

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: P632437

Luminaire Tested: GWS-SA2C-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9320.5 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

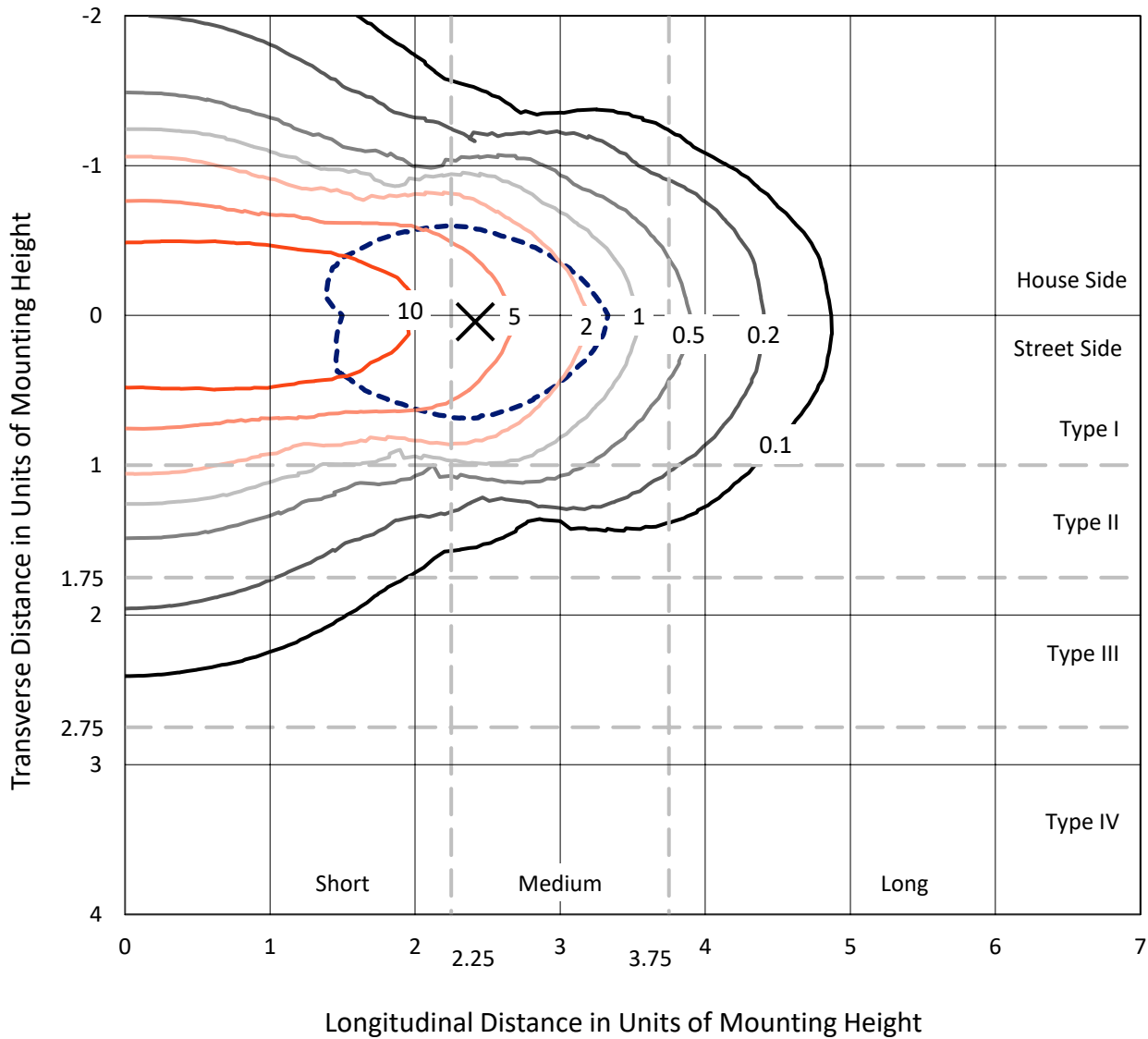
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

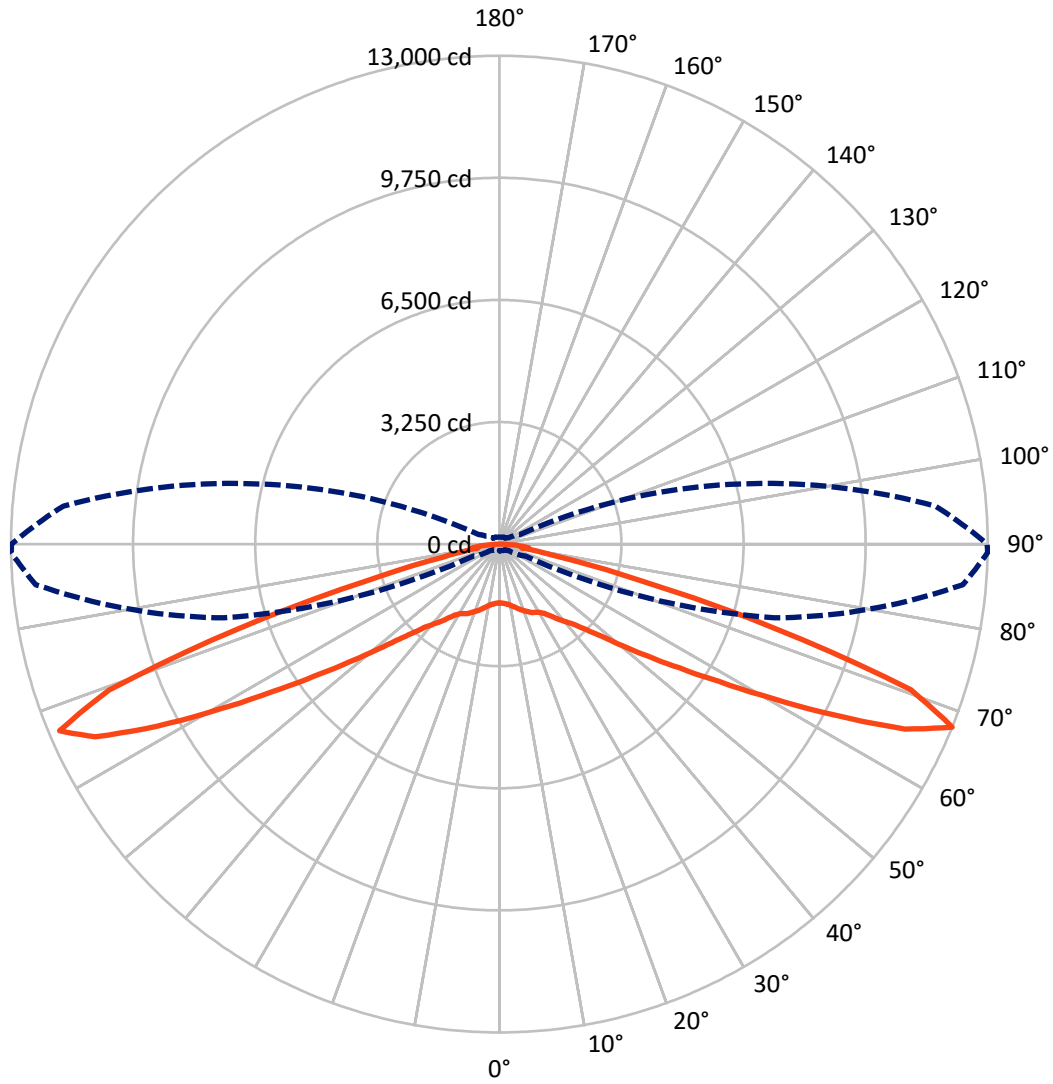
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.1 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4619.4	0.0	4619.4
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	4701.1	0.0	4701.1
	% Fixture	50.4	0.0	50.4
Total	Lumens	9320.5	0.0	9320.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.9	1.7
10°-20°	511.0	5.5
20°-30°	863.7	9.3
30°-40°	1185.4	12.7
40°-50°	1511.6	16.2
50°-60°	1896.5	20.3
60°-70°	2287.4	24.5
70°-80°	827.5	8.9
80°-90°	80.5	0.9
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°	9320.5	100.0
0°-180°	9320.5	100.0

Coefficient of Utilization



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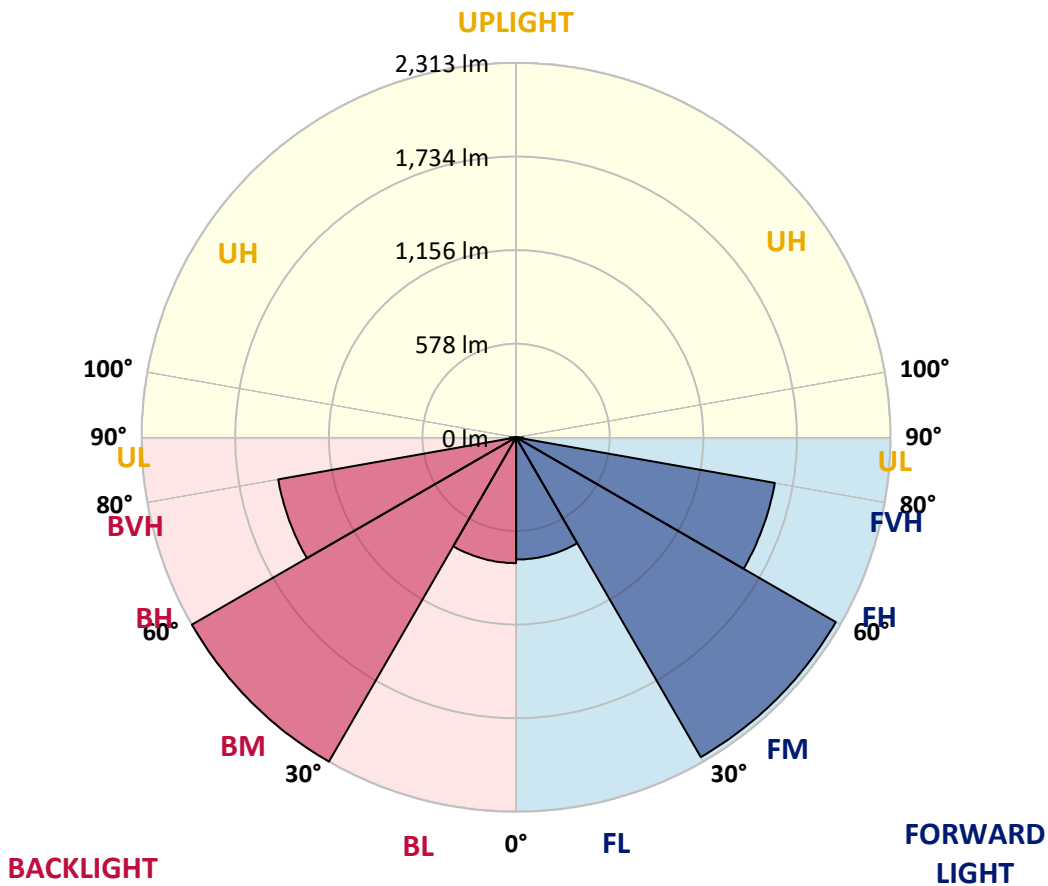
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	754.9	8.1			
FM (30°-60°)	2280.9	24.5			
FH (60°-80°)	1622.8	17.4			G1/1800
FVH (80°-90°)	42.5	0.5			G1/100
BL (0°-30°)	776.7	8.3	B2/1000		
BM (30°-60°)	2312.6	24.8	B2/2500		
BH (60°-80°)	1492.1	16.0	B3/2500		G3/2500
BVH (80°-90°)	38.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4
