

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: P634767

Luminaire Tested: GWS-SA3C-735-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634767
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-SA3C-735-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13640.5 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

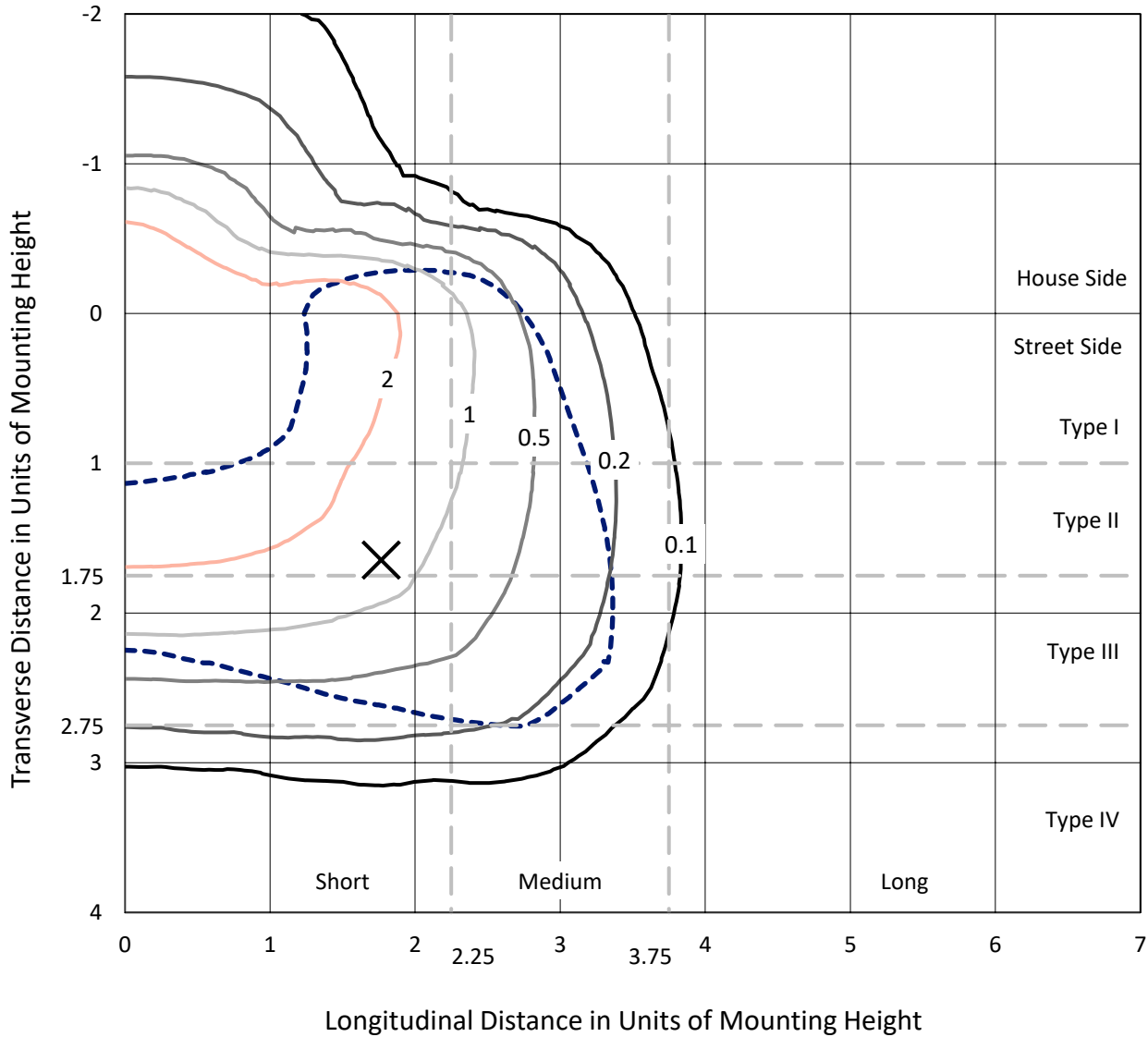
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

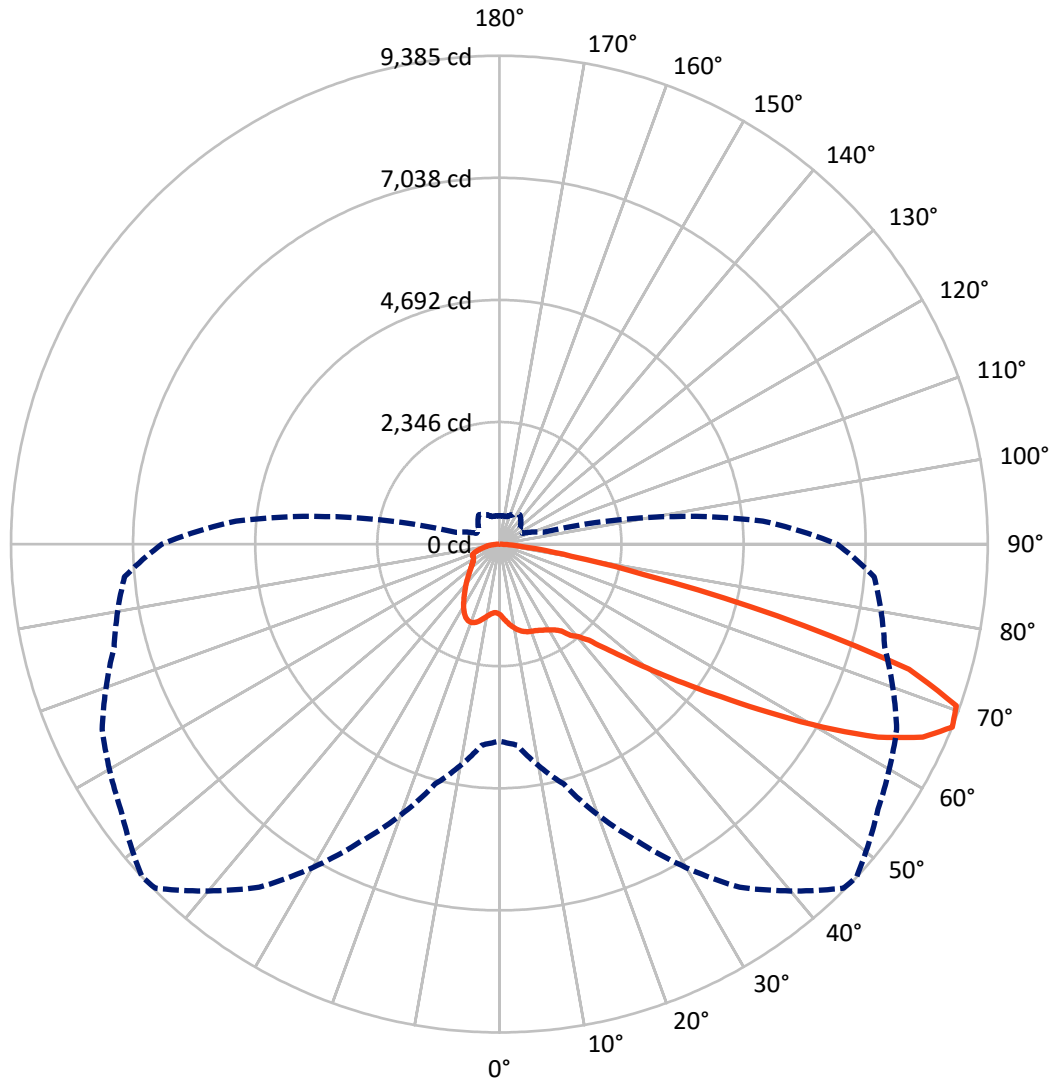
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 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	3108.8	0.0	3108.8
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	10531.7	0.0	10531.7
	% Fixture	77.2	0.0	77.2
Total	Lumens	13640.5	0.0	13640.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.2	1.0
10°-20°	460.4	3.4
20°-30°	782.6	5.7
30°-40°	1146.4	8.4
40°-50°	1746.7	12.8
50°-60°	3125.2	22.9
60°-70°	4170.3	30.6
70°-80°	1885.9	13.8
80°-90°	184.8	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°	13640.5	100.0
0°-180°	13640.5	100.0

Coefficient of Utilization



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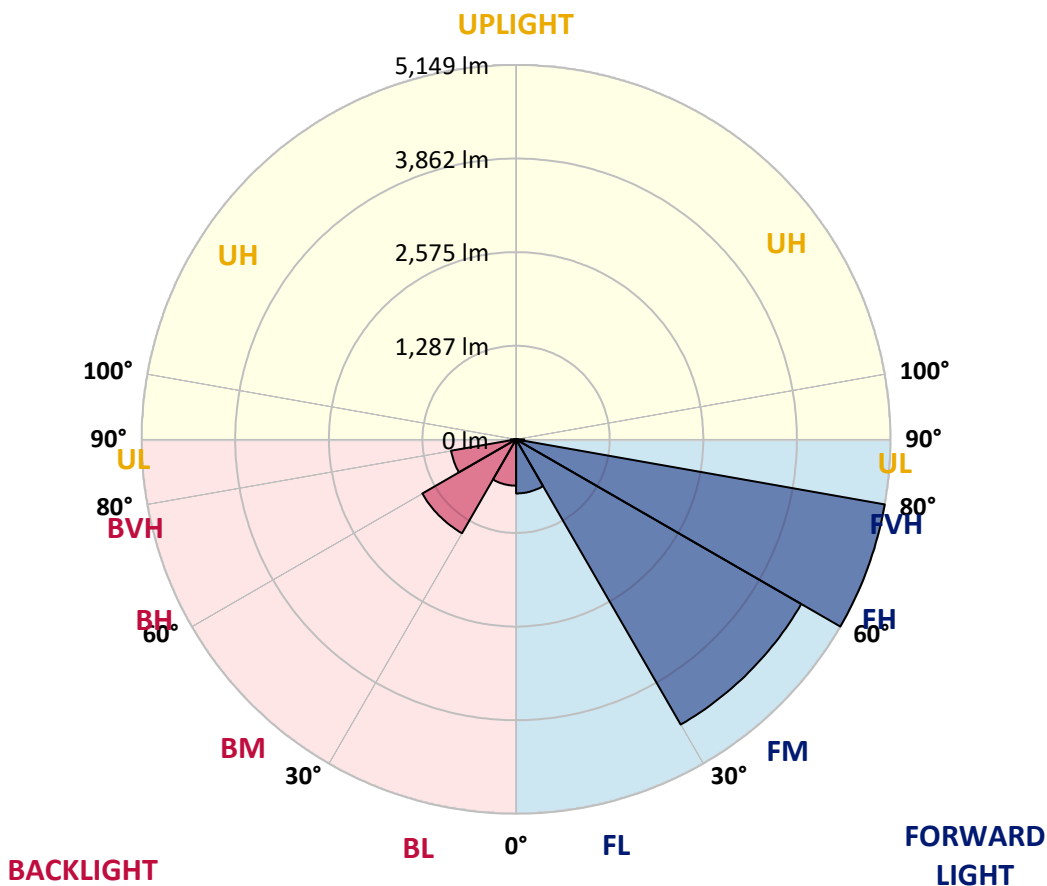
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	743.9	5.5			
FM (30°-60°)	4528.8	33.2			
FH (60°-80°)	5149.1	37.7			G3/7500
FVH (80°-90°)	109.9	0.8			G2/225
BL (0°-30°)	637.3	4.7	B2/1000		
BM (30°-60°)	1489.6	10.9	B2/2500		
BH (60°-80°)	907.0	6.6	B2/1000		G2/1000
