

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: P630882

Luminaire Tested: GWS-SA1E-750-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630882  
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-SA1E-750-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

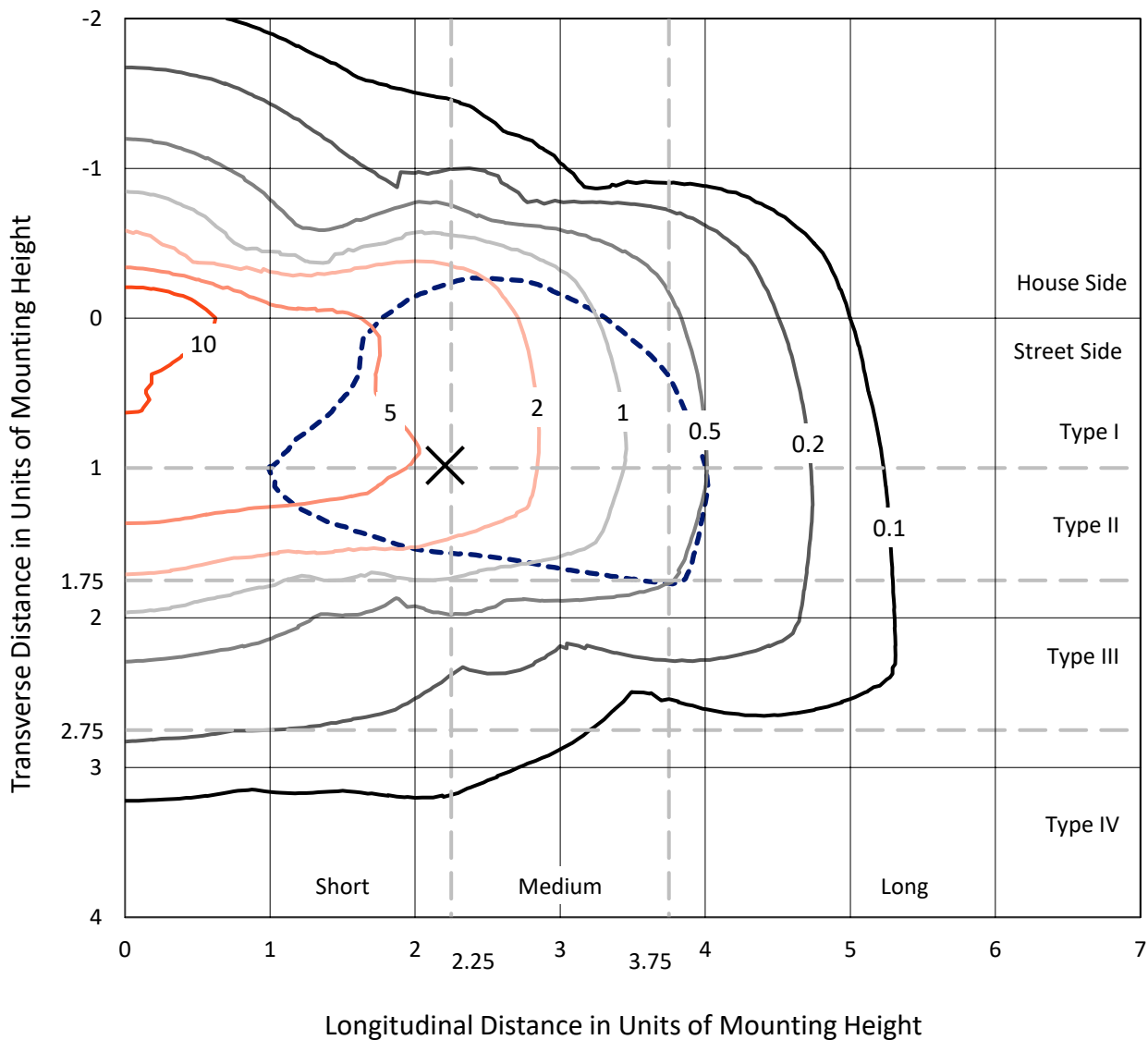
Lumens per Lamp: N/A  
Luminaire Lumens: 7617 lumens  
Efficiency: N/A  
Efficacy: 130.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

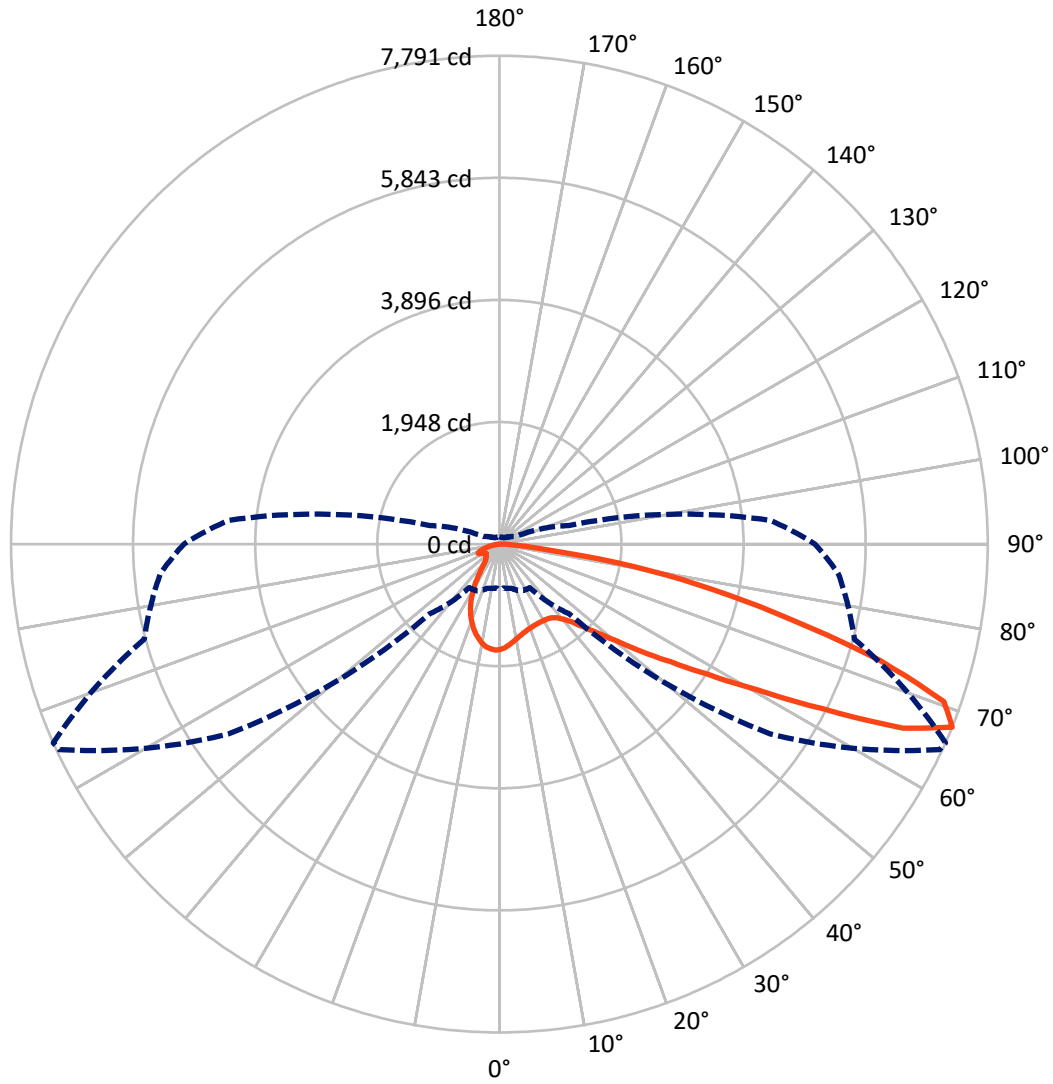
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.8 fc  
 Type II - Short - N/A

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CATALOG NUMBER: GWS-SA1E-750-U-SL2-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P630882

CATALOG NUMBER: GWS-SA1E-750-U-SL2-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1545.7	0.0	1545.7
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	6071.3	0.0	6071.3
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	7617.0	0.0	7617.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.7	1.9
10°-20°	363.0	4.8
20°-30°	499.0	6.6
30°-40°	682.2	9.0
40°-50°	1033.7	13.6
50°-60°	1607.0	21.1
60°-70°	1956.4	25.7
70°-80°	1191.8	15.6
80°-90°	136.1	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°	7617.0	100.0
0°-180°	7617.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630882

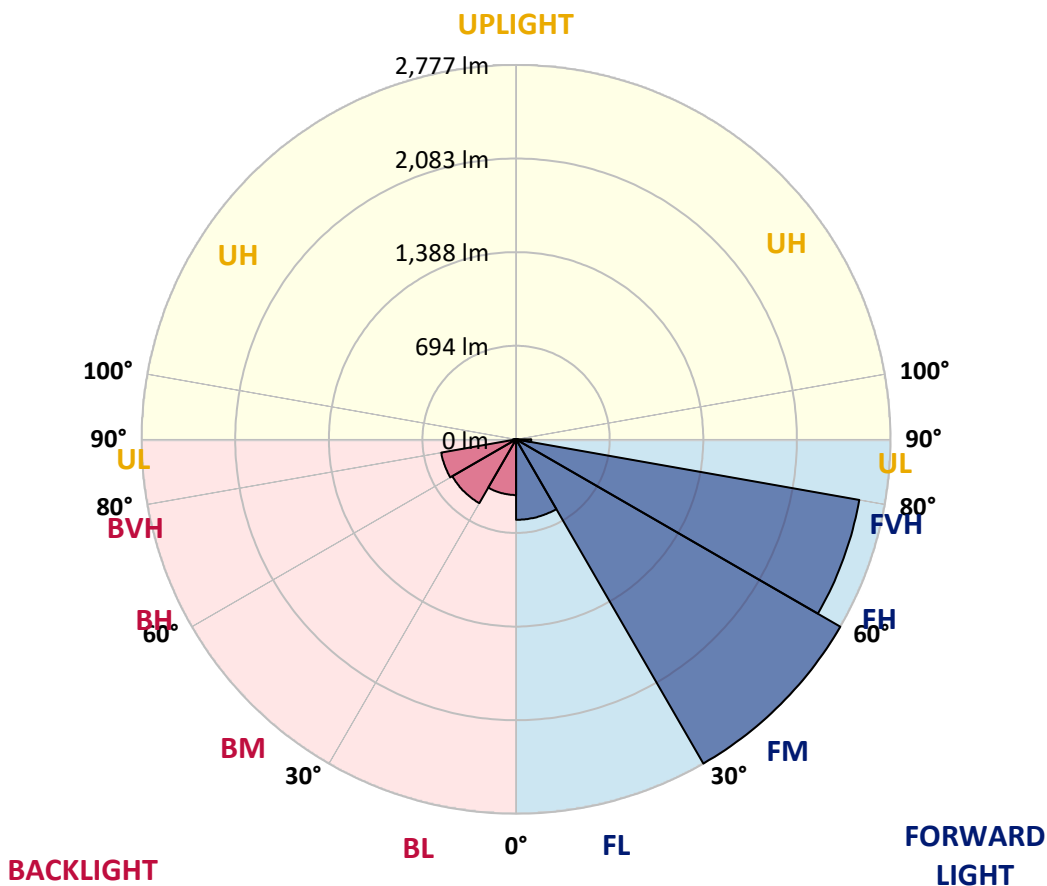
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	596.8	7.8			
FM (30°-60°)	2776.7	36.5			
FH (60°-80°)	2584.6	33.9			G2/5000
