

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: P632421

Luminaire Tested: GWS-SA2C-760-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632421  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

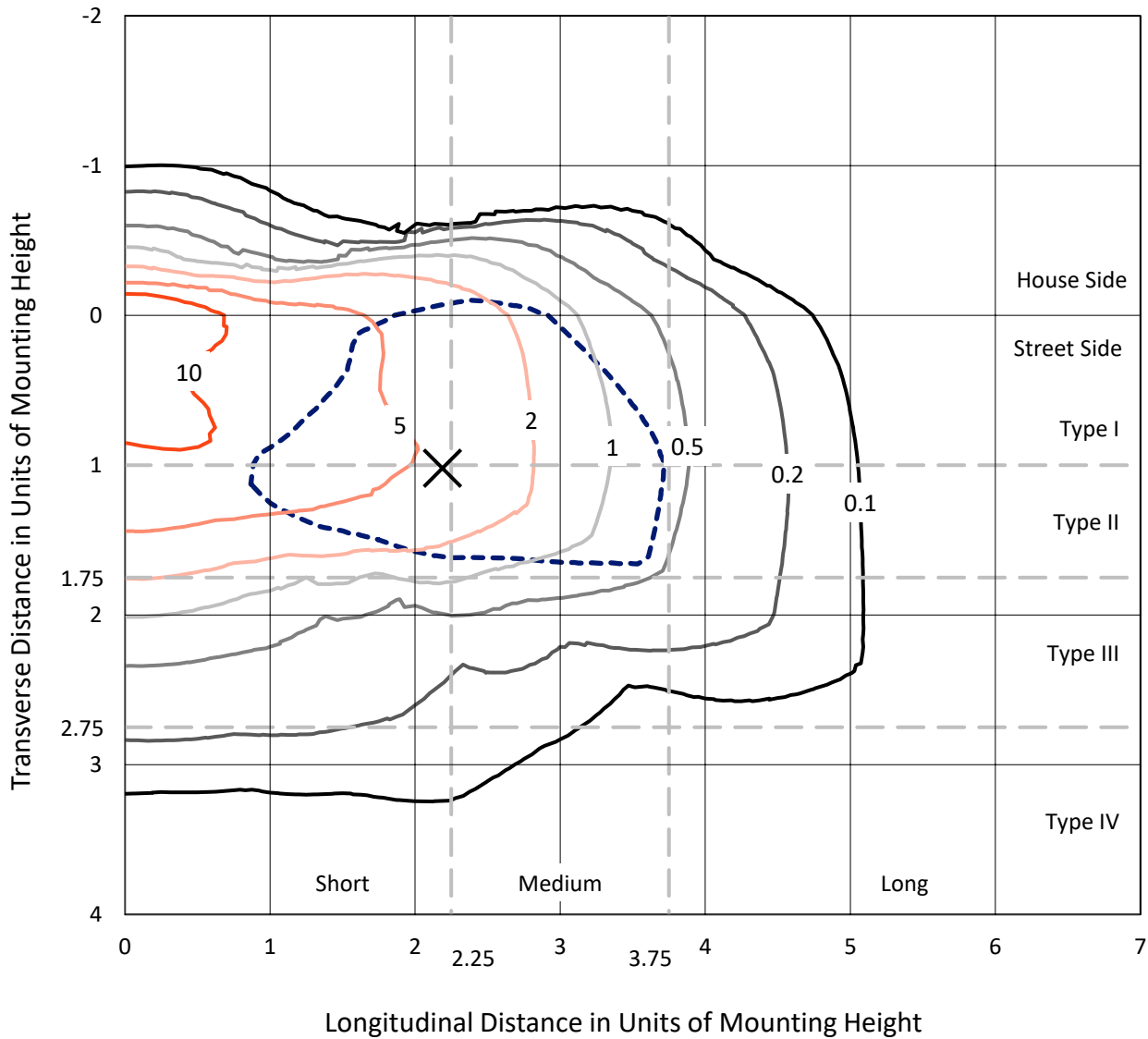
Lumens per Lamp: N/A  
Luminaire Lumens: 7402.1 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

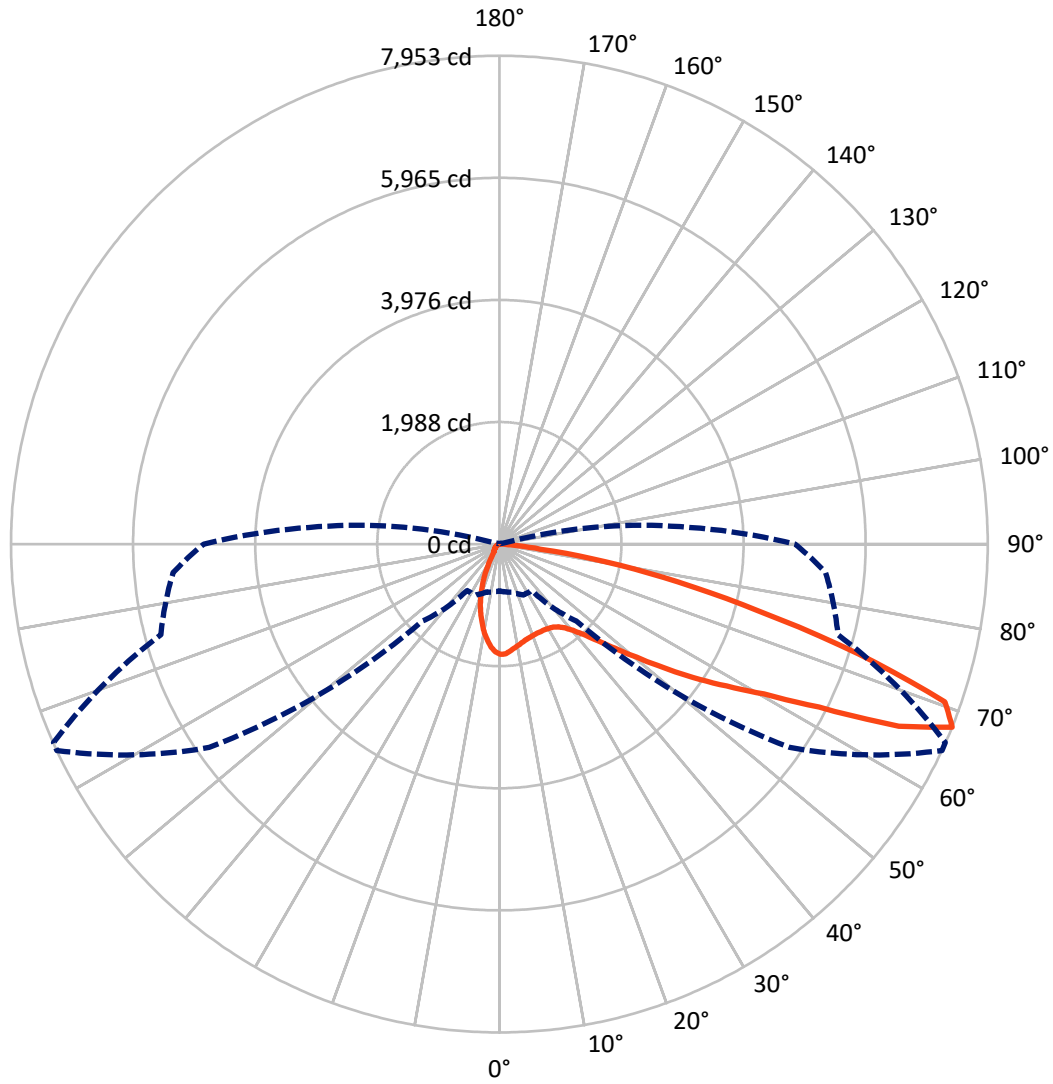
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18 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	924.3	0.0	924.3
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	6477.8	0.0	6477.8
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	7402.1	0.0	7402.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.1	2.0
10°-20°	335.2	4.5
20°-30°	479.0	6.5
30°-40°	696.8	9.4
40°-50°	1091.3	14.7
50°-60°	1702.5	23.0
60°-70°	1870.1	25.3
70°-80°	995.3	13.4
80°-90°	82.9	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°	7402.1	100.0
0°-180°	7402.1	100.0

**Coefficient of Utilization**



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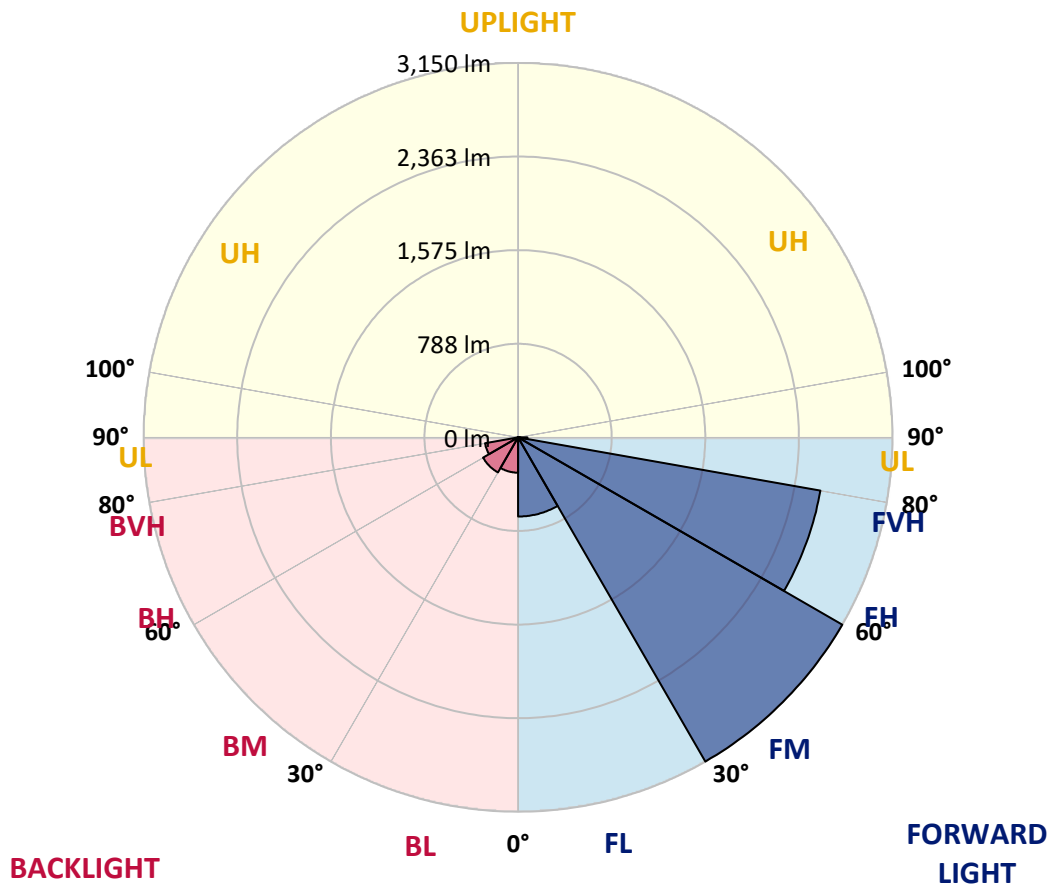
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	666.1	9.0			
FM (30°-60°)	3150.2	42.6			
FH (60°-80°)	2583.1	34.9			G2/5000
FVH (80°-90°)	78.4	1.1			G1/100
BL (0°-30°)	297.1	4.0	B1/500		
BM (30°-60°)	340.5	4.6	B1/1000		
