

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: P632587

Luminaire Tested: GWS-SA2D-722-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8451.7 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 82.1
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

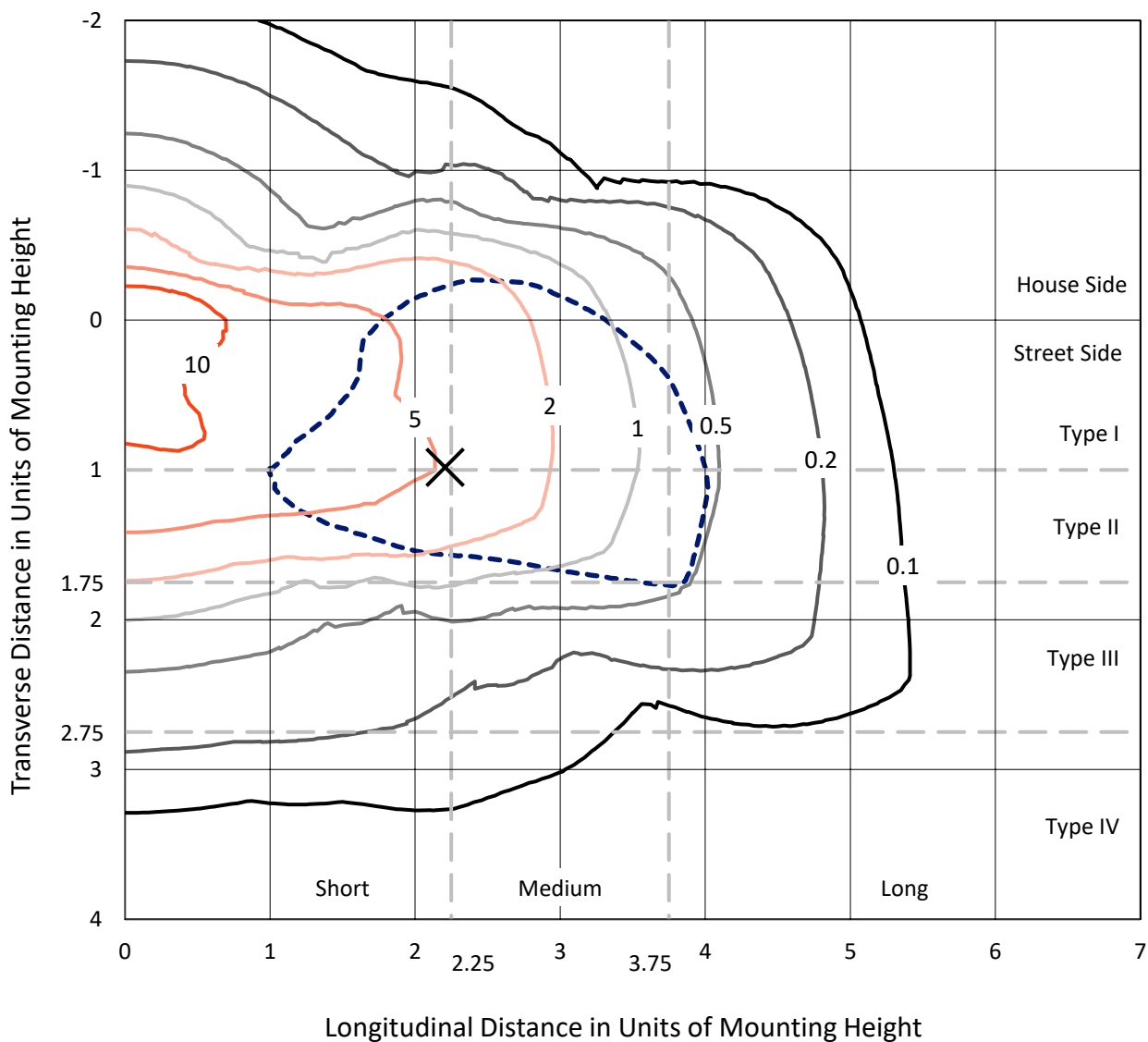


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Iso-Footcandle Lines of Horizontal Illumination

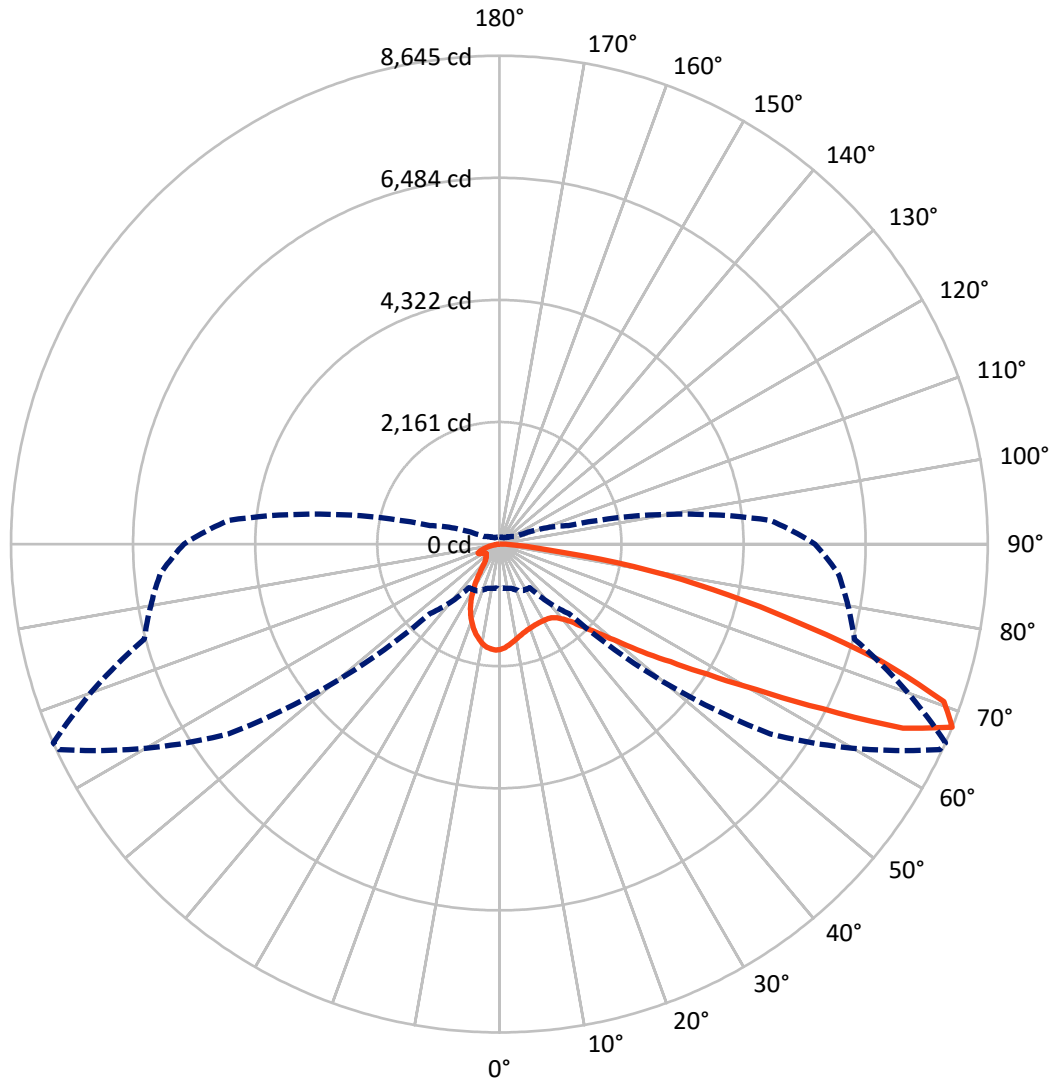
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1715.0	0.0	1715.0
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	6736.6	0.0	6736.6
	% Fixture	79.7	0.0	79.7
Total	Lumens	8451.7	0.0	8451.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.9	1.9
10°-20°	402.8	4.8
20°-30°	553.7	6.6
30°-40°	757.0	9.0
40°-50°	1147.0	13.6
50°-60°	1783.1	21.1
60°-70°	2170.8	25.7
70°-80°	1322.4	15.6
80°-90°	151.0	1.8
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°	8451.7	100.0
0°-180°	8451.7	100.0

Coefficient of Utilization



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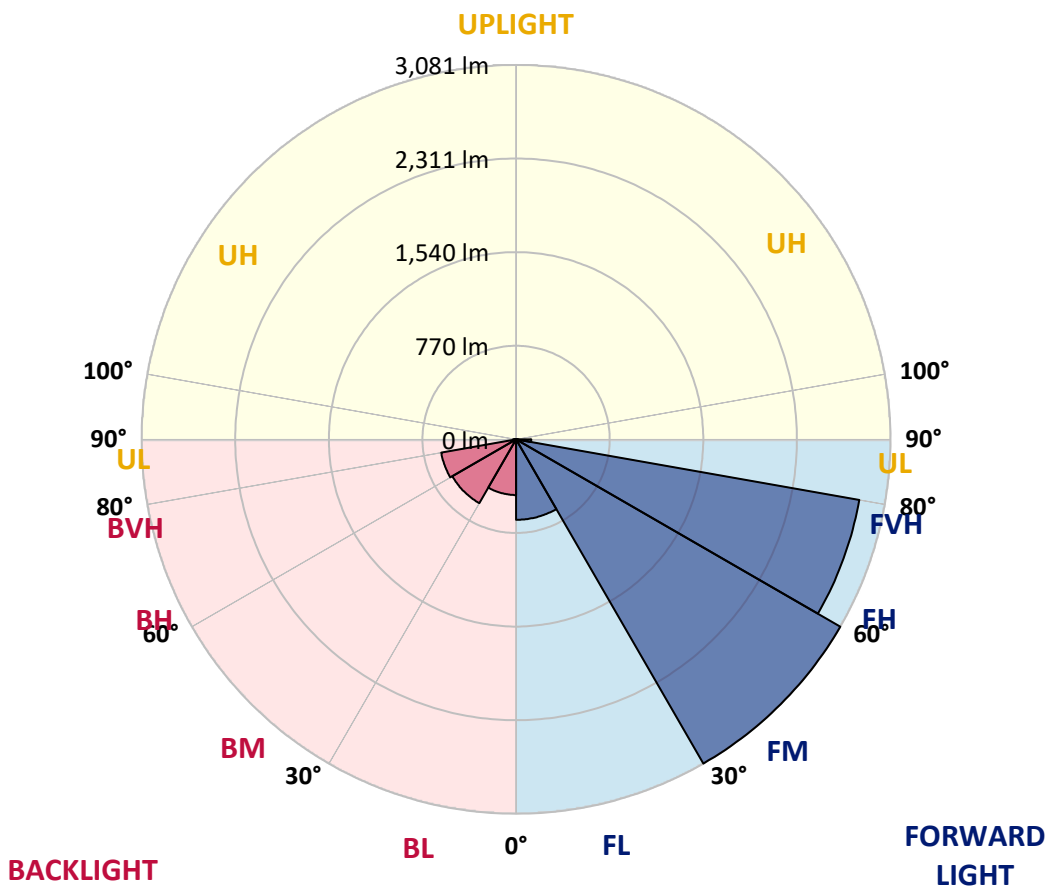
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	662.2	7.8			
FM (30°-60°)	3081.0	36.5			
FH (60°-80°)	2867.9	33.9			G2/5000
FVH (80°-90°)	125.6	1.5			G2/225
BL (0°-30°)	458.2	5.4	B1/500		
BM (30°-60°)	606.1	7.2	B1/1000		
BH (60°-80°)	625.3	7.4	B2/1000		G2/1000
