

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: P632366

Luminaire Tested: GWS-SA2C-750-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632366  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

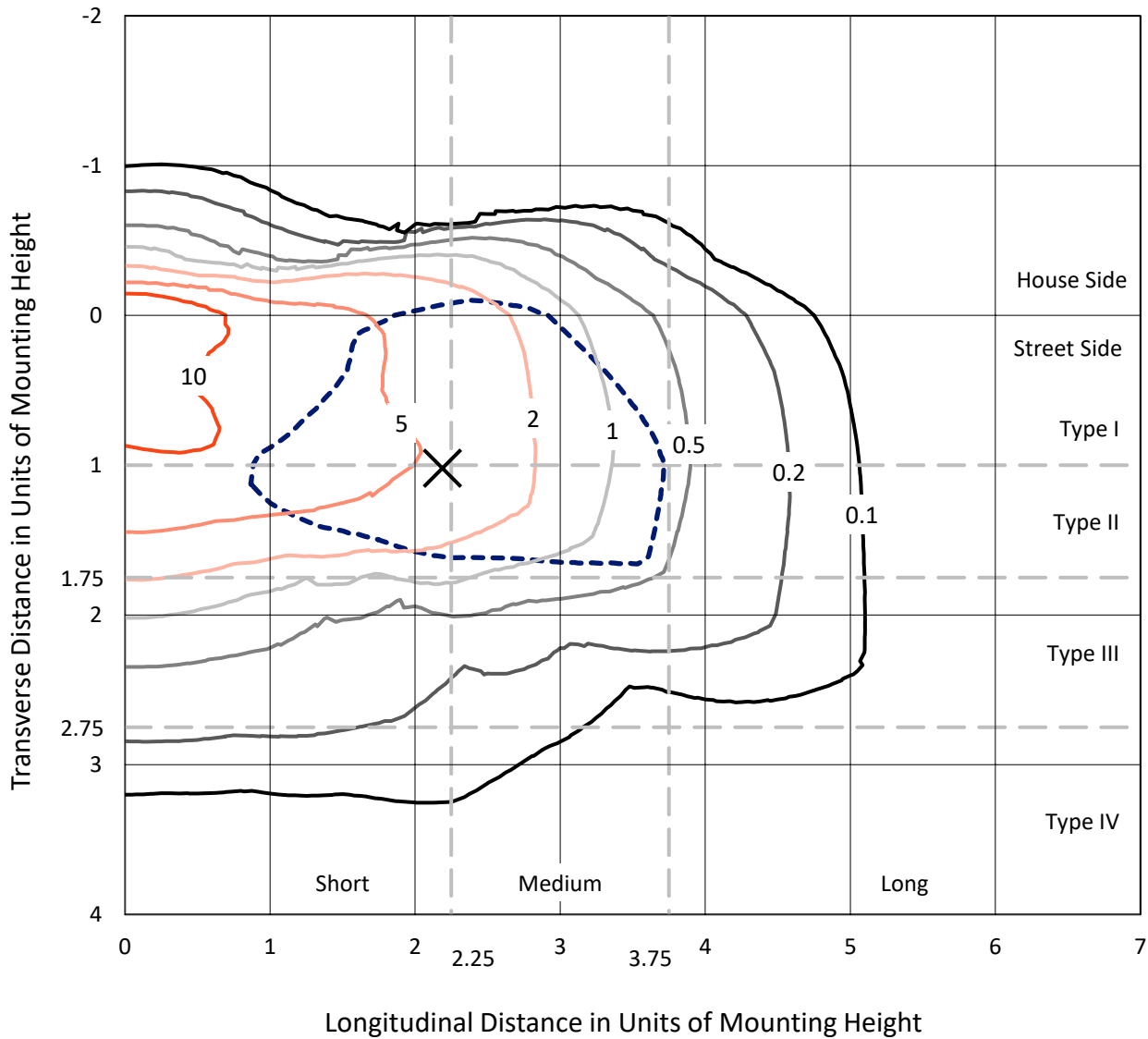
Lumens per Lamp: N/A  
Luminaire Lumens: 7504.9 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

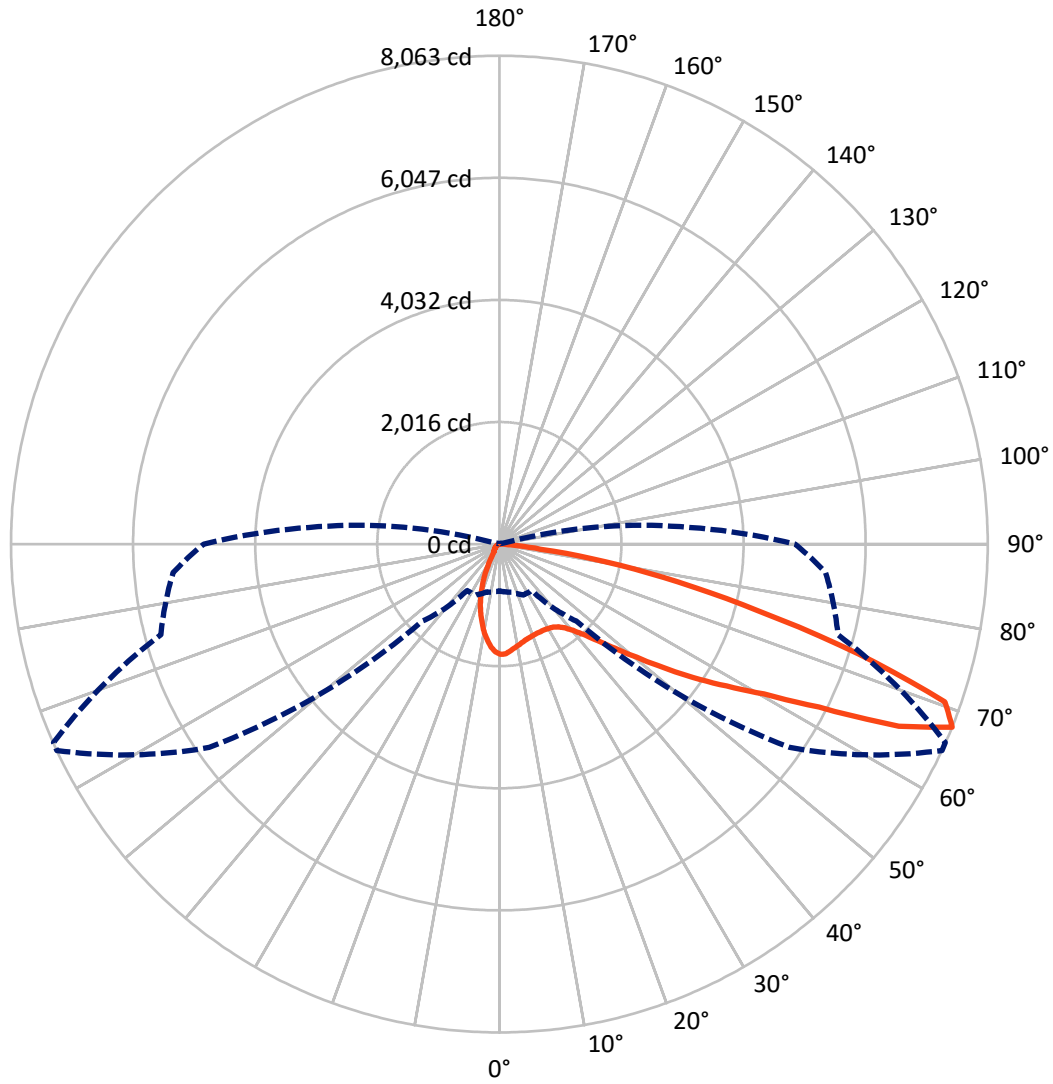
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.2 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	937.1	0.0	937.1
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	6567.8	0.0	6567.8
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	7504.9	0.0	7504.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.2	2.0
10°-20°	339.8	4.5
20°-30°	485.6	6.5
30°-40°	706.5	9.4
40°-50°	1106.5	14.7
50°-60°	1726.1	23.0
60°-70°	1896.1	25.3
70°-80°	1009.1	13.4
80°-90°	84.0	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°	7504.9	100.0
0°-180°	7504.9	100.0

**Coefficient of Utilization**



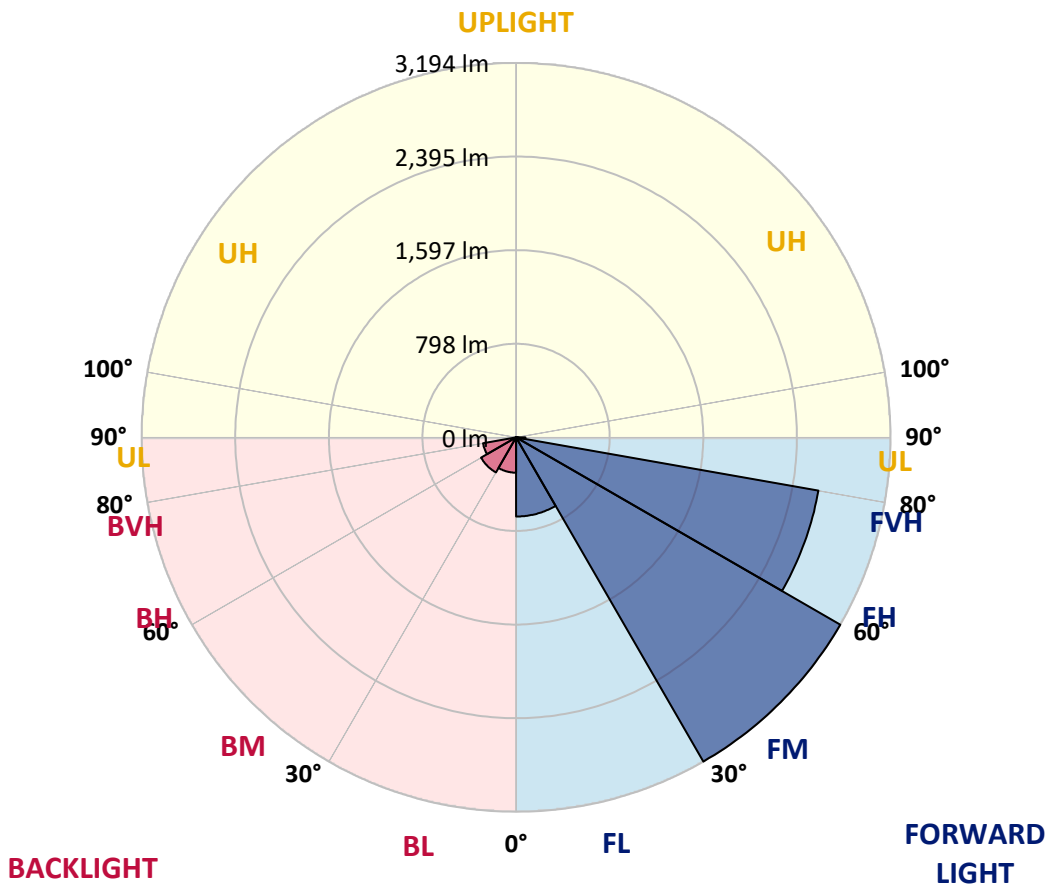
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	675.4	9.0			
FM (30°-60°)	3193.9	42.6			
FH (60°-80°)	2618.9	34.9			G2/5000
FVH (80°-90°)	79.5	1.1			G1/100
BL (0°-30°)	301.2	4.0	B1/500		
BM (30°-60°)	345.2	4.6	B1/1000		
BH (60°-80°)	286.2	3.8	B1/500		G1/500
