

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: P631326

Luminaire Tested: GWS-SA1F-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8254.9 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

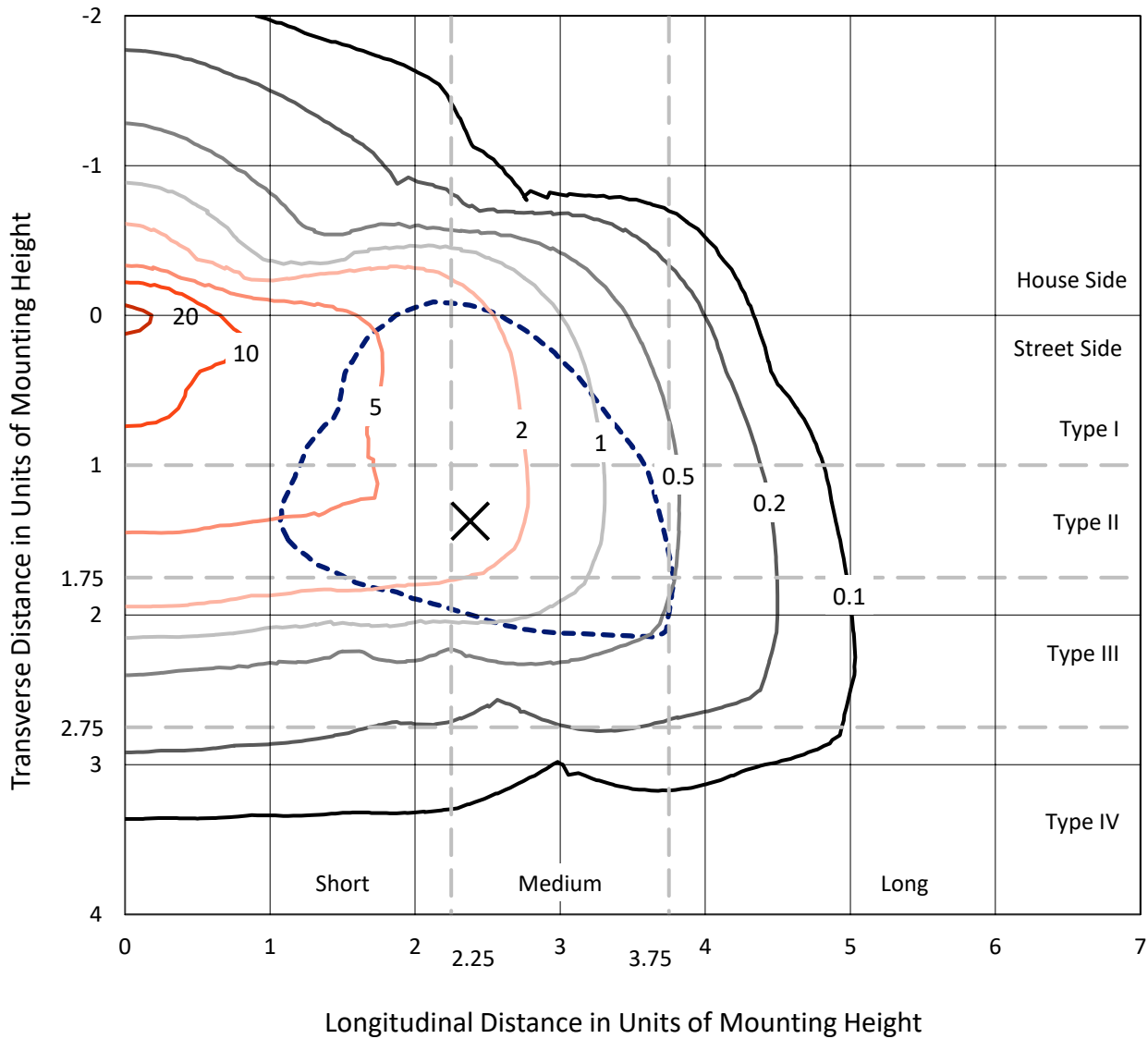
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631326
 CATALOG NUMBER: GWS-SA1F-740-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

