

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: P632311

Luminaire Tested: GWS-SA2C-740-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632311  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-740-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

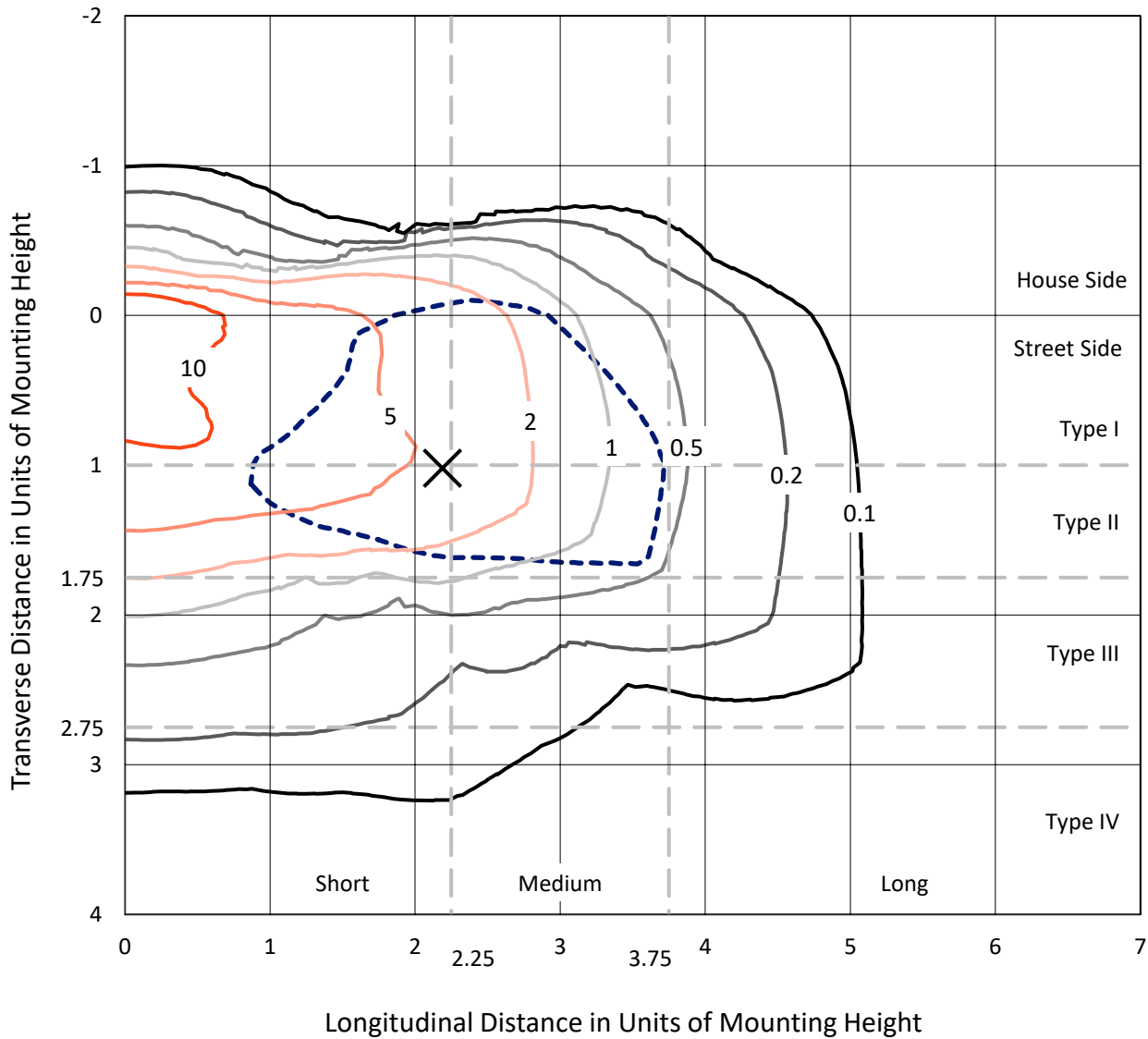
Lumens per Lamp: N/A  
Luminaire Lumens: 7336.8 lumens  
Efficiency: N/A  
Efficacy: 116.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

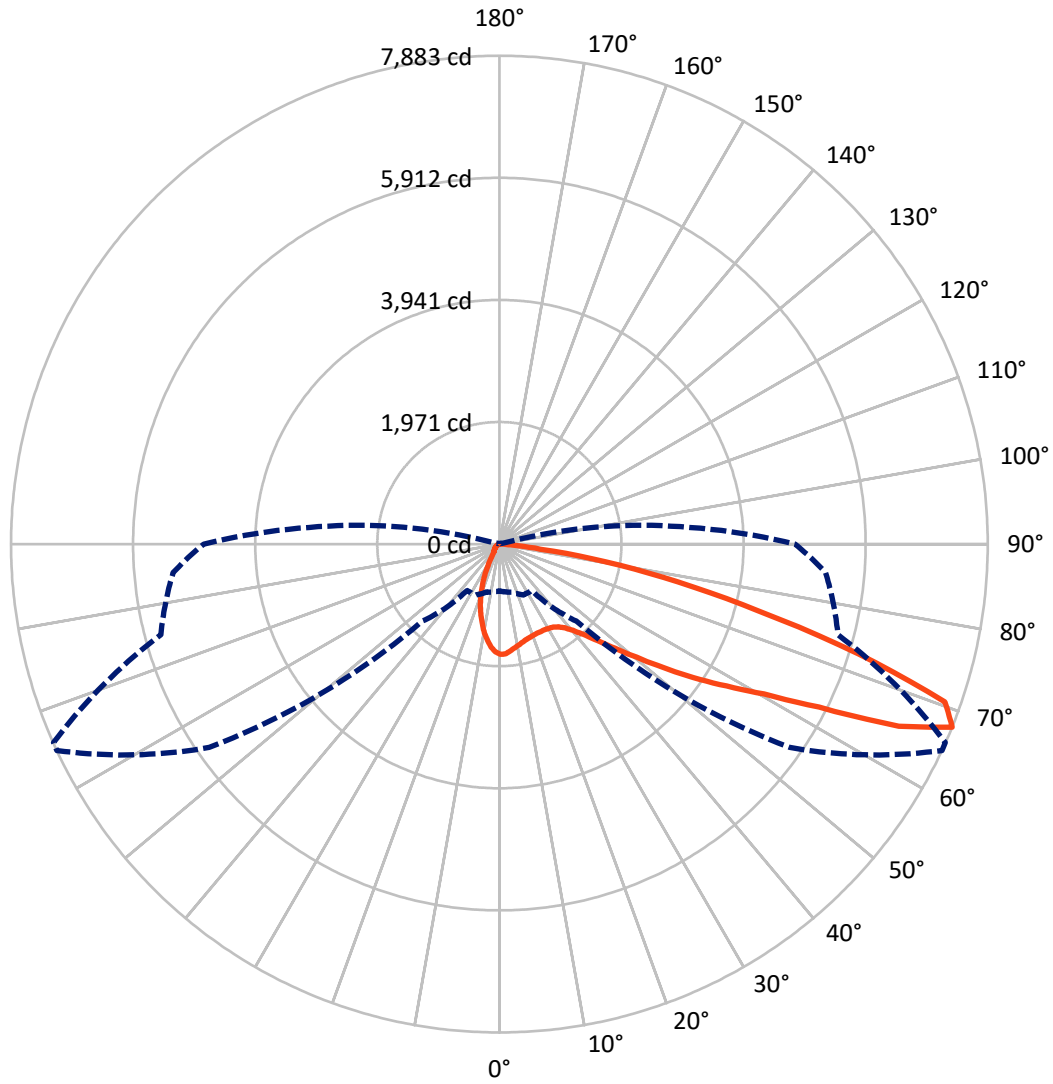
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	916.1	0.0	916.1
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	6420.7	0.0	6420.7
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	7336.8	0.0	7336.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.8	2.0
10°-20°	332.2	4.5
20°-30°	474.7	6.5
30°-40°	690.7	9.4
40°-50°	1081.7	14.7
50°-60°	1687.5	23.0
60°-70°	1853.6	25.3
70°-80°	986.5	13.4
80°-90°	82.1	1.1
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°	7336.8	100.0
0°-180°	7336.8	100.0

**Coefficient of Utilization**



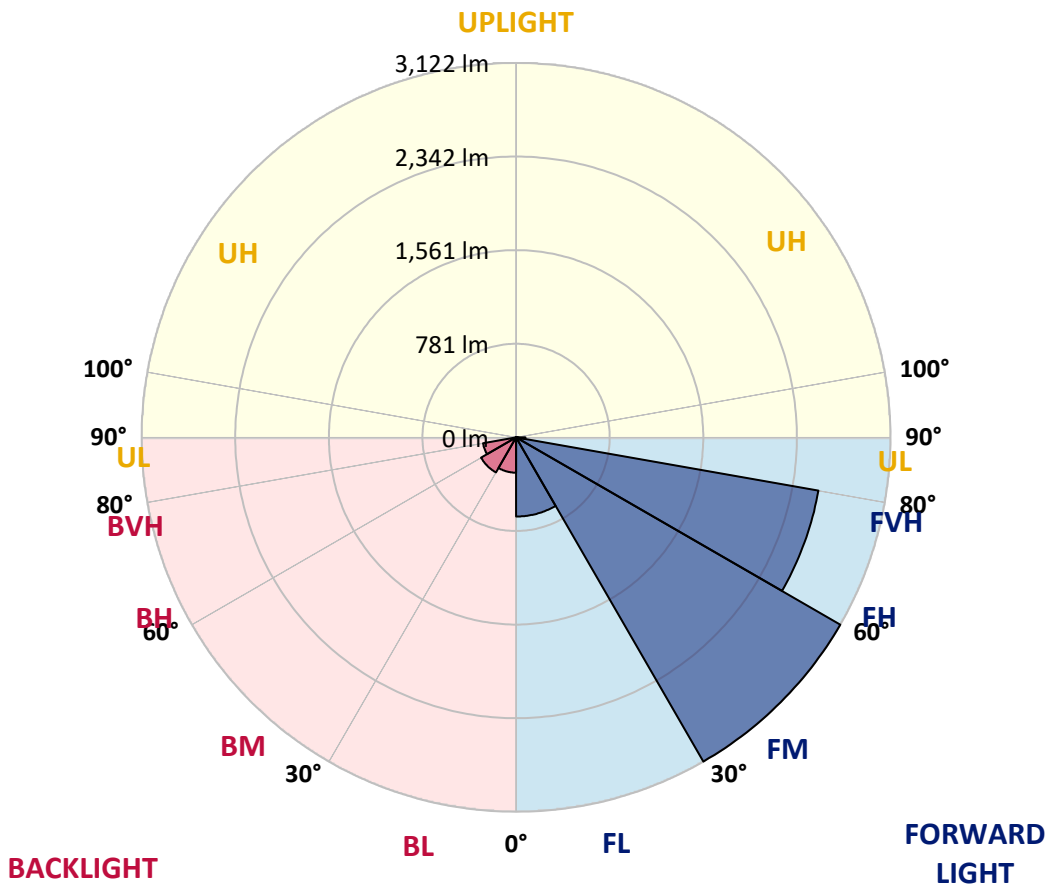
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	660.3	9.0			
FM (30°-60°)	3122.4	42.6			
FH (60°-80°)	2560.3	34.9			G2/5000
FVH (80°-90°)	77.7	1.1			G1/100
BL (0°-30°)	294.5	4.0	B1/500		
BM (30°-60°)	337.5	4.6	B1/1000		
BH (60°-80°)	279.8	3.8	B1/500		G1/500
