

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: P632088

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)  
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  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7018 lumens  
Efficiency: N/A  
Efficacy: 111.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
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

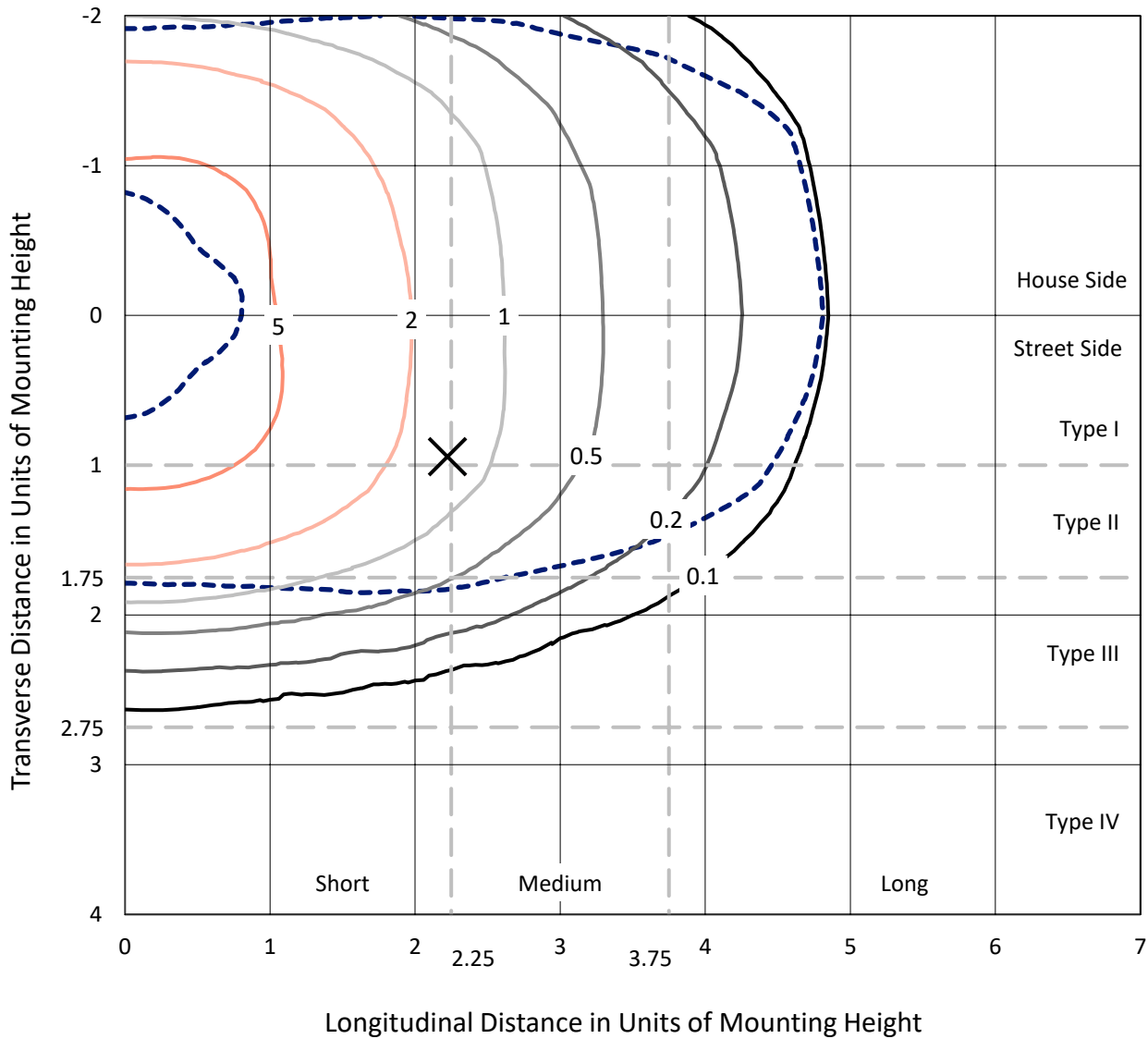


REPORT NUMBER: P632088

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

### Iso-Footcandle Lines of Horizontal Illumination

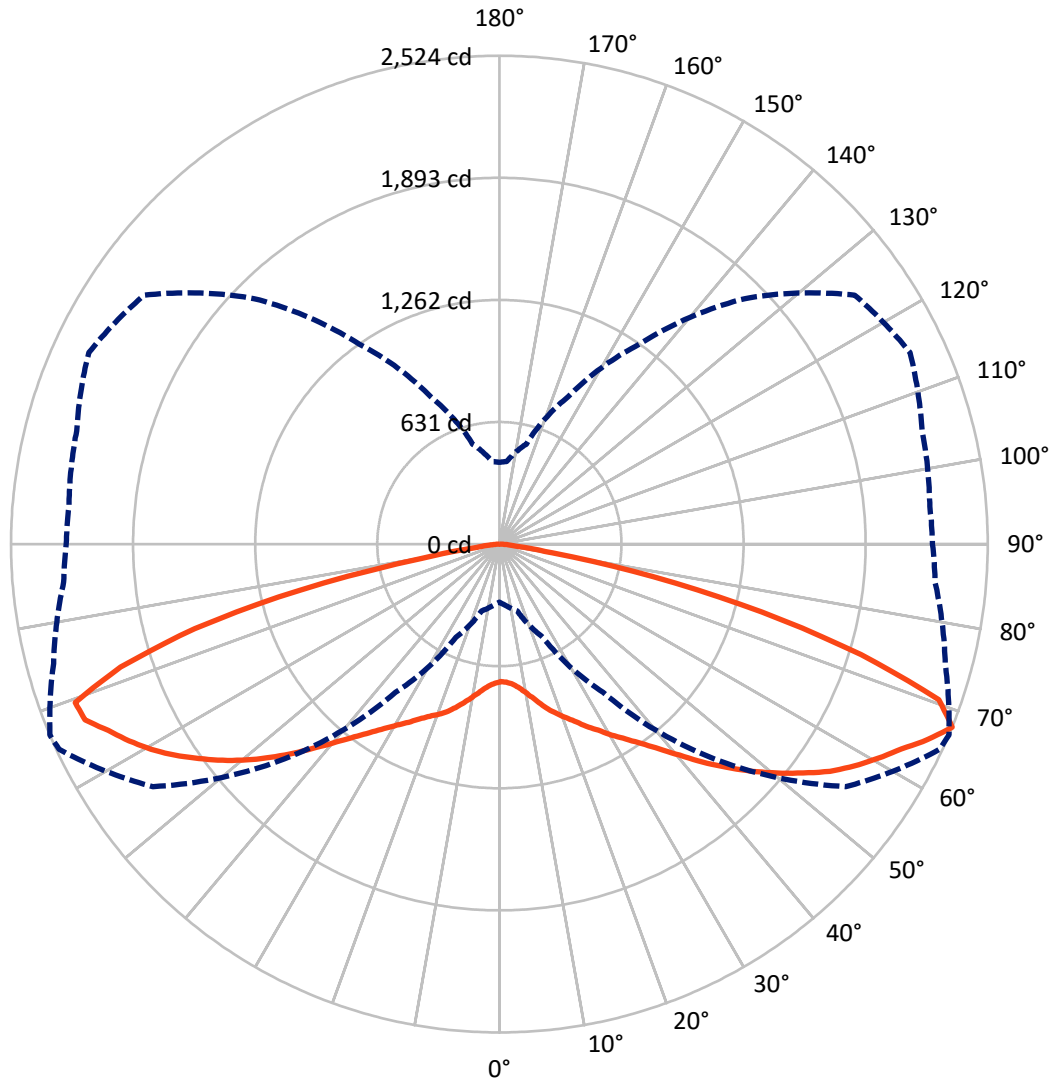
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc  
 Type III - Short - N/A

REPORT NUMBER: P632088  
CATALOG NUMBER: GWS-SA2C-722-U-RW-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P632088

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

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3470.3	0.0	3470.3
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	3547.7	0.0	3547.7
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	7018.0	0.0	7018.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.7	1.0
10°-20°	235.5	3.4
20°-30°	462.1	6.6
30°-40°	787.3	11.2
40°-50°	1264.3	18.0
50°-60°	1717.9	24.5
60°-70°	1643.3	23.4
70°-80°	781.3	11.1
80°-90°	56.6	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°	7018.0	100.0
0°-180°	7018.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632088