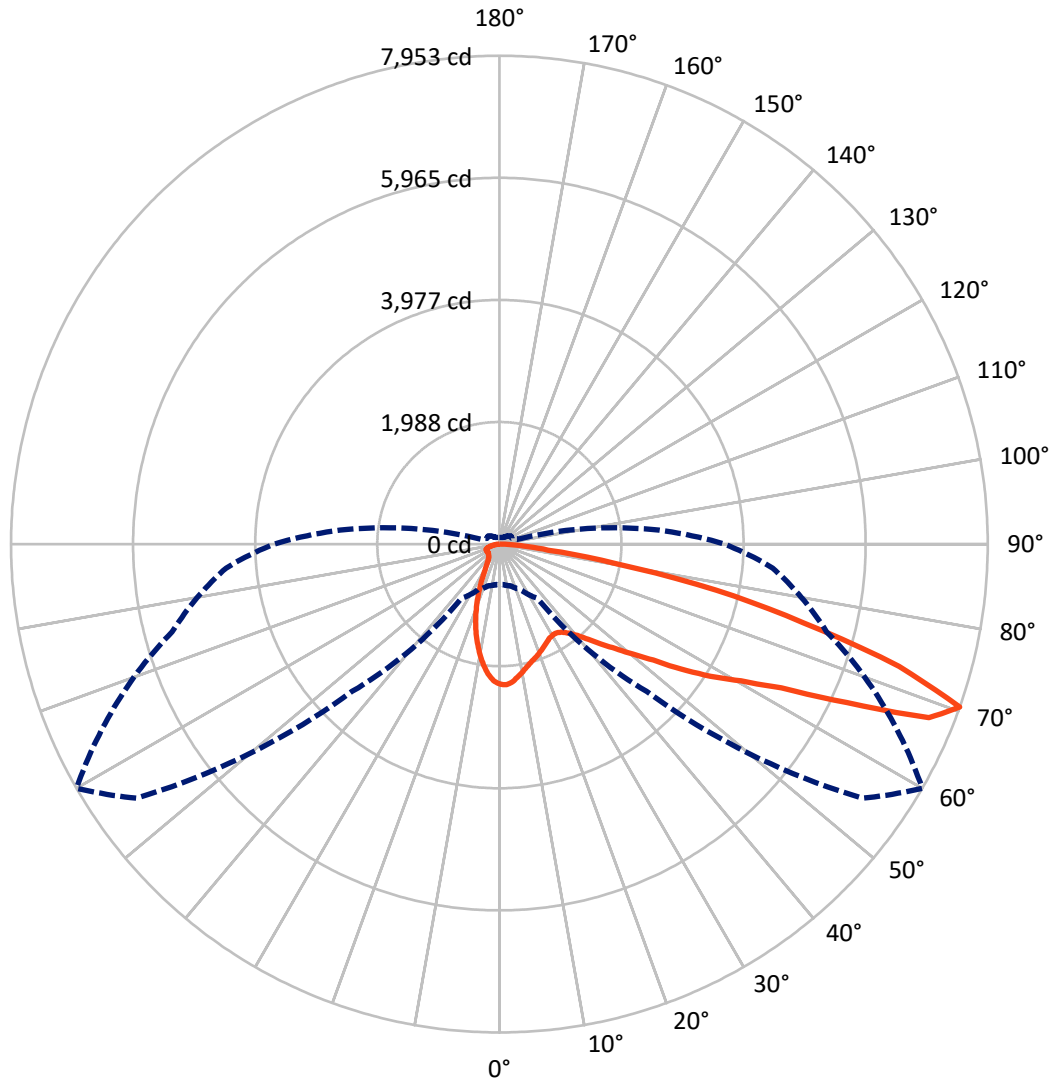
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P631326
CATALOG NUMBER: GWS-SA1F-740-U-SL3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P631326

CATALOG NUMBER: GWS-SA1F-740-U-SL3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1411.8	0.0	1411.8
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	6843.1	0.0	6843.1
	% Fixture	82.9	0.0	82.9
Total	Lumens	8254.9	0.0	8254.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.9	2.4
10°-20°	441.1	5.3
20°-30°	564.9	6.8
30°-40°	742.4	9.0
40°-50°	1077.1	13.0
50°-60°	1680.6	20.4
60°-70°	2200.2	26.7
70°-80°	1216.6	14.7
80°-90°	135.0	1.6
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°	8254.9	100.0
0°-180°	8254.9	100.0