2.5°	1569.1	1567.7	1564.4	1574.4	1572.4	1573.1	1577.1	1574.4	1569.7	1561.7	1573.1
5°	1613.2	1612.6	1605.2	1611.2	1604.5	1599.8	1599.2	1592.5	1587.1	1578.4	1590.5
7.5°	1656.1	1655.4	1649.4	1660.1	1654.7	1649.4	1643.4	1630.0	1617.3	1604.5	1617.9
10°	1688.9	1688.2	1686.9	1702.3	1703.6	1705.6	1702.9	1680.2	1658.1	1642.7	1656.1
12.5°	1707.6	1709.6	1713.0	1741.1	1755.1	1768.5	1771.9	1753.1	1716.3	1694.2	1710.3
15°	1694.9	1698.9	1715.7	1766.5	1805.4	1835.5	1848.2	1832.8	1785.3	1748.5	1766.5
17.5°	1634.0	1637.3	1670.1	1747.8	1833.5	1903.1	1923.8	1914.5	1861.6	1816.7	1834.1
20°	1549.6	1557.0	1592.5	1700.9	1828.8	1949.9	2005.5	2002.2	1944.6	1875.6	1896.4
22.5°	1473.3	1482.0	1519.5	1639.3	1797.3	1962.0	2087.8	2096.5	2020.2	1934.5	1951.3
25°	1387.7	1395.7	1443.9	1566.4	1743.1	1952.6	2158.1	2197.6	2105.9	2002.2	2017.5
27.5°	1300.0	1306.0	1353.5	1484.0	1672.1	1935.2	2213.7	2308.7	2190.3	2049.0	2059.7
30°	1223.0	1231.0	1274.5	1401.7	1594.5	1900.4	2259.2	2427.2	2287.3	2101.9	2110.6
32.5°	1148.7	1155.4	1202.9	1320.7	1512.2	1846.9	2300.0	2566.5	2431.2	2200.3	2200.3
35°	1055.0	1067.0	1120.6	1243.1	1434.5	1775.9	2329.5	2728.4	2628.0	2345.6	2346.2
37.5°	968.6	975.3	1031.5	1155.4	1352.8	1695.6	2332.2	2896.5	2877.1	2530.3	2531.6
40°	870.2	878.9	939.2	1061.7	1259.1	1611.2	2306.7	3053.1	3138.1	2720.4	2713.0
42.5°	770.5	783.2	840.8	960.6	1158.0	1508.1	2239.1	3202.4	3469.5	2940.6	2922.6
