

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: P632086

Luminaire Tested: GWS-SA2C-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632086  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-722-U-RW-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

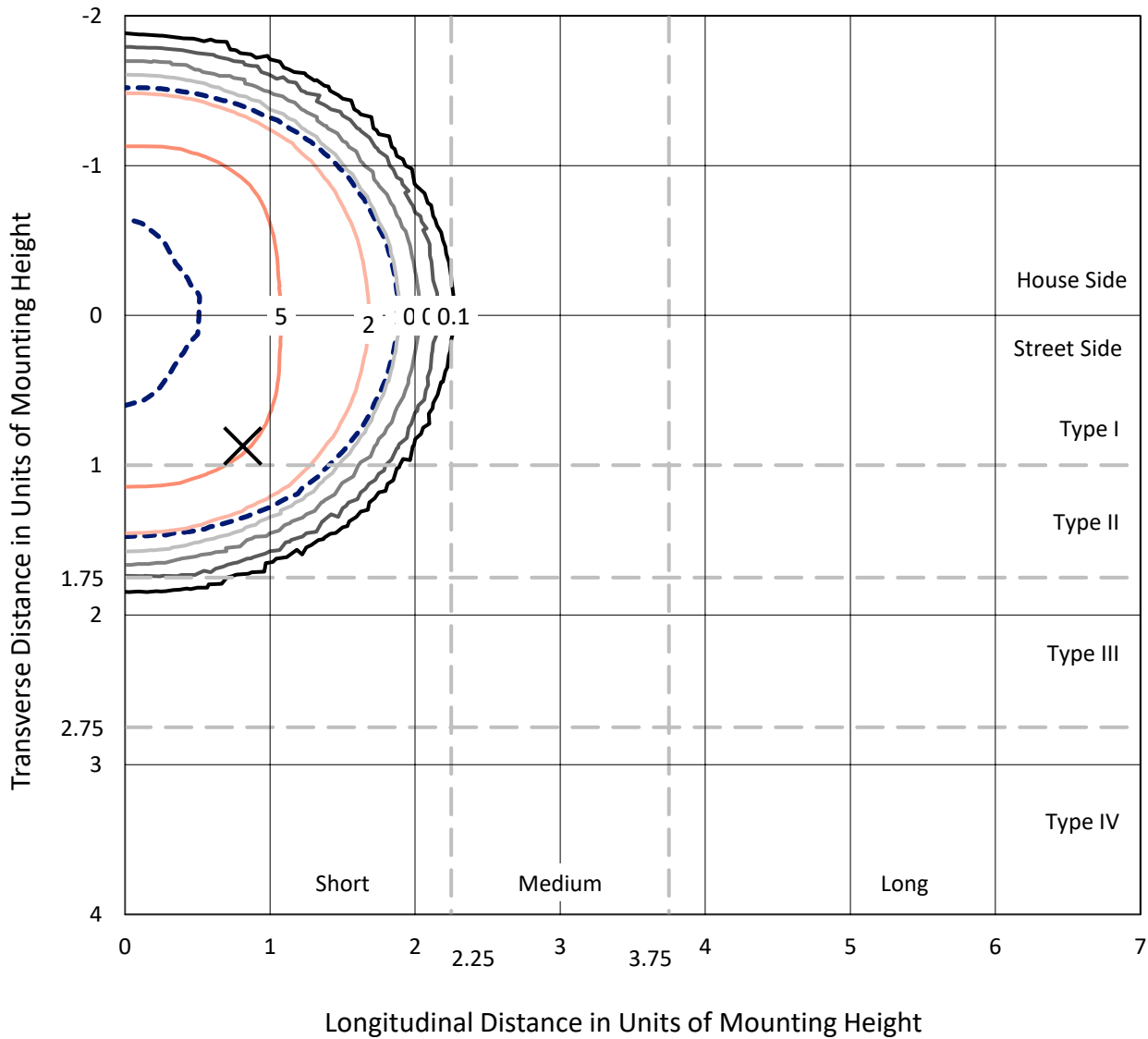
Lumens per Lamp: N/A  
Luminaire Lumens: 4418.5 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P632086  
 CATALOG NUMBER: GWS-SA2C-722-U-RW-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