BVH (80°-90°)	25.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6
2.5°	1749.2	1755.4	1751.7	1775.1	1776.3	1805.9	1822.6	1836.8	1838.0	1856.5	1868.8
5°	1629.6	1633.3	1633.3	1655.5	1670.3	1709.7	1748.0	1788.7	1791.7	1836.1	1870.1
7.5°	1532.8	1536.5	1534.0	1563.6	1582.7	1626.5	1675.2	1737.5	1743.7	1815.2	1874.4
10°	1457.0	1455.7	1461.9	1489.0	1513.7	1566.1	1620.3	1691.2	1700.5	1791.1	1879.3
12.5°	1405.2	1406.4	1410.1	1438.5	1465.0	1516.8	1572.9	1649.9	1659.8	1763.4	1876.8
15°	1380.5	1378.0	1381.1	1407.0	1432.3	1477.9	1535.9	1615.4	1625.3	1738.7	1877.5
17.5°	1374.9	1373.1	1372.5	1391.0	1410.1	1452.6	1508.1	1588.9	1599.4	1722.7	1881.2
20°	1392.2	1389.7	1383.0	1391.0	1399.0	1434.8	1488.4	1569.8	1581.5	1712.2	1888.5
22.5°	1439.7	1435.4	1424.9	1415.0	1404.5	1426.1	1476.1	1555.6	1567.3	1705.4	1895.9
25°	1511.8	1508.1	1497.0	1474.8	1436.6	1432.9	1473.6	1549.4	1561.2	1700.5	1899.0
27.5°	1611.1	1605.5	1594.4	1562.4	1500.1	1458.2	1482.8	1548.8	1559.9	1694.9	1895.9
30°	1728.9	1725.2	1719.0	1680.1	1596.9	1511.8	1503.8	1553.8	1562.4	1691.9	1889.8
32.5°	1848.5	1844.8	1849.7	1831.2	1728.9	1600.6	1549.4	1567.3	1573.5	1691.2	1884.2
35°	1953.9	1958.2	1994.0	1997.1	1896.6	1720.8	1621.6	1598.8	1600.0	1703.6	1886.7
37.5°	2064.3	2080.9	2127.8	2167.9	2084.0	1879.9	1728.9	1658.0	1656.7	1735.0	1902.1
40°	2210.4	2217.8	2277.6	2352.8	2300.4	2098.2	1881.2	1754.8	1746.1	1799.1	1943.4
