

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: P641853

Luminaire Tested: GWS-SA6B-760-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15682.1 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

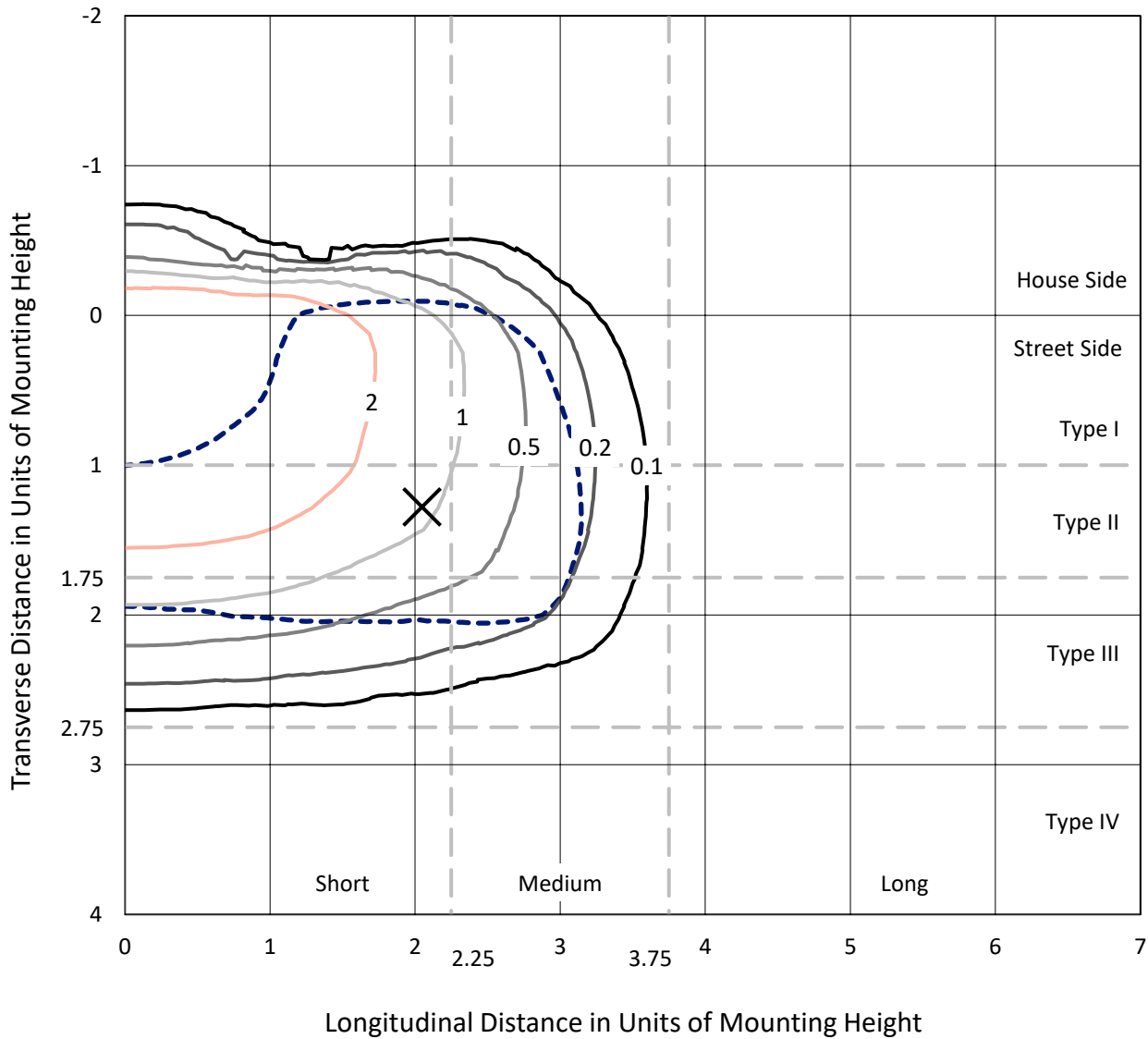
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

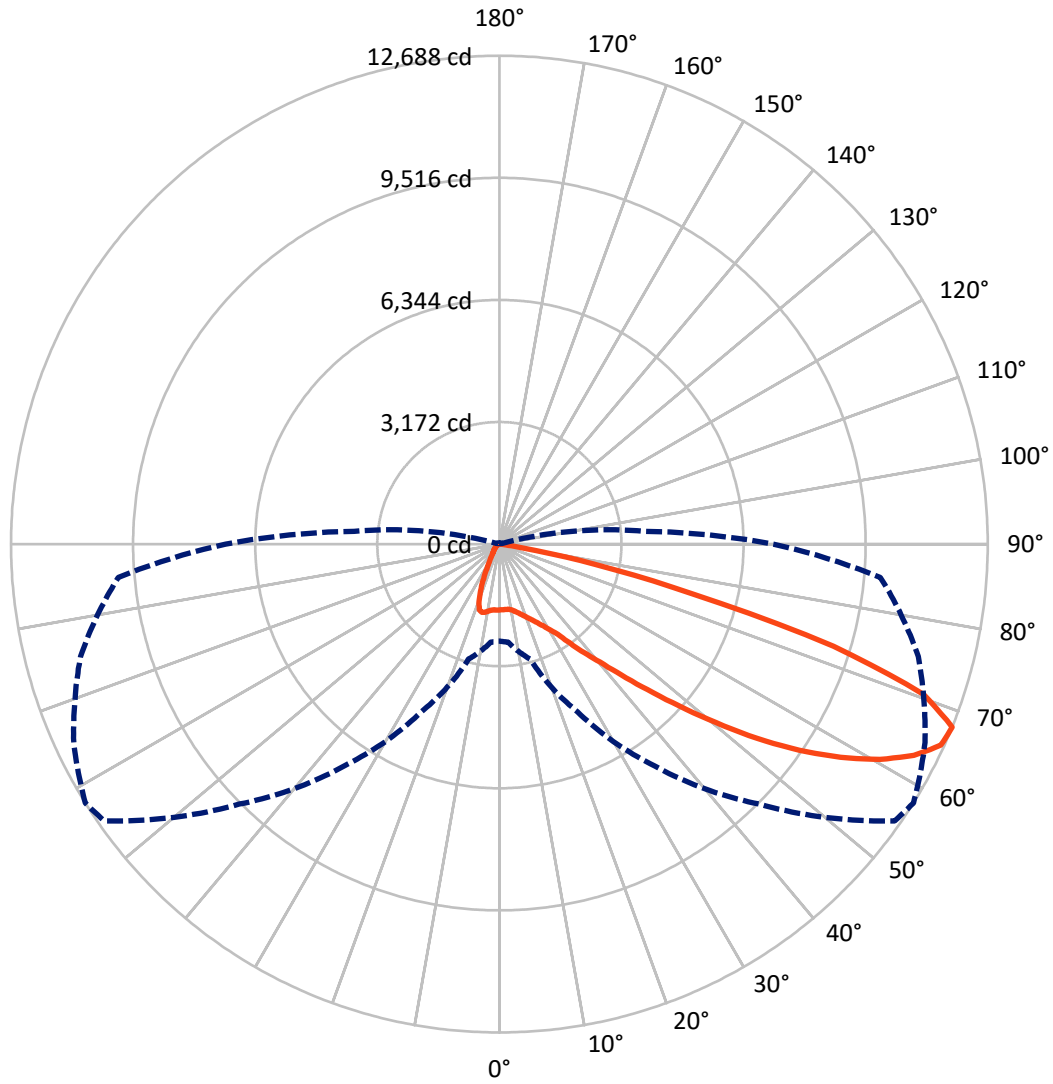
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1710.9	0.0	1710.9
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	13971.2	0.0	13971.2
	% Fixture	89.1	0.0	89.1
Total	Lumens	15682.1	0.0	15682.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.5	1.0
10°-20°	450.7	2.9
20°-30°	786.7	5.0
30°-40°	1405.0	9.0
40°-50°	2568.1	16.4
50°-60°	4271.0	27.2
60°-70°	4639.1	29.6
70°-80°	1362.1	8.7
80°-90°	38.8	0.2
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°	15682.1	100.0
0°-180°	15682.1	100.0

Coefficient of Utilization



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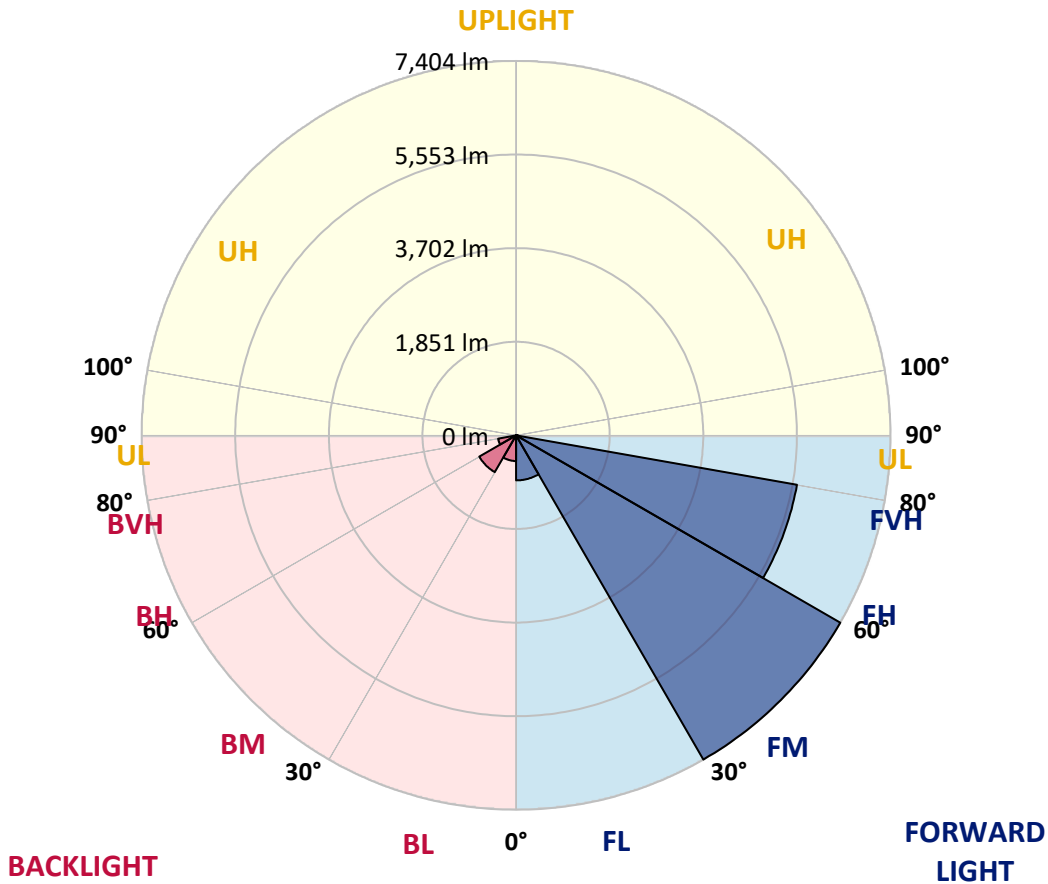
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	890.5	5.7			
FM (30°-60°)	7403.8	47.2			
FH (60°-80°)	5640.0	36.0			G3/7500
FVH (80°-90°)	36.9	0.2			G1/100
BL (0°-30°)	507.5	3.2	B2/1000		
BM (30°-60°)	840.3	5.4	B1/1000		
BH (60°-80°)	361.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9
2.5°	1676.7	1673.7	1673.7	1685.9	1687.4	1693.6	1707.3	1708.9	1716.5	1713.5	1702.8
