

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: P634566

Luminaire Tested: GWS-SA3C-722-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634566  
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-SA3C-722-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

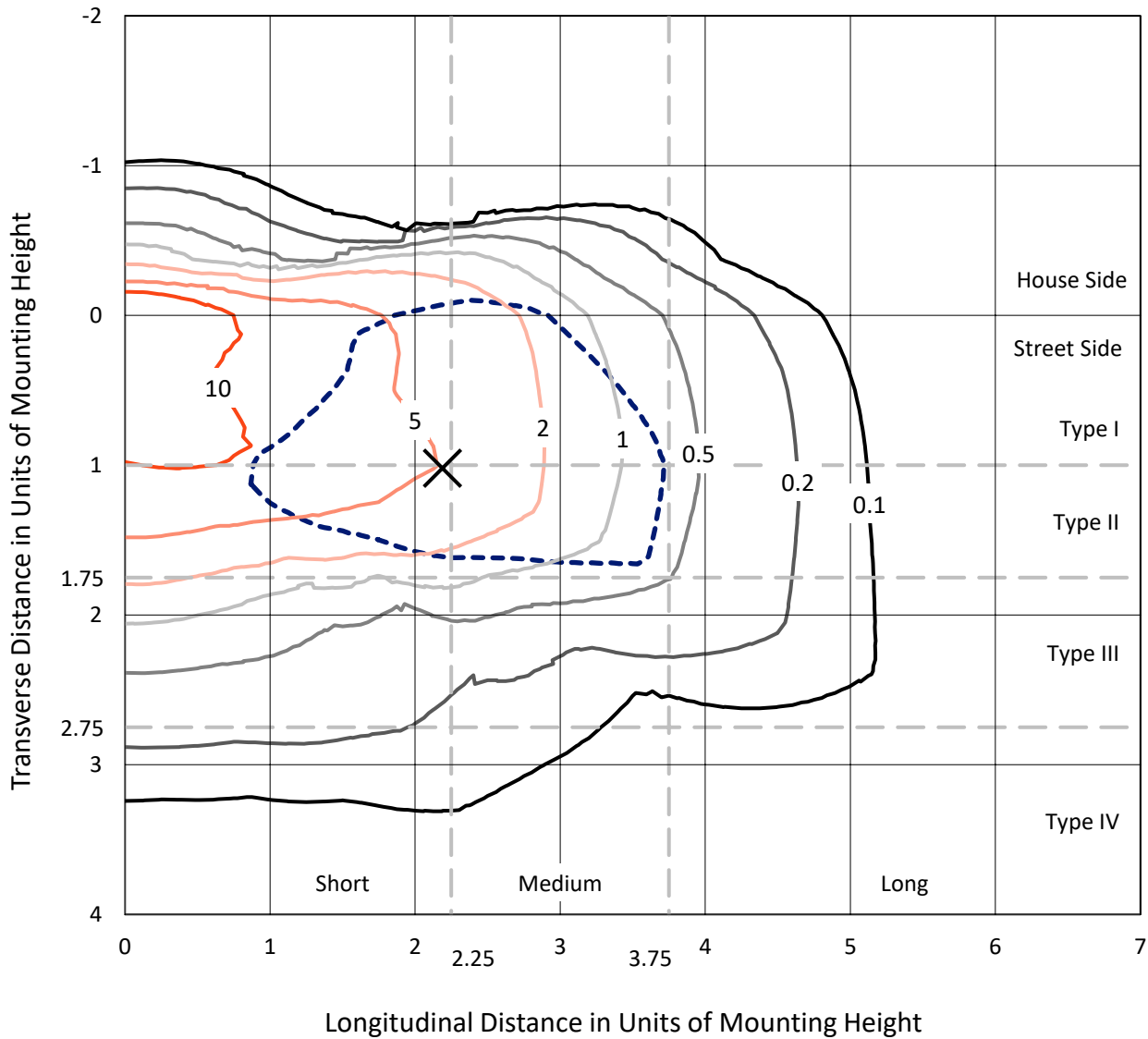
Lumens per Lamp: N/A  
Luminaire Lumens: 8145.3 lumens  
Efficiency: N/A  
Efficacy: 87.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

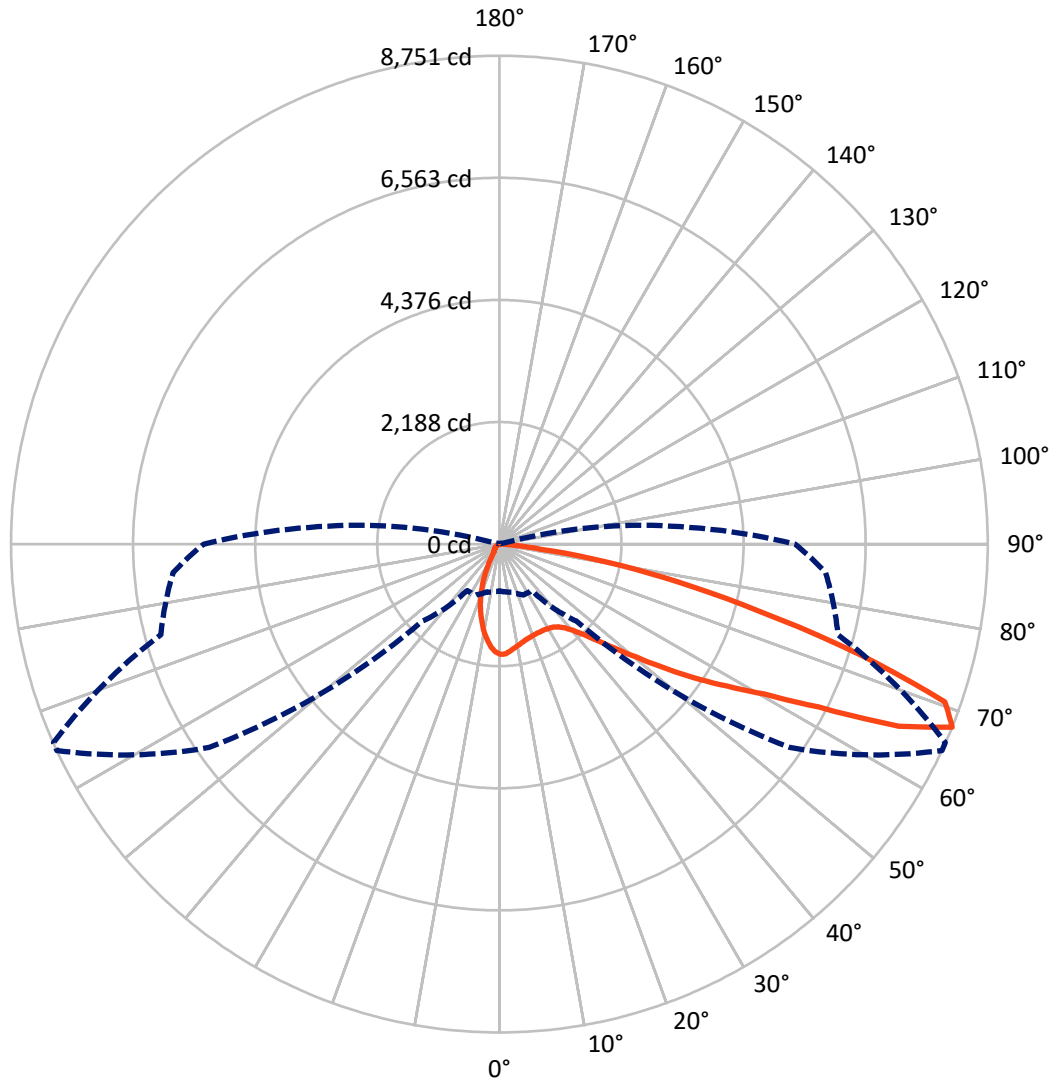
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.8 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	1017.1	0.0	1017.1
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	7128.2	0.0	7128.2
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	8145.3	0.0	8145.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.1	2.0
10°-20°	368.8	4.5
20°-30°	527.0	6.5
30°-40°	766.8	9.4
40°-50°	1200.9	14.7
50°-60°	1873.4	23.0
60°-70°	2057.9	25.3
70°-80°	1095.2	13.4
80°-90°	91.2	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°	8145.3	100.0
0°-180°	8145.3	100.0

**Coefficient of Utilization**



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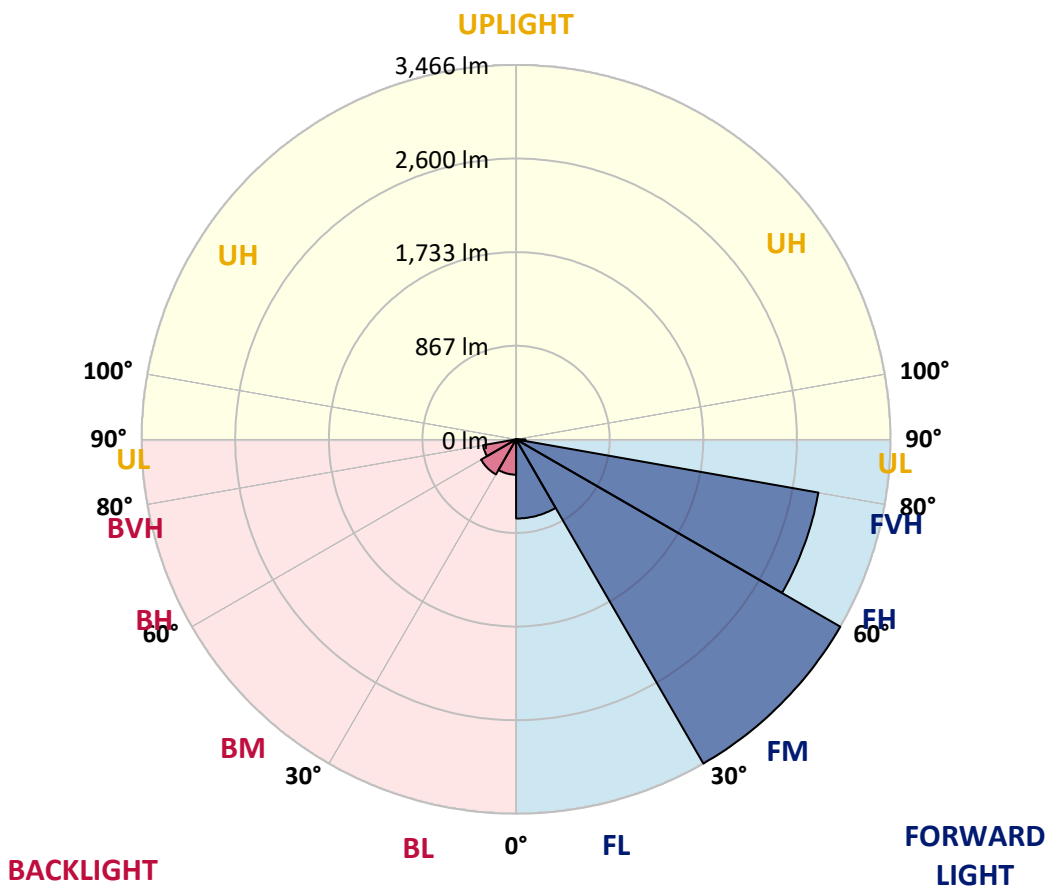
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	733.0	9.0			
FM (30°-60°)	3466.5	42.6			
FH (60°-80°)	2842.4	34.9			G2/5000
FVH (80°-90°)	86.3	1.1			G1/100
BL (0°-30°)	326.9	4.0	B1/500		