BVH (80°-90°)	74.9	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°	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2
2.5°	1442.0	1446.9	1445.9	1438.0	1433.1	1424.2	1425.2	1411.4	1390.7	1376.9	1361.1
5°	1569.2	1577.1	1567.2	1554.4	1534.7	1506.1	1503.1	1471.5	1432.1	1404.5	1375.9
7.5°	1679.7	1684.6	1672.7	1651.1	1622.4	1584.0	1577.1	1539.6	1490.3	1446.9	1405.5
10°	1765.5	1771.4	1755.6	1727.0	1689.5	1651.1	1646.1	1607.7	1555.4	1504.1	1451.8
12.5°	1838.4	1840.4	1823.7	1785.2	1744.7	1705.3	1700.4	1664.9	1616.5	1564.3	1507.1
15°	1880.9	1881.8	1861.1	1818.7	1780.3	1745.7	1742.8	1712.2	1667.8	1618.5	1557.4
17.5°	1877.9	1879.9	1865.1	1827.6	1794.1	1773.4	1770.4	1750.7	1716.1	1671.8	1610.6
20°	1841.4	1843.4	1833.5	1808.9	1791.1	1785.2	1786.2	1780.3	1759.5	1723.1	1660.9
22.5°	1812.8	1815.8	1806.9	1789.1	1787.2	1801.0	1803.9	1806.9	1797.0	1764.5	1704.3
25°	1826.6	1831.5	1817.7	1793.1	1797.0	1827.6	1833.5	1843.4	1835.5	1807.9	1755.6
27.5°	1922.3	1925.2	1889.7	1839.4	1827.6	1860.1	1869.0	1884.8	1878.9	1853.2	1812.8
30°	2144.2	2142.2	2066.3	1943.0	1893.7	1906.5	1913.4	1936.1	1938.1	1921.3	1882.8
32.5°	2456.9	2447.0	2329.6	2133.3	1990.3	1958.8	1966.7	1997.2	2019.9	2002.2	1949.9
35°	2787.3	2778.4	2649.2	2419.4	2168.9	2059.4	2050.5	2074.2	2108.7	2059.4	1984.4
37.5°	3101.9	3088.1	2955.9	2671.9	2388.8	2235.9	2223.1	2199.4	2178.7	2084.0	2026.8
40°	3451.0	3435.3	3319.9	2998.3	2631.4	2371.0	2338.5	2244.8	2226.1	2165.9	2137.3
