

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: P632272

Luminaire Tested: GWS-SA2C-735-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632272
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-735-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9111.7 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

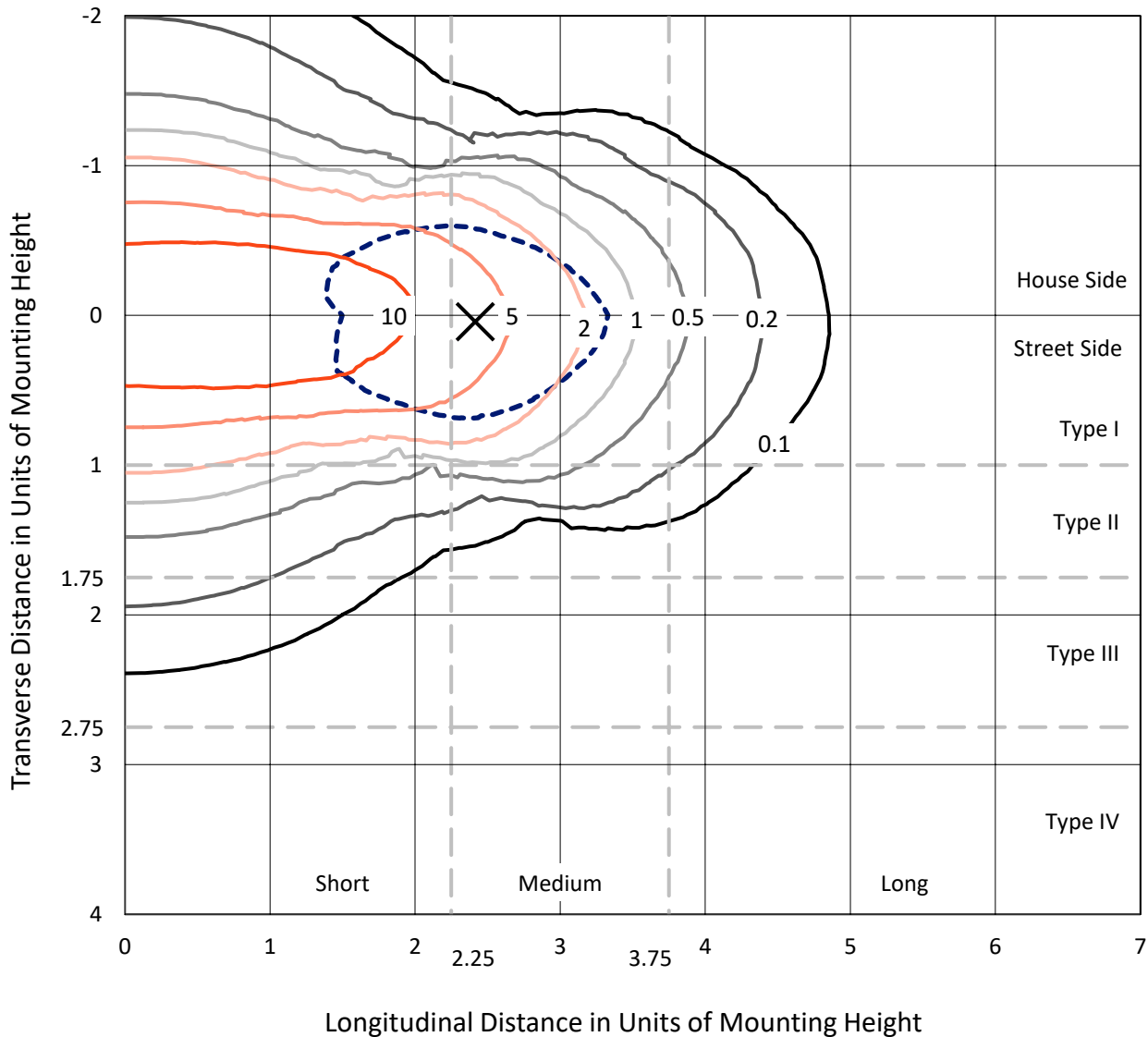
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

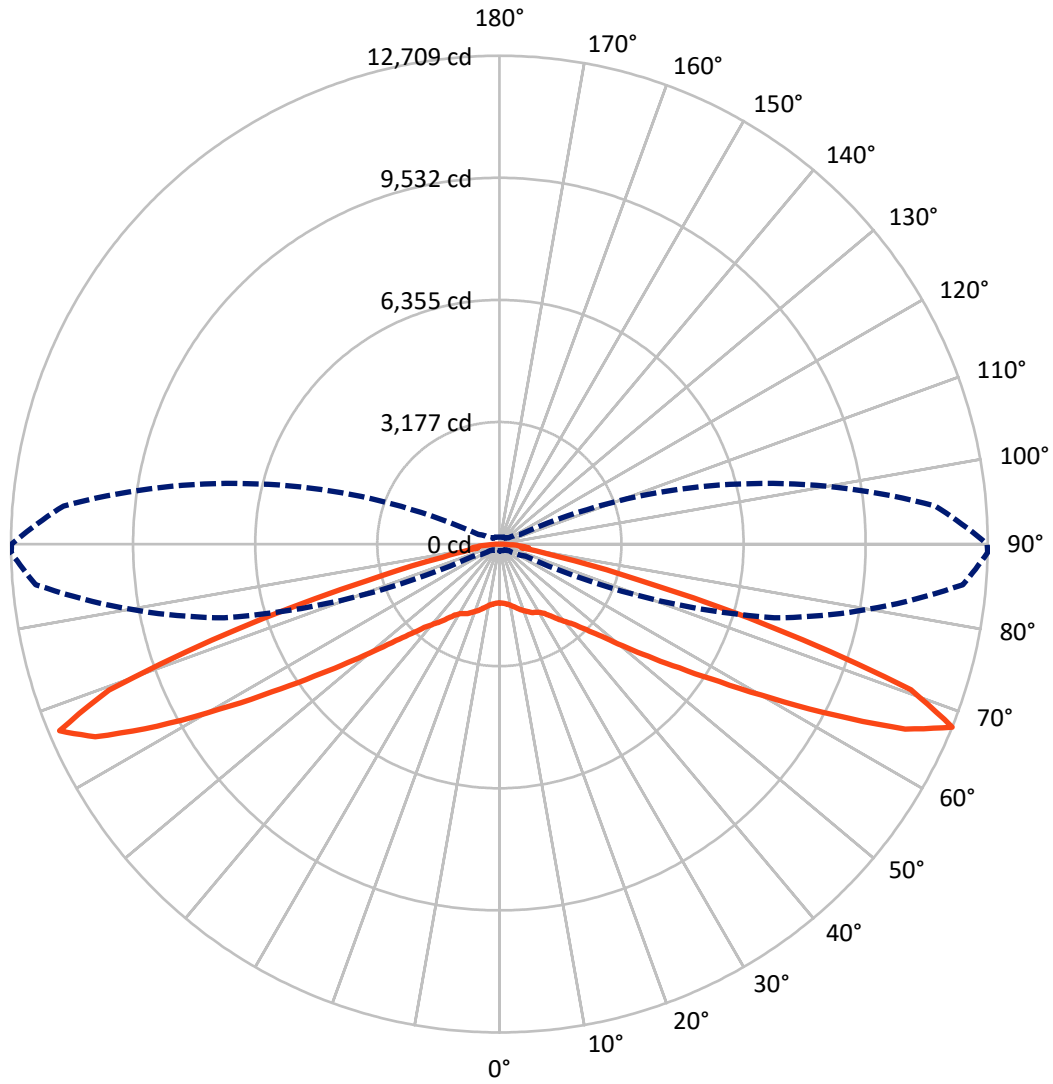
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.7 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	4515.9	0.0	4515.9
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	4595.8	0.0	4595.8
	% Fixture	50.4	0.0	50.4
Total	Lumens	9111.7	0.0	9111.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.4	1.7
10°-20°	499.5	5.5
20°-30°	844.4	9.3
30°-40°	1158.8	12.7
40°-50°	1477.7	16.2
50°-60°	1854.1	20.3
60°-70°	2236.1	24.5
70°-80°	809.0	8.9
80°-90°	78.7	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°	9111.7	100.0
0°-180°	9111.7	100.0

Coefficient of Utilization



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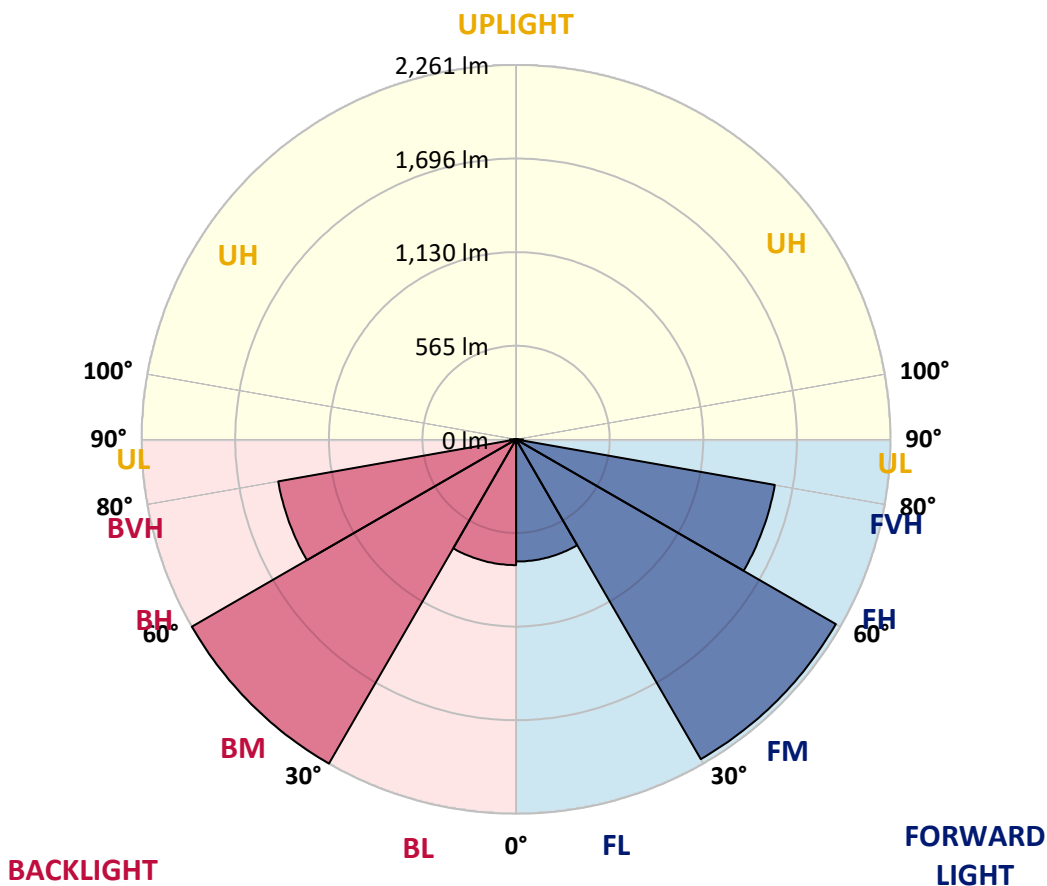
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	738.0	8.1			
FM (30°-60°)	2229.8	24.5			
FH (60°-80°)	1586.5	17.4			G1/1800
FVH (80°-90°)	41.5	0.5			G1/100
BL (0°-30°)	759.3	8.3	B2/1000		
BM (30°-60°)	2260.8	24.8	B2/2500		
BH (60°-80°)	1458.6	16.0	B3/2500		G3/2500