BM (30°-60°)	374.6	4.6	B1/1000		
BH (60°-80°)	310.7	3.8	B1/500		G1/500
BVH (80°-90°)	4.9	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°	1975.5	1975.5	1975.5	1975.5	1975.5	1975.5	1975.5	1975.5	1975.5	1975.5	1975.5
2.5°	1907.0	1912.9	1904.8	1924.7	1928.4	1950.4	1963.0	1971.8	1971.1	1982.1	1982.1
5°	1795.0	1800.9	1796.5	1817.9	1834.8	1869.4	1898.2	1931.3	1932.8	1966.7	1979.2
7.5°	1700.0	1700.7	1700.7	1727.3	1749.4	1792.1	1834.8	1885.6	1891.5	1943.8	1977.0
10°	1621.9	1624.1	1624.9	1655.1	1679.4	1730.9	1785.5	1846.6	1853.2	1923.9	1975.5
12.5°	1568.2	1568.9	1571.8	1603.5	1630.0	1683.8	1739.1	1809.0	1817.9	1901.1	1968.9
15°	1542.4	1540.9	1542.4	1568.9	1595.4	1647.0	1703.7	1778.8	1788.4	1881.9	1969.6
17.5°	1540.9	1538.7	1537.2	1557.1	1574.1	1619.7	1677.2	1758.9	1769.3	1873.1	1977.7
20°	1562.3	1560.8	1553.4	1562.3	1566.0	1603.5	1660.2	1743.5	1753.8	1871.6	1995.4
22.5°	1618.3	1614.6	1603.5	1595.4	1575.5	1597.6	1648.5	1732.4	1744.2	1875.3	2018.2
25°	1701.5	1700.0	1686.0	1666.1	1615.3	1606.5	1649.2	1732.4	1743.5	1879.7	2042.5
27.5°	1826.7	1817.9	1800.2	1765.6	1692.6	1641.1	1663.9	1736.8	1747.9	1885.6	2062.4
30°	1954.1	1953.4	1947.5	1912.1	1803.9	1707.4	1694.9	1748.6	1758.9	1890.8	2080.8
32.5°	2086.0	2088.2	2102.9	2075.7	1957.1	1806.1	1750.8	1772.9	1780.3	1901.1	2097.0
35°	2211.2	2215.6	2254.7	2264.2	2143.4	1955.6	1842.2	1821.5	1822.3	1923.9	2118.4