BVH (80°-90°)	4.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1779.4	1779.4	1779.4	1779.4	1779.4	1779.4	1779.4	1779.4	1779.4	1779.4	1779.4
2.5°	1717.7	1723.0	1715.7	1733.6	1736.9	1756.8	1768.1	1776.1	1775.4	1785.4	1785.4
5°	1616.9	1622.2	1618.2	1637.4	1652.7	1683.9	1709.7	1739.6	1740.9	1771.4	1782.7
7.5°	1531.3	1531.9	1531.9	1555.8	1575.7	1614.2	1652.7	1698.5	1703.8	1750.9	1780.7
10°	1460.9	1462.9	1463.6	1490.8	1512.7	1559.1	1608.2	1663.3	1669.3	1733.0	1779.4
12.5°	1412.5	1413.2	1415.8	1444.4	1468.2	1516.7	1566.4	1629.5	1637.4	1712.4	1773.4
15°	1389.3	1388.0	1389.3	1413.2	1437.1	1483.5	1534.6	1602.3	1610.9	1695.1	1774.1
17.5°	1388.0	1386.0	1384.6	1402.6	1417.8	1459.0	1510.7	1584.3	1593.6	1687.2	1781.4
20°	1407.2	1405.9	1399.2	1407.2	1410.5	1444.4	1495.4	1570.4	1579.7	1685.9	1797.3
22.5°	1457.6	1454.3	1444.4	1437.1	1419.1	1439.0	1484.8	1560.5	1571.1	1689.2	1817.9
25°	1532.6	1531.3	1518.7	1500.8	1455.0	1447.0	1485.5	1560.5	1570.4	1693.2	1839.8
27.5°	1645.4	1637.4	1621.5	1590.3	1524.6	1478.2	1498.8	1564.4	1574.4	1698.5	1857.7
30°	1760.2	1759.5	1754.2	1722.3	1624.8	1537.9	1526.6	1575.1	1584.3	1703.1	1874.3
32.5°	1878.9	1880.9	1894.2	1869.6	1762.8	1626.8	1577.0	1597.0	1603.6	1712.4	1888.9
35°	1991.7	1995.7	2030.9	2039.5	1930.7	1761.5	1659.3	1640.7	1641.4	1733.0	1908.1
37.5°	2099.9	2113.1	2169.5	2211.3	2139.7	1924.7	1778.1	1715.0	1709.7	1774.1	1937.3