45°	674.1	682.1	739.7	852.8	1042.2	1385.0	2130.7	3345.6	3863.1	3275.3	3249.2
47.5°	565.6	569.0	628.6	737.0	922.4	1247.7	1975.4	3473.5	4295.5	3718.5	3673.6
50°	469.2	473.9	520.8	613.8	775.8	1085.1	1781.9	3548.5	4846.4	4322.9	4245.3
52.5°	379.5	384.2	421.7	496.0	641.3	899.7	1542.3	3531.0	5405.3	5073.3	4960.2
55°	306.6	309.9	335.4	393.6	504.7	715.6	1259.1	3375.1	6025.9	6053.3	5809.7
57.5°	259.1	260.4	277.8	313.3	394.3	551.6	972.0	3006.9	6676.5	7303.7	6903.4
60°	231.6	232.3	240.3	262.4	311.3	421.0	712.2	2420.5	7350.6	8868.1	8319.2
62.5°	214.2	214.2	220.9	233.6	258.4	324.0	523.5	1738.4	7834.6	10570.4	10024.8
65°	197.5	197.5	202.2	212.9	226.3	264.4	392.9	1121.2	8072.2	11993.5	11872.3
67.5°	176.1	176.7	180.1	191.4	203.5	220.9	297.9	758.4	7578.9	12387.1	13000.3
70°	156.0	156.6	161.3	168.7	178.7	190.8	232.9	522.8	5516.5	10316.7	11624.0
72.5°	133.9	136.6	139.9	147.9	154.0	162.7	190.1	338.7	3209.7	6636.4	7684.0
75°	109.8	113.1	117.1	125.2	129.2	132.5	156.6	241.7	1544.3	3363.0	3829.6
77.5°	85.0	88.4	93.0	100.4	103.1	107.1	119.8	174.7	739.7	1490.7	1607.2
80°	56.9	58.2	62.3	71.0	75.6	78.3	88.4	119.2	321.3	598.4	593.1
82.5°	34.8	35.5	36.8	42.2	44.2	46.9	57.6	73.0	153.3	680.1	779.8
85°	12.7	12.0	11.4	14.7	17.4	20.1	26.8	36.8	66.9	467.2	522.8
87.5°	0.0	0.0	0.0	0.7	1.3	1.3	2.7	5.4	16.1	174.7	119.8
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°	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4