5°	1589.4	1591.0	1600.2	1621.6	1640.0	1662.9	1696.6	1704.3	1721.1	1730.3	1724.2
7.5°	1508.3	1509.8	1523.6	1557.3	1592.5	1638.4	1693.6	1708.9	1742.6	1767.1	1768.6
10°	1477.7	1476.1	1489.9	1528.2	1574.1	1638.4	1718.1	1738.0	1788.5	1831.4	1839.0
12.5°	1486.8	1485.3	1499.1	1534.3	1584.8	1666.0	1760.9	1788.5	1852.8	1918.7	1932.4
15°	1523.6	1522.1	1531.3	1560.3	1615.5	1699.7	1816.1	1857.4	1938.6	2018.2	2039.6
17.5°	1633.8	1626.2	1617.0	1620.1	1652.2	1739.5	1886.5	1937.0	2038.1	2133.0	2151.4
20°	1829.8	1809.9	1785.4	1753.3	1738.0	1797.7	1967.7	2025.9	2148.4	2257.1	2260.1
22.5°	2125.4	2117.7	2061.1	1967.7	1901.8	1903.3	2062.6	2130.0	2280.0	2399.5	2382.6
25°	2537.3	2532.7	2445.4	2292.3	2120.8	2062.6	2183.6	2252.5	2436.2	2563.3	2509.7
27.5°	3048.7	3016.6	2914.0	2707.3	2451.5	2269.3	2336.7	2397.9	2601.6	2721.0	2620.0
30°	3494.3	3495.9	3399.4	3183.5	2895.6	2580.2	2523.5	2577.1	2753.2	2878.8	2756.3
32.5°	3923.1	3936.9	3831.2	3636.7	3321.3	2985.9	2791.5	2800.7	2947.7	3083.9	2935.4
35°	4321.2	4331.9	4258.4	4093.0	3799.0	3410.1	3165.1	3160.5	3240.1	3379.5	3185.0
37.5°	4766.8	4777.5	4705.5	4557.0	4281.4	3895.5	3589.3	3583.1	3615.3	3728.6	3506.6
40°	5241.5	5261.4	5181.8	5056.2	4792.8	4466.7	4082.3	4027.2	3995.0	4128.3	3923.1
42.5°	5722.3	5752.9	5725.4	5599.8	5374.7	5105.2	4722.4	4636.6	4567.7	4734.6	4517.2
