

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: P641743

Luminaire Tested: GWS-SA6B-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641743
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15543.8 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

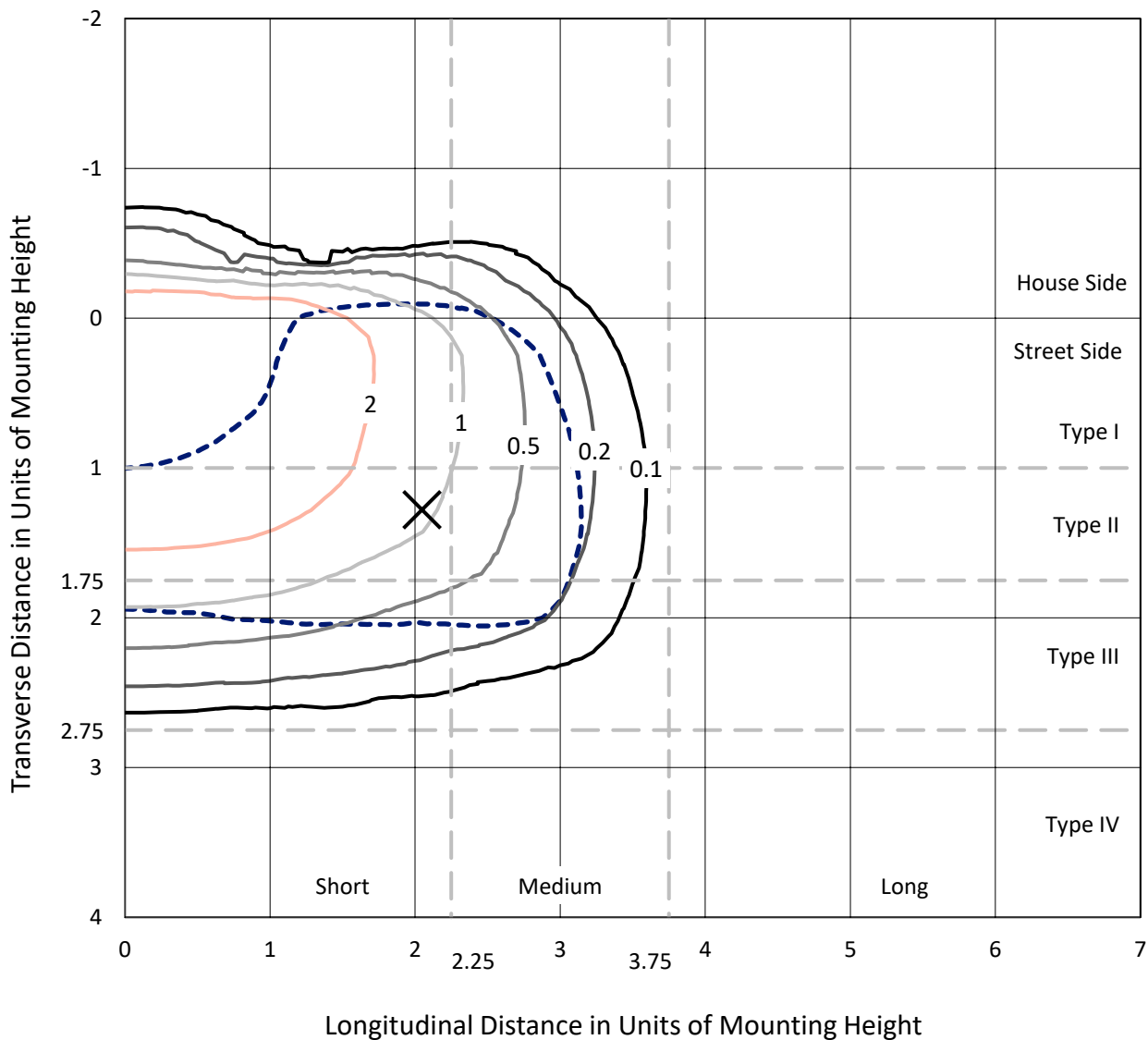
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641743
 CATALOG NUMBER: GWS-SA6B-740-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