2.5°	1569.7	1562.4	1571.7	1578.4	1593.2	1598.5	1599.8	1595.2	1595.2	1587.1	1588.5
5°	1587.8	1583.1	1598.5	1609.9	1631.3	1639.3	1644.7	1641.4	1643.4	1638.0	1639.3
7.5°	1615.2	1611.2	1638.0	1660.1	1682.2	1691.6	1696.2	1693.6	1694.2	1687.5	1689.5
10°	1653.4	1654.7	1686.9	1715.7	1745.1	1754.5	1756.5	1748.5	1741.8	1729.7	1730.4
12.5°	1705.6	1712.3	1757.8	1790.0	1820.1	1833.5	1818.7	1789.3	1761.8	1741.1	1738.4
15°	1762.5	1774.6	1840.2	1881.0	1913.8	1907.1	1863.6	1797.3	1743.1	1712.3	1706.3
17.5°	1830.8	1848.9	1931.2	1980.1	2008.2	1965.3	1874.3	1775.2	1699.6	1658.1	1650.1
20°	1895.1	1923.8	2027.6	2091.2	2094.5	1998.1	1869.6	1730.4	1635.3	1584.5	1573.7
22.5°	1954.0	1990.8	2128.7	2209.7	2166.2	2012.9	1840.8	1666.8	1557.7	1498.1	1488.7
25°	2018.2	2070.4	2246.5	2322.1	2237.8	2006.8	1780.6	1587.8	1464.0	1403.0	1396.4
27.5°	2062.4	2128.0	2365.0	2437.3	2296.7	1972.7	1702.9	1501.4	1378.3	1320.7	1311.3
30°	2113.3	2196.9	2495.5	2562.4	2332.8	1922.5	1619.9	1421.1	1298.6	1236.4	1229.7
32.5°	2205.6	2310.7	2657.5	2695.0	2344.2	1860.2	1540.3	1343.5	1215.6	1153.4	1144.0
35°	2354.3	2477.4	2885.1	2842.9	2335.5	1792.0	1464.6	1252.4	1130.6	1072.4	1063.0
37.5°	2541.7	2695.0	3138.8	2976.1	2311.4	1717.0	1374.9	1176.1	1054.3	995.4	990.0
40°	2716.4	2905.2	3423.3	3091.3	2262.5	1624.6	1288.6	1096.5	972.0	909.7	897.7
42.5°	2935.3	3186.3	3752.6	3191.0	2182.2	1514.2	1191.5	998.1	868.9	812.6	797.9
