

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: P633605

Luminaire Tested: GWS-SA2F-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633605  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2F-722-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

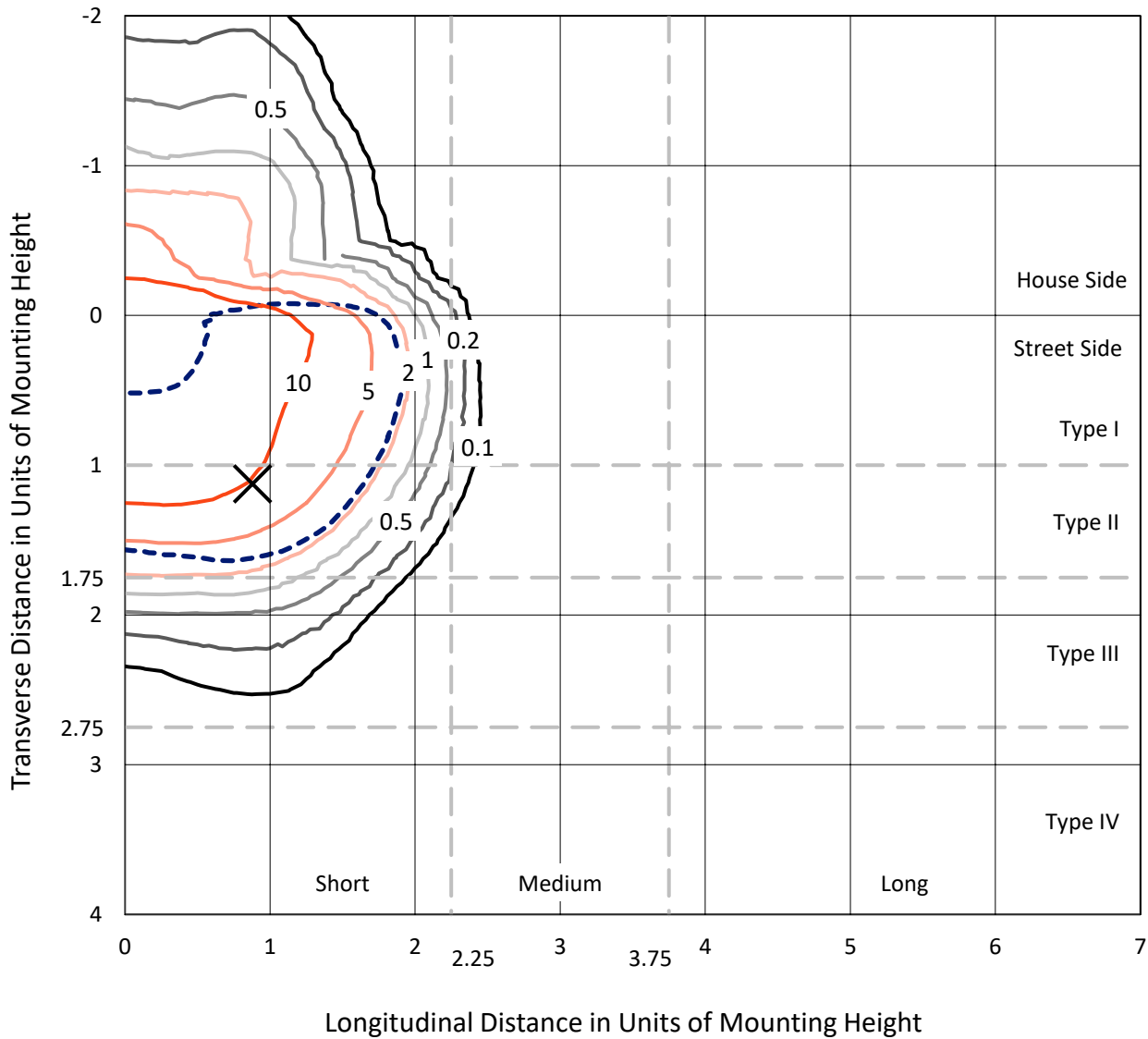
Lumens per Lamp: N/A  
Luminaire Lumens: 7494.6 lumens  
Efficiency: N/A  
Efficacy: 60.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P633605  
 CATALOG NUMBER: GWS-SA2F-722-U-T3R-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