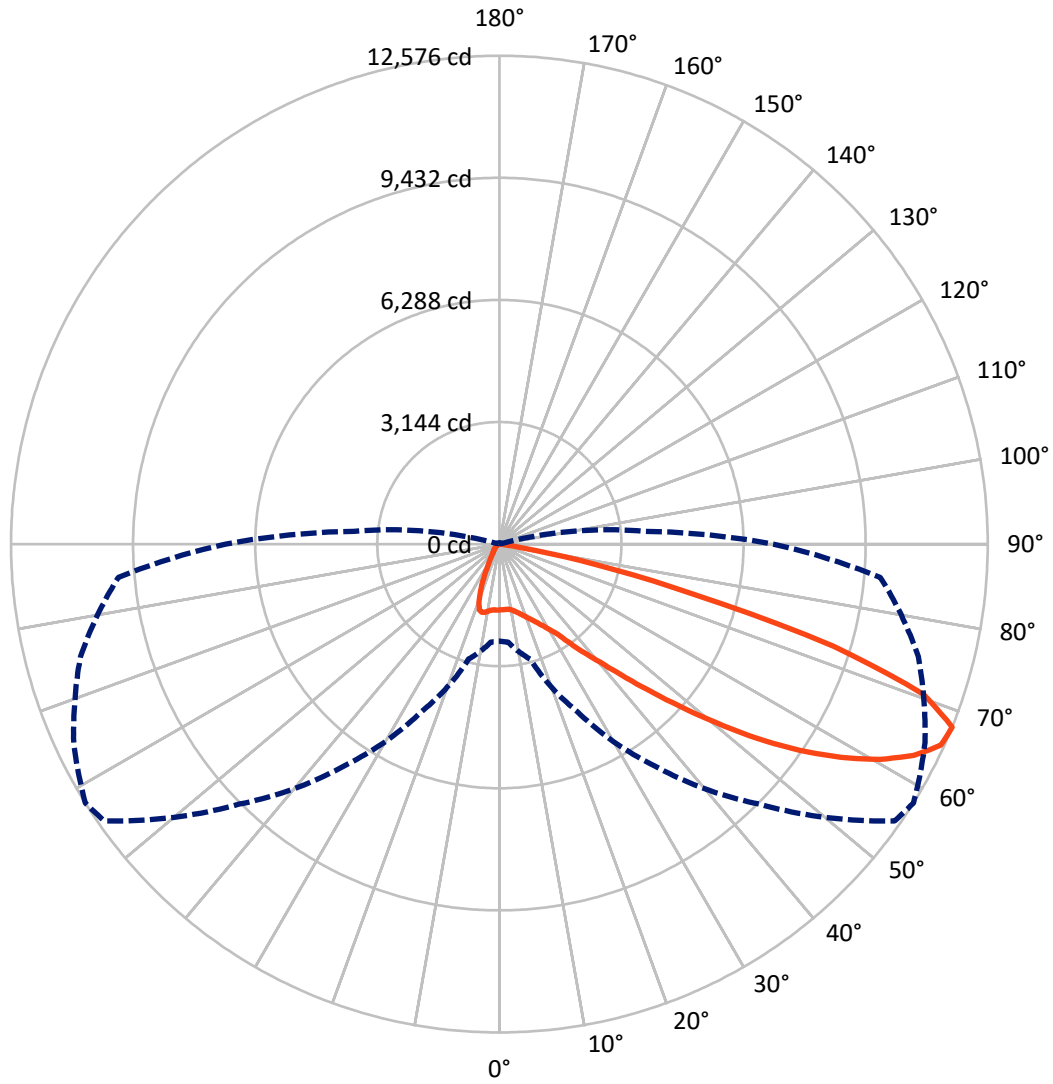
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P641743
CATALOG NUMBER: GWS-SA6B-740-U-T3-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641743

CATALOG NUMBER: GWS-SA6B-740-U-T3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1695.8	0.0	1695.8
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	13848.0	0.0	13848.0
	% Fixture	89.1	0.0	89.1
Total	Lumens	15543.8	0.0	15543.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	1.0
10°-20°	446.7	2.9
20°-30°	779.8	5.0
30°-40°	1392.6	9.0
40°-50°	2545.5	16.4
50°-60°	4233.4	27.2
60°-70°	4598.2	29.6
70°-80°	1350.1	8.7
80°-90°	38.4	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°	15543.8	100.0
0°-180°	15543.8	100.0