FVH (80°-90°)	113.2	1.5			G2/225
BL (0°-30°)	412.9	5.4	B1/500		
BM (30°-60°)	546.2	7.2	B1/1000		
BH (60°-80°)	563.6	7.4	B2/1000		G2/1000
BVH (80°-90°)	23.0	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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 CATALOG NUMBER: GWS-SA1E-750-U-SL2-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1683.1	1683.1	1683.1	1683.1	1683.1	1683.1	1683.1	1683.1	1683.1	1683.1	1683.1
2.5°	1576.5	1582.0	1578.7	1599.8	1600.9	1627.6	1642.6	1655.4	1656.5	1673.1	1684.3
5°	1468.7	1472.0	1472.0	1492.0	1505.3	1540.9	1575.3	1612.0	1614.8	1654.8	1685.4
7.5°	1381.4	1384.7	1382.5	1409.2	1426.4	1465.9	1509.8	1565.9	1571.4	1635.9	1689.3
10°	1313.1	1311.9	1317.5	1342.0	1364.2	1411.4	1460.3	1524.2	1532.6	1614.2	1693.7
12.5°	1266.4	1267.5	1270.8	1296.4	1320.3	1367.0	1417.5	1487.0	1495.9	1589.2	1691.5
15°	1244.2	1241.9	1244.7	1268.1	1290.8	1332.0	1384.2	1455.9	1464.8	1567.0	1692.0
17.5°	1239.2	1237.5	1236.9	1253.6	1270.8	1309.2	1359.2	1432.0	1441.4	1552.6	1695.4
20°	1254.7	1252.5	1246.4	1253.6	1260.8	1293.1	1341.4	1414.7	1425.3	1543.1	1702.0
22.5°	1297.5	1293.6	1284.2	1275.3	1265.8	1285.3	1330.3	1402.0	1412.5	1537.0	1708.7
25°	1362.5	1359.2	1349.2	1329.2	1294.7	1291.4	1328.1	1396.4	1407.0	1532.6	1711.5
27.5°	1452.0	1447.0	1437.0	1408.1	1352.0	1314.2	1336.4	1395.9	1405.9	1527.6	1708.7
30°	1558.1	1554.8	1549.2	1514.2	1439.2	1362.5	1355.3	1400.3	1408.1	1524.8	1703.1
32.5°	1665.9	1662.6	1667.0	1650.4	1558.1	1442.5	1396.4	1412.5	1418.1	1524.2	1698.1
