
10°-20°	360.7	4.9
20°-30°	486.5	6.6
30°-40°	683.6	9.2
40°-50°	1055.7	14.3
50°-60°	1688.3	22.8
60°-70°	1999.0	27.0
70°-80°	884.3	12.0
80°-90°	61.8	0.8
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°	7393.3	100.0
0°-180°	7393.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632260

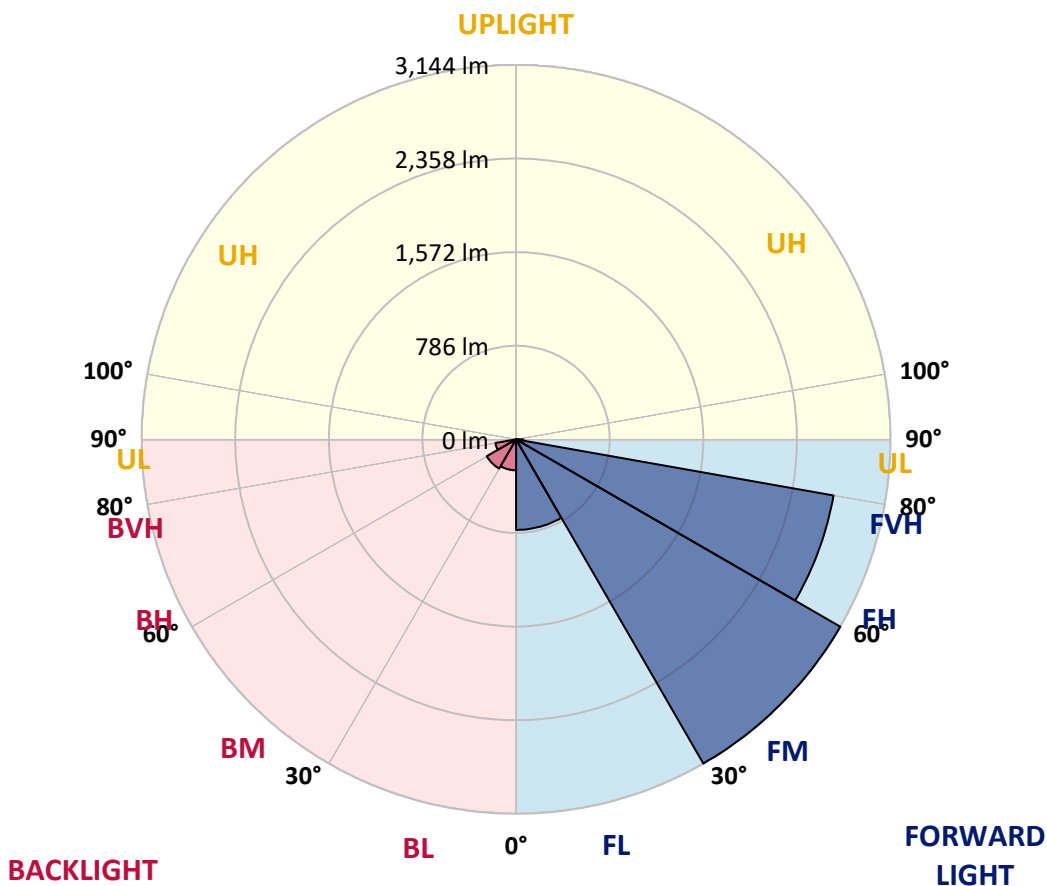
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	760.6	10.3			
FM (30°-60°)	3144.2	42.5			
FH (60°-80°)	2707.0	36.6			G2/5000
FVH (80°-90°)	59.2	0.8			G1/100
BL (0°-30°)	259.9	3.5	B1/500		
BM (30°-60°)	283.4	3.8	B1/1000		
BH (60°-80°)	176.3	2.4	B1/500		G1/500
BVH (80°-90°)	2.6	0.0			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 III Short





REPORT NUMBER: P632260

CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6
2.5°	2243.2	2247.1	2252.3	2258.9	2257.6	2251.7	2244.5	2228.1	2217.6	2184.9	2145.0
5°	2171.2	2170.5	2183.6	2196.0	2218.3	2230.1	2246.4	2231.4	2226.1	2186.9	2122.1
7.5°	2030.5	2037.7	2052.7	2072.4	2104.4	2139.1	2178.4	2173.8	2189.5	2163.3	2082.8
10°	1892.4	1888.5	1912.1	1941.5	1990.6	2035.1	2092.0	2091.3	2132.6	2130.0	2038.3
12.5°	1771.4	1770.7	1789.0	1822.4	1880.0	1942.2	2019.4	2021.3	2072.4	2093.3	2000.4
15°	1669.3	1670.6	1688.3	1722.9	1782.5	1858.4	1948.0	1964.4	2022.0	2064.5	1963.1
17.5°	1596.6	1597.3	1607.8	1637.9	1696.1	1777.3	1885.2	1907.5	1981.4	2042.9	1933.0
20°	1563.3	1560.7	1562.6	1577.7	1622.8	1696.8	1821.1	1849.9	1944.1	2027.9	1905.5
22.5°	1567.9	1563.9	1554.8	1552.8	1573.1	1629.4	1753.0	1788.4	1903.5	2018.7	1880.6
25°	1608.4	1599.9	1586.8	1567.2	1559.4	1587.5	1693.5	1730.1	1865.6	2019.4	1861.7
27.5°	1670.6	1661.4	1645.1	1618.9	1588.1	1576.4	1652.9	1687.6	1838.8	2034.4	1852.5
30°	1749.8	1742.6	1726.9	1695.5	1654.2	1605.8	1644.4	1673.2	1825.7	2065.2	1856.4
32.5°	1843.3	1838.1	1825.0	1796.2	1749.1	1675.2	1673.2	1695.5	1836.1	2109.7	1871.5
35°	1933.6	1935.6	1936.3	1920.6	1870.2	1780.5	1752.4	1760.2	1879.3	2176.4	1905.5
37.5°	2031.1	2026.6	2050.1	2061.2	2012.8	1917.3	1874.8	1875.4	1961.8	2275.2	1969.6