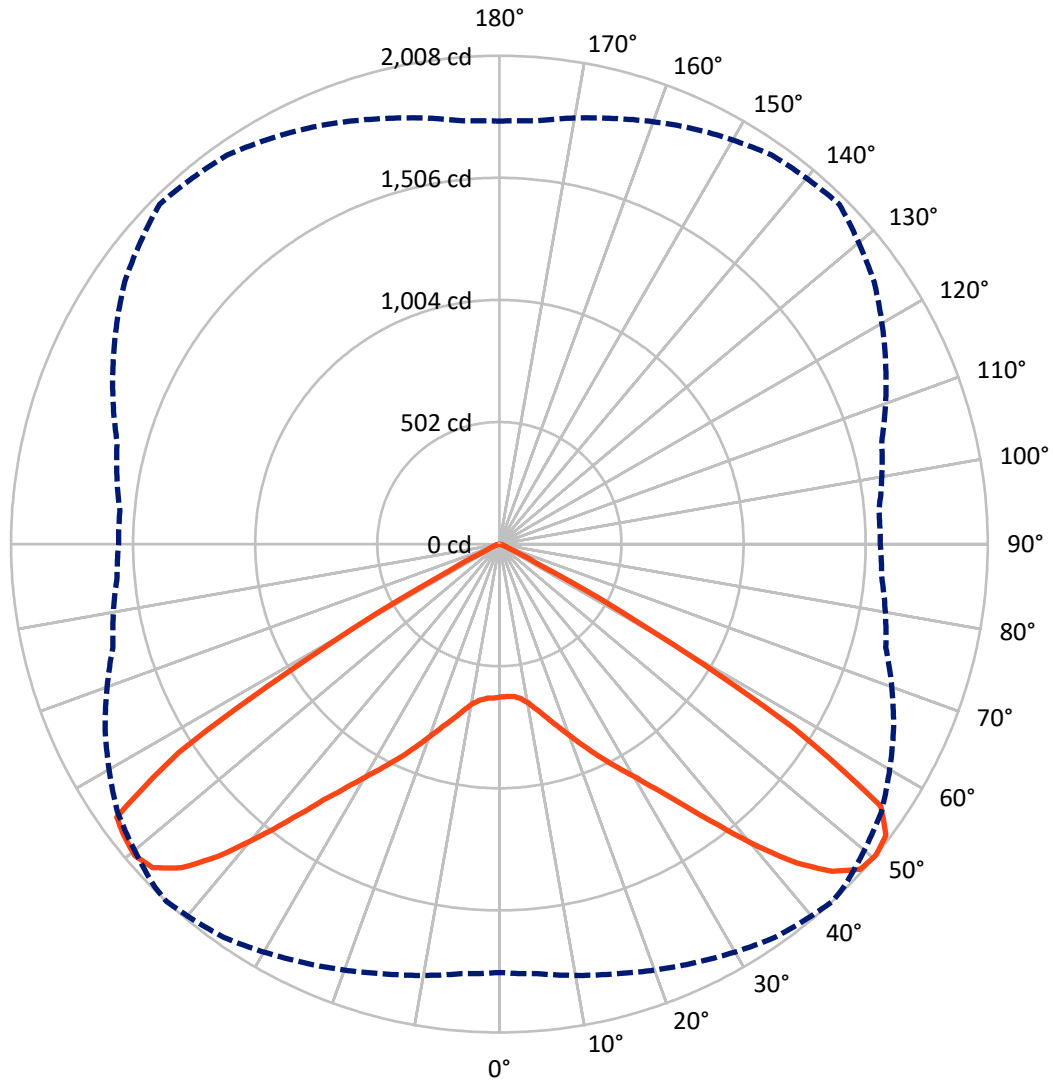
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P632086  
CATALOG NUMBER: GWS-SA2C-722-U-RW-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P632086  
 CATALOG NUMBER: GWS-SA2C-722-U-RW-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2209.2	0.0	2209.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2209.3	0.0	2209.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4418.5	0.0	4418.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.9	1.4
10°-20°	213.0	4.8
20°-30°	430.9	9.8
30°-40°	799.4	18.1
40°-50°	1327.0	30.0
50°-60°	1354.3	30.7
60°-70°	222.1	5.0
70°-80°	9.7	0.2
80°-90°	0.1	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°	4418.5	100.0
0°-180°	4418.5	100.0

