

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: P630710

Luminaire Tested: GWS-SA1E-730-U-AFL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630710  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-730-U-AFL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

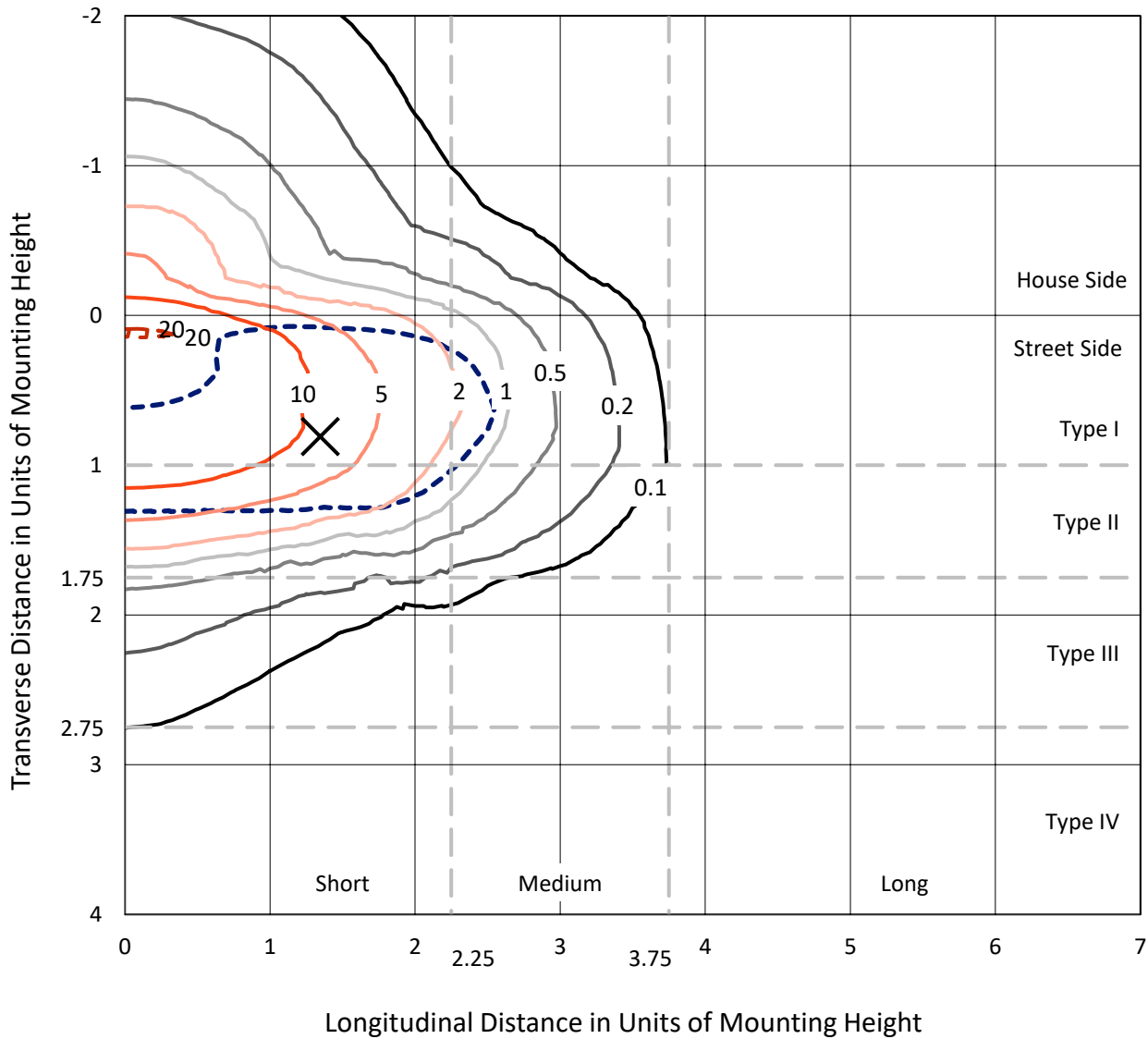
Lumens per Lamp: N/A  
Luminaire Lumens: 7026.7 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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: P630710  
 CATALOG NUMBER: GWS-SA1E-730-U-AFL-W