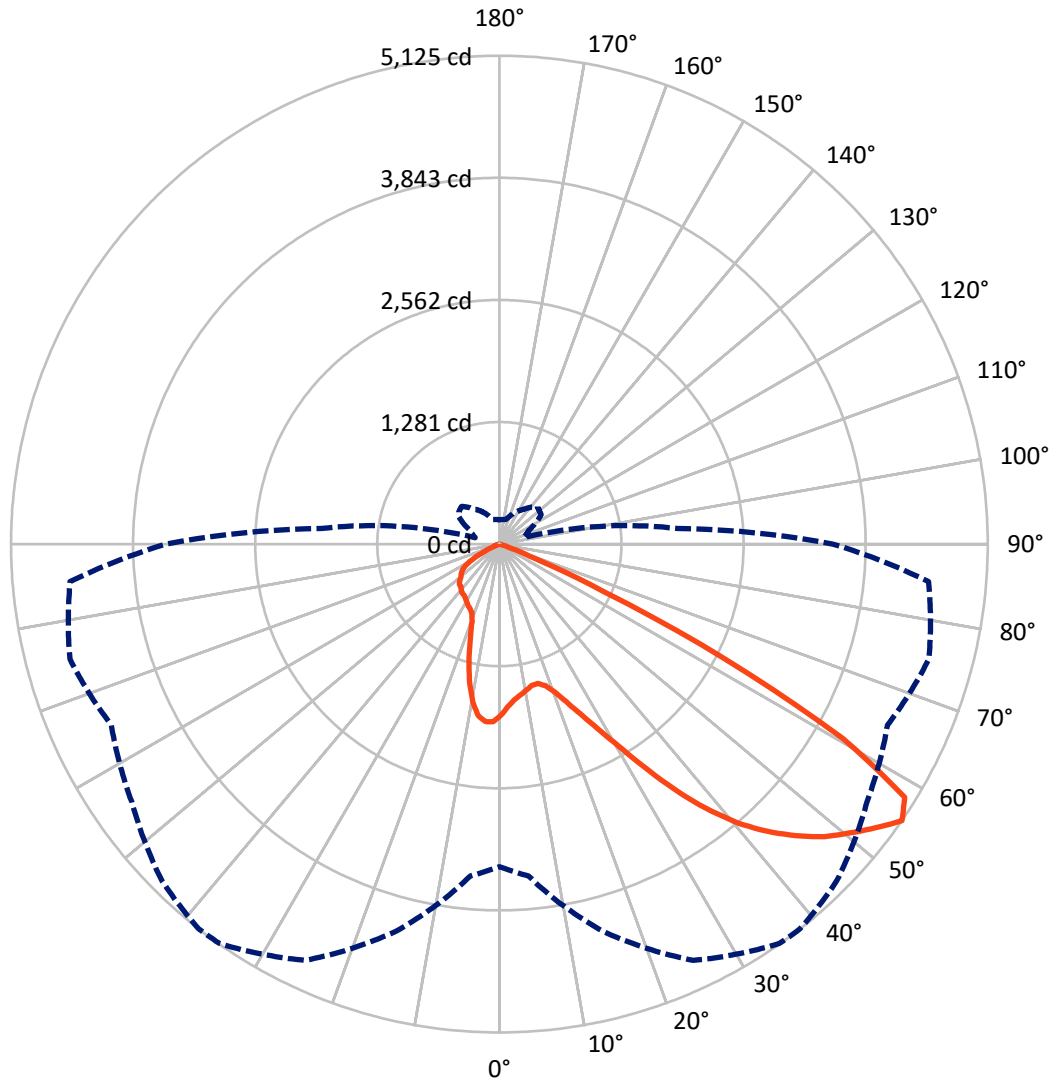
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P633605  
CATALOG NUMBER: GWS-SA2F-722-U-T3R-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P633605  
 CATALOG NUMBER: GWS-SA2F-722-U-T3R-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1460.2	0.0	1460.2
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	6034.4	0.0	6034.4
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	7494.6	0.0	7494.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.2	2.2
10°-20°	447.4	6.0
20°-30°	767.7	10.2
30°-40°	1273.3	17.0
40°-50°	1871.9	25.0
50°-60°	2187.3	29.2
60°-70°	741.4	9.9
70°-80°	37.9	0.5
80°-90°	1.5	0.0
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°	7494.6	100.0
0°-180°	7494.6	100.0