35°	1760.9	1764.8	1797.1	1799.8	1709.3	1550.9	1461.4	1440.9	1442.0	1535.3	1700.4
37.5°	1860.4	1875.4	1917.6	1953.8	1878.2	1694.3	1558.1	1494.2	1493.1	1563.7	1714.3
40°	1992.1	1998.8	2052.7	2120.5	2073.2	1891.0	1695.4	1581.5	1573.7	1621.5	1751.5
42.5°	2120.5	2136.6	2222.7	2300.5	2284.9	2112.7	1868.2	1712.0	1698.1	1723.7	1828.2
45°	2283.8	2299.4	2396.1	2496.1	2524.4	2363.3	2089.3	1897.6	1883.7	1877.6	1968.8
47.5°	2447.2	2463.3	2550.0	2694.5	2793.9	2676.7	2377.2	2142.7	2119.9	2096.0	2181.0
50°	2557.2	2576.1	2658.9	2832.3	3065.7	3067.9	2718.4	2463.9	2435.0	2397.2	2480.0
52.5°	2553.3	2565.6	2644.5	2844.5	3261.3	3517.4	3175.1	2872.8	2849.5	2767.3	2839.5
55°	2352.7	2371.1	2450.5	2700.6	3282.4	3943.6	3846.4	3355.2	3313.5	3166.2	3245.7
57.5°	1949.9	1965.4	2045.4	2353.8	3095.1	4162.0	4698.8	3969.7	3912.5	3600.8	3692.5
60°	1472.0	1453.1	1490.9	1760.9	2647.2	4167.6	5451.2	4803.3	4707.7	4065.3	4142.0
62.5°	1104.7	1085.8	1094.1	1170.3	1794.8	3830.8	5880.2	5943.5	5785.7	4589.9	4574.9
65°	873.0	862.4	886.3	938.5	1046.3	2917.3	5883.5	7176.5	7077.1	5197.8	5018.9
67.5°	711.3	704.6	729.0	825.7	848.5	1567.6	5275.6	7752.2	7791.1	5863.5	5430.6
70°	572.9	562.9	601.2	728.5	789.1	948.5	3779.1	7458.8	7521.6	6260.2	5314.5
72.5°	395.6	396.2	415.6	590.1	761.8	819.1	2137.7	6210.8	6346.9	5900.7	4672.1
75°	266.7	268.9	274.5	389.5	701.8	794.6	1139.1	4702.1	4798.3	4877.2	3861.9
77.5°	161.1	162.3	175.0	235.6	484.0	741.8	771.8	3408.5	3484.1	3215.1	2393.8
80°	93.4	97.2	108.9	157.8	326.7	557.3	597.4	2089.9	2175.5	1429.2	760.7