42.5°	3823.9	3823.9	3728.2	3411.6	2924.4	2564.4	2521.9	2380.9	2400.6	2361.2	2327.6
45°	4196.7	4207.5	4131.6	3827.8	3315.9	2929.3	2861.2	2661.0	2708.4	2690.6	2673.8
47.5°	4514.3	4535.0	4520.2	4252.9	3795.2	3373.1	3269.6	3061.4	3163.0	3205.4	3252.8
50°	4856.5	4879.2	4864.4	4758.9	4356.4	3910.6	3817.9	3602.9	3777.5	3904.7	4059.6
52.5°	5364.4	5397.0	5273.7	5233.3	5038.0	4521.2	4438.3	4193.7	4510.3	4721.4	5066.6
55°	5793.5	5792.5	5749.1	5841.8	5769.8	5267.8	5176.1	4954.1	5358.5	5582.4	6087.4
57.5°	5992.7	6016.4	6165.3	6427.7	6571.7	6180.1	6092.3	5865.5	6268.9	6385.2	6930.7
60°	6095.3	6124.9	6412.9	6931.7	7319.3	7176.3	7141.7	6852.8	7079.6	7065.8	7641.8
62.5°	5951.3	6010.5	6473.0	7162.4	7852.9	8177.3	8166.5	7729.6	7769.0	7633.9	8082.7
65°	5290.5	5354.6	6080.5	7047.1	8157.6	8938.8	8941.7	8523.5	8298.7	7910.1	8008.7
67.5°	3783.4	3875.1	4772.7	6305.4	8050.1	9350.0	9384.6	8883.5	8422.9	7665.5	7231.5
70°	2062.3	2129.4	2832.6	4583.3	7081.6	9251.4	9315.5	8709.9	7874.5	6630.8	5566.6
72.5°	937.0	958.7	1317.7	2515.0	4837.8	7963.3	8231.6	7773.0	6467.1	4897.9	3539.8
75°	429.0	438.9	574.0	1203.3	2527.9	5328.9	5517.3	5789.5	4500.4	3093.0	1845.4
77.5°	269.3	272.2	326.5	550.4	1260.5	2660.0	2858.3	3447.1	2635.4	1530.7	771.3
80°	158.8	161.8	203.2	297.9	591.8	1217.1	1405.5	1363.1	1238.8	660.8	351.1
82.5°	79.9	82.8	117.4	169.6	322.5	484.3	570.1	573.0	461.6	358.0	198.2
85°	28.6	29.6	38.5	67.1	137.1	159.8	178.5	218.0	225.9	208.1	95.7