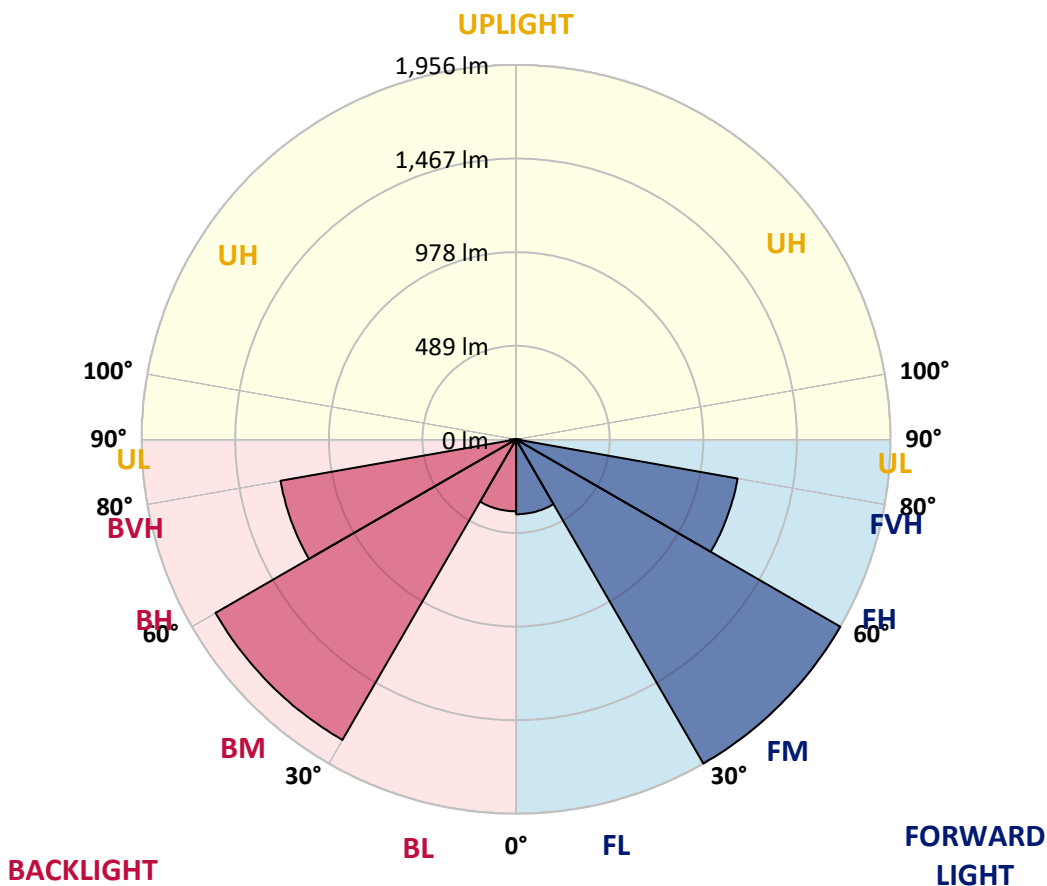
CATALOG NUMBER: GWS-SA2C-722-U-RW-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	391.3	5.6			
FM (30°-60°)	1956.0	27.9			
FH (60°-80°)	1175.0	16.7			G1/1800
FVH (80°-90°)	25.5	0.4			G1/100
BL (0°-30°)	376.1	5.4	B1/500		
BM (30°-60°)	1813.5	25.8	B2/2500		
BH (60°-80°)	1249.5	17.8	B3/2500		G3/2500
BVH (80°-90°)	31.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