BVH (80°-90°)	37.2	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°	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3
2.5°	1533.9	1532.6	1529.3	1539.1	1537.2	1537.8	1541.8	1539.1	1534.6	1526.7	1537.8
5°	1577.1	1576.4	1569.2	1575.1	1568.6	1564.0	1563.4	1556.8	1551.6	1543.1	1554.8
7.5°	1619.0	1618.3	1612.4	1622.9	1617.7	1612.4	1606.5	1593.5	1581.0	1568.6	1581.7
10°	1651.0	1650.4	1649.1	1664.1	1665.4	1667.4	1664.8	1642.5	1620.9	1605.9	1619.0
12.5°	1669.4	1671.3	1674.6	1702.1	1715.8	1728.9	1732.2	1713.9	1677.9	1656.3	1672.0
15°	1656.9	1660.9	1677.2	1727.0	1764.9	1794.4	1806.8	1791.7	1745.3	1709.3	1727.0
17.5°	1597.4	1600.7	1632.7	1708.6	1792.4	1860.5	1880.7	1871.6	1819.9	1776.0	1793.0
20°	1514.9	1522.1	1556.8	1662.8	1787.8	1906.3	1960.6	1957.3	1901.0	1833.6	1853.9
22.5°	1440.3	1448.8	1485.5	1602.6	1757.1	1918.0	2041.1	2049.6	1975.0	1891.2	1907.6
25°	1356.6	1364.4	1411.5	1531.3	1704.0	1908.9	2109.8	2148.4	2058.7	1957.3	1972.4
27.5°	1270.8	1276.7	1323.2	1450.8	1634.7	1891.9	2164.1	2257.0	2141.2	2003.1	2013.6
30°	1195.6	1203.4	1246.0	1370.3	1558.8	1857.8	2208.6	2372.8	2236.1	2054.8	2063.3
32.5°	1122.9	1129.5	1176.0	1291.1	1478.3	1805.5	2248.5	2509.0	2376.8	2151.0	2151.0
35°	1031.3	1043.1	1095.5	1215.2	1402.4	1736.1	2277.3	2667.3	2569.2	2293.0	2293.7
37.5°	946.9	953.5	1008.4	1129.5	1322.5	1657.6	2279.9	2831.6	2812.6	2473.6	2474.9
40°	850.7	859.2	918.1	1037.9	1230.9	1575.1	2255.1	2984.7	3067.8	2659.5	2652.3
