

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: P633392

Luminaire Tested: GWS-SA2E-750-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-750-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14797.5 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

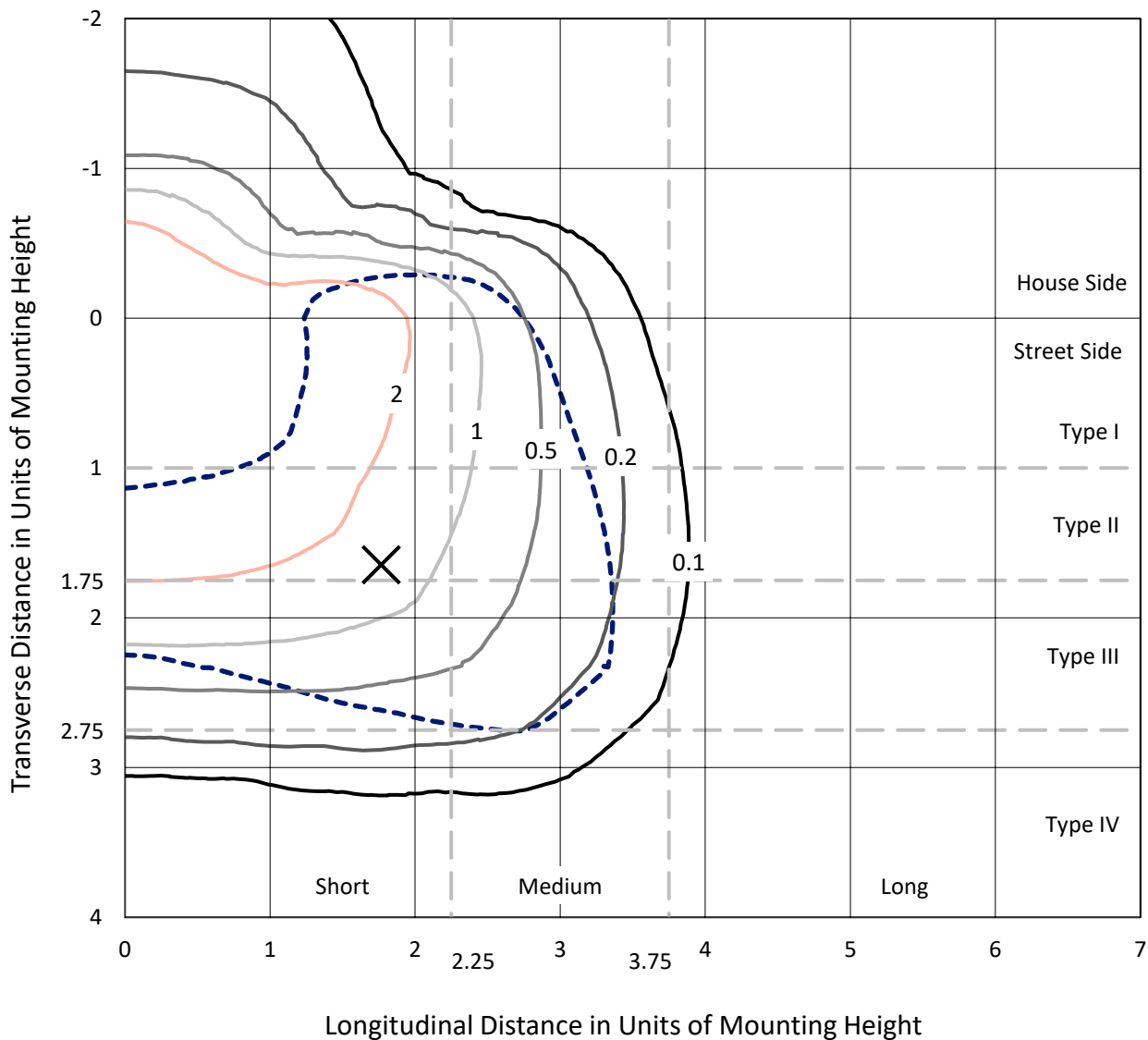
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

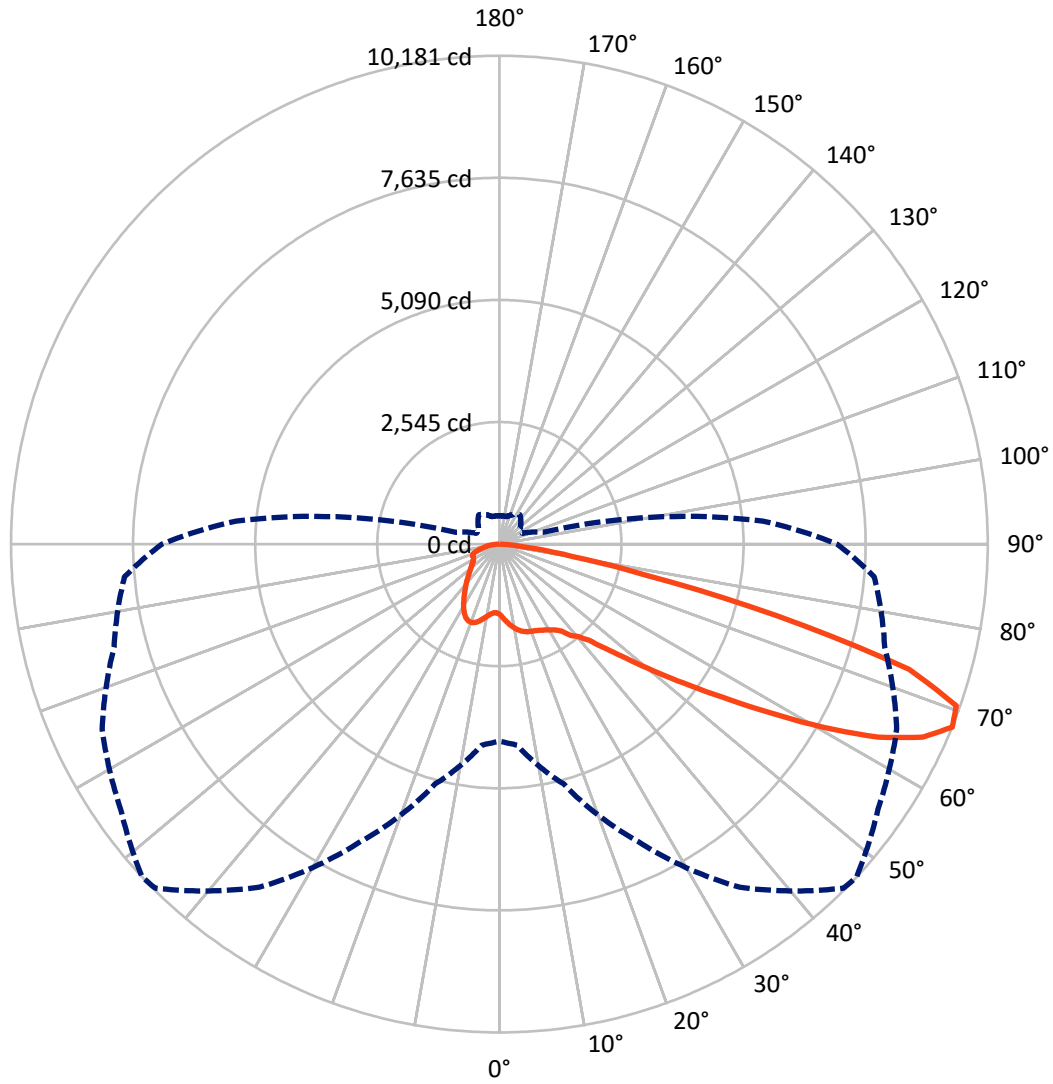
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3372.5	0.0	3372.5
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	11425.0	0.0	11425.0
	% Fixture	77.2	0.0	77.2
Total	Lumens	14797.5	0.0	14797.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.9	1.0
10°-20°	499.5	3.4
20°-30°	849.0	5.7
30°-40°	1243.7	8.4
40°-50°	1894.9	12.8
50°-60°	3390.3	22.9
60°-70°	4524.0	30.6
70°-80°	2045.9	13.8
80°-90°	200.4	1.4
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°	14797.5	100.0
0°-180°	14797.5	100.0

Coefficient of Utilization



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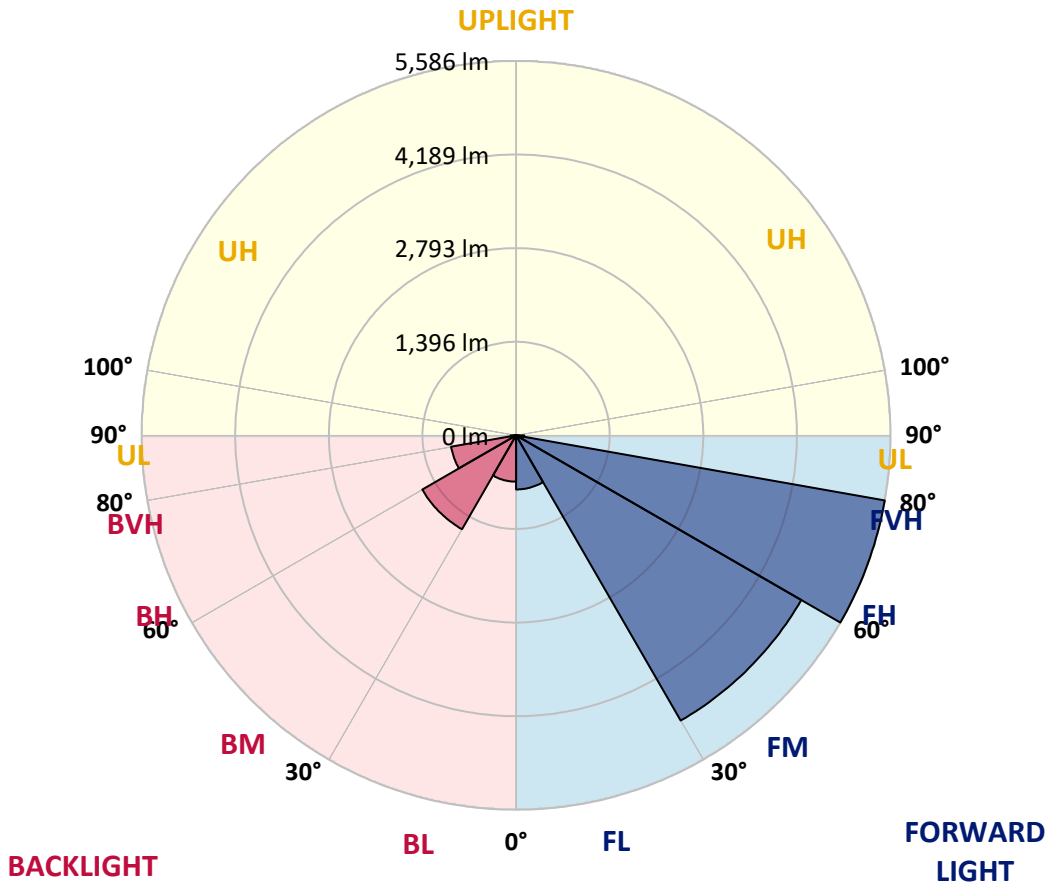
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	807.0	5.5			
FM (30°-60°)	4912.9	33.2			
FH (60°-80°)	5585.9	37.7			G3/7500
FVH (80°-90°)	119.2	0.8			G2/225
BL (0°-30°)	691.4	4.7	B2/1000		
BM (30°-60°)	1615.9	10.9	B2/2500		
BH (60°-80°)	984.0	6.6	B2/1000		G2/1000
BVH (80°-90°)	81.2	0.5			G1/100
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°	47°	55°	65°	75°	85°