BH (60°-80°)	282.3	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°	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2
2.5°	1733.0	1738.3	1731.0	1749.1	1752.4	1772.5	1783.9	1791.9	1791.2	1801.3	1801.3
5°	1631.2	1636.6	1632.6	1652.0	1667.4	1698.9	1725.0	1755.1	1756.4	1787.2	1798.6
7.5°	1544.9	1545.6	1545.6	1569.7	1589.7	1628.6	1667.4	1713.6	1718.9	1766.5	1796.6
10°	1473.9	1476.0	1476.6	1504.1	1526.2	1573.0	1622.5	1678.1	1684.1	1748.4	1795.2
12.5°	1425.1	1425.8	1428.4	1457.2	1481.3	1530.2	1580.4	1644.0	1652.0	1727.6	1789.2
15°	1401.7	1400.3	1401.7	1425.8	1449.8	1496.7	1548.2	1616.5	1625.2	1710.2	1789.9
17.5°	1400.3	1398.3	1397.0	1415.0	1430.4	1471.9	1524.1	1598.4	1607.8	1702.2	1797.3
20°	1419.7	1418.4	1411.7	1419.7	1423.1	1457.2	1508.8	1584.4	1593.8	1700.9	1813.3
22.5°	1470.6	1467.3	1457.2	1449.8	1431.8	1451.9	1498.0	1574.4	1585.1	1704.2	1834.1
25°	1546.2	1544.9	1532.2	1514.1	1467.9	1459.9	1498.7	1574.4	1584.4	1708.2	1856.2
27.5°	1660.0	1652.0	1635.9	1604.5	1538.2	1491.3	1512.1	1578.4	1588.4	1713.6	1874.2
30°	1775.8	1775.2	1769.8	1737.7	1639.3	1551.6	1540.2	1589.1	1598.4	1718.3	1891.0
32.5°	1895.6	1897.7	1911.0	1886.3	1778.5	1641.3	1591.1	1611.2	1617.9	1727.6	1905.7
35°	2009.4	2013.5	2048.9	2057.6	1947.9	1777.2	1674.1	1655.3	1656.0	1748.4	1925.1
37.5°	2118.5	2131.9	2188.8	2231.0	2158.7	1941.8	1793.9	1730.3	1725.0	1789.9	1954.6