### Iso-Footcandle Lines of Horizontal Illumination

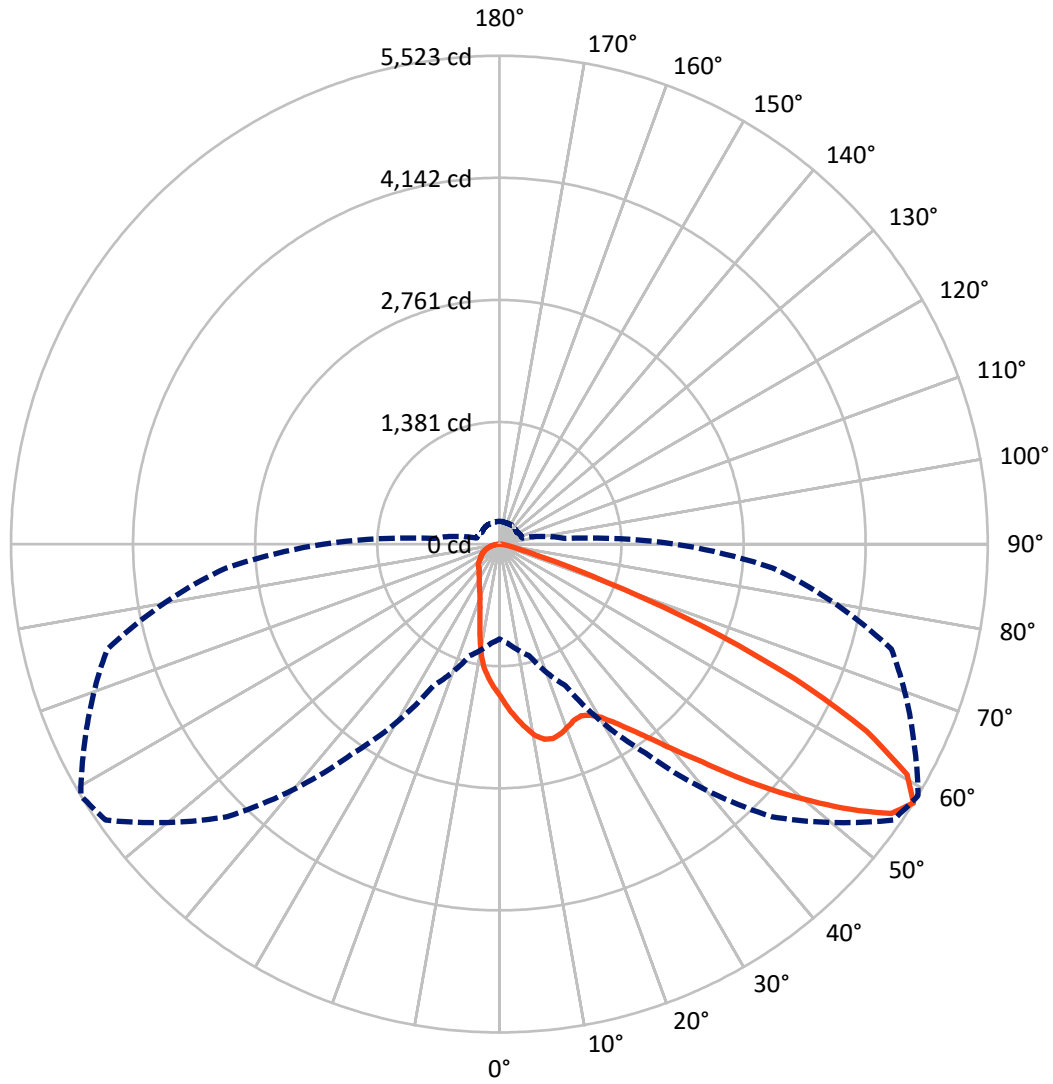
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.1 fc  
 Type II - Short - N/A

REPORT NUMBER: P630710  
CATALOG NUMBER: GWS-SA1E-730-U-AFL-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P630710

CATALOG NUMBER: GWS-SA1E-730-U-AFL-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1090.5	0.0	1090.5
	% Fixture	15.5	0.0	15.5
<b>Street Side</b>	Lumens	5936.2	0.0	5936.2
	% Fixture	84.5	0.0	84.5
<b>Total</b>	Lumens	7026.7	0.0	7026.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.2	2.3
10°-20°	405.8	5.8
20°-30°	657.9	9.4
30°-40°	1058.3	15.1
40°-50°	1643.4	23.4
50°-60°	1770.2	25.2
60°-70°	1027.4	14.6
70°-80°	268.2	3.8
80°-90°	35.3	0.5
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°	7026.7	100.0
0°-180°	7026.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630710