42.5°	2352.8	2370.7	2466.3	2552.6	2535.3	2344.2	2072.9	1899.6	1884.2	1912.6	2028.5
45°	2534.1	2551.4	2658.6	2769.6	2801.1	2622.3	2318.3	2105.6	2090.2	2083.4	2184.5
47.5°	2715.4	2733.2	2829.4	2989.7	3100.1	2970.0	2637.7	2377.5	2352.2	2325.7	2420.0
50°	2837.4	2858.4	2950.3	3142.6	3401.6	3404.1	3016.3	2733.9	2701.8	2659.9	2751.7
52.5°	2833.1	2846.7	2934.2	3156.2	3618.6	3902.9	3523.1	3187.7	3161.8	3070.5	3150.7
55°	2610.6	2630.9	2719.1	2996.5	3642.1	4375.8	4267.9	3722.8	3676.6	3513.2	3601.4
57.5°	2163.5	2180.8	2269.6	2611.8	3434.3	4618.1	5213.7	4404.8	4341.3	3995.4	4097.1
60°	1633.3	1612.3	1654.3	1953.9	2937.3	4624.3	6048.5	5329.6	5223.6	4510.8	4595.9
62.5°	1225.7	1204.8	1214.0	1298.5	1991.5	4250.6	6524.5	6594.8	6419.7	5092.9	5076.2
65°	968.6	956.9	983.4	1041.4	1161.0	3237.0	6528.2	7963.0	7852.6	5767.4	5568.8
67.5°	789.2	781.8	808.9	916.2	941.5	1739.3	5853.7	8601.7	8644.9	6506.0	6025.7
70°	635.7	624.6	667.1	808.3	875.5	1052.5	4193.3	8276.2	8345.9	6946.3	5896.9
72.5°	439.0	439.6	461.2	654.8	845.3	908.8	2371.9	6891.4	7042.4	6547.3	5184.1
75°	296.0	298.4	304.6	432.2	778.7	881.7	1264.0	5217.4	5324.1	5411.6	4285.2
77.5°	178.8	180.0	194.2	261.4	537.0	823.1	856.4	3782.0	3865.9	3567.5	2656.2
80°	103.6	107.9	120.8	175.1	362.5	618.4	662.8	2318.9	2413.9	1585.8	844.1
82.5°	45.6	48.7	66.0	101.7	211.5	525.9	517.3	916.2	902.7	442.1	292.9
