

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: P634875

Luminaire Tested: GWS-SA3C-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13782.8 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

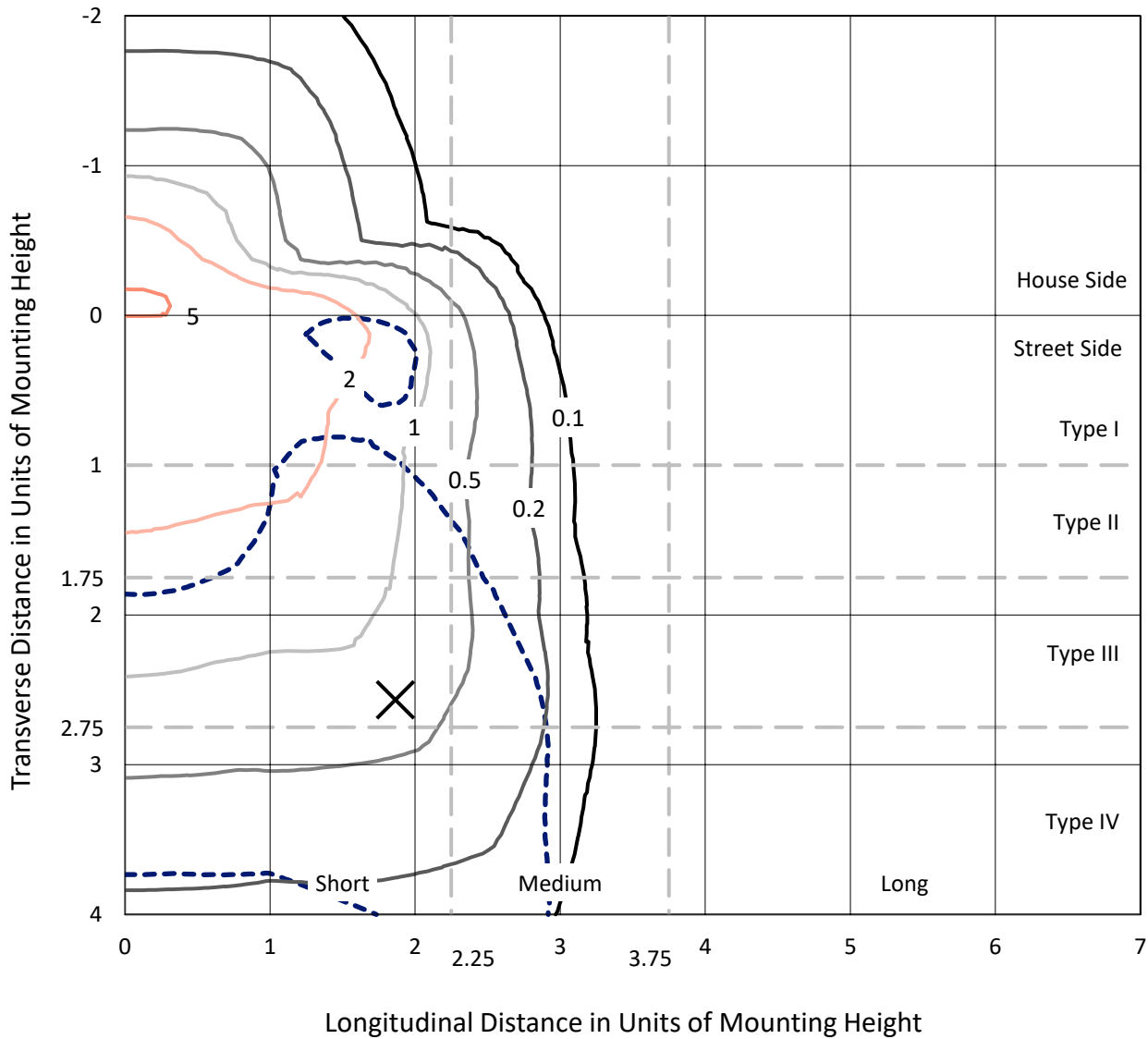
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

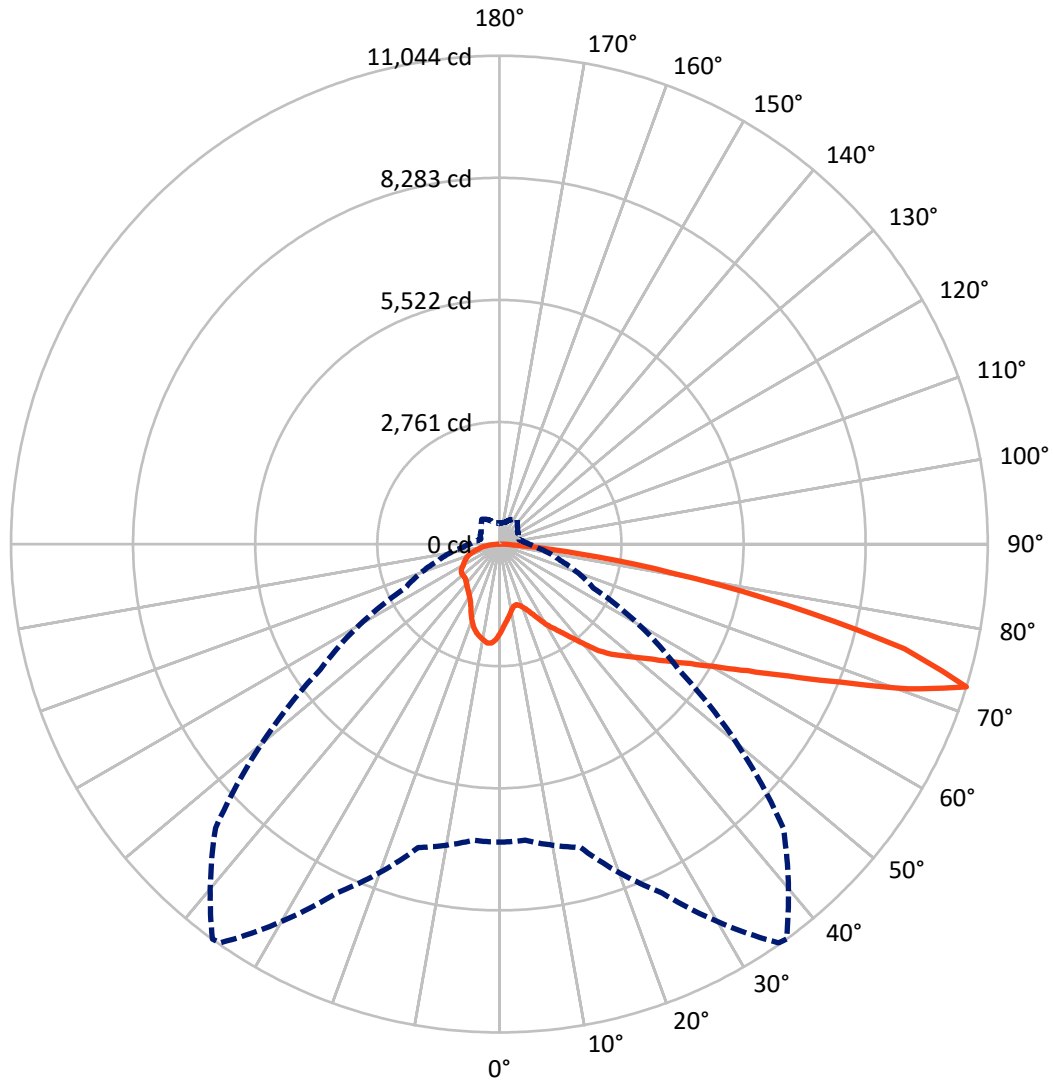
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3177.5	0.0	3177.5
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	10605.3	0.0	10605.3
	% Fixture	76.9	0.0	76.9
Total	Lumens	13782.8	0.0	13782.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.5	1.4
10°-20°	532.0	3.9
20°-30°	881.0	6.4
30°-40°	1319.4	9.6
40°-50°	1924.9	14.0
50°-60°	2739.7	19.9
60°-70°	3461.4	25.1
70°-80°	2466.6	17.9
80°-90°	269.3	2.0
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°	13782.8	100.0
0°-180°	13782.8	100.0

Coefficient of Utilization



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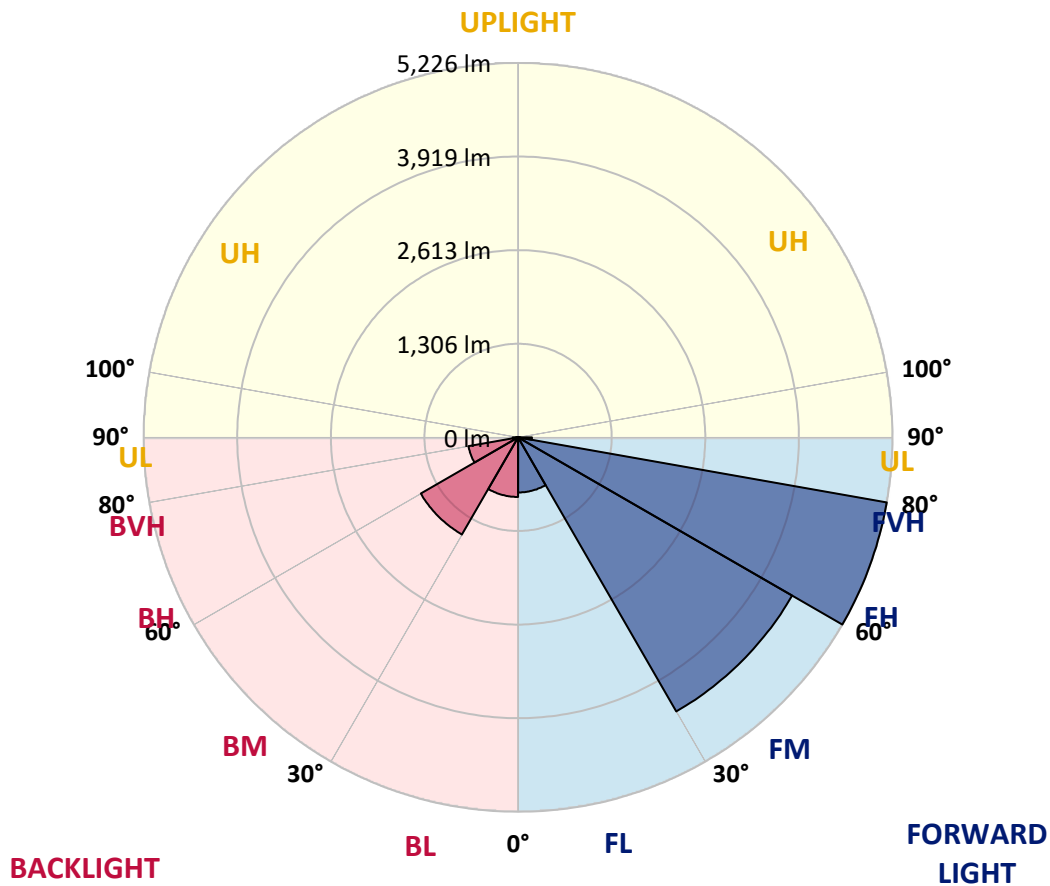
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	769.5	5.6			
FM (30°-60°)	4417.0	32.0			
FH (60°-80°)	5225.5	37.9			G3/7500
FVH (80°-90°)	193.3	1.4			G2/225
BL (0°-30°)	832.1	6.0	B2/1000		
BM (30°-60°)	1567.0	11.4	B2/2500		
BH (60°-80°)	702.5	5.1	B2/1000		G2/1000
BVH (80°-90°)	76.0	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2
2.5°	1840.2	1837.1	1831.0	1849.4	1867.8	1865.8	1891.4	1915.9	1942.5	1970.1	2006.9