BVH (80°-90°)	4.5	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°	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2
2.5°	1757.1	1762.5	1755.0	1773.3	1776.7	1797.1	1808.6	1816.8	1816.1	1826.3	1826.3
5°	1653.9	1659.3	1655.3	1674.9	1690.5	1722.4	1748.9	1779.5	1780.8	1812.0	1823.6
7.5°	1566.4	1567.0	1567.0	1591.5	1611.8	1651.2	1690.5	1737.4	1742.8	1791.0	1821.5
10°	1494.4	1496.5	1497.1	1525.0	1547.4	1594.9	1645.1	1701.4	1707.5	1772.7	1820.2
12.5°	1444.9	1445.6	1448.3	1477.4	1501.9	1551.4	1602.3	1666.8	1674.9	1751.6	1814.1
15°	1421.1	1419.8	1421.1	1445.6	1470.0	1517.5	1569.7	1639.0	1647.8	1734.0	1814.7
17.5°	1419.8	1417.7	1416.4	1434.7	1450.3	1492.4	1545.3	1620.6	1630.1	1725.8	1822.2
20°	1439.4	1438.1	1431.3	1439.4	1442.8	1477.4	1529.7	1606.4	1615.9	1724.5	1838.5
22.5°	1491.0	1487.6	1477.4	1470.0	1451.7	1472.0	1518.8	1596.2	1607.1	1727.9	1859.5
25°	1567.7	1566.4	1553.5	1535.1	1488.3	1480.2	1519.5	1596.2	1606.4	1731.9	1881.9
27.5°	1683.1	1674.9	1658.7	1626.8	1559.6	1512.1	1533.1	1600.3	1610.5	1737.4	1900.3
30°	1800.5	1799.8	1794.4	1761.8	1662.0	1573.1	1561.6	1611.1	1620.6	1742.1	1917.2
32.5°	1922.0	1924.0	1937.6	1912.5	1803.2	1664.1	1613.2	1633.5	1640.3	1751.6	1932.2
35°	2037.3	2041.4	2077.4	2086.2	1974.9	1801.9	1697.3	1678.3	1679.0	1772.7	1951.8
37.5°	2148.0	2161.5	2219.2	2262.0	2188.7	1968.8	1818.8	1754.3	1748.9	1814.7	1981.7