0°	1466.9	1466.9	1466.9	1466.9	1466.9	1466.9	1466.9	1466.9	1466.9	1466.9	1466.9
2.5°	1564.3	1569.6	1568.5	1560.0	1554.6	1545.0	1546.1	1531.1	1508.6	1493.6	1476.5
5°	1702.3	1710.8	1700.1	1686.2	1664.8	1633.8	1630.6	1596.4	1553.6	1523.6	1492.6
7.5°	1822.1	1827.5	1814.6	1791.1	1760.1	1718.3	1710.8	1670.2	1616.7	1569.6	1524.7
10°	1915.2	1921.6	1904.5	1873.5	1832.8	1791.1	1785.7	1744.0	1687.3	1631.7	1575.0
12.5°	1994.4	1996.5	1978.3	1936.6	1892.7	1849.9	1844.6	1806.1	1753.6	1696.9	1634.9
15°	2040.4	2041.5	2019.0	1973.0	1931.3	1893.8	1890.6	1857.4	1809.3	1755.8	1689.5
17.5°	2037.2	2039.3	2023.3	1982.6	1946.2	1923.8	1920.6	1899.2	1861.7	1813.6	1747.2
20°	1997.6	1999.7	1989.0	1962.3	1943.0	1936.6	1937.7	1931.3	1908.8	1869.2	1801.8
22.5°	1966.6	1969.8	1960.1	1940.9	1938.7	1953.7	1956.9	1960.1	1949.4	1914.1	1848.9
25°	1981.5	1986.9	1971.9	1945.2	1949.4	1982.6	1989.0	1999.7	1991.2	1961.2	1904.5
27.5°	2085.3	2088.5	2050.0	1995.5	1982.6	2017.9	2027.6	2044.7	2038.3	2010.4	1966.6
30°	2326.1	2323.9	2241.5	2107.8	2054.3	2068.2	2075.7	2100.3	2102.5	2084.3	2042.5
32.5°	2665.2	2654.5	2527.2	2314.3	2159.2	2124.9	2133.5	2166.6	2191.3	2172.0	2115.3
35°	3023.7	3014.0	2873.9	2624.6	2352.8	2234.1	2224.4	2250.1	2287.6	2234.1	2152.7
37.5°	3365.0	3350.0	3206.6	2898.5	2591.4	2425.6	2411.7	2386.0	2363.5	2260.8	2198.7
40°	3743.8	3726.6	3601.4	3252.6	2854.6	2572.2	2536.8	2435.2	2414.9	2349.6	2318.6
42.5°	4148.2	4148.2	4044.4	3701.0	3172.4	2781.9	2735.9	2582.9	2604.3	2561.5	2525.1