40°	2222.6	2247.8	2318.8	2389.8	2367.2	2140.3	1940.0	1829.2	1817.9	1849.7	1989.7
42.5°	2358.6	2385.8	2480.0	2579.5	2590.2	2401.1	2142.3	1995.7	1976.5	1977.1	2087.9
45°	2504.6	2541.1	2650.5	2793.8	2858.2	2691.7	2391.8	2220.6	2201.4	2172.8	2245.8
47.5°	2696.3	2728.2	2833.6	2998.8	3122.3	3003.5	2718.9	2509.9	2474.7	2432.9	2491.3
50°	2861.5	2889.4	2980.3	3187.3	3444.0	3405.6	3089.7	2871.5	2837.6	2766.6	2815.1
52.5°	2898.0	2919.9	3003.5	3236.4	3690.2	3913.1	3544.2	3308.7	3284.8	3153.4	3172.0
55°	2734.1	2767.3	2842.3	3101.0	3754.5	4409.4	4134.0	3801.6	3751.9	3542.2	3575.4
57.5°	2320.1	2379.2	2449.5	2785.9	3580.0	4673.4	4958.1	4323.8	4278.7	3916.4	3917.1
60°	1700.5	1748.2	1795.3	2103.2	3166.0	4655.5	5705.8	4910.3	4828.0	4222.3	4211.0
62.5°	1236.7	1261.2	1260.6	1370.0	2174.2	4349.0	6098.5	5794.0	5602.3	4549.4	4485.0
65°	972.6	972.0	1000.5	1036.3	1214.1	3357.1	6147.0	7084.4	6877.4	4987.9	4853.9
67.5°	757.0	771.6	800.1	905.6	912.3	1756.8	5721.0	7882.6	7878.6	5657.3	5285.8
70°	583.8	603.8	644.2	798.1	842.6	983.3	4280.7	7629.8	7694.2	5956.6	4979.9
72.5°	374.9	373.5	433.2	644.9	809.4	819.4	2367.2	6060.7	6133.7	5395.3	4026.6
75°	209.7	211.0	244.8	394.8	754.4	770.9	1172.3	4321.8	4379.5	4206.3	3093.7
77.5°	82.3	84.9	114.8	207.7	497.6	688.7	696.6	2947.1	2955.7	2606.7	1897.5
80°	33.2	35.2	58.4	128.7	303.2	463.8	497.6	1736.3	1701.1	1009.1	552.0
