

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: P634765

Luminaire Tested: GWS-SA3C-735-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634765
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-735-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13289.3 lumens
Efficiency: N/A
Efficacy: 142.9 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

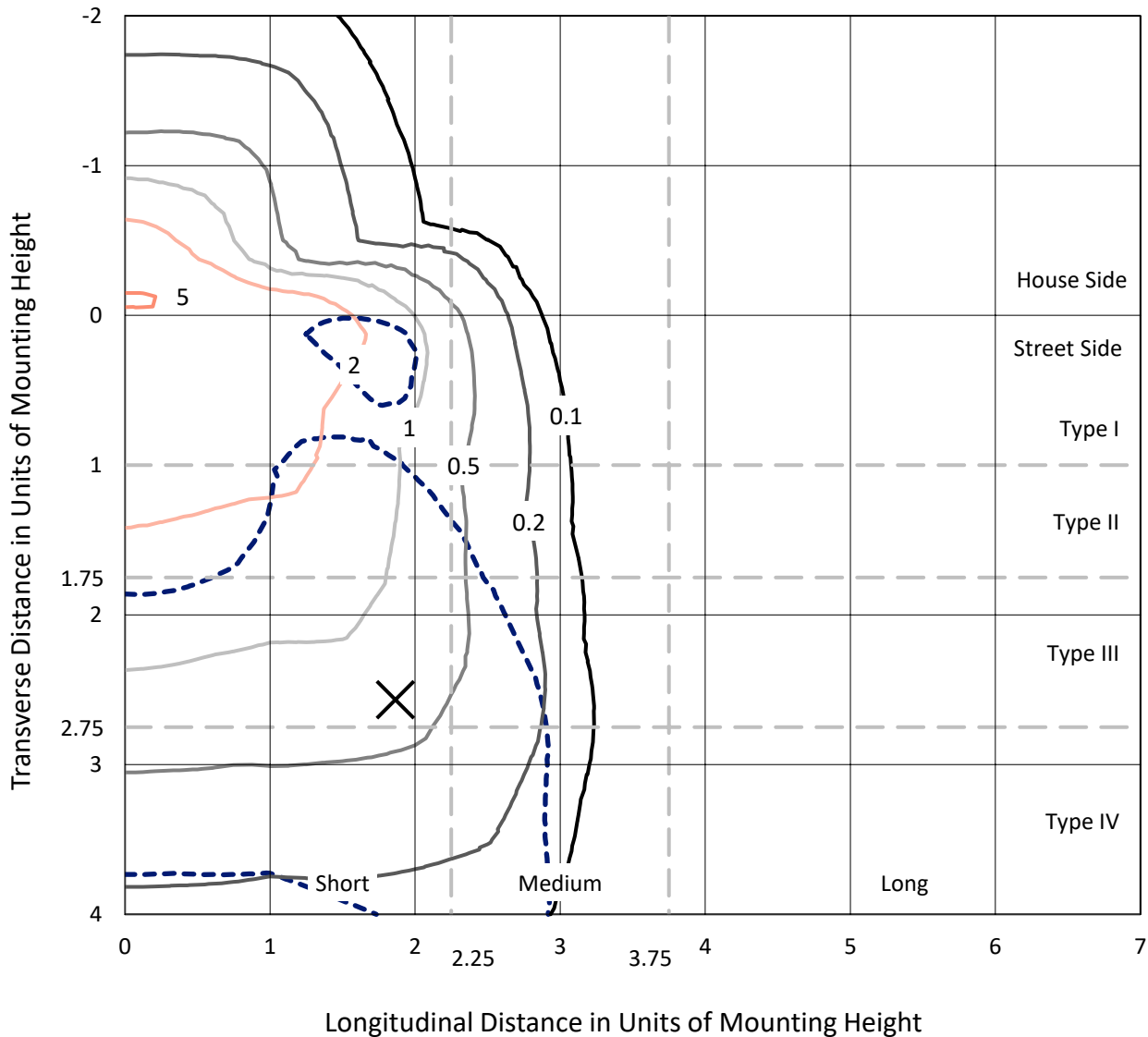
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