**Coefficient of Utilization**



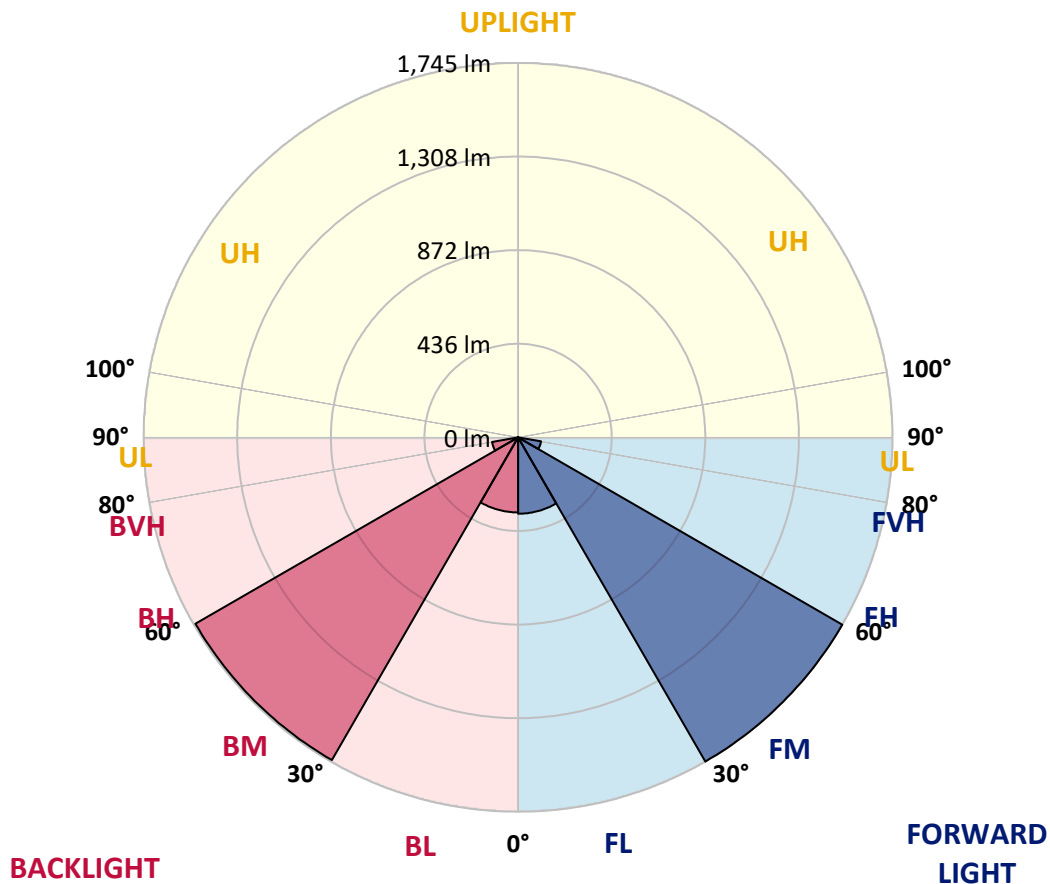
REPORT NUMBER: P632086

CATALOG NUMBER: GWS-SA2C-722-U-RW-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	356.0	8.1			
FM (30°-60°)	1744.6	39.5			
FH (60°-80°)	108.7	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	349.8	7.9	B1/500		
BM (30°-60°)	1736.2	39.3	B2/2500		
BH (60°-80°)	123.2	2.8	B1/500		G0/660
BVH (80°-90°)	0.1	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-G0**  
 Type V Short