82.5°	10.0	10.6	23.2	73.0	158.6	329.7	335.7	666.1	629.0	217.0	140.7
85°	0.7	0.7	5.3	22.6	56.4	82.9	223.6	217.0	192.4	54.4	62.4
87.5°	0.0	0.0	0.7	0.7	1.3	2.7	23.9	39.8	40.5	10.0	27.9
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°	1779.4	1779.4	1779.4	1779.4	1779.4	1779.4	1779.4	1779.4	1779.4	1779.4	1779.4
2.5°	1785.4	1761.5	1759.5	1740.9	1722.3	1699.1	1671.9	1652.0	1638.1	1613.5	1608.9
5°	1782.7	1750.9	1721.0	1667.9	1608.9	1545.2	1489.5	1437.7	1405.2	1383.3	1374.0
7.5°	1777.4	1736.9	1667.9	1567.8	1468.9	1357.4	1270.5	1190.9	1136.5	1104.7	1090.7
10°	1773.4	1719.0	1606.9	1455.0	1301.7	1147.8	1015.8	897.7	832.0	780.2	771.6
12.5°	1765.5	1693.2	1528.6	1322.9	1125.2	920.9	752.4	607.7	507.5	462.4	446.5
15°	1757.5	1666.0	1450.3	1183.6	932.8	680.7	476.4	337.0	268.0	246.8	245.5
17.5°	1756.2	1641.4	1365.4	1051.6	731.1	445.8	271.4	218.3	203.7	198.4	198.4
20°	1760.2	1620.8	1281.8	899.7	532.8	271.4	202.4	189.1	180.5	175.8	175.8
22.5°	1764.1	1599.6	1201.5	746.4	353.6	198.4	178.5	167.2	157.2	151.9	149.3
25°	1766.8	1576.4	1112.6	592.5	230.9	172.5	156.6	142.0	130.0	123.4	123.4
27.5°	1766.1	1548.5	1023.1	441.9	179.1	153.3	134.0	118.8	106.8	99.5	100.2
30°	1760.8	1518.0	930.2	308.5	156.6	134.0	114.8	98.9	86.9	80.9	80.3
32.5°	1756.8	1485.5	822.7	217.0	140.7	117.4	97.5	82.3	72.3	67.7	67.0
35°	1752.2	1453.6	720.5	165.2	126.7	101.5	82.3	69.7	61.7	57.7	57.7