40°	2105.1	2106.4	2157.4	2203.2	2183.0	2090.7	2029.8	2029.2	2088.7	2410.7	2073.0
42.5°	2174.5	2183.0	2258.2	2336.7	2364.9	2283.1	2239.2	2222.9	2266.7	2593.9	2228.1
45°	2248.4	2260.8	2366.2	2478.1	2552.0	2503.6	2468.9	2475.5	2480.7	2807.2	2436.9
47.5°	2334.8	2342.6	2472.8	2630.5	2768.6	2756.2	2758.1	2750.3	2747.7	3076.2	2713.0
50°	2439.5	2457.8	2607.6	2796.1	2984.6	3067.0	3094.5	3097.8	3055.2	3369.3	2999.0
52.5°	2662.0	2684.2	2812.5	2977.4	3220.1	3393.5	3505.4	3483.2	3417.7	3653.3	3312.4
55°	2924.4	2941.4	3065.0	3235.8	3508.0	3751.5	4017.1	4008.0	3847.7	3952.4	3570.2
57.5°	2949.2	2968.2	3159.9	3421.7	3877.8	4193.8	4473.2	4502.7	4267.8	4164.4	3800.6
60°	2669.8	2708.4	2970.2	3322.2	4019.1	4788.6	4973.2	4979.1	4576.0	4379.7	4081.9
62.5°	2139.8	2158.1	2421.8	2881.2	3801.2	5135.5	5736.8	5612.5	4971.9	4712.7	4527.5
65°	1121.6	1196.2	1425.9	1934.3	3082.7	5014.4	6655.5	6621.5	5683.8	5189.8	4874.4
67.5°	769.5	768.9	823.2	1008.4	1838.1	4317.5	7106.4	7480.7	6507.0	5353.4	4623.1
70°	585.7	587.6	636.0	756.4	952.1	2874.0	6611.7	7251.7	6660.1	4860.6	3739.0
72.5°	388.7	392.6	473.1	611.2	760.4	1408.8	5138.1	5802.3	5604.0	3903.9	2631.9
75°	232.3	235.6	293.2	444.3	676.0	788.5	3264.6	4011.3	3857.5	2690.7	1410.8
77.5°	95.5	98.2	150.5	276.8	494.7	612.5	1805.4	2624.7	2310.6	1069.9	385.4
80°	39.9	41.2	72.6	193.7	356.6	384.1	836.3	1233.5	946.9	230.3	117.8
82.5°	14.4	15.1	26.8	106.7	221.8	289.2	422.1	487.5	267.0	75.3	63.5
85°	0.7	0.7	6.5	36.0	84.4	81.8	241.5	233.6	88.3	31.4	38.0
87.5°	0.0	0.0	0.7	0.7	1.3	3.3	22.9	40.6	19.0	7.9	16.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6
2.5°	2118.8	2084.2	2046.2	2010.9	1954.6	1921.2	1880.0	1861.7	1835.5	1828.9	1832.9
5°	2075.6	2016.1	1925.1	1842.7	1736.0	1650.3	1563.9	1527.3	1480.2	1448.8	1435.7
7.5°	2014.8	1936.9	1794.9	1645.1	1498.5	1342.1	1223.0	1144.5	1073.2	1033.9	1026.0
10°	1953.3	1851.9	1648.3	1433.7	1206.6	1019.5	858.5	739.4	642.6	598.7	564.7
12.5°	1889.8	1763.5	1499.1	1219.1	955.4	700.2	501.2	385.4	316.1	288.6	293.2