40°	2242.4	2267.8	2339.4	2411.1	2388.3	2159.4	1957.2	1845.4	1834.1	1866.2	2007.4
42.5°	2379.6	2407.0	2502.1	2602.5	2613.2	2422.4	2161.4	2013.5	1994.0	1994.7	2106.5
45°	2526.9	2563.7	2674.1	2818.7	2883.6	2715.6	2413.1	2240.4	2221.0	2192.2	2265.8
47.5°	2720.3	2752.4	2858.9	3025.5	3150.0	3030.2	2743.1	2532.2	2496.7	2454.6	2513.5
50°	2887.0	2915.1	3006.8	3215.6	3474.7	3435.9	3117.2	2897.0	2862.9	2791.3	2840.1
52.5°	2923.8	2945.9	3030.2	3265.2	3723.0	3947.9	3575.8	3338.1	3314.0	3181.5	3200.2
55°	2758.5	2791.9	2867.6	3128.6	3787.9	4448.6	4170.8	3835.5	3785.3	3573.8	3607.2
57.5°	2340.8	2400.4	2471.3	2810.7	3611.9	4715.0	5002.2	4362.3	4316.7	3951.3	3951.9
60°	1715.6	1763.8	1811.3	2121.9	3194.2	4696.9	5756.6	4954.0	4871.0	4259.9	4248.5
62.5°	1247.7	1272.5	1271.8	1382.2	2193.5	4387.7	6152.8	5845.6	5652.1	4589.8	4524.9
65°	981.3	980.6	1009.4	1045.6	1224.9	3387.0	6201.7	7147.5	6938.7	5032.3	4897.1
67.5°	763.7	778.5	807.3	913.7	920.4	1772.5	5772.0	7952.7	7948.7	5707.7	5332.8
70°	589.0	609.1	650.0	805.2	850.1	992.0	4318.8	7697.7	7762.6	6009.6	5024.3
72.5°	378.2	376.9	437.1	650.6	816.6	826.7	2388.3	6114.7	6188.3	5443.3	4062.4
75°	211.5	212.9	247.0	398.3	761.1	777.8	1182.8	4360.3	4418.5	4243.8	3121.3
77.5°	83.0	85.7	115.8	209.5	502.0	694.8	702.8	2973.3	2982.0	2629.9	1914.4
80°	33.5	35.5	58.9	129.9	305.9	467.9	502.0	1751.7	1716.3	1018.1	556.9