37.5°	2331.3	2346.0	2408.6	2455.0	2375.5	2136.8	1974.0	1904.0	1898.2	1969.6	2150.8
40°	2467.5	2495.5	2574.3	2653.1	2628.1	2376.2	2153.7	2030.7	2018.2	2053.6	2209.0
42.5°	2618.5	2648.7	2753.3	2863.8	2875.6	2665.7	2378.4	2215.6	2194.3	2195.0	2318.0
45°	2780.6	2821.1	2942.6	3101.7	3173.2	2988.3	2655.3	2465.3	2444.0	2412.3	2493.3
47.5°	2993.4	3028.8	3145.9	3329.3	3466.3	3334.5	3018.5	2786.5	2747.4	2701.0	2765.8
50°	3176.8	3207.8	3308.7	3538.5	3823.6	3780.8	3430.2	3187.9	3150.3	3071.5	3125.3
52.5°	3217.4	3241.7	3334.5	3593.0	4096.8	4344.3	3934.8	3673.3	3646.8	3500.9	3521.6
55°	3035.4	3072.3	3155.5	3442.7	4168.3	4895.3	4589.6	4220.6	4165.3	3932.6	3969.4
57.5°	2575.8	2641.4	2719.4	3092.9	3974.6	5188.4	5504.4	4800.3	4750.2	4348.0	4348.7
60°	1887.8	1940.9	1993.2	2334.9	3514.9	5168.5	6334.5	5451.4	5360.0	4687.6	4675.0
62.5°	1373.0	1400.2	1399.5	1521.0	2413.8	4828.2	6770.6	6432.5	6219.6	5050.7	4979.2
65°	1079.8	1079.1	1110.8	1150.5	1347.9	3727.1	6824.4	7865.1	7635.3	5537.6	5388.8
67.5°	840.4	856.6	888.3	1005.4	1012.8	1950.4	6351.5	8751.2	8746.8	6280.8	5868.3
70°	648.2	670.3	715.2	886.1	935.4	1091.6	4752.4	8470.6	8542.1	6613.0	5528.7
72.5°	416.2	414.7	481.0	716.0	898.6	909.7	2628.1	6728.6	6809.6	5989.8	4470.3
75°	232.8	234.2	271.8	438.3	837.5	855.9	1301.5	4798.0	4862.1	4669.9	3434.6
77.5°	91.3	94.3	127.4	230.5	552.4	764.6	773.4	3271.9	3281.4	2894.0	2106.6