**Coefficient of Utilization**



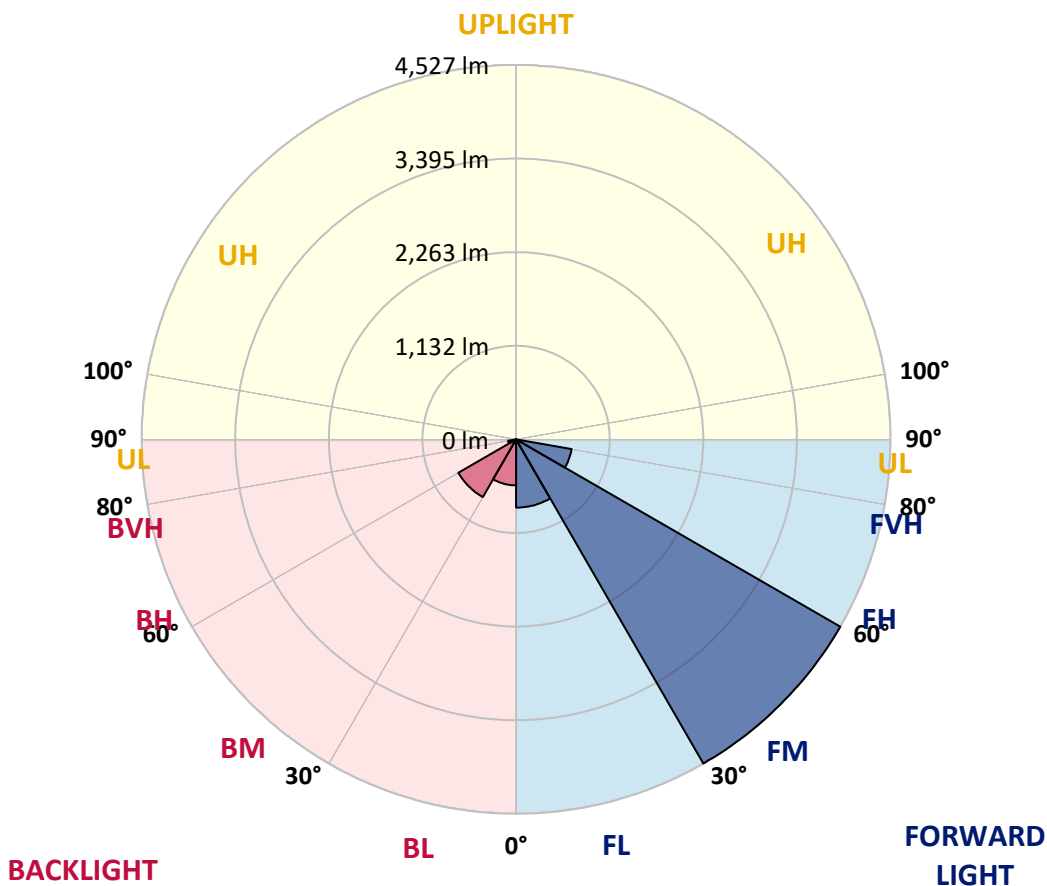
REPORT NUMBER: P633605

CATALOG NUMBER: GWS-SA2F-722-U-T3R-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	825.0	11.0			
FM (30°-60°)	4526.5	60.4			
FH (60°-80°)	682.1	9.1			G1/1800
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	556.3	7.4	B2/1000		
BM (30°-60°)	806.0	10.8	B1/1000		
BH (60°-80°)	97.2	1.3	B0/110		G0/110
BVH (80°-90°)	0.7	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-G1**  
 Type II Short