Coefficient of Utilization



REPORT NUMBER: P631326

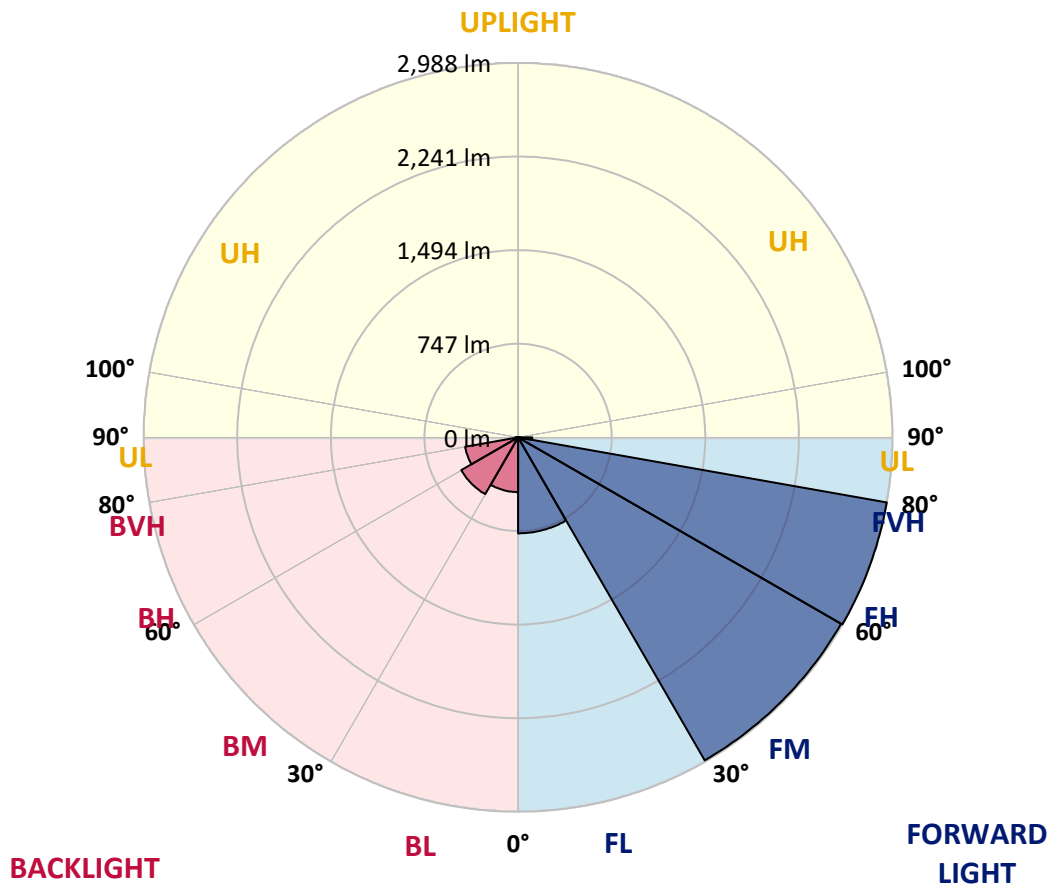
CATALOG NUMBER: GWS-SA1F-740-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	766.1	9.3			
FM (30°-60°)	2976.7	36.1			
FH (60°-80°)	2987.8	36.2			G2/5000
FVH (80°-90°)	112.5	1.4			G2/225
BL (0°-30°)	436.8	5.3	B1/500		
BM (30°-60°)	523.4	6.3	B1/1000		
BH (60°-80°)	429.0	5.2	B1/500		G1/500
BVH (80°-90°)	22.5	0.3			G1/100
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 Medium