15°	1831.6	1678.4	1351.3	1004.4	672.7	422.7	276.8	233.6	217.2	212.0	211.4
17.5°	1775.9	1598.0	1204.0	795.7	443.7	259.1	212.0	201.5	197.0	194.3	194.3
20°	1725.6	1520.7	1060.1	599.4	286.6	205.5	191.7	186.5	182.6	180.6	180.6
22.5°	1678.4	1446.1	919.4	424.0	211.4	184.5	176.0	170.8	166.2	163.6	163.6
25°	1635.9	1378.7	785.2	291.8	181.9	168.8	159.7	153.8	145.9	141.3	141.3
27.5°	1605.2	1318.5	656.3	212.7	164.2	151.8	141.3	133.5	125.0	119.7	118.4
30°	1586.8	1267.5	526.1	174.7	147.9	135.5	123.7	113.9	104.0	98.8	98.2
32.5°	1576.4	1220.4	407.0	152.5	134.1	119.7	106.7	96.2	86.4	80.5	79.8
35°	1580.3	1183.7	304.9	137.4	121.1	106.0	91.6	81.1	72.6	67.4	66.1
37.5°	1614.3	1167.4	229.0	125.6	109.9	94.2	79.2	69.4	61.5	57.6	56.9
40°	1680.4	1170.7	180.0	116.5	100.8	82.4	68.1	58.9	53.0	49.7	49.1
42.5°	1783.1	1198.1	148.5	108.6	91.0	72.0	58.9	51.7	45.8	42.5	41.9
45°	1936.3	1255.1	129.6	99.5	80.5	62.2	51.0	44.5	39.3	35.3	34.7
47.5°	2158.1	1353.9	117.1	91.0	71.3	53.7	43.8	37.3	32.7	29.4	28.8
50°	2394.3	1472.3	106.7	82.4	63.5	46.5	37.3	30.8	26.8	23.6	22.9
52.5°	2646.3	1599.9	98.8	74.6	56.3	39.9	31.4	25.5	21.6	18.3	17.7
55°	2888.4	1728.2	89.6	69.4	47.8	34.0	26.2	20.9	17.0	14.4	14.4
57.5°	3123.9	1846.0	79.8	60.9	39.3	28.8	21.6	17.0	13.7	11.8	11.1
60°	3405.3	2008.9	68.7	51.7	32.7	24.2	17.7	13.7	11.1	9.2	9.2
62.5°	3823.5	2178.4	58.9	43.2	27.5	20.3	14.4	11.1	9.2	7.9	7.2
65°	3960.2	2086.8	49.7	35.3	22.2	16.4	11.8	9.8	7.9	7.2	6.5
67.5°	3595.1	1710.5	41.2	28.8	18.3	13.7	10.5	8.5	7.2	6.5	5.9
70°	2805.3	1213.8	32.1	21.6	15.1	11.1	9.2	7.9	6.5	5.9	5.9
72.5°	1908.1	717.8	25.5	16.4	12.4	9.8	7.9	7.2	6.5	5.9	5.2
75°	939.7	255.2	19.6	12.4	9.8	8.5	7.2	6.5	5.9	5.2	5.2
77.5°	253.2	70.7	15.1	9.8	7.9	6.5	6.5	6.5	5.9	4.6	4.6
80°	85.7	29.4	11.1	7.2	6.5	5.2	4.6	5.9	5.2	4.6	3.9
82.5°	47.1	14.4	7.9	5.9	4.6	3.9	3.9	3.9	3.9	3.3	3.3
85°	30.1	7.9	5.2	4.6	4.6	3.3	2.6	2.6	2.0	2.0	2.0
87.5°	13.7	4.6	4.6	3.9	3.9	3.3	2.0	1.3	0.7	0.7	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)