37.5°	1753.5	1420.5	609.7	142.0	112.8	88.2	70.3	59.7	53.1	49.1	48.4
40°	1774.1	1400.6	500.9	128.7	100.2	76.3	61.0	51.8	45.1	41.1	40.5
42.5°	1825.2	1401.2	396.8	118.8	88.9	65.0	53.1	44.5	38.5	33.8	33.2
45°	1927.4	1429.1	304.5	108.1	77.0	56.4	45.8	37.8	31.8	27.9	27.2
47.5°	2094.5	1512.0	230.9	98.9	67.0	49.1	39.1	31.8	26.5	23.2	22.6
50°	2360.6	1662.0	181.8	87.6	56.4	42.5	33.2	26.5	21.9	18.6	17.9
52.5°	2680.4	1886.9	155.9	77.6	48.4	37.2	28.5	21.9	17.9	15.3	14.6
55°	3047.9	2155.6	144.0	67.7	41.1	31.8	23.2	17.9	14.6	12.6	11.3
57.5°	3385.0	2397.8	143.3	57.7	35.2	27.2	19.2	15.3	12.6	10.0	9.3
60°	3713.4	2600.1	134.7	47.8	30.5	22.6	16.6	12.6	10.6	8.6	8.0
62.5°	4011.3	2764.6	112.8	38.5	25.9	18.6	13.9	11.3	9.3	7.3	7.3
65°	4385.5	2974.3	86.3	31.2	21.2	15.3	11.9	10.0	8.6	6.6	6.6
67.5°	4772.3	3085.1	61.7	25.9	17.3	13.3	10.6	9.3	7.3	6.0	6.0
70°	4322.5	2606.7	44.5	21.2	14.6	11.3	9.3	8.6	7.3	6.0	5.3
72.5°	3375.7	1879.6	33.2	16.6	12.6	10.6	8.6	8.0	6.6	5.3	5.3
75°	2503.2	1096.0	25.2	13.3	10.0	8.6	8.6	8.0	6.6	5.3	4.6
77.5°	1360.8	382.2	19.2	10.6	8.0	6.6	7.3	7.3	6.0	4.6	4.0
80°	360.3	104.8	13.3	8.0	6.6	5.3	5.3	6.6	5.3	4.0	4.0
82.5°	104.8	30.5	9.3	6.6	5.3	4.6	4.6	4.6	4.0	3.3	2.7
85°	51.1	11.3	6.6	5.3	4.6	4.0	3.3	3.3	2.7	2.0	2.0
87.5°	22.6	4.6	5.3	4.6	4.6	3.3	2.7	2.0	2.0	1.3	0.7
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)