REPORT NUMBER: P632088  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6
2.5°	695.9	696.9	698.4	701.3	704.3	708.7	713.1	712.6	714.5	716.0	717.5
5°	692.0	693.0	695.5	699.4	703.8	711.1	720.4	724.3	727.2	732.6	737.5
7.5°	700.3	702.3	705.7	711.1	717.9	727.2	739.9	746.8	751.2	761.0	769.3
10°	711.6	714.0	720.9	731.1	741.4	755.6	771.7	782.0	784.9	797.6	813.2
12.5°	722.3	725.3	736.5	755.1	773.7	792.7	811.8	824.5	825.5	842.6	860.2
15°	739.4	741.9	757.0	781.0	809.3	835.7	859.2	868.0	871.9	884.1	906.1
17.5°	777.1	780.0	799.6	825.5	855.3	883.1	906.6	913.9	913.9	924.2	942.3
20°	817.6	820.6	846.5	879.7	915.9	944.2	962.3	955.5	953.0	956.0	968.7
22.5°	863.1	868.5	893.4	932.0	976.5	1011.2	1020.5	999.9	993.1	986.3	989.2
25°	921.3	927.6	952.0	993.1	1036.6	1073.2	1078.6	1046.9	1042.9	1019.0	1010.2
27.5°	988.2	993.1	1023.4	1064.0	1104.5	1135.3	1141.2	1102.1	1088.9	1055.7	1035.1
30°	1074.7	1079.1	1105.5	1145.6	1180.8	1202.3	1209.6	1155.8	1145.6	1094.8	1063.0
32.5°	1169.0	1171.0	1197.9	1236.5	1267.8	1288.3	1278.0	1215.5	1200.3	1143.1	1099.6
35°	1277.0	1277.0	1311.7	1343.0	1368.0	1373.8	1354.3	1282.9	1265.3	1203.3	1149.0
37.5°	1383.1	1386.0	1418.3	1455.4	1477.4	1476.4	1440.8	1362.6	1342.5	1275.1	1215.0
40°	1498.0	1504.3	1536.6	1578.1	1599.1	1596.2	1541.5	1454.5	1433.9	1354.3	1295.6
42.5°	1603.5	1613.8	1651.4	1693.9	1716.9	1714.9	1657.8	1560.0	1540.0	1450.1	1391.4
45°	1687.6	1698.3	1745.3	1804.4	1841.0	1837.6	1780.0	1669.5	1645.1	1550.7	1486.2
47.5°	1761.4	1772.6	1824.9	1887.5	1945.6	1951.5	1898.7	1780.0	1754.0	1658.7	1585.9
50°	1818.1	1823.4	1882.1	1950.5	2018.0	2050.7	2004.8	1890.9	1859.6	1765.3	1683.2
52.5°	1813.7	1821.0	1893.3	1986.2	2076.6	2130.4	2098.6	1995.5	1965.2	1862.5	1782.4
55°	1724.2	1731.6	1817.6	1953.0	2109.4	2188.5	2185.1	2095.2	2073.2	1961.8	1885.5
57.5°	1593.7	1609.9	1695.4	1841.5	2066.3	2235.0	2248.6	2186.1	2163.1	2059.0	1987.7
60°	1360.1	1381.6	1480.4	1670.0	1928.5	2219.3	2316.6	2262.8	2248.6	2149.4	2080.0
62.5°	988.2	1003.8	1135.3	1384.1	1724.2	2107.9	2373.8	2342.0	2331.2	2230.6	2163.6
65°	591.9	627.5	733.1	978.9	1390.9	1897.7	2342.5	2445.6	2434.4	2314.1	2235.0
67.5°	299.6	315.7	357.3	530.8	935.4	1570.3	2185.6	2510.1	2523.8	2385.5	2260.4
70°	185.7	190.1	201.8	262.0	467.2	1031.7	1787.3	2342.0	2408.9	2374.2	2194.4
72.5°	149.1	150.0	152.0	163.2	224.3	482.4	1129.9	1834.2	1954.9	2217.4	2100.1
75°	123.6	124.1	124.6	128.0	139.8	197.0	549.8	1260.4	1401.7	1884.5	1947.1
77.5°	99.2	96.8	98.7	100.2	103.1	110.0	189.6	672.5	815.7	1237.0	1505.8
80°	64.5	63.5	67.4	68.9	71.8	76.2	101.2	228.2	277.1	450.1	479.0
82.5°	34.7	32.7	41.1	39.6	41.1	44.5	59.6	83.6	93.8	135.9	114.9
85°	10.8	10.8	11.2	13.2	16.1	15.6	25.9	41.1	45.5	58.2	43.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.4	5.4	8.3	11.2	20.0	15.2
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: P632088  