REPORT NUMBER: P633605

CATALOG NUMBER: GWS-SA2F-722-U-T3R-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3
2.5°	1673.9	1670.5	1677.3	1691.0	1703.9	1708.2	1721.0	1739.0	1750.1	1776.7	1798.1
5°	1598.5	1596.8	1603.7	1615.7	1632.8	1638.8	1658.5	1688.5	1718.5	1764.7	1810.1
7.5°	1530.0	1529.1	1539.4	1566.0	1590.8	1598.5	1622.5	1659.3	1699.6	1770.7	1837.5
10°	1440.0	1440.9	1460.6	1498.3	1543.7	1559.1	1597.7	1650.8	1703.0	1794.7	1887.2
12.5°	1410.9	1412.6	1422.9	1452.0	1501.7	1521.4	1575.4	1655.9	1722.7	1829.0	1951.5
15°	1482.0	1482.0	1473.4	1476.9	1499.1	1517.1	1573.7	1673.0	1756.1	1870.1	2014.9
17.5°	1619.9	1614.8	1593.4	1564.3	1556.5	1562.5	1607.9	1709.9	1803.3	1918.1	2086.8
20°	1806.7	1808.4	1766.4	1705.6	1656.8	1655.9	1683.3	1775.0	1870.9	1975.4	2164.8
22.5°	2032.8	2026.0	1970.3	1887.2	1802.4	1795.5	1806.7	1874.4	1968.6	2066.3	2260.7
25°	2295.0	2291.6	2212.7	2101.4	1989.2	1972.9	1972.9	2039.7	2108.2	2195.6	2375.5
27.5°	2569.1	2569.1	2492.9	2364.4	2215.3	2186.2	2181.9	2260.7	2306.1	2323.2	2472.3
30°	2850.9	2847.5	2772.1	2640.2	2480.9	2450.9	2438.9	2497.1	2529.7	2478.3	2593.1
32.5°	3137.1	3143.1	3066.8	2944.3	2802.1	2782.4	2745.6	2745.6	2772.1	2700.2	2783.3
35°	3444.6	3442.9	3382.9	3299.8	3178.2	3155.9	3095.1	3000.0	3040.3	3008.6	3046.3
37.5°	3716.2	3729.0	3699.9	3638.2	3539.7	3517.4	3417.2	3245.0	3275.8	3325.5	3358.9
40°	3992.0	4002.3	4031.4	4011.7	3887.5	3846.4	3668.2	3385.5	3419.8	3590.2	3686.2
42.5°	4262.7	4267.9	4327.0	4359.5	4193.3	4121.4	3858.4	3471.2	3507.1	3797.6	3965.5
45°	4434.9	4446.0	4543.7	4643.1	4463.2	4364.7	4023.7	3580.8	3596.2	3941.5	4171.9
47.5°	4428.1	4453.8	4637.1	4817.8	4695.3	4589.1	4222.5	3756.4	3730.7	4076.8	4308.1
50°	4290.1	4321.0	4584.0	4870.9	4862.4	4763.9	4443.5	4010.9	3930.3	4196.8	4325.3
52.5°	4004.0	4093.1	4490.6	4877.8	4996.9	4947.2	4716.7	4353.5	4200.2	4368.9	4352.7
55°	3385.5	3495.2	4207.0	4819.5	5118.5	5124.5	5003.7	4710.7	4493.2	4665.3	4521.4
57.5°	2570.0	2657.3	3238.2	4290.1	4917.2	5015.7	5115.1	4899.2	4673.9	4867.5	4560.8
60°	1548.8	1649.9	2027.7	3148.2	3971.5	4139.4	4529.1	4487.2	4215.6	4298.7	3740.2
62.5°	627.9	681.0	936.3	1734.7	2499.7	2656.5	3030.0	3093.4	3026.6	2941.8	2268.4
65°	229.6	251.0	375.2	717.0	1149.6	1207.0	1404.1	1516.3	1608.8	1369.8	843.8
67.5°	142.2	155.9	244.1	368.4	418.0	388.9	395.8	472.0	450.6	278.4	150.8
70°	105.4	116.5	191.0	255.3	168.8	130.2	88.2	94.2	84.8	74.5	73.7
72.5°	72.8	83.1	143.1	150.8	65.1	46.3	32.6	45.4	51.4	50.5	52.3
75°	48.0	55.7	89.9	59.1	16.3	12.8	11.1	24.0	30.8	30.8	31.7
77.5°	28.3	32.6	31.7	12.0	3.4	3.4	2.6	4.3	6.9	7.7	9.4
80°	3.4	2.6	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6
82.5°	0.9	0.9	0.9	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6
85°	0.0	0.0	0.9	0.9	1.7	1.7	1.7	1.7	1.7	2.6	2.6