5°	1692.9	1690.9	1685.8	1713.4	1741.0	1740.0	1781.9	1821.8	1876.0	1935.3	2009.0
7.5°	1545.6	1540.5	1547.7	1582.4	1621.3	1625.4	1682.7	1748.1	1826.9	1915.9	2020.2
10°	1415.7	1414.7	1417.8	1456.6	1514.9	1519.0	1592.7	1683.7	1788.0	1906.7	2045.8
12.5°	1381.9	1379.9	1371.7	1391.2	1435.1	1441.3	1522.1	1633.6	1761.4	1911.8	2080.6
15°	1437.2	1432.1	1403.4	1394.2	1415.7	1420.8	1489.4	1603.9	1746.1	1921.0	2124.6
17.5°	1532.3	1529.2	1475.0	1437.2	1451.5	1455.6	1506.7	1598.8	1742.0	1939.4	2178.8
20°	1671.4	1658.1	1573.2	1515.9	1515.9	1522.1	1552.8	1621.3	1747.1	1961.9	2240.2
22.5°	1855.6	1829.0	1709.3	1631.5	1611.1	1619.3	1632.6	1677.6	1768.6	1999.8	2316.9
25°	2062.2	2037.6	1895.4	1786.0	1757.4	1760.4	1749.2	1757.4	1815.7	2052.0	2412.0
27.5°	2282.1	2265.7	2114.4	1975.2	1930.2	1930.2	1890.3	1870.9	1881.1	2111.3	2518.4
30°	2478.5	2456.0	2328.1	2175.7	2116.4	2116.4	2040.7	1998.8	1974.2	2183.9	2660.6
32.5°	2581.8	2568.5	2483.6	2367.0	2294.4	2283.1	2217.7	2168.6	2111.3	2291.3	2852.9
35°	2716.8	2713.8	2662.6	2571.6	2479.5	2463.2	2418.2	2379.3	2280.1	2425.3	3108.6
37.5°	2886.6	2881.5	2873.3	2819.1	2708.7	2705.6	2665.7	2618.6	2489.8	2618.6	3418.6
40°	3076.9	3067.7	3057.5	3056.4	2990.0	2978.7	2975.6	2922.4	2742.4	2851.9	3741.8
42.5°	3338.8	3307.1	3210.9	3253.9	3303.0	3292.7	3331.6	3251.8	3057.5	3129.1	4047.6
45°	3661.0	3583.2	3393.0	3405.3	3529.0	3549.5	3684.5	3665.1	3404.2	3449.2	4369.9