40°	2273.5	2299.3	2371.9	2444.5	2421.5	2189.4	1984.4	1871.1	1859.5	1892.1	2035.3
42.5°	2412.6	2440.5	2536.8	2638.6	2649.5	2456.1	2191.4	2041.4	2021.7	2022.4	2135.8
45°	2562.0	2599.3	2711.3	2857.9	2923.7	2753.3	2446.6	2271.5	2251.8	2222.6	2297.3
47.5°	2758.1	2790.7	2898.6	3067.6	3193.8	3072.3	2781.2	2567.4	2531.4	2488.7	2548.4
50°	2927.1	2955.6	3048.6	3260.3	3522.9	3483.6	3160.5	2937.3	2902.6	2830.0	2879.6
52.5°	2964.4	2986.8	3072.3	3310.5	3774.7	4002.8	3625.4	3384.5	3360.1	3225.7	3244.7
55°	2796.8	2830.7	2907.4	3172.1	3840.6	4510.4	4228.8	3888.7	3837.8	3623.4	3657.3
57.5°	2373.3	2433.7	2505.6	2849.7	3662.1	4780.5	5071.6	4422.8	4376.7	4006.1	4006.8
60°	1739.4	1788.3	1836.5	2151.4	3238.6	4762.2	5836.5	5022.8	4938.6	4319.0	4307.5
62.5°	1265.0	1290.1	1289.5	1401.4	2224.0	4448.6	6238.3	5926.8	5730.6	4653.6	4587.8
65°	994.9	994.2	1023.4	1060.1	1242.0	3434.0	6287.8	7246.8	7035.0	5102.2	4965.1
67.5°	774.4	789.3	818.5	926.4	933.2	1797.1	5852.1	8063.2	8059.1	5787.0	5406.9
70°	597.2	617.6	659.0	816.4	861.9	1005.8	4378.7	7804.6	7870.5	6093.0	5094.0
72.5°	383.4	382.1	443.2	659.7	828.0	838.1	2421.5	6199.6	6274.2	5518.9	4118.8
75°	214.5	215.8	250.4	403.8	771.6	788.6	1199.2	4420.8	4479.9	4302.7	3164.6
77.5°	84.2	86.9	117.4	212.4	509.0	704.5	712.6	3014.6	3023.4	2666.5	1941.0
80°	33.9	36.0	59.7	131.7	310.1	474.4	509.0	1776.1	1740.1	1032.2	564.6