Coefficient of Utilization



REPORT NUMBER: P641743

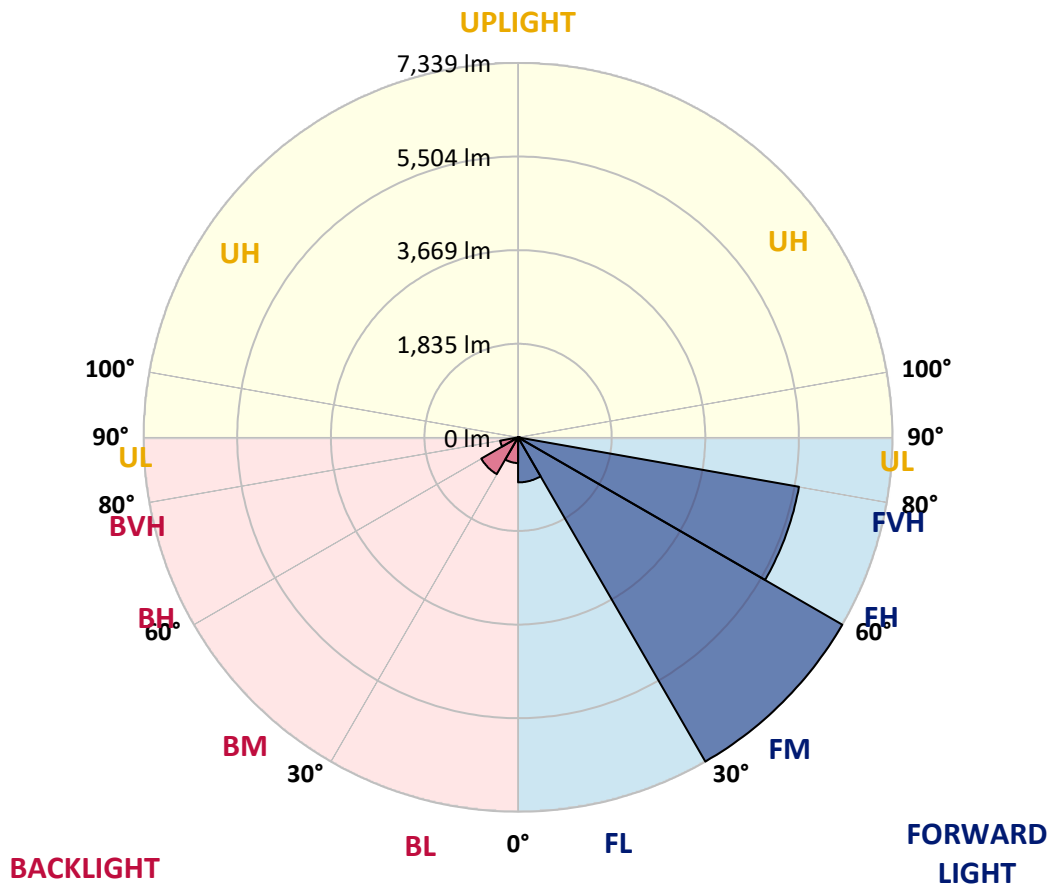
CATALOG NUMBER: GWS-SA6B-740-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	882.6	5.7			
FM (30°-60°)	7338.5	47.2			
FH (60°-80°)	5590.3	36.0			G3/7500
FVH (80°-90°)	36.6	0.2			G1/100
BL (0°-30°)	503.0	3.2	B2/1000		
BM (30°-60°)	832.9	5.4	B1/1000		
BH (60°-80°)	358.0	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