REPORT NUMBER: P632086

CATALOG NUMBER: GWS-SA2C-722-U-RW-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	628.5	628.5	628.5	628.5	628.5	628.5	628.5	628.5	628.5	628.5	628.5
2.5°	616.7	618.2	620.2	622.1	624.6	627.0	628.5	632.9	631.9	635.8	635.8
5°	609.9	611.4	613.8	618.2	623.6	629.0	632.9	641.7	646.5	654.4	657.3
7.5°	613.3	615.3	618.2	625.0	633.3	641.7	646.1	660.2	670.0	684.7	693.0
10°	624.6	626.5	631.4	643.1	653.9	665.6	671.0	689.1	704.7	724.7	736.5
12.5°	637.3	639.7	649.5	667.1	685.6	701.3	708.6	728.6	744.8	767.3	785.8
15°	650.5	654.4	669.5	695.4	721.8	742.8	750.6	772.1	788.3	812.2	833.2
17.5°	681.2	685.6	702.7	730.6	766.8	791.2	798.0	820.5	832.7	848.9	870.9
20°	719.8	728.2	749.2	782.9	822.5	845.9	850.8	872.8	871.8	878.7	897.7
22.5°	767.7	773.6	796.6	836.6	881.1	907.0	918.3	927.5	915.3	909.5	921.7
25°	817.6	824.4	849.4	893.3	943.2	973.0	982.3	989.6	970.1	948.1	949.5
27.5°	882.1	887.0	911.4	958.3	1008.2	1041.9	1050.2	1062.9	1037.0	1001.8	992.1
30°	958.8	963.7	989.6	1039.0	1088.3	1117.2	1129.9	1145.5	1117.2	1073.2	1061.9
32.5°	1048.7	1053.6	1086.9	1137.7	1178.2	1209.5	1221.7	1238.4	1215.9	1166.5	1153.8
35°	1156.3	1159.2	1198.3	1253.5	1296.5	1326.8	1335.1	1354.7	1329.7	1280.4	1273.5
37.5°	1280.9	1284.3	1326.8	1390.8	1434.8	1468.5	1481.7	1487.1	1456.8	1401.6	1396.2
40°	1417.7	1428.9	1470.5	1539.4	1588.7	1631.3	1643.0	1624.9	1582.4	1507.1	1497.4
42.5°	1560.4	1570.2	1616.6	1691.4	1748.6	1792.0	1792.5	1753.4	1681.1	1577.0	1562.4
45°	1679.2	1683.1	1743.2	1818.4	1888.8	1919.6	1922.5	1851.7	1742.7	1617.6	1586.3
47.5°	1760.8	1767.1	1819.4	1891.7	1969.4	1997.3	1991.4	1903.0	1772.0	1644.0	1592.2
50°	1761.7	1772.5	1829.2	1899.1	1974.3	2008.0	1999.7	1917.6	1788.6	1644.9	1578.0
52.5°	1605.9	1623.4	1715.8	1817.0	1932.3	1990.0	1991.9	1936.7	1782.3	1629.3	1565.3
55°	1211.5	1230.5	1346.8	1519.4	1742.2	1903.0	1930.8	1914.2	1774.9	1636.2	1587.8
57.5°	641.2	626.5	691.0	862.1	1142.1	1426.5	1508.1	1641.0	1693.3	1644.5	1629.3
60°	139.8	149.1	198.4	267.3	445.7	671.0	750.6	978.4	1249.1	1369.3	1456.3
62.5°	60.1	59.1	61.6	69.9	102.1	170.1	207.7	339.2	535.1	735.0	870.4
65°	49.4	49.8	51.8	51.8	48.4	48.9	51.3	77.7	125.1	175.4	235.6
67.5°	37.1	37.6	41.1	42.0	39.6	35.2	34.7	29.3	30.8	38.6	40.1
70°	23.5	23.5	25.4	26.4	26.4	24.4	23.9	21.0	20.5	23.5	26.4
72.5°	12.7	12.7	13.7	14.2	13.7	13.2	13.2	12.7	12.2	14.2	18.1
75°	5.4	5.4	5.9	5.9	5.4	5.4	5.4	5.4	5.4	6.4	9.8
77.5°	1.0	1.5	2.0	1.5	1.0	1.0	1.0	1.5	1.5	2.0	2.9
80°	0.5	0.5	1.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P632086  