82.5°	10.0	10.7	23.4	73.6	160.0	332.7	338.7	672.0	634.6	218.9	141.9
85°	0.7	0.7	5.4	22.8	56.9	83.7	225.6	218.9	194.1	54.9	62.9
87.5°	0.0	0.0	0.7	0.7	1.3	2.7	24.1	40.2	40.8	10.0	28.1
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°	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2
2.5°	1801.3	1777.2	1775.2	1756.4	1737.7	1714.2	1686.8	1666.7	1652.7	1627.9	1623.2
5°	1798.6	1766.5	1736.3	1682.8	1623.2	1559.0	1502.7	1450.5	1417.7	1395.6	1386.3
7.5°	1793.2	1752.4	1682.8	1581.7	1482.0	1369.5	1281.8	1201.5	1146.6	1114.5	1100.4
10°	1789.2	1734.3	1621.2	1467.9	1313.3	1158.0	1024.8	905.7	839.4	787.2	778.5
12.5°	1781.2	1708.2	1542.2	1334.7	1135.2	929.1	759.1	613.1	512.1	466.5	450.5
15°	1773.2	1680.8	1463.2	1194.2	941.1	686.8	480.6	340.0	270.4	249.0	247.7
17.5°	1771.8	1656.0	1377.6	1060.9	737.6	449.8	273.8	220.2	205.5	200.1	200.1
20°	1775.8	1635.3	1293.2	907.7	537.5	273.8	204.2	190.8	182.1	177.4	177.4
22.5°	1779.8	1613.8	1212.2	753.0	356.8	200.1	180.1	168.7	158.6	153.3	150.6
25°	1782.5	1590.4	1122.5	597.7	232.9	174.0	158.0	143.2	131.2	124.5	124.5
27.5°	1781.9	1562.3	1032.2	445.8	180.7	154.6	135.2	119.8	107.8	100.4	101.1
30°	1776.5	1531.5	938.5	311.3	158.0	135.2	115.8	99.7	87.7	81.7	81.0
32.5°	1772.5	1498.7	830.0	218.9	141.9	118.5	98.4	83.0	73.0	68.3	67.6
35°	1767.8	1466.6	726.9	166.7	127.8	102.4	83.0	70.3	62.3	58.2	58.2