82.5°	10.2	10.9	23.8	74.7	162.2	337.3	343.4	681.4	643.4	221.9	143.9
85°	0.7	0.7	5.4	23.1	57.7	84.8	228.7	221.9	196.8	55.7	63.8
87.5°	0.0	0.0	0.7	0.7	1.4	2.7	24.4	40.7	41.4	10.2	28.5
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°	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2
2.5°	1826.3	1801.9	1799.8	1780.8	1761.8	1738.1	1710.2	1689.9	1675.6	1650.5	1645.8
5°	1823.6	1791.0	1760.5	1706.2	1645.8	1580.6	1523.6	1470.7	1437.4	1415.0	1405.5
7.5°	1818.1	1776.7	1706.2	1603.7	1502.6	1388.5	1299.6	1218.2	1162.6	1130.0	1115.7
10°	1814.1	1758.4	1643.7	1488.3	1331.5	1174.1	1039.0	918.2	851.0	798.1	789.3
12.5°	1805.9	1731.9	1563.6	1353.3	1151.0	942.0	769.6	621.7	519.2	473.0	456.7
15°	1797.8	1704.1	1483.6	1210.7	954.2	696.3	487.3	344.8	274.2	252.5	251.1
17.5°	1796.4	1679.0	1396.7	1075.7	747.9	456.1	277.6	223.3	208.3	202.9	202.9
20°	1800.5	1658.0	1311.2	920.3	545.0	277.6	207.0	193.4	184.6	179.8	179.8
22.5°	1804.6	1636.3	1229.1	763.5	361.7	202.9	182.6	171.0	160.8	155.4	152.7
25°	1807.3	1612.5	1138.1	606.0	236.2	176.5	160.2	145.2	133.0	126.2	126.2
27.5°	1806.6	1584.0	1046.5	452.0	183.2	156.8	137.1	121.5	109.3	101.8	102.5
30°	1801.2	1552.8	951.5	315.6	160.2	137.1	117.4	101.1	88.9	82.8	82.1
32.5°	1797.1	1519.5	841.5	221.9	143.9	120.1	99.8	84.2	74.0	69.2	68.5
35°	1792.3	1487.0	737.0	169.0	129.6	103.8	84.2	71.3	63.1	59.0	59.0