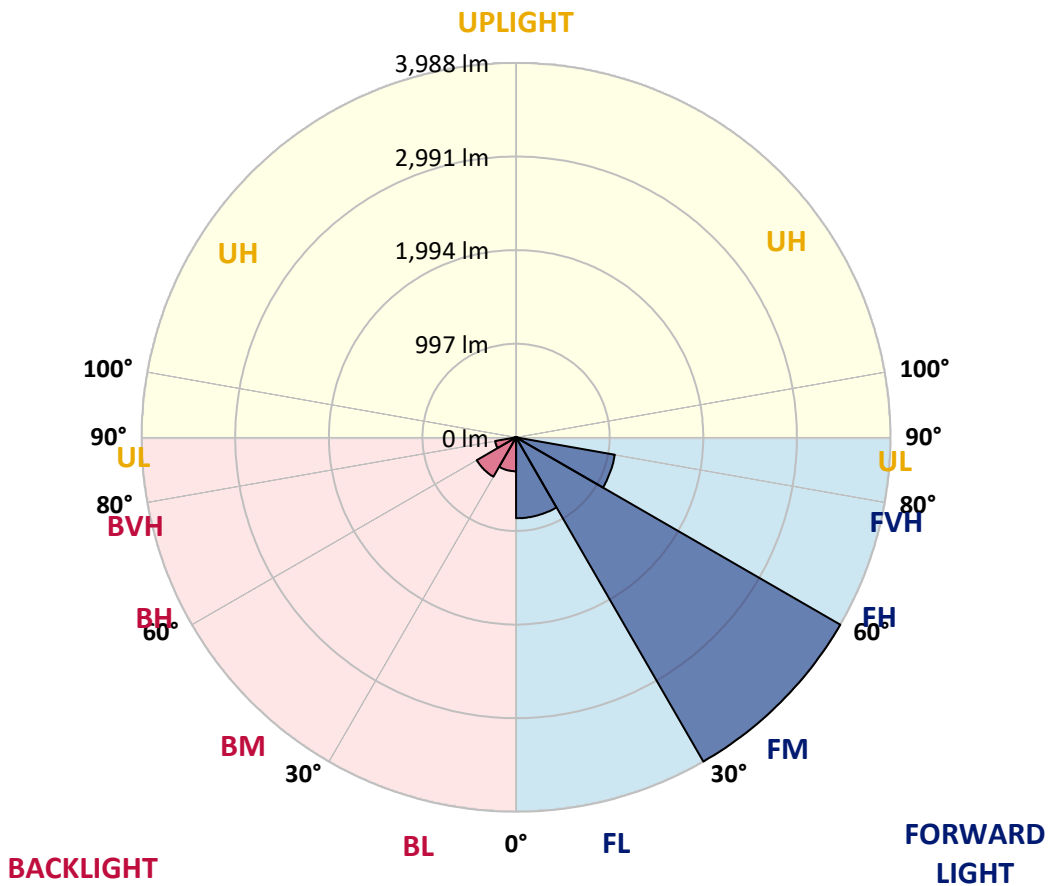
CATALOG NUMBER: GWS-SA1E-730-U-AFL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	862.1	12.3			
FM (30°-60°)	3988.4	56.8			
FH (60°-80°)	1068.7	15.2			G1/1800
FVH (80°-90°)	16.9	0.2			G1/100
BL (0°-30°)	361.8	5.1	B1/500		
BM (30°-60°)	483.5	6.9	B1/1000		
BH (60°-80°)	226.8	3.2	B1/500		G1/500
BVH (80°-90°)	18.4	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-G1**