45°	6319.5	6356.2	6344.0	6247.5	6073.0	5854.0	5492.6	5393.1	5360.9	5515.6	5256.8
47.5°	6893.7	6933.5	6977.9	6956.5	6832.5	6731.4	6330.2	6273.6	6264.4	6429.7	6028.6
50°	7320.9	7357.7	7527.6	7650.1	7734.4	7712.9	7365.3	7281.1	7267.3	7373.0	6843.2
52.5°	7627.2	7662.4	7896.7	8279.5	8588.8	8757.2	8406.6	8388.2	8313.2	8276.4	7605.7
55°	7864.5	7913.5	8160.1	8738.9	9362.1	9735.7	9516.7	9450.9	9258.0	9046.7	8313.2
57.5°	7912.0	7931.9	8279.5	9060.4	9962.3	10567.2	10567.2	10452.3	10080.3	9787.8	9130.9
60°	7486.3	7547.6	8017.7	9034.4	10219.6	11110.8	11438.5	11358.8	10856.6	10496.8	9917.9
62.5°	6541.5	6610.4	7183.1	8411.2	9962.3	11222.6	12098.4	12086.2	11519.6	11083.2	10570.3
65°	5016.4	5066.9	5566.1	7036.1	8875.2	10792.3	12570.1	12603.8	12043.3	11470.6	10795.3
67.5°	2520.4	2555.7	3094.7	4806.6	7034.6	9553.5	12537.9	12688.0	12202.6	11265.4	9936.3
70°	880.5	915.7	1169.9	2062.6	4281.4	7294.9	11453.8	11698.8	11267.0	9616.3	7330.1
72.5°	301.7	318.5	485.4	765.6	1666.0	4324.3	8709.8	9078.8	8305.5	6455.8	4212.5
75°	171.5	182.2	260.3	415.0	698.3	1422.5	4941.4	5168.0	4841.8	3518.8	1733.4
77.5°	116.4	125.6	162.3	235.8	385.9	457.8	2015.1	2537.3	2212.7	1148.4	442.5
80°	68.9	75.0	99.5	139.3	197.5	177.6	431.8	574.2	739.6	343.0	133.2
82.5°	32.2	36.8	64.3	91.9	99.5	75.0	127.1	154.7	208.3	168.4	55.1