37.5°	1793.7	1453.0	623.7	145.2	115.4	90.3	71.9	61.1	54.3	50.2	49.5
40°	1814.7	1432.7	512.4	131.7	102.5	78.0	62.4	52.9	46.1	42.1	41.4
42.5°	1867.0	1433.3	405.8	121.5	90.9	66.5	54.3	45.5	39.4	34.6	33.9
45°	1971.5	1461.8	311.5	110.6	78.7	57.7	46.8	38.7	32.6	28.5	27.8
47.5°	2142.5	1546.7	236.2	101.1	68.5	50.2	40.0	32.6	27.1	23.8	23.1
50°	2414.7	1700.1	186.0	89.6	57.7	43.4	33.9	27.1	22.4	19.0	18.3
52.5°	2741.8	1930.1	159.5	79.4	49.5	38.0	29.2	22.4	18.3	15.6	14.9
55°	3117.8	2205.0	147.3	69.2	42.1	32.6	23.8	18.3	14.9	12.9	11.5
57.5°	3462.5	2452.7	146.6	59.0	36.0	27.8	19.7	15.6	12.9	10.2	9.5
60°	3798.5	2659.7	137.8	48.9	31.2	23.1	17.0	12.9	10.9	8.8	8.1
62.5°	4103.2	2828.0	115.4	39.4	26.5	19.0	14.3	11.5	9.5	7.5	7.5
65°	4486.0	3042.4	88.2	31.9	21.7	15.6	12.2	10.2	8.8	6.8	6.8
67.5°	4881.6	3155.8	63.1	26.5	17.6	13.6	10.9	9.5	7.5	6.1	6.1
70°	4421.5	2666.5	45.5	21.7	14.9	11.5	9.5	8.8	7.5	6.1	5.4
72.5°	3453.0	1922.7	33.9	17.0	12.9	10.9	8.8	8.1	6.8	5.4	5.4
75°	2560.6	1121.2	25.8	13.6	10.2	8.8	8.8	8.1	6.8	5.4	4.8
77.5°	1391.9	390.9	19.7	10.9	8.1	6.8	7.5	7.5	6.1	4.8	4.1
80°	368.5	107.2	13.6	8.1	6.8	5.4	5.4	6.8	5.4	4.1	4.1
82.5°	107.2	31.2	9.5	6.8	5.4	4.8	4.8	4.8	4.1	3.4	2.7
85°	52.3	11.5	6.8	5.4	4.8	4.1	3.4	3.4	2.7	2.0	2.0
87.5°	23.1	4.8	5.4	4.8	4.8	3.4	2.7	2.0	2.0	1.4	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)