37.5°	1769.1	1433.1	615.1	143.2	113.8	89.0	71.0	60.2	53.5	49.5	48.9
40°	1789.9	1413.0	505.4	129.9	101.1	77.0	61.6	52.2	45.5	41.5	40.8
42.5°	1841.4	1413.7	400.3	119.8	89.7	65.6	53.5	44.8	38.8	34.1	33.5
45°	1944.5	1441.8	307.2	109.1	77.6	56.9	46.2	38.2	32.1	28.1	27.4
47.5°	2113.2	1525.5	232.9	99.7	67.6	49.5	39.5	32.1	26.8	23.4	22.8
50°	2381.6	1676.8	183.4	88.4	56.9	42.8	33.5	26.8	22.1	18.7	18.1
52.5°	2704.2	1903.7	157.3	78.3	48.9	37.5	28.8	22.1	18.1	15.4	14.7
55°	3075.1	2174.8	145.3	68.3	41.5	32.1	23.4	18.1	14.7	12.7	11.4
57.5°	3415.1	2419.1	144.6	58.2	35.5	27.4	19.4	15.4	12.7	10.0	9.4
60°	3746.4	2623.2	135.9	48.2	30.8	22.8	16.7	12.7	10.7	8.7	8.0
62.5°	4047.0	2789.3	113.8	38.8	26.1	18.7	14.1	11.4	9.4	7.4	7.4
65°	4424.5	3000.8	87.0	31.5	21.4	15.4	12.0	10.0	8.7	6.7	6.7
67.5°	4814.8	3112.6	62.3	26.1	17.4	13.4	10.7	9.4	7.4	6.0	6.0
70°	4360.9	2629.9	44.8	21.4	14.7	11.4	9.4	8.7	7.4	6.0	5.4
72.5°	3405.7	1896.3	33.5	16.7	12.7	10.7	8.7	8.0	6.7	5.4	5.4
75°	2525.5	1105.8	25.4	13.4	10.0	8.7	8.7	8.0	6.7	5.4	4.7
77.5°	1372.9	385.6	19.4	10.7	8.0	6.7	7.4	7.4	6.0	4.7	4.0
80°	363.5	105.8	13.4	8.0	6.7	5.4	5.4	6.7	5.4	4.0	4.0
82.5°	105.8	30.8	9.4	6.7	5.4	4.7	4.7	4.7	4.0	3.3	2.7
85°	51.5	11.4	6.7	5.4	4.7	4.0	3.3	3.3	2.7	2.0	2.0
87.5°	22.8	4.7	5.4	4.7	4.7	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)