47.5°	3854.3	3786.8	3609.8	3599.6	3754.1	3779.6	4073.2	4110.0	3777.6	3834.9	4767.8
50°	4012.9	3965.8	3820.6	3834.9	3998.5	4024.1	4458.9	4537.6	4129.5	4229.7	5230.1
52.5°	4204.2	4136.6	4024.1	4091.6	4292.1	4322.8	4887.5	4972.4	4446.6	4663.4	5708.8
55°	4311.6	4283.9	4286.0	4389.3	4640.9	4682.9	5336.5	5322.2	4737.1	5034.8	6068.9
57.5°	4559.1	4548.9	4643.0	4681.8	5048.1	5102.3	5785.6	5662.8	5001.0	5322.2	6241.8
60°	4995.9	4970.3	5052.1	5111.5	5551.3	5628.0	6286.8	5996.3	5180.0	5536.0	6183.5
62.5°	5609.6	5577.9	5581.0	5675.1	6225.4	6306.2	6844.3	6274.5	5235.2	5568.7	5814.2
65°	6372.7	6326.7	6274.5	6402.4	7120.5	7188.0	7450.9	6477.1	5103.3	5253.7	5042.9
67.5°	7177.7	7139.9	7078.5	7346.5	8279.4	8320.3	8131.1	6459.7	4684.9	4410.8	3537.2
70°	7224.8	7234.0	7524.5	8494.2	9792.3	9802.5	8774.5	6109.8	3794.0	2859.0	1762.5
72.5°	6739.9	6724.6	7103.1	8703.9	11009.6	11044.3	9078.3	4949.9	2344.5	1425.9	826.5
75°	5474.6	5501.2	5899.1	7615.5	9436.3	9467.0	7400.7	2918.4	1113.9	697.6	528.8
77.5°	2356.8	2505.1	3289.7	5365.2	6758.4	6663.2	3814.4	1182.5	594.3	497.1	405.1
80°	680.2	738.5	1172.3	2551.1	4049.7	3978.1	1509.8	442.9	414.3	373.4	290.5
82.5°	219.9	243.5	429.6	1015.7	1814.6	1812.6	572.8	261.9	271.1	253.7	187.2
85°	61.4	70.6	132.0	307.9	561.6	550.3	165.7	123.8	144.2	146.3	93.1
87.5°	0.0	0.0	1.0	2.0	2.0	2.0	4.1	18.4	41.9	53.2	37.8
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°	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2