42.5°	753.2	765.6	821.9	939.1	1132.1	1474.4	2189.0	3130.6	3391.7	2874.8	2857.1
45°	659.0	666.8	723.1	833.7	1018.9	1353.9	2082.9	3270.7	3776.5	3202.0	3176.4
47.5°	553.0	556.2	614.5	720.5	901.8	1219.8	1931.1	3395.7	4199.3	3635.2	3591.3
50°	458.7	463.3	509.1	600.1	758.4	1060.8	1742.0	3469.0	4737.8	4226.1	4150.2
52.5°	371.0	375.6	412.3	484.9	626.9	879.5	1507.7	3451.9	5284.3	4959.7	4849.1
55°	299.7	303.0	327.9	384.8	493.4	699.6	1230.9	3299.5	5890.9	5917.7	5679.5
57.5°	253.3	254.6	271.6	306.3	385.4	539.2	950.2	2939.6	6527.0	7140.1	6748.8
60°	226.4	227.1	234.9	256.5	304.3	411.6	696.3	2366.3	7185.9	8669.4	8132.8
62.5°	209.4	209.4	216.0	228.4	252.6	316.7	511.7	1699.5	7659.1	10333.6	9800.2
65°	193.0	193.0	197.6	208.1	221.2	258.5	384.1	1096.1	7891.4	11724.8	11606.4
67.5°	172.1	172.8	176.0	187.2	198.9	216.0	291.2	741.4	7409.1	12109.6	12709.0
70°	152.5	153.1	157.7	164.9	174.7	186.5	227.7	511.1	5392.9	10085.6	11363.6
72.5°	130.9	133.5	136.8	144.6	150.5	159.0	185.8	331.1	3137.8	6487.7	7511.8
75°	107.3	110.6	114.5	122.4	126.3	129.6	153.1	236.2	1509.7	3287.7	3743.8
77.5°	83.1	86.4	91.0	98.2	100.8	104.7	117.1	170.8	723.1	1457.3	1571.2
80°	55.6	56.9	60.9	69.4	73.9	76.6	86.4	116.5	314.1	585.0	579.8
82.5°	34.0	34.7	36.0	41.2	43.2	45.8	56.3	71.3	149.9	664.9	762.4
85°	12.4	11.8	11.1	14.4	17.0	19.6	26.2	36.0	65.4	456.8	511.1
87.5°	0.0	0.0	0.0	0.7	1.3	1.3	2.6	5.2	15.7	170.8	117.1