80°	36.8	39.0	64.8	142.9	336.6	514.9	552.4	1927.6	1888.6	1120.3	612.8
82.5°	11.0	11.8	25.8	81.0	176.0	366.1	372.7	739.5	698.3	240.9	156.2
85°	0.7	0.7	5.9	25.0	62.6	92.1	248.2	240.9	213.6	60.4	69.2
87.5°	0.0	0.0	0.7	0.7	1.5	2.9	26.5	44.2	44.9	11.0	30.9
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°	1975.5	1975.5	1975.5	1975.5	1975.5	1975.5	1975.5	1975.5	1975.5	1975.5	1975.5
2.5°	1982.1	1955.6	1953.4	1932.8	1912.1	1886.4	1856.2	1834.1	1818.6	1791.3	1786.2
5°	1979.2	1943.8	1910.7	1851.7	1786.2	1715.5	1653.6	1596.2	1560.1	1535.8	1525.4
7.5°	1973.3	1928.4	1851.7	1740.5	1630.8	1507.0	1410.5	1322.2	1261.8	1226.4	1210.9
10°	1968.9	1908.5	1784.0	1615.3	1445.2	1274.3	1127.7	996.6	923.7	866.2	856.6
12.5°	1960.0	1879.7	1697.1	1468.7	1249.2	1022.4	835.3	674.7	563.5	513.4	495.7
15°	1951.2	1849.5	1610.2	1314.0	1035.6	755.7	528.9	374.2	297.6	274.0	272.5
17.5°	1949.7	1822.3	1515.9	1167.5	811.7	495.0	301.3	242.3	226.1	220.2	220.2
20°	1954.1	1799.5	1423.1	998.8	591.5	301.3	224.7	209.9	200.3	195.2	195.2
22.5°	1958.6	1775.9	1333.9	828.6	392.6	220.2	198.1	185.6	174.6	168.7	165.7
25°	1961.5	1750.1	1235.2	657.8	256.3	191.5	173.8	157.6	144.4	137.0	137.0
27.5°	1960.8	1719.2	1135.8	490.6	198.9	170.1	148.8	131.8	118.6	110.5	111.2
30°	1954.9	1685.3	1032.7	342.5	173.8	148.8	127.4	109.7	96.5	89.9	89.1
32.5°	1950.4	1649.2	913.4	240.9	156.2	130.4	108.3	91.3	80.3	75.1	74.4