85°	8.0	9.9	14.2	32.1	77.7	277.5	401.4	404.5	380.4	167.7	121.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	60.4	108.5	107.9	47.5	41.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6
2.5°	1876.8	1860.2	1875.0	1876.8	1873.8	1871.3	1852.8	1836.8	1834.9	1817.6	1817.6
5°	1883.6	1868.2	1875.6	1861.4	1839.2	1816.4	1777.0	1749.8	1737.5	1715.3	1715.3
7.5°	1892.9	1876.8	1868.2	1833.1	1781.3	1731.3	1667.8	1614.8	1593.2	1561.8	1560.5
10°	1901.5	1881.2	1851.6	1783.1	1700.5	1621.0	1528.5	1453.3	1402.1	1364.5	1364.5
12.5°	1900.9	1874.4	1815.8	1714.7	1600.6	1485.3	1362.0	1248.6	1180.7	1122.2	1118.5
15°	1899.6	1863.3	1770.2	1635.1	1484.1	1324.4	1156.7	1008.7	908.2	850.9	845.9
17.5°	1898.4	1849.1	1719.0	1544.5	1342.3	1124.6	903.3	743.0	659.1	624.0	625.2
20°	1898.4	1833.1	1664.1	1440.3	1178.9	885.4	662.8	546.3	525.3	527.2	529.0
22.5°	1892.9	1813.3	1603.1	1326.9	997.0	651.1	488.9	449.5	460.6	477.8	480.3
25°	1879.9	1780.6	1532.2	1201.1	780.6	474.1	398.9	391.5	411.9	433.4	439.6
27.5°	1859.6	1743.0	1452.6	1053.7	574.6	381.0	350.8	350.2	366.2	382.3	387.8
30°	1838.0	1701.1	1368.8	889.7	416.2	331.7	320.0	320.0	328.0	337.9	336.6
32.5°	1812.7	1658.6	1278.8	718.9	339.1	304.0	300.3	298.4	299.7	303.4	303.4
35°	1791.1	1621.0	1186.3	538.3	304.0	288.6	284.9	280.5	278.7	276.2	277.5
37.5°	1783.1	1591.4	1090.7	405.7	286.7	277.5	271.3	265.1	260.8	259.6	259.0
40°	1796.1	1579.0	995.1	334.2	274.4	265.7	259.0	250.9	247.2	247.2	247.2