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°	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3
2.5°	1534.6	1527.4	1536.5	1543.1	1557.5	1562.7	1564.0	1559.4	1559.4	1551.6	1552.9
5°	1552.2	1547.6	1562.7	1573.8	1594.8	1602.6	1607.9	1604.6	1606.5	1601.3	1602.6
7.5°	1579.1	1575.1	1601.3	1622.9	1644.5	1653.7	1658.2	1655.6	1656.3	1649.7	1651.7
10°	1616.4	1617.7	1649.1	1677.2	1706.0	1715.2	1717.1	1709.3	1702.7	1691.0	1691.6
12.5°	1667.4	1673.9	1718.4	1749.9	1779.3	1792.4	1778.0	1749.2	1722.4	1702.1	1699.5
15°	1723.0	1734.8	1798.9	1838.9	1870.9	1864.4	1821.8	1757.1	1704.0	1673.9	1668.1
17.5°	1789.8	1807.4	1887.9	1935.7	1963.2	1921.3	1832.3	1735.5	1661.5	1620.9	1613.1
20°	1852.6	1880.7	1982.2	2044.3	2047.6	1953.4	1827.7	1691.6	1598.7	1549.0	1538.5
22.5°	1910.2	1946.2	2081.0	2160.2	2117.6	1967.8	1799.6	1629.4	1522.8	1464.5	1455.4
25°	1973.0	2024.0	2196.2	2270.1	2187.6	1961.9	1740.7	1552.2	1431.2	1371.6	1365.1
27.5°	2016.2	2080.3	2312.0	2382.7	2245.2	1928.5	1664.8	1467.8	1347.4	1291.1	1282.0
30°	2065.9	2147.7	2439.6	2505.0	2280.6	1879.4	1583.6	1389.3	1269.5	1208.7	1202.1
32.5°	2156.2	2259.0	2598.0	2634.6	2291.7	1818.6	1505.8	1313.4	1188.4	1127.5	1118.4
35°	2301.5	2421.9	2820.5	2779.2	2283.2	1751.8	1431.8	1224.4	1105.3	1048.3	1039.2
37.5°	2484.7	2634.6	3068.5	2909.4	2259.6	1678.5	1344.1	1149.8	1030.7	973.1	967.9
40°	2655.5	2840.1	3346.6	3022.0	2211.9	1588.2	1259.7	1071.9	950.2	889.3	877.5