82.5°	41.1	43.9	59.5	91.7	190.6	474.0	466.2	825.7	813.5	398.4	263.9
85°	7.2	8.9	12.8	28.9	70.0	250.1	361.7	364.5	342.9	151.1	109.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	54.5	97.8	97.2	42.8	37.8
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: P630882  
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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1683.1	1683.1	1683.1	1683.1	1683.1	1683.1	1683.1	1683.1	1683.1	1683.1	1683.1
2.5°	1691.5	1676.5	1689.8	1691.5	1688.7	1686.5	1669.8	1655.4	1653.7	1638.1	1638.1
5°	1697.6	1683.7	1690.4	1677.6	1657.6	1637.0	1601.5	1577.0	1565.9	1545.9	1545.9
7.5°	1705.9	1691.5	1683.7	1652.0	1605.3	1560.3	1503.1	1455.3	1435.9	1407.5	1406.4
10°	1713.7	1695.4	1668.7	1607.0	1532.6	1460.9	1377.5	1309.7	1263.6	1229.7	1229.7
12.5°	1713.1	1689.3	1636.5	1545.3	1442.5	1338.6	1227.5	1125.2	1064.1	1011.3	1008.0
15°	1712.0	1679.3	1595.3	1473.7	1337.5	1193.6	1042.4	909.1	818.5	766.8	762.4
17.5°	1710.9	1666.5	1549.2	1392.0	1209.7	1013.6	814.1	669.6	594.0	562.3	563.5
20°	1710.9	1652.0	1499.8	1298.1	1062.5	797.9	597.4	492.3	473.4	475.1	476.8
22.5°	1705.9	1634.2	1444.8	1195.8	898.5	586.8	440.7	405.1	415.1	430.6	432.9
25°	1694.3	1604.8	1380.9	1082.5	703.5	427.3	359.5	352.9	371.2	390.6	396.2
27.5°	1675.9	1570.9	1309.2	949.6	517.9	343.4	316.2	315.6	330.1	344.5	349.5
30°	1656.5	1533.1	1233.6	801.8	375.1	299.0	288.4	288.4	295.6	304.5	303.4
32.5°	1633.7	1494.8	1152.5	647.9	305.6	273.9	270.6	268.9	270.1	273.4	273.4
35°	1614.2	1460.9	1069.1	485.1	273.9	260.1	256.7	252.8	251.2	248.9	250.1