87.5°	0.0	0.0	1.0	2.0	3.9	15.8	16.8	31.6	66.1	74.0	38.5
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°	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2
2.5°	1356.2	1341.4	1336.4	1331.5	1323.6	1320.6	1314.7	1308.8	1308.8	1302.9	1299.9
5°	1363.1	1343.3	1330.5	1324.6	1319.7	1322.6	1322.6	1324.6	1331.5	1327.5	1329.5
7.5°	1387.7	1365.0	1347.3	1342.3	1342.3	1354.2	1362.1	1371.9	1384.8	1386.7	1386.7
10°	1431.1	1404.5	1385.7	1382.8	1387.7	1404.5	1416.3	1428.1	1443.9	1444.9	1446.9
12.5°	1478.5	1451.8	1433.1	1437.0	1442.0	1463.7	1476.5	1486.3	1502.1	1502.1	1501.1
15°	1527.8	1498.2	1482.4	1490.3	1505.1	1529.7	1531.7	1532.7	1540.6	1538.6	1537.6
17.5°	1579.1	1547.5	1535.7	1547.5	1563.3	1575.1	1565.2	1551.4	1548.5	1544.5	1542.6
20°	1629.4	1596.8	1591.9	1600.8	1605.7	1595.8	1565.2	1539.6	1527.8	1521.8	1519.9
22.5°	1672.7	1645.1	1642.2	1642.2	1617.5	1583.0	1537.6	1503.1	1487.3	1479.4	1477.5
25°	1724.0	1698.4	1693.5	1666.8	1603.7	1540.6	1479.4	1447.9	1435.1	1431.1	1432.1
27.5°	1784.2	1766.4	1750.7	1674.7	1564.3	1465.6	1396.6	1382.8	1377.8	1382.8	1385.7
30°	1858.2	1840.4	1804.9	1664.9	1501.1	1368.0	1301.9	1300.9	1315.7	1328.5	1330.5
32.5°	1918.3	1910.4	1852.3	1633.3	1412.4	1260.5	1204.3	1208.2	1234.8	1252.6	1255.5
35°	1965.7	1978.5	1891.7	1581.0	1306.8	1158.9	1114.5	1116.5	1131.3	1155.9	1156.9
37.5°	2032.7	2076.1	1927.2	1501.1	1185.5	1071.1	1030.7	1015.9	1013.9	1020.8	1022.8
40°	2167.9	2233.0	1952.9	1384.8	1068.2	992.2	946.8	918.2	893.6	874.8	868.9