85°	0.0	0.0	21.4	38.3	36.8	21.4	35.2	38.3	56.7	84.2	21.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	3.1	4.6	9.2	16.8	9.2
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°	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9
2.5°	1715.0	1704.3	1716.5	1710.4	1716.5	1715.0	1702.8	1695.1	1695.1	1681.3	1676.7
5°	1736.4	1725.7	1728.8	1715.0	1711.9	1704.3	1689.0	1682.8	1682.8	1669.1	1664.5
7.5°	1783.9	1767.1	1764.0	1736.4	1724.2	1702.8	1675.2	1664.5	1662.9	1649.2	1644.6
10°	1858.9	1839.0	1825.3	1790.0	1754.8	1711.9	1653.8	1604.8	1577.2	1540.4	1537.4
12.5°	1950.8	1926.3	1904.9	1851.3	1793.1	1696.6	1525.1	1346.0	1235.7	1148.4	1154.6
15°	2053.4	2030.4	1996.8	1915.6	1796.2	1545.0	1186.7	911.1	776.3	704.4	701.3
17.5°	2165.2	2131.5	2076.4	1966.1	1699.7	1180.6	771.8	545.1	474.7	450.2	444.1
20°	2269.3	2228.0	2159.1	1976.8	1421.0	799.3	482.3	422.6	410.4	402.7	402.7
22.5°	2379.6	2327.5	2224.9	1894.2	1056.6	511.4	410.4	396.6	387.4	376.7	375.2
25°	2491.4	2424.0	2284.6	1678.3	692.1	402.7	384.3	369.0	352.2	335.3	330.8
27.5°	2586.3	2499.0	2330.6	1356.7	444.1	362.9	350.7	324.6	301.7	283.3	280.2
30°	2699.6	2587.8	2350.5	992.3	349.1	320.0	301.7	274.1	246.5	228.2	222.0
32.5°	2851.2	2728.7	2319.9	646.2	309.3	281.8	252.7	220.5	192.9	173.0	170.0
35°	3087.0	2941.5	2179.0	411.9	280.2	243.5	208.3	174.6	151.6	136.3	133.2