45°	4552.6	4564.4	4482.0	4152.5	3597.2	3177.7	3103.9	2886.7	2938.1	2918.8	2900.6
47.5°	4897.2	4919.6	4903.6	4613.6	4117.2	3659.2	3546.9	3321.1	3431.3	3477.3	3528.7
50°	5268.4	5293.0	5277.0	5162.5	4726.0	4242.3	4141.8	3908.5	4097.9	4235.9	4403.9
52.5°	5819.5	5854.8	5721.0	5677.2	5465.3	4904.6	4814.8	4549.4	4892.9	5121.8	5496.3
55°	6284.9	6283.8	6236.7	6337.3	6259.2	5714.6	5615.1	5374.4	5813.0	6055.9	6603.7
57.5°	6501.0	6526.7	6688.3	6972.9	7129.1	6704.3	6609.1	6363.0	6800.6	6926.9	7518.5
60°	6612.3	6644.4	6956.8	7519.6	7940.1	7785.0	7747.5	7434.0	7680.1	7665.1	8290.0
62.5°	6456.1	6520.3	7022.1	7770.0	8518.9	8870.9	8859.2	8385.2	8428.0	8281.4	8768.2
65°	5739.2	5808.8	6596.2	7644.8	8849.6	9697.0	9700.2	9246.5	9002.6	8581.0	8688.0
67.5°	4104.3	4203.8	5177.5	6840.2	8732.9	10143.1	10180.6	9637.0	9137.4	8315.6	7844.9
70°	2237.3	2310.0	3072.9	4972.1	7682.2	10036.1	10105.7	9448.7	8542.5	7193.3	6038.8
72.5°	1016.5	1040.0	1429.5	2728.4	5248.1	8638.8	8929.8	8432.3	7015.7	5313.4	3840.0
75°	465.4	476.1	622.7	1305.3	2742.3	5780.9	5985.3	6280.6	4882.2	3355.4	2001.9
77.5°	292.1	295.3	354.2	597.0	1367.4	2885.7	3100.7	3739.5	2858.9	1660.6	836.7
80°	172.3	175.5	220.4	323.1	642.0	1320.3	1524.7	1478.7	1343.9	716.9	380.9
82.5°	86.7	89.9	127.3	184.0	349.9	525.3	618.4	621.6	500.7	388.4	215.1
85°	31.0	32.1	41.7	72.8	148.7	173.3	193.7	236.5	245.0	225.8	103.8
87.5°	0.0	0.0	1.1	2.1	4.3	17.1	18.2	34.2	71.7	80.2	41.7