2.5°	2029.4	2026.4	2068.3	2101.1	2131.7	2152.2	2158.3	2162.4	2170.6	2174.7	2170.6
5°	2043.8	2059.1	2128.7	2179.8	2220.7	2245.3	2246.3	2244.3	2250.4	2245.3	2242.2
7.5°	2074.5	2104.1	2192.1	2246.3	2272.9	2273.9	2249.4	2220.7	2206.4	2194.1	2190.0
10°	2115.4	2159.4	2255.5	2291.3	2283.1	2245.3	2191.1	2146.1	2120.5	2102.1	2098.0
12.5°	2171.6	2220.7	2311.8	2310.7	2259.6	2192.1	2128.7	2074.5	2037.6	2016.2	2009.0
15°	2224.8	2287.2	2352.7	2304.6	2223.8	2142.0	2060.1	1987.5	1938.4	1904.7	1898.5
17.5°	2290.3	2356.8	2382.4	2285.2	2178.8	2073.4	1964.0	1868.9	1802.4	1762.5	1759.4
20°	2366.0	2425.3	2396.7	2251.4	2120.5	1982.4	1834.1	1727.7	1656.1	1617.2	1620.3
22.5°	2454.0	2496.9	2400.8	2205.4	2039.7	1853.5	1687.8	1585.5	1537.4	1517.0	1518.0
25°	2548.1	2575.7	2393.6	2143.0	1915.9	1696.0	1537.4	1490.4	1486.3	1481.2	1483.2
27.5°	2659.6	2653.4	2372.1	2055.0	1749.2	1512.9	1432.1	1444.3	1460.7	1458.7	1460.7
30°	2808.9	2750.6	2344.5	1933.3	1550.7	1359.4	1369.7	1404.5	1425.9	1428.0	1434.1
32.5°	2979.7	2858.0	2300.5	1767.6	1361.5	1273.5	1311.4	1353.3	1378.9	1384.0	1392.2
35°	3183.3	2980.8	2222.8	1561.0	1225.4	1222.4	1257.2	1285.8	1313.4	1315.5	1315.5
37.5°	3417.5	3103.5	2099.0	1332.8	1141.6	1178.4	1211.1	1217.3	1224.4	1218.3	1221.4
40°	3632.3	3222.2	1923.1	1125.2	1073.0	1139.5	1167.1	1146.7	1124.2	1108.8	1111.9