REPORT NUMBER: P631326
 CATALOG NUMBER: GWS-SA1F-740-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2
2.5°	2252.2	2254.6	2261.3	2271.0	2280.6	2285.4	2297.5	2293.9	2291.5	2286.7	2280.6
5°	2152.6	2157.4	2163.4	2182.2	2203.3	2220.2	2247.4	2250.4	2251.6	2254.0	2244.4
7.5°	2025.7	2026.9	2041.4	2066.2	2094.0	2123.0	2168.3	2181.0	2191.8	2203.9	2196.1
10°	1885.6	1888.6	1899.5	1935.1	1982.9	2025.7	2086.7	2107.9	2130.8	2157.4	2146.5
12.5°	1770.9	1771.5	1789.0	1827.0	1879.0	1937.0	2013.1	2038.4	2068.6	2110.3	2100.6
15°	1679.7	1679.7	1696.0	1728.6	1788.4	1856.6	1947.2	1979.8	2020.9	2077.1	2060.2
17.5°	1607.2	1607.8	1618.1	1652.5	1705.6	1781.1	1888.6	1932.7	1978.0	2052.3	2026.9
20°	1569.1	1566.1	1567.9	1589.1	1634.4	1707.4	1830.0	1881.4	1942.4	2035.4	1996.7
22.5°	1567.3	1561.9	1554.0	1555.8	1582.4	1642.8	1767.2	1829.4	1906.1	2021.5	1965.9
25°	1598.1	1592.1	1578.2	1562.5	1560.1	1596.3	1708.0	1778.7	1868.7	2015.5	1936.3
27.5°	1650.1	1645.8	1627.7	1604.2	1579.4	1578.2	1663.4	1737.0	1841.5	2021.5	1915.2
30°	1718.9	1711.7	1700.2	1670.0	1632.5	1593.9	1645.8	1714.7	1823.4	2040.8	1906.1
32.5°	1796.8	1792.6	1781.7	1751.5	1711.7	1650.1	1659.7	1719.5	1823.4	2074.7	1908.0
35°	1879.6	1879.0	1879.0	1859.0	1814.9	1738.2	1714.7	1760.6	1851.2	2129.0	1927.3
37.5°	1959.9	1959.3	1978.6	1985.9	1935.7	1853.0	1808.3	1842.7	1912.2	2209.3	1975.0
40°	2025.1	2027.5	2069.8	2106.1	2078.3	2001.6	1938.8	1956.3	2011.2	2323.5	2058.4
42.5°	2091.0	2097.6	2161.0	2225.0	2235.9	2169.5	2106.1	2116.3	2153.2	2474.5	2182.8
45°	2162.8	2165.9	2254.6	2344.0	2396.6	2357.3	2305.4	2319.3	2327.7	2661.1	2368.2
47.5°	2232.3	2240.1	2354.9	2477.5	2577.2	2573.5	2544.6	2540.3	2542.1	2888.2	2587.4
50°	2327.1	2338.6	2473.3	2621.3	2767.4	2834.5	2842.9	2810.9	2797.6	3140.7	2860.4
52.5°	2507.1	2507.1	2627.9	2773.5	2969.8	3135.8	3192.6	3140.1	3097.8	3407.6	3150.3
55°	2732.4	2742.1	2838.1	2955.9	3204.7	3452.9	3645.0	3587.0	3467.4	3698.1	3454.1
57.5°	2832.6	2844.7	2996.9	3179.9	3512.1	3813.5	4079.9	4059.3	3884.8	4000.1	3769.4
60°	2651.5	2676.8	2886.4	3193.2	3790.6	4395.1	4583.0	4523.2	4273.7	4317.2	4111.3
62.5°	2211.8	2239.5	2472.1	2900.3	3751.9	5023.9	5376.0	5155.5	4759.3	4717.7	4566.7
65°	1319.7	1318.5	1598.1	2165.9	3275.4	5198.4	6631.1	6219.7	5509.5	5267.3	5035.3
67.5°	838.9	837.1	895.7	1147.6	2179.7	4770.8	7438.0	7544.9	6528.4	5671.3	5074.0
70°	662.0	661.4	703.6	818.4	1078.1	3394.9	7213.3	7953.2	7143.8	5517.3	4467.6
72.5°	482.6	483.8	549.0	685.5	831.7	1704.4	5841.1	6805.0	6570.7	4870.5	3626.9
75°	346.7	348.5	387.8	524.9	767.0	931.9	3884.2	5116.9	4999.1	3904.1	2495.0
77.5°	220.5	222.9	257.3	367.8	619.7	752.6	2354.9	3612.4	3326.1	2199.7	887.2
80°	134.7	142.5	171.5	274.2	495.3	564.7	1177.1	1903.1	1665.8	603.4	298.4
82.5°	69.5	75.5	103.3	169.7	341.2	495.9	666.2	799.7	515.8	252.5	158.8
85°	21.7	25.4	36.2	68.9	162.5	307.4	440.9	397.4	236.8	119.0	73.7