35°	1945.3	1613.8	799.9	183.4	140.7	112.7	91.3	77.3	68.5	64.1	64.1
37.5°	1946.8	1577.0	676.9	157.6	125.2	98.0	78.1	66.3	58.9	54.5	53.8
40°	1969.6	1554.9	556.1	142.9	111.2	84.7	67.8	57.5	50.1	45.7	44.9
42.5°	2026.3	1555.6	440.5	131.8	98.7	72.2	58.9	49.4	42.7	37.6	36.8
45°	2139.7	1586.6	338.1	120.1	85.4	62.6	50.8	42.0	35.4	30.9	30.2
47.5°	2325.4	1678.7	256.3	109.7	74.4	54.5	43.5	35.4	29.5	25.8	25.0
50°	2620.7	1845.1	201.8	97.2	62.6	47.1	36.8	29.5	24.3	20.6	19.9
52.5°	2975.8	2094.8	173.1	86.2	53.8	41.2	31.7	24.3	19.9	16.9	16.2
55°	3383.8	2393.1	159.8	75.1	45.7	35.4	25.8	19.9	16.2	14.0	12.5
57.5°	3758.0	2662.0	159.1	64.1	39.0	30.2	21.4	16.9	14.0	11.0	10.3
60°	4122.6	2886.6	149.5	53.0	33.9	25.0	18.4	14.0	11.8	9.6	8.8
62.5°	4453.3	3069.3	125.2	42.7	28.7	20.6	15.5	12.5	10.3	8.1	8.1
65°	4868.8	3302.1	95.8	34.6	23.6	16.9	13.3	11.0	9.6	7.4	7.4
67.5°	5298.2	3425.1	68.5	28.7	19.2	14.7	11.8	10.3	8.1	6.6	6.6
70°	4798.8	2894.0	49.4	23.6	16.2	12.5	10.3	9.6	8.1	6.6	5.9
72.5°	3747.7	2086.7	36.8	18.4	14.0	11.8	9.6	8.8	7.4	5.9	5.9
75°	2779.1	1216.8	28.0	14.7	11.0	9.6	9.6	8.8	7.4	5.9	5.2
77.5°	1510.7	424.3	21.4	11.8	8.8	7.4	8.1	8.1	6.6	5.2	4.4
80°	400.0	116.4	14.7	8.8	7.4	5.9	5.9	7.4	5.9	4.4	4.4
82.5°	116.4	33.9	10.3	7.4	5.9	5.2	5.2	5.2	4.4	3.7	2.9
85°	56.7	12.5	7.4	5.9	5.2	4.4	3.7	3.7	2.9	2.2	2.2
87.5°	25.0	5.2	5.9	5.2	5.2	3.7	2.9	2.2	2.2	1.5	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)