42.5°	2372.0	2447.0	1967.7	1243.7	963.6	914.3	863.0	826.5	783.1	743.7	729.9
45°	2746.8	2771.5	1967.7	1093.8	870.9	841.3	790.0	746.6	691.4	645.0	635.2
47.5°	3346.5	3267.6	1969.6	948.8	789.0	777.2	732.8	683.5	622.3	583.9	578.0
50°	4249.9	3972.8	2010.1	828.5	721.0	723.0	690.4	636.2	580.9	552.3	547.4
52.5°	5273.7	4841.7	2118.6	739.7	663.8	678.6	660.8	608.5	559.2	534.6	529.6
55°	6236.3	5640.6	2211.3	676.6	615.4	641.1	640.1	591.8	547.4	522.7	519.8
57.5°	7054.9	6188.0	2197.5	625.3	574.0	606.6	621.4	580.9	539.5	518.8	515.8
60°	7563.9	6478.0	2001.2	578.0	542.5	581.9	610.5	578.0	543.4	538.5	539.5
62.5°	7784.8	6424.7	1624.4	542.5	521.7	570.1	622.3	598.7	579.9	591.8	598.7
65°	7441.6	5967.1	1195.4	515.8	502.0	573.0	650.0	631.2	579.9	587.8	590.8
67.5°	6488.8	5079.4	864.0	489.2	477.4	581.9	689.4	626.3	546.4	546.4	540.5
70°	4676.0	3653.2	627.3	462.6	452.7	569.1	691.4	592.8	507.9	505.0	490.2
72.5°	2813.9	2155.0	489.2	433.0	415.2	505.0	648.0	553.3	470.5	445.8	428.1
75°	1461.7	1080.0	410.3	400.4	356.1	428.1	592.8	492.2	402.4	380.7	370.8
77.5°	626.3	505.0	352.1	357.0	295.9	360.0	478.4	426.1	357.0	329.4	320.5
80°	308.7	287.0	278.1	286.0	236.7	278.1	412.3	372.8	302.8	271.2	258.4
82.5°	176.5	167.7	200.2	203.2	168.7	232.8	348.2	315.6	250.5	216.0	195.3
85°	81.9	87.8	121.3	122.3	104.5	159.8	227.8	177.5	133.1	110.5	105.5
87.5°	32.5	38.5	53.3	52.3	30.6	29.6	19.7	10.8	8.9	7.9	6.9
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)