87.5°	5.4	5.4	6.0	6.0	6.6	13.9	85.2	90.0	62.8	37.4	30.2
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: P631326
 CATALOG NUMBER: GWS-SA1F-740-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2
2.5°	2268.5	2254.0	2248.0	2247.4	2232.3	2210.6	2196.1	2185.8	2179.7	2178.5	2178.5
5°	2228.1	2209.3	2184.6	2165.9	2125.4	2084.3	2049.9	2030.6	2008.2	2005.2	2004.6
7.5°	2174.3	2147.1	2100.0	2047.5	1976.8	1908.6	1850.6	1811.3	1772.1	1764.8	1762.4
10°	2116.3	2079.5	1999.2	1906.8	1801.1	1699.0	1610.2	1540.7	1494.8	1462.2	1456.2
12.5°	2059.0	2010.0	1892.3	1754.6	1609.6	1470.1	1336.6	1223.1	1140.9	1093.2	1084.7
15°	2005.2	1937.0	1775.7	1599.9	1411.5	1220.6	1031.6	884.2	768.9	727.8	718.1
17.5°	1956.3	1871.1	1662.7	1439.9	1204.9	955.5	740.5	609.4	541.8	521.2	516.4
20°	1907.4	1803.5	1548.0	1271.4	985.7	706.0	541.2	479.6	454.2	446.3	443.9
22.5°	1854.8	1729.2	1423.0	1105.3	764.0	528.5	442.7	415.5	407.7	408.3	407.7
25°	1802.3	1653.7	1291.9	924.7	568.9	428.8	386.5	376.3	378.1	383.5	384.7
27.5°	1758.8	1586.6	1163.3	726.6	444.5	369.0	349.1	348.5	355.1	362.4	363.6
30°	1727.4	1526.9	1036.4	558.7	366.0	328.0	320.1	323.7	331.6	337.0	338.8
32.5°	1705.0	1475.5	901.1	439.1	320.7	299.0	295.3	299.0	303.8	309.2	310.4
35°	1697.2	1438.1	768.3	358.2	289.9	277.8	275.4	277.2	279.6	282.7	283.9
37.5°	1714.7	1419.3	629.3	311.7	271.2	263.9	260.3	259.1	259.7	260.9	261.5
40°	1766.6	1427.8	515.8	284.5	259.1	252.5	246.4	244.0	243.4	244.6	244.0
42.5°	1856.0	1463.4	433.7	268.8	249.4	239.8	233.1	230.7	230.7	233.7	233.7
45°	1987.1	1533.5	374.5	257.3	241.0	228.9	221.7	220.5	222.9	227.7	228.3
47.5°	2179.1	1636.2	338.8	248.8	233.1	219.2	212.0	211.4	216.2	224.1	224.7
50°	2406.8	1784.1	319.5	242.8	227.7	211.4	204.1	204.7	210.2	218.6	220.5
52.5°	2681.0	1985.9	320.7	240.4	224.7	206.6	199.3	198.1	203.5	212.0	213.8
55°	2964.3	2231.1	344.3	241.0	220.5	204.1	194.5	190.3	195.1	201.1	201.7
57.5°	3276.0	2507.7	402.9	239.8	215.0	201.7	190.3	180.6	183.6	187.2	189.0
60°	3627.5	2833.3	529.1	242.2	212.6	196.3	181.8	169.1	168.5	170.9	171.5
62.5°	4097.4	3276.0	671.0	246.4	218.0	189.6	169.1	155.8	153.4	154.6	155.2
65°	4456.7	3487.4	626.3	242.8	229.5	184.8	157.0	143.1	138.3	137.1	137.1
67.5°	4310.6	3207.7	436.1	233.1	234.9	185.4	147.4	129.9	123.8	120.8	120.2
70°	3667.9	2605.6	303.2	223.5	228.9	184.2	137.1	119.0	111.1	106.9	106.3
72.5°	2897.9	1989.5	245.2	204.1	207.8	166.1	122.0	106.9	100.3	94.8	94.8
75°	1865.1	1214.0	204.7	181.8	169.7	129.3	105.7	95.4	88.8	83.3	83.3
77.5°	627.5	450.6	158.8	154.0	126.8	97.2	88.8	82.1	76.7	71.9	71.3
80°	254.9	213.8	116.6	116.6	88.8	74.3	69.5	66.4	62.8	56.8	56.8
82.5°	148.0	129.9	81.5	70.7	59.2	51.3	48.3	45.3	45.3	41.1	41.1
85°	71.3	71.9	48.9	43.5	33.8	29.6	28.4	26.6	26.0	23.6	23.0
87.5°	38.7	39.3	24.8	19.3	13.3	11.5	9.7	9.1	8.5	7.9	7.9
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)