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°	1466.9	1466.9	1466.9	1466.9	1466.9	1466.9	1466.9	1466.9	1466.9	1466.9	1466.9
2.5°	1471.2	1455.1	1449.8	1444.4	1435.9	1432.7	1426.2	1419.8	1419.8	1413.4	1410.2
5°	1478.7	1457.3	1443.4	1436.9	1431.6	1434.8	1434.8	1436.9	1444.4	1440.2	1442.3
7.5°	1505.4	1480.8	1461.6	1456.2	1456.2	1469.0	1477.6	1488.3	1502.2	1504.3	1504.3
10°	1552.5	1523.6	1503.3	1500.1	1505.4	1523.6	1536.4	1549.3	1566.4	1567.5	1569.6
12.5°	1603.9	1575.0	1554.6	1558.9	1564.3	1587.8	1601.7	1612.4	1629.5	1629.5	1628.5
15°	1657.4	1625.3	1608.1	1616.7	1632.7	1659.5	1661.6	1662.7	1671.3	1669.1	1668.1
17.5°	1713.0	1678.8	1665.9	1678.8	1695.9	1708.7	1698.0	1683.0	1679.8	1675.5	1673.4
20°	1767.6	1732.2	1726.9	1736.5	1741.9	1731.2	1698.0	1670.2	1657.4	1650.9	1648.8
22.5°	1814.6	1784.7	1781.5	1781.5	1754.7	1717.3	1668.1	1630.6	1613.5	1604.9	1602.8
25°	1870.3	1842.5	1837.1	1808.2	1739.7	1671.3	1604.9	1570.7	1556.8	1552.5	1553.6
27.5°	1935.5	1916.3	1899.2	1816.8	1696.9	1589.9	1515.0	1500.1	1494.7	1500.1	1503.3
30°	2015.8	1996.5	1958.0	1806.1	1628.5	1484.0	1412.3	1411.3	1427.3	1441.2	1443.4
32.5°	2081.1	2072.5	2009.4	1771.8	1532.2	1367.4	1306.4	1310.7	1339.6	1358.8	1362.0
35°	2132.4	2146.3	2052.2	1715.1	1417.7	1257.2	1209.0	1211.2	1227.2	1254.0	1255.1
37.5°	2205.2	2252.2	2090.7	1628.5	1286.1	1162.0	1118.1	1102.0	1099.9	1107.4	1109.5
40°	2351.7	2422.4	2118.5	1502.2	1158.8	1076.4	1027.2	996.1	969.4	949.0	942.6