Type II Short





REPORT NUMBER: P630710  
 CATALOG NUMBER: GWS-SA1E-730-U-AFL-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9
2.5°	1956.4	1940.1	1951.5	1931.2	1922.8	1900.5	1871.8	1852.5	1822.9	1784.3	1750.6
5°	2150.8	2139.4	2141.9	2120.2	2100.9	2063.8	2004.9	1972.2	1921.8	1844.1	1771.9
7.5°	2144.9	2158.2	2165.7	2184.5	2189.9	2186.4	2133.5	2088.0	2032.6	1915.9	1807.0
10°	1922.8	1948.0	1970.8	2035.1	2113.2	2212.2	2224.5	2197.3	2141.4	2007.4	1849.1
12.5°	1680.9	1700.2	1720.5	1797.6	1917.3	2115.2	2249.3	2266.1	2243.8	2097.9	1896.6
15°	1562.2	1571.1	1590.4	1641.3	1736.8	1956.4	2206.2	2279.9	2320.0	2193.9	1950.0
17.5°	1557.2	1561.2	1570.6	1597.8	1664.1	1833.7	2128.6	2252.2	2379.9	2295.3	2012.3
20°	1659.6	1649.2	1643.3	1642.8	1675.4	1792.7	2053.4	2207.7	2408.1	2399.1	2079.1
22.5°	1801.6	1805.1	1792.2	1760.5	1756.6	1821.9	2015.8	2162.7	2416.5	2491.2	2140.9
25°	2002.9	2020.2	1982.1	1921.8	1892.1	1906.5	2039.0	2148.8	2415.5	2567.8	2179.5
27.5°	2237.9	2251.2	2212.7	2133.5	2072.2	2037.5	2108.3	2189.9	2423.9	2634.1	2202.8
30°	2505.5	2510.0	2457.0	2373.9	2284.4	2210.2	2223.5	2274.5	2466.9	2721.2	2230.0
32.5°	2832.5	2851.3	2771.1	2639.6	2514.4	2419.4	2378.4	2411.0	2559.9	2824.1	2272.0
35°	3247.5	3253.9	3152.0	2963.6	2786.5	2654.9	2568.8	2586.1	2701.4	2968.0	2335.3
37.5°	3638.8	3645.2	3536.9	3361.8	3108.5	2928.4	2803.8	2795.9	2882.4	3171.3	2438.7
40°	3887.1	3905.4	3856.9	3747.1	3505.2	3262.3	3093.2	3066.0	3119.9	3420.1	2582.7
42.5°	4020.7	4028.6	4027.6	4041.9	3898.0	3656.6	3419.7	3365.2	3401.4	3688.8	2728.1
45°	4021.7	4041.5	4094.4	4232.4	4238.8	4088.4	3832.2	3747.1	3714.0	3959.3	2880.0
47.5°	3841.6	3862.9	4008.3	4279.9	4480.2	4514.4	4326.4	4155.7	4016.2	4192.3	3004.6
50°	3296.5	3349.9	3626.9	4107.2	4527.7	4855.7	4797.8	4566.3	4284.8	4372.4	3082.8
52.5°	2823.1	2821.1	2991.8	3619.5	4329.4	5006.1	5253.9	4988.7	4550.5	4486.7	3102.6
55°	2067.2	2078.6	2253.2	2768.2	3800.1	4860.6	5504.7	5377.6	4855.2	4547.5	3094.7
57.5°	1071.9	1128.3	1307.4	1766.5	2887.4	4360.0	5437.9	5522.5	5164.8	4590.5	3105.0
60°	541.7	530.8	595.1	843.4	1673.0	3405.3	5026.3	5295.9	5220.7	4624.2	3111.5
62.5°	361.6	358.6	340.8	390.8	683.6	2016.8	4284.8	4662.8	4832.4	4545.0	3029.4
65°	313.1	307.2	274.5	272.6	331.9	836.5	3140.7	3665.5	3994.0	4193.3	2833.0
67.5°	282.0	273.1	239.9	223.6	238.4	367.5	1769.9	2458.5	2949.2	3546.3	2402.6
70°	251.8	247.3	214.2	190.4	189.0	224.1	652.0	1268.8	1804.6	2419.4	1756.6
72.5°	225.6	217.7	189.5	166.7	155.3	158.8	283.0	488.7	933.9	1509.2	1050.7
75°	195.4	189.5	164.7	142.0	128.1	116.2	172.6	226.1	425.9	717.3	496.2
77.5°	150.9	146.9	130.1	112.8	104.9	86.6	104.9	142.5	196.9	302.2	258.2
80°	87.6	90.0	97.0	88.1	77.2	61.8	68.3	82.1	118.2	163.7	146.4
82.5°	44.0	47.0	62.8	51.0	46.0	36.1	40.6	48.5	61.8	90.5	57.4