42.5°	2869.5	3114.9	3668.5	3119.5	2133.3	1480.2	1164.8	975.7	849.4	794.4	780.0
45°	3194.8	3499.7	4042.9	3213.1	2016.2	1347.4	1045.7	858.6	738.8	682.5	671.4
47.5°	3600.5	3980.7	4448.6	3268.7	1838.2	1207.4	910.9	734.9	615.1	551.7	546.4
50°	4170.5	4680.2	4883.8	3258.9	1639.3	1041.1	759.1	587.6	487.5	441.7	434.5
52.5°	4864.8	5558.4	5354.3	3141.1	1427.9	852.0	591.6	461.3	386.7	354.0	348.1
55°	5735.8	6610.1	5849.7	2888.5	1160.9	652.4	464.6	363.8	312.8	293.2	290.6
57.5°	6814.2	7971.9	6326.7	2463.1	873.0	498.0	358.0	300.4	276.2	264.4	263.7
60°	8237.5	9417.4	6740.9	1914.1	624.9	380.9	295.8	268.3	249.3	241.5	240.8
62.5°	9929.8	10730.1	6998.8	1303.6	469.9	303.6	260.4	243.4	232.3	227.7	227.1
65°	11669.2	11559.9	6875.7	854.0	356.6	257.8	233.6	224.5	214.6	210.1	210.1
67.5°	12696.6	11384.5	5931.5	592.9	282.7	226.4	210.7	202.2	185.8	181.9	181.9
70°	11245.8	9225.0	3887.8	433.9	229.0	198.3	183.2	171.5	164.9	161.0	160.3
72.5°	7437.9	6002.8	2067.2	301.0	191.1	168.8	155.1	150.5	142.7	138.7	138.1
75°	3701.9	3152.9	1059.5	217.3	159.0	135.5	129.6	127.6	121.1	115.8	114.5
77.5°	1543.1	1403.7	494.1	157.7	121.1	109.3	104.0	104.0	96.9	91.0	88.3
80°	581.8	518.3	233.6	108.0	89.7	81.1	77.9	75.3	69.4	62.2	58.2
82.5°	778.1	508.5	114.5	67.4	58.9	52.4	47.8	45.8	42.5	39.3	36.6
85°	503.9	361.2	51.7	34.7	29.4	22.2	19.6	18.3	16.4	14.4	13.1
87.5°	102.7	121.1	15.7	6.5	3.9	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)