42.5°	1846.6	1588.3	897.7	302.1	265.7	255.9	246.0	238.6	237.4	238.6	239.2
45°	1939.1	1624.0	796.6	286.1	258.3	246.0	234.3	228.7	228.7	230.0	230.0
47.5°	2104.3	1717.8	696.7	276.2	250.9	238.0	225.7	220.1	219.5	220.7	220.7
50°	2390.4	1886.7	606.7	269.4	245.4	231.8	219.5	212.1	210.2	209.6	209.6
52.5°	2751.1	2179.6	549.4	264.5	238.6	225.0	212.7	202.9	199.2	197.3	197.3
55°	3187.0	2569.9	549.4	260.8	230.0	217.0	202.9	193.0	187.4	185.0	185.0
57.5°	3680.9	3024.3	644.3	257.7	223.2	207.8	192.4	182.5	176.3	172.6	172.6
60°	4183.4	3504.6	879.2	253.4	217.0	196.1	180.7	171.4	163.4	159.1	158.5
62.5°	4704.4	4033.6	1188.7	255.9	212.7	185.0	168.3	157.8	151.1	146.7	146.1
65°	5181.6	4537.3	1459.4	275.0	213.3	175.1	154.1	144.9	139.3	133.8	133.2
67.5°	5586.7	4815.4	1269.5	313.8	226.3	163.4	140.0	130.7	125.8	122.1	121.5
70°	5303.1	4391.2	720.2	337.9	244.2	151.1	123.9	117.8	112.8	110.4	109.7
72.5°	4534.9	3717.9	481.5	298.4	222.6	135.0	109.1	104.2	100.5	97.4	96.8
75°	3673.5	2948.4	368.1	244.8	173.3	109.7	93.7	90.0	86.3	83.2	82.6
77.5°	2173.4	1703.6	271.3	193.6	122.1	85.7	77.7	74.6	70.9	68.4	67.8
80°	693.6	591.9	172.0	133.2	80.8	66.0	59.8	57.3	53.6	50.6	49.9
82.5°	264.5	228.7	91.3	67.8	53.6	45.0	40.1	37.6	35.1	32.1	31.4
85°	117.1	109.7	50.6	36.4	29.0	22.2	19.7	18.5	15.4	12.9	12.3
87.5°	41.3	41.3	21.6	10.5	6.2	3.1	1.8	0.6	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)