85°	3.5	3.5	11.4	12.9	15.8	12.9	16.3	19.8	28.2	36.1	19.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.5	4.5	8.4	5.4
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: P630710  
 CATALOG NUMBER: GWS-SA1E-730-U-AFL-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9
2.5°	1727.9	1702.7	1672.5	1647.7	1609.7	1589.4	1563.7	1532.0	1519.1	1513.2	1509.7
5°	1731.3	1686.8	1622.5	1563.2	1497.4	1445.4	1387.5	1327.2	1292.6	1284.2	1278.2
7.5°	1744.2	1681.9	1579.5	1481.5	1359.4	1246.1	1135.8	1026.4	970.5	949.3	947.3
10°	1762.0	1679.9	1536.0	1373.2	1166.9	987.9	858.7	773.2	737.1	725.2	721.2
12.5°	1784.3	1678.4	1478.6	1222.8	944.8	775.6	701.9	688.1	693.0	692.0	692.0
15°	1812.5	1680.4	1409.3	1052.7	764.3	673.2	674.7	691.1	706.4	708.9	708.9
17.5°	1843.1	1678.4	1308.9	882.0	655.9	649.0	671.8	694.5	708.4	710.3	710.3
20°	1876.3	1669.0	1182.3	721.2	608.4	633.7	658.4	676.2	684.6	686.6	686.6
22.5°	1896.1	1642.3	1044.7	610.4	578.3	609.4	625.8	644.1	645.0	629.2	628.7
25°	1893.1	1592.3	887.9	539.2	546.1	573.3	594.1	581.2	565.4	556.5	555.0
27.5°	1874.3	1517.2	728.2	485.3	508.0	538.7	532.3	521.4	517.4	507.5	506.5
30°	1850.6	1424.6	584.7	443.2	468.5	496.6	486.8	485.8	481.8	470.9	470.9
32.5°	1827.8	1329.2	476.4	412.1	443.2	445.2	459.1	460.0	458.1	439.3	437.3
35°	1821.4	1233.7	403.2	387.3	418.5	417.5	437.3	436.8	402.7	376.4	375.9
37.5°	1840.7	1136.8	359.6	367.0	384.4	397.2	413.0	384.4	373.0	357.2	356.2
40°	1881.7	1047.2	337.4	355.2	362.6	381.4	356.7	358.6	355.7	343.8	342.3
42.5°	1936.1	971.0	325.0	351.2	350.2	355.2	328.0	335.9	340.3	331.4	329.9
45°	1988.6	904.8	318.6	336.4	341.3	312.6	307.2	314.6	321.5	318.1	316.6
47.5°	2027.2	847.4	315.1	316.1	329.9	298.3	289.4	292.8	301.3	302.7	302.2
50°	2039.0	798.4	311.1	299.3	296.3	283.9	277.0	276.0	285.9	292.8	293.8
52.5°	2016.3	754.9	300.8	284.4	270.1	272.1	269.6	264.6	274.5	283.9	284.9
55°	1982.6	730.1	284.4	270.1	253.3	261.2	262.2	257.7	264.2	270.6	270.6
57.5°	1985.1	744.5	268.6	256.7	238.4	248.8	254.3	252.3	252.3	257.2	257.7
60°	2001.4	765.3	258.2	239.9	223.6	234.5	246.8	244.9	240.4	246.8	246.8
62.5°	1954.4	737.6	251.3	223.6	207.8	220.6	235.5	234.5	229.5	239.9	240.9
65°	1815.9	663.4	243.4	203.3	191.9	206.8	219.6	223.1	218.6	232.5	235.0
67.5°	1522.1	558.0	228.0	184.0	176.1	190.0	202.3	207.3	203.8	220.1	222.1
70°	1134.8	451.6	203.8	162.7	156.8	169.2	180.6	182.5	183.0	202.3	204.3
72.5°	723.7	351.2	171.7	139.0	134.6	143.9	152.4	160.3	163.7	182.0	181.5
75°	403.7	261.2	138.0	117.7	109.8	117.2	127.1	136.5	146.4	173.1	176.1
77.5°	232.5	183.5	109.3	94.5	85.1	93.0	101.4	114.8	144.4	167.7	164.7
80°	131.1	119.2	82.6	69.3	63.3	69.3	75.7	100.9	113.8	123.7	125.2
82.5°	61.3	66.8	56.4	42.5	42.5	46.5	52.4	78.2	86.1	70.2	61.3
85°	22.3	30.2	27.7	21.8	19.3	18.8	32.6	44.5	27.7	24.7	21.3
87.5°	5.9	8.4	7.9	5.4	3.0	2.5	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)