45°	3268.0	3579.9	4135.5	3286.7	2062.4	1378.3	1069.7	878.2	755.7	698.2	686.8
47.5°	3683.0	4071.9	4550.5	3343.6	1880.3	1235.0	931.8	751.7	629.2	564.3	558.9
50°	4266.0	4787.5	4995.7	3333.6	1676.8	1065.0	776.5	601.1	498.7	451.8	444.5
52.5°	4976.3	5685.8	5477.0	3213.1	1460.6	871.5	605.1	471.9	395.6	362.1	356.1
55°	5867.2	6761.5	5983.7	2954.7	1187.5	667.4	475.3	372.2	320.0	299.9	297.2
57.5°	6970.4	8154.5	6471.7	2519.6	893.0	509.4	366.2	307.3	282.5	270.4	269.8
60°	8426.3	9633.2	6895.4	1958.0	639.3	389.6	302.6	274.5	255.0	247.0	246.3
62.5°	10157.4	10976.0	7159.2	1333.4	480.6	310.6	266.4	249.0	237.6	232.9	232.3
65°	11936.6	11824.8	7033.3	873.6	364.8	263.7	239.0	229.6	219.6	214.9	214.9
67.5°	12987.6	11645.4	6067.4	606.5	289.2	231.6	215.5	206.8	190.1	186.1	186.1
70°	11503.5	9436.4	3976.9	443.8	234.3	202.8	187.4	175.4	168.7	164.7	164.0
72.5°	7608.3	6140.3	2114.6	307.9	195.5	172.7	158.6	154.0	145.9	141.9	141.2
75°	3786.8	3225.1	1083.7	222.2	162.7	138.6	132.5	130.5	123.8	118.5	117.1
77.5°	1578.4	1435.8	505.4	161.3	123.8	111.8	106.4	106.4	99.1	93.0	90.4
80°	595.1	530.2	239.0	110.4	91.7	83.0	79.7	77.0	71.0	63.6	59.6
82.5°	795.9	520.1	117.1	68.9	60.2	53.6	48.9	46.9	43.5	40.2	37.5
85°	515.4	369.5	52.9	35.5	30.1	22.8	20.1	18.7	16.7	14.7	13.4
87.5°	105.1	123.8	16.1	6.7	4.0	2.0	2.0	0.7	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)