REPORT NUMBER: P641743

CATALOG NUMBER: GWS-SA6B-740-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1693.8	1693.8	1693.8	1693.8	1693.8	1693.8	1693.8	1693.8	1693.8	1693.8	1693.8
2.5°	1661.9	1658.9	1658.9	1671.0	1672.6	1678.6	1692.3	1693.8	1701.4	1698.4	1687.7
5°	1575.4	1576.9	1586.0	1607.3	1625.5	1648.3	1681.7	1689.3	1706.0	1715.1	1709.0
7.5°	1495.0	1496.5	1510.2	1543.6	1578.5	1624.0	1678.6	1693.8	1727.2	1751.5	1753.0
10°	1464.6	1463.1	1476.8	1514.7	1560.2	1624.0	1702.9	1722.6	1772.7	1815.2	1822.8
12.5°	1473.7	1472.2	1485.9	1520.8	1570.9	1651.3	1745.4	1772.7	1836.5	1901.7	1915.4
15°	1510.2	1508.6	1517.8	1546.6	1601.2	1684.7	1800.1	1841.0	1921.5	2000.4	2021.6
17.5°	1619.4	1611.9	1602.7	1605.8	1637.7	1724.2	1869.9	1920.0	2020.1	2114.2	2132.4
20°	1813.7	1794.0	1769.7	1737.8	1722.6	1781.8	1950.3	2008.0	2129.4	2237.2	2240.2
22.5°	2106.6	2099.0	2042.9	1950.3	1885.0	1886.6	2044.4	2111.2	2259.9	2378.3	2361.6
25°	2514.9	2510.4	2423.8	2272.1	2102.1	2044.4	2164.3	2232.6	2414.7	2540.7	2487.6
27.5°	3021.8	2990.0	2888.3	2683.4	2429.9	2249.3	2316.1	2376.8	2578.7	2697.0	2596.9
30°	3463.5	3465.0	3369.4	3155.4	2870.1	2557.4	2501.3	2554.4	2728.9	2853.4	2732.0
32.5°	3888.5	3902.1	3797.4	3604.7	3292.0	2959.6	2766.9	2776.0	2921.7	3056.7	2909.5
35°	4283.1	4293.7	4220.9	4056.9	3765.5	3380.0	3137.2	3132.6	3211.6	3349.7	3156.9
37.5°	4724.8	4735.4	4664.0	4516.8	4243.6	3861.2	3557.6	3551.5	3583.4	3695.7	3475.6
40°	5195.3	5215.0	5136.1	5011.6	4750.6	4427.3	4046.3	3991.7	3959.8	4091.9	3888.5
42.5°	5671.8	5702.2	5674.9	5550.4	5327.3	5060.2	4680.7	4595.7	4527.5	4692.9	4477.4
45°	6263.8	6300.2	6288.0	6192.4	6019.4	5802.4	5444.2	5345.5	5313.6	5466.9	5210.4
47.5°	6832.9	6872.4	6916.4	6895.1	6772.2	6672.0	6274.4	6218.2	6209.1	6373.0	5975.4
50°	7256.4	7292.8	7461.3	7582.7	7666.2	7644.9	7300.4	7216.9	7203.2	7308.0	6782.8
52.5°	7559.9	7594.8	7827.0	8206.5	8513.1	8680.0	8332.5	8314.2	8239.9	8203.4	7538.7
55°	7795.2	7843.7	8088.1	8661.8	9279.5	9649.9	9432.8	9367.6	9176.3	8966.9	8239.9
57.5°	7842.2	7861.9	8206.5	8980.5	9874.5	10474.0	10474.0	10360.2	9991.4	9701.5	9050.3
60°	7420.3	7481.0	7946.9	8954.7	10129.5	11012.8	11337.6	11258.7	10760.9	10404.2	9830.5
62.5°	6483.8	6552.1	7119.8	8337.0	9874.5	11123.6	11991.7	11979.6	11418.0	10985.5	10477.0
65°	4972.2	5022.2	5517.0	6974.1	8796.9	10697.1	12459.2	12492.6	11937.1	11369.5	10700.1
67.5°	2498.2	2533.1	3067.4	4764.2	6972.5	9469.2	12427.3	12576.1	12095.0	11166.1	9848.7
70°	872.7	907.6	1159.6	2044.4	4243.6	7230.6	11352.8	11595.6	11167.6	9531.5	7265.5
72.5°	299.0	315.7	481.1	758.9	1651.3	4286.1	8633.0	8998.7	8232.3	6398.8	4175.3
75°	170.0	180.6	258.0	411.3	692.1	1410.0	4897.8	5122.4	4799.1	3487.8	1718.1
77.5°	115.3	124.5	160.9	233.7	382.5	453.8	1997.4	2514.9	2193.1	1138.3	438.6
80°	68.3	74.4	98.7	138.1	195.8	176.1	428.0	569.2	733.1	340.0	132.0