42.5°	3812.4	3303.0	1689.8	979.9	1003.5	1104.7	1126.2	1084.3	1040.3	1011.7	1015.7
45°	4014.9	3377.6	1415.7	881.7	944.1	1080.2	1094.5	1040.3	984.0	941.1	934.9
47.5°	4294.2	3530.1	1172.3	813.2	902.2	1066.9	1090.4	1016.8	943.1	878.7	871.5
50°	4638.9	3745.9	968.7	768.2	882.8	1059.7	1089.4	991.2	903.2	827.5	822.4
52.5°	5015.3	3956.6	818.3	733.4	863.3	1038.3	1084.3	962.6	861.3	779.5	773.3
55°	5265.9	4039.5	717.1	700.7	831.6	1004.5	1063.8	934.9	797.9	723.2	714.0
57.5°	5339.6	3933.1	646.5	671.0	790.7	957.4	1025.0	876.6	759.0	699.7	692.5
60°	5212.7	3665.1	602.5	646.5	745.7	897.1	957.4	842.9	728.3	675.1	670.0
62.5°	4854.7	3251.8	568.7	620.9	699.7	833.7	914.5	802.0	694.6	652.6	645.5
65°	4134.6	2666.7	541.1	594.3	655.7	773.3	867.4	761.0	657.7	626.0	617.8
67.5°	2891.8	1872.9	511.5	562.6	611.7	715.0	818.3	723.2	619.9	596.4	588.2
70°	1413.7	993.2	475.7	525.8	564.6	655.7	769.2	677.2	569.8	556.5	545.2
72.5°	673.1	555.4	433.7	475.7	500.2	576.9	687.4	610.7	510.4	481.8	462.4
75°	451.1	394.8	378.5	416.3	422.5	483.8	589.2	526.8	450.1	417.3	401.0
77.5°	341.7	301.8	318.1	351.9	339.6	397.9	484.9	469.5	406.1	376.4	368.2
80°	240.4	219.9	252.7	273.1	263.9	338.6	436.8	402.0	334.5	301.8	295.6
82.5°	151.4	147.3	186.2	189.2	192.3	268.0	359.0	316.1	259.8	213.8	198.4
85°	75.7	83.9	111.5	111.5	110.5	138.1	204.6	178.0	140.1	111.5	108.4
87.5°	25.6	35.8	48.1	38.9	29.7	23.5	26.6	32.7	34.8	33.8	33.8
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)