37.5°	3374.9	3240.1	1947.8	309.3	251.1	211.3	170.0	137.8	121.0	110.3	107.2
40°	3802.1	3613.8	1661.4	271.0	222.0	179.2	139.3	113.3	101.1	91.9	88.8
42.5°	4356.4	4054.8	1332.2	246.5	194.5	150.1	113.3	93.4	82.7	76.6	75.0
45°	5004.1	4485.0	984.6	222.0	168.4	124.0	93.4	76.6	68.9	64.3	62.8
47.5°	5667.2	4861.7	679.9	196.0	143.9	102.6	78.1	65.8	59.7	53.6	52.1
50°	6374.6	5180.2	464.0	170.0	122.5	84.2	67.4	59.7	52.1	47.5	45.9
52.5°	6893.7	5298.1	323.1	147.0	104.1	72.0	59.7	53.6	47.5	41.3	39.8
55°	7373.0	5295.1	245.0	124.0	88.8	62.8	53.6	47.5	41.3	36.8	35.2
57.5°	7850.7	5253.7	192.9	105.7	76.6	56.7	47.5	41.3	38.3	32.2	30.6
60°	8160.1	5097.5	150.1	88.8	65.8	49.0	41.3	36.8	32.2	27.6	26.0
62.5°	8323.9	4880.1	114.8	70.4	53.6	42.9	36.8	32.2	27.6	23.0	21.4
65°	8101.9	4494.2	90.3	55.1	41.3	36.8	30.6	26.0	21.4	16.8	15.3
67.5°	7117.3	3789.9	70.4	44.4	32.2	27.6	26.0	21.4	15.3	12.3	10.7
70°	5030.2	2595.5	55.1	33.7	24.5	21.4	19.9	16.8	12.3	9.2	7.7
72.5°	2760.9	1309.2	39.8	24.5	18.4	16.8	15.3	13.8	10.7	7.7	7.7
75°	1062.7	359.8	29.1	16.8	12.3	12.3	10.7	10.7	9.2	6.1	6.1
77.5°	277.2	107.2	18.4	10.7	7.7	7.7	7.7	6.1	6.1	4.6	4.6
80°	88.8	35.2	10.7	7.7	6.1	4.6	4.6	3.1	4.6	3.1	3.1
82.5°	29.1	12.3	6.1	6.1	4.6	3.1	3.1	1.5	1.5	0.0	0.0
85°	10.7	6.1	4.6	3.1	3.1	3.1	1.5	0.0	0.0	0.0	0.0
87.5°	6.1	3.1	3.1	3.1	3.1	1.5	0.0	0.0	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)