42.5°	2573.2	2654.5	2134.5	1349.2	1045.3	991.8	936.2	896.6	849.5	806.7	791.8
45°	2979.8	3006.6	2134.5	1186.6	944.8	912.7	857.0	810.0	750.0	699.7	689.0
47.5°	3630.3	3544.7	2136.7	1029.3	856.0	843.1	795.0	741.5	675.1	633.4	627.0
50°	4610.4	4309.8	2180.6	898.8	782.1	784.3	749.0	690.1	630.2	599.2	593.8
52.5°	5721.0	5252.4	2298.3	802.5	720.1	736.1	716.9	660.2	606.7	579.9	574.6
55°	6765.3	6119.0	2398.8	734.0	667.6	695.5	694.4	642.0	593.8	567.1	563.9
57.5°	7653.3	6712.9	2383.8	678.3	622.7	658.0	674.1	630.2	585.3	562.8	559.6
60°	8205.4	7027.4	2170.9	627.0	588.5	631.3	662.3	627.0	589.5	584.2	585.3
62.5°	8445.1	6969.6	1762.2	588.5	566.0	618.4	675.1	649.5	629.1	642.0	649.5
65°	8072.8	6473.2	1296.8	559.6	544.6	621.6	705.1	684.8	629.1	637.7	640.9
67.5°	7039.2	5510.2	937.3	530.7	517.9	631.3	747.9	679.4	592.8	592.8	586.3
70°	5072.6	3963.1	680.5	501.8	491.1	617.4	750.0	643.0	551.0	547.8	531.8
72.5°	3052.6	2337.8	530.7	469.7	450.4	547.8	703.0	600.2	510.4	483.6	464.4
75°	1585.7	1171.6	445.1	434.4	386.3	464.4	643.0	533.9	436.5	413.0	402.3
77.5°	679.4	547.8	382.0	387.3	321.0	390.5	518.9	462.2	387.3	357.4	347.7
80°	334.9	311.4	301.7	310.3	256.8	301.7	447.2	404.4	328.5	294.2	280.3
82.5°	191.5	181.9	217.2	220.4	183.0	252.5	377.7	342.4	271.8	234.3	211.8
85°	88.8	95.2	131.6	132.7	113.4	173.3	247.2	192.6	144.4	119.8	114.5
87.5°	35.3	41.7	57.8	56.7	33.2	32.1	21.4	11.8	9.6	8.6	7.5
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)