87.5°	0.0	0.0	0.9	0.9	1.7	1.7	1.7	1.7	1.7	2.6	2.6
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: P633605  
 CATALOG NUMBER: GWS-SA2F-722-U-T3R-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3
2.5°	1814.4	1808.4	1833.2	1851.2	1865.8	1872.6	1863.2	1862.4	1862.4	1843.5	1838.4
5°	1835.8	1838.4	1873.5	1888.9	1891.5	1882.9	1861.5	1846.9	1838.4	1818.7	1807.5
7.5°	1876.9	1885.5	1918.9	1916.3	1893.2	1853.8	1797.3	1753.6	1725.3	1694.5	1675.6
10°	1936.0	1952.3	1972.9	1936.9	1863.2	1763.0	1646.5	1563.4	1513.7	1478.6	1457.2
12.5°	2008.0	2024.3	2017.4	1932.6	1779.3	1600.2	1450.3	1330.4	1273.0	1241.3	1219.0
15°	2080.8	2091.1	2046.5	1881.2	1631.1	1390.4	1223.3	1104.2	1034.0	1008.3	989.4
17.5°	2155.3	2152.8	2051.7	1780.1	1433.2	1153.9	989.4	908.1	888.4	884.1	882.4
20°	2233.3	2210.2	2031.1	1635.4	1195.0	920.0	826.7	831.8	867.8	884.9	888.4
22.5°	2322.4	2264.1	1979.7	1439.2	951.7	766.7	776.1	826.7	875.5	898.6	902.1
25°	2417.5	2313.8	1894.1	1187.3	750.4	705.0	760.7	819.0	871.2	899.5	902.9
27.5°	2480.0	2325.8	1753.6	933.8	644.2	681.0	740.2	795.8	849.8	880.6	884.9
30°	2547.7	2320.7	1562.5	719.6	608.2	660.5	711.9	762.4	812.1	846.4	849.8
32.5°	2647.1	2317.3	1329.5	584.2	593.7	644.2	681.9	723.9	758.1	777.8	775.3
35°	2777.3	2313.0	1058.0	526.8	585.1	631.4	661.3	681.0	643.3	631.4	633.9
37.5°	2944.3	2323.2	829.2	502.9	582.5	627.9	653.6	597.1	538.8	516.6	513.1
40°	3129.4	2349.8	632.2	493.4	591.1	636.5	624.5	531.1	459.2	415.5	406.1
42.5°	3315.3	2378.9	500.3	490.0	605.7	660.5	576.5	483.2	375.2	350.4	346.9
45°	3453.2	2373.8	432.6	484.0	618.5	674.2	563.7	414.6	335.0	323.8	324.7
47.5°	3522.6	2317.3	395.8	470.3	623.6	660.5	532.0	386.4	307.5	319.5	329.8
50°	3485.7	2170.8	361.5	443.7	612.5	642.5	481.4	364.9	293.8	343.5	366.6
52.5°	3441.2	1990.9	323.8	402.6	586.0	617.6	461.7	358.9	285.3	331.5	348.7
55°	3500.3	1876.9	262.1	339.2	533.7	559.4	446.3	358.1	265.6	257.9	255.3
57.5°	3417.2	1649.9	187.6	244.1	409.5	442.9	435.2	352.1	235.6	234.7	238.2
60°	2641.1	1006.6	128.5	155.1	251.0	282.7	394.9	336.7	203.0	186.8	187.6
62.5°	1500.9	428.3	88.2	95.9	128.5	152.5	301.5	305.8	187.6	178.2	187.6
65°	522.6	153.3	68.5	64.2	71.1	81.4	173.0	236.4	170.5	154.2	155.9
67.5°	107.9	76.2	60.8	53.1	53.1	53.1	88.2	147.3	140.5	122.5	124.2
70°	68.5	65.1	53.1	45.4	43.7	40.3	50.5	81.4	96.8	89.1	89.9
72.5°	50.5	49.7	42.0	36.8	32.6	29.1	31.7	40.3	49.7	51.4	52.3
75°	30.8	31.7	27.4	23.1	20.6	18.0	18.8	18.8	18.8	17.1	18.8
77.5°	9.4	10.3	8.6	6.9	6.0	6.0	6.0	5.1	4.3	2.6	2.6
80°	2.6	2.6	2.6	2.6	2.6	1.7	1.7	0.9	0.9	0.0	0.0
82.5°	2.6	2.6	2.6	2.6	1.7	1.7	0.9	0.9	0.0	0.0	0.0
85°	2.6	2.6	2.6	2.6	1.7	1.7	0.9	0.9	0.0	0.0	0.0
87.5°	2.6	2.6	2.6	2.6	1.7	1.7	0.9	0.9	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)