 CATALOG NUMBER: GWS-SA2C-722-U-RW-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	628.5	628.5	628.5	628.5	628.5	628.5	628.5	628.5	628.5	628.5	628.5
2.5°	639.2	633.8	635.8	636.8	635.3	634.3	629.0	627.5	625.0	621.1	620.2
5°	660.7	656.3	655.8	652.9	646.1	637.7	627.5	623.1	618.2	613.3	612.3
7.5°	696.9	691.5	688.1	678.3	662.7	649.5	632.4	623.1	616.7	610.4	608.9
10°	743.3	737.0	727.2	709.1	688.1	669.0	649.0	636.8	627.0	618.2	617.7
12.5°	792.7	785.8	768.2	745.3	719.8	702.3	676.8	659.7	645.1	631.9	630.4
15°	844.5	836.2	812.2	784.8	761.4	743.3	715.4	688.1	665.6	646.5	644.6
17.5°	884.0	873.8	845.4	824.9	805.9	787.3	756.0	719.8	690.0	667.1	661.7
20°	909.0	899.2	872.3	861.1	852.3	839.1	801.9	764.3	731.1	702.7	697.9
22.5°	932.9	921.2	897.7	897.7	904.6	899.2	859.1	816.1	777.0	744.3	737.0
25°	959.8	950.5	933.9	947.6	964.7	964.2	923.1	869.4	824.4	787.8	780.4
27.5°	998.9	989.6	983.7	1009.6	1031.1	1029.7	984.7	926.6	879.2	843.0	836.2
30°	1067.8	1059.0	1052.6	1083.9	1111.3	1101.0	1051.7	995.5	947.6	906.5	901.6
32.5°	1159.7	1150.4	1142.1	1173.4	1197.8	1184.6	1137.7	1084.9	1029.7	989.6	979.8
35°	1280.4	1260.8	1252.5	1289.7	1299.9	1285.3	1240.3	1193.9	1135.2	1089.3	1082.9
37.5°	1405.0	1382.0	1376.2	1408.4	1425.0	1419.7	1366.9	1318.5	1255.0	1204.1	1196.8
40°	1511.5	1490.5	1480.3	1530.6	1568.2	1571.6	1524.2	1465.1	1390.3	1337.6	1324.4
42.5°	1574.1	1556.0	1553.6	1631.8	1693.3	1737.3	1680.6	1619.5	1540.9	1481.2	1470.5
45°	1588.3	1576.5	1597.1	1699.7	1795.5	1875.6	1827.2	1762.7	1677.7	1614.6	1604.4
47.5°	1586.8	1582.9	1619.5	1734.9	1856.1	1954.8	1930.8	1858.0	1775.9	1709.9	1700.2
50°	1565.8	1566.3	1627.4	1752.5	1880.5	1976.3	1952.3	1884.9	1811.6	1746.6	1738.8
52.5°	1557.5	1554.5	1612.7	1747.1	1905.4	1966.5	1912.8	1837.0	1755.4	1675.2	1663.5
55°	1586.8	1579.5	1614.6	1742.7	1908.4	1961.1	1819.4	1655.2	1488.1	1393.3	1385.5
57.5°	1630.8	1623.0	1639.6	1710.4	1755.4	1630.8	1339.0	1074.2	902.1	829.3	797.6
60°	1456.3	1450.9	1438.2	1352.7	1160.2	875.3	596.2	380.2	273.2	220.9	220.9
62.5°	903.6	896.3	827.4	614.8	446.7	258.5	142.2	88.9	67.4	63.0	62.6
65°	253.6	252.2	208.7	147.6	93.8	58.2	51.3	52.3	51.3	49.8	49.4
67.5°	38.1	42.0	42.0	34.2	32.7	36.7	43.0	45.9	43.5	41.1	40.1
70°	24.4	26.4	25.4	22.0	23.5	27.4	30.8	31.3	29.8	27.4	26.9
72.5°	17.1	19.1	15.6	14.2	14.7	16.1	17.6	17.6	17.1	16.1	15.1
75°	10.3	10.3	7.3	6.8	6.8	7.3	7.3	8.3	8.3	7.8	7.3
77.5°	3.4	3.9	2.4	2.0	2.0	2.0	2.4	2.9	2.9	2.4	2.0
80°	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	0.5
82.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)