37.5°	1607.0	1434.2	983.0	365.6	258.4	250.1	244.5	238.9	235.1	233.9	233.4
40°	1618.7	1423.1	896.9	301.2	247.3	239.5	233.4	226.2	222.8	222.8	222.8
42.5°	1664.2	1431.4	809.1	272.3	239.5	230.6	221.7	215.0	213.9	215.0	215.6
45°	1747.6	1463.6	717.9	257.8	232.8	221.7	211.2	206.2	206.2	207.3	207.3
47.5°	1896.5	1548.1	627.9	248.9	226.2	214.5	203.4	198.4	197.8	198.9	198.9
50°	2154.4	1700.4	546.8	242.8	221.2	208.9	197.8	191.2	189.5	188.9	188.9
52.5°	2479.4	1964.3	495.1	238.4	215.0	202.8	191.7	182.8	179.5	177.8	177.8
55°	2872.3	2316.1	495.1	235.1	207.3	195.6	182.8	173.9	168.9	166.7	166.7
57.5°	3317.4	2725.6	580.7	232.3	201.2	187.3	173.4	164.5	158.9	155.6	155.6
60°	3770.3	3158.5	792.4	228.4	195.6	176.7	162.8	154.5	147.3	143.4	142.8
62.5°	4239.8	3635.2	1071.3	230.6	191.7	166.7	151.7	142.3	136.1	132.3	131.7
65°	4669.9	4089.2	1315.3	247.8	192.3	157.8	138.9	130.6	125.6	120.6	120.0
67.5°	5035.0	4339.8	1144.1	282.8	203.9	147.3	126.1	117.8	113.4	110.0	109.5
70°	4779.4	3957.5	649.0	304.5	220.0	136.1	111.7	106.1	101.7	99.5	98.9
72.5°	4087.0	3350.7	434.0	268.9	200.6	121.7	98.4	93.9	90.6	87.8	87.2
75°	3310.7	2657.2	331.7	220.6	156.1	98.9	84.5	81.1	77.8	75.0	74.5
77.5°	1958.8	1535.3	244.5	174.5	110.0	77.2	70.0	67.2	63.9	61.7	61.1
80°	625.1	533.4	155.0	120.0	72.8	59.5	53.9	51.7	48.3	45.6	45.0
82.5°	238.4	206.2	82.2	61.1	48.3	40.6	36.1	33.9	31.7	28.9	28.3
85°	105.6	98.9	45.6	32.8	26.1	20.0	17.8	16.7	13.9	11.7	11.1
87.5°	37.2	37.2	19.4	9.4	5.6	2.8	1.7	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)