82.5°	31.9	36.4	63.7	91.1	98.7	74.4	126.0	153.3	206.4	167.0	54.6
85°	0.0	0.0	21.2	37.9	36.4	21.2	34.9	37.9	56.2	83.5	21.2
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.6	9.1	16.7	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P641743
 CATALOG NUMBER: GWS-SA6B-740-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1693.8	1693.8	1693.8	1693.8	1693.8	1693.8	1693.8	1693.8	1693.8	1693.8	1693.8
2.5°	1699.9	1689.3	1701.4	1695.3	1701.4	1699.9	1687.7	1680.2	1680.2	1666.5	1661.9
5°	1721.1	1710.5	1713.5	1699.9	1696.8	1689.3	1674.1	1668.0	1668.0	1654.3	1649.8
7.5°	1768.2	1751.5	1748.4	1721.1	1709.0	1687.7	1660.4	1649.8	1648.3	1634.6	1630.1
10°	1842.5	1822.8	1809.2	1774.3	1739.3	1696.8	1639.2	1590.6	1563.3	1526.9	1523.8
12.5°	1933.6	1909.3	1888.1	1835.0	1777.3	1681.7	1511.7	1334.1	1224.8	1138.3	1144.4
15°	2035.3	2012.5	1979.1	1898.7	1780.3	1531.4	1176.3	903.1	769.5	698.2	695.1
17.5°	2146.1	2112.7	2058.1	1948.8	1684.7	1170.2	764.9	540.3	470.5	446.2	440.1
20°	2249.3	2208.3	2140.0	1959.4	1408.5	792.3	478.1	418.9	406.8	399.2	399.2
22.5°	2358.6	2307.0	2205.3	1877.5	1047.2	506.9	406.8	393.1	384.0	373.4	371.8
25°	2469.4	2402.6	2264.5	1663.5	686.0	399.2	381.0	365.8	349.1	332.4	327.8
27.5°	2563.5	2477.0	2310.0	1344.7	440.1	359.7	347.6	321.8	299.0	280.8	277.7
30°	2675.8	2565.0	2329.7	983.5	346.0	317.2	299.0	271.7	244.4	226.1	220.1
32.5°	2826.1	2704.6	2299.4	640.5	306.6	279.3	250.4	218.6	191.2	171.5	168.5
35°	3059.8	2915.6	2159.8	408.3	277.7	241.3	206.4	173.0	150.3	135.1	132.0
37.5°	3345.1	3211.6	1930.6	306.6	248.9	209.4	168.5	136.6	119.9	109.3	106.2
40°	3768.6	3581.9	1646.8	268.6	220.1	177.6	138.1	112.3	100.2	91.1	88.0
42.5°	4318.0	4019.0	1320.4	244.4	192.8	148.7	112.3	92.6	82.0	75.9	74.4
45°	4960.0	4445.5	975.9	220.1	167.0	122.9	92.6	75.9	68.3	63.7	62.2
47.5°	5617.2	4818.9	673.9	194.3	142.7	101.7	77.4	65.3	59.2	53.1	51.6
50°	6318.4	5134.6	459.9	168.5	121.4	83.5	66.8	59.2	51.6	47.1	45.5
52.5°	6832.9	5251.4	320.2	145.7	103.2	71.3	59.2	53.1	47.1	41.0	39.5
55°	7308.0	5248.4	242.8	122.9	88.0	62.2	53.1	47.1	41.0	36.4	34.9
57.5°	7781.5	5207.4	191.2	104.7	75.9	56.2	47.1	41.0	37.9	31.9	30.4
60°	8088.1	5052.6	148.7	88.0	65.3	48.6	41.0	36.4	31.9	27.3	25.8
62.5°	8250.5	4837.1	113.8	69.8	53.1	42.5	36.4	31.9	27.3	22.8	21.2
65°	8030.4	4454.6	89.5	54.6	41.0	36.4	30.4	25.8	21.2	16.7	15.2
67.5°	7054.5	3756.4	69.8	44.0	31.9	27.3	25.8	21.2	15.2	12.1	10.6
70°	4985.8	2572.6	54.6	33.4	24.3	21.2	19.7	16.7	12.1	9.1	7.6
72.5°	2736.5	1297.7	39.5	24.3	18.2	16.7	15.2	13.7	10.6	7.6	7.6
75°	1053.3	356.7	28.8	16.7	12.1	12.1	10.6	10.6	9.1	6.1	6.1
77.5°	274.7	106.2	18.2	10.6	7.6	7.6	7.6	6.1	6.1	4.6	4.6
80°	88.0	34.9	10.6	7.6	6.1	4.6	4.6	3.0	4.6	3.0	3.0
82.5°	28.8	12.1	6.1	6.1	4.6	3.0	3.0	1.5	1.5	0.0	0.0
85°	10.6	6.1	4.6	3.0	3.0	3.0	1.5	0.0	0.0	0.0	0.0
87.5°	6.1	3.0	3.0	3.0	3.0	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)