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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6
2.5°	720.4	716.0	718.4	719.9	719.4	718.4	713.5	712.6	710.1	706.2	705.2
5°	741.9	737.0	737.5	736.0	731.1	724.8	714.0	708.7	704.3	699.4	698.9
7.5°	775.6	770.2	768.8	761.9	748.2	733.6	716.5	706.7	699.4	693.0	692.0
10°	818.6	813.2	808.4	792.2	769.7	750.2	727.7	713.5	702.8	695.0	693.5
12.5°	866.5	862.1	849.9	826.4	799.6	776.6	753.6	736.0	720.4	708.7	707.2
15°	919.8	910.0	891.4	861.1	835.7	817.2	789.3	765.3	740.4	724.8	721.4
17.5°	956.9	948.6	926.6	897.3	877.3	861.1	828.4	794.2	760.5	737.5	732.6
20°	983.3	974.5	949.6	928.1	921.7	908.1	869.9	830.4	791.3	762.9	756.6
22.5°	1002.4	993.1	967.7	956.9	965.7	963.3	926.1	881.2	834.7	801.0	793.2
25°	1020.5	1011.7	989.2	993.1	1016.6	1023.9	983.8	931.5	878.7	839.1	829.9
27.5°	1037.6	1026.3	1016.1	1037.6	1070.8	1084.5	1042.0	982.8	925.7	885.1	877.8
30°	1064.0	1050.8	1049.3	1080.6	1133.4	1145.1	1098.2	1039.0	982.3	941.3	932.0
32.5°	1097.2	1085.0	1086.0	1132.9	1194.0	1203.7	1163.7	1108.4	1051.7	1010.7	998.0
35°	1142.2	1127.0	1135.3	1193.0	1254.6	1272.6	1240.4	1194.5	1139.2	1097.2	1083.0
37.5°	1204.2	1182.2	1199.3	1259.9	1322.0	1348.9	1324.0	1289.8	1235.0	1192.5	1179.3
40°	1283.4	1265.3	1272.2	1339.1	1403.1	1435.4	1419.8	1386.0	1331.8	1287.3	1272.2
42.5°	1377.2	1359.2	1356.7	1428.1	1492.1	1541.0	1525.8	1495.0	1438.8	1388.0	1373.3
45°	1469.1	1452.5	1455.9	1528.7	1600.6	1653.9	1638.7	1602.5	1541.5	1482.8	1471.1
47.5°	1564.9	1551.2	1554.2	1631.4	1710.6	1763.8	1744.8	1700.8	1629.4	1566.9	1552.7
50°	1663.1	1647.5	1651.9	1733.0	1818.6	1868.9	1839.6	1774.6	1695.9	1634.8	1622.6
52.5°	1760.9	1742.3	1753.6	1830.3	1918.7	1958.8	1904.6	1825.9	1749.6	1689.0	1675.4
55°	1873.3	1853.7	1841.5	1923.6	2011.1	2027.7	1953.4	1861.6	1771.2	1702.2	1693.9
57.5°	1975.9	1959.3	1936.3	2018.4	2083.0	2070.7	1991.1	1851.8	1718.9	1630.4	1618.7
60°	2067.8	2053.6	2033.6	2103.5	2132.8	2105.4	1960.8	1736.0	1589.8	1497.5	1492.1
62.5°	2152.4	2137.2	2118.6	2178.3	2174.4	2110.8	1823.0	1558.1	1362.6	1263.4	1254.6
65°	2219.3	2205.6	2200.3	2247.2	2240.8	2005.7	1608.4	1266.8	995.5	883.6	880.2
67.5°	2238.4	2233.0	2261.8	2341.5	2242.3	1794.6	1261.4	840.1	534.7	428.6	422.3
70°	2167.0	2166.5	2249.1	2363.0	2039.0	1370.9	744.3	378.8	268.8	238.5	234.6
72.5°	2074.2	2072.7	2138.2	2038.5	1512.1	750.2	313.3	202.8	168.1	159.8	159.8
75°	1921.7	1917.8	1967.1	1550.7	850.4	282.5	166.2	139.3	132.0	130.5	130.5
77.5°	1566.4	1533.6	1455.9	958.4	296.7	138.8	110.0	109.5	105.1	104.6	104.6
80°	515.1	515.1	598.7	365.6	131.0	85.5	77.7	81.6	77.2	74.3	73.8
82.5°	84.1	115.8	164.7	104.6	70.9	53.3	47.9	50.8	53.3	42.5	42.5
85°	33.2	43.5	63.5	48.9	32.7	21.5	23.0	25.4	22.5	19.5	19.1
87.5°	12.7	15.6	22.5	11.7	6.8	3.9	2.4	2.4	2.0	2.0	2.0
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)