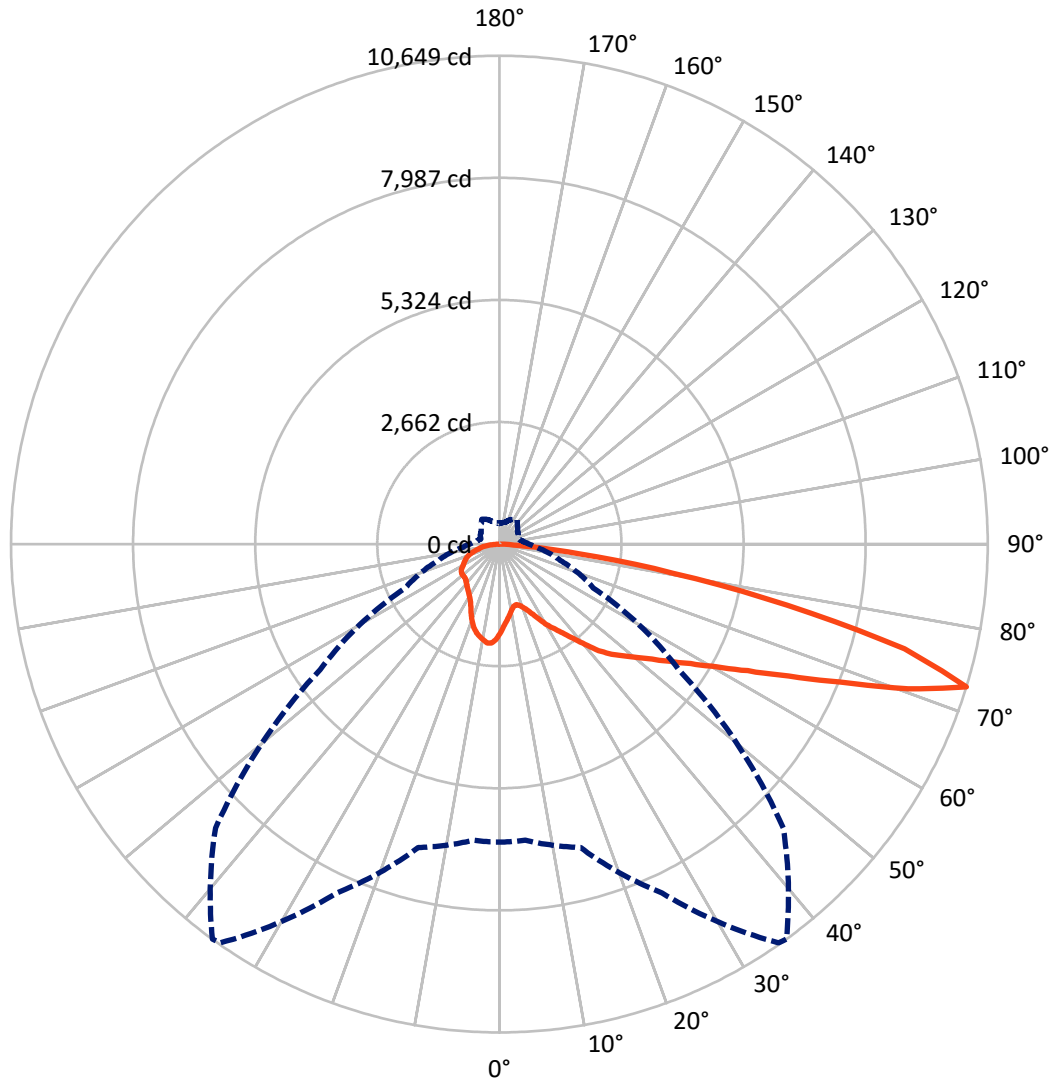
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 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	3063.8	0.0	3063.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	10225.6	0.0	10225.6
	% Fixture	76.9	0.0	76.9
Total	Lumens	13289.3	0.0	13289.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.8	1.4
10°-20°	512.9	3.9
20°-30°	849.5	6.4
30°-40°	1272.2	9.6
40°-50°	1856.0	14.0
50°-60°	2641.6	19.9
60°-70°	3337.5	25.1
70°-80°	2378.2	17.9
80°-90°	259.6	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°	13289.3	100.0
0°-180°	13289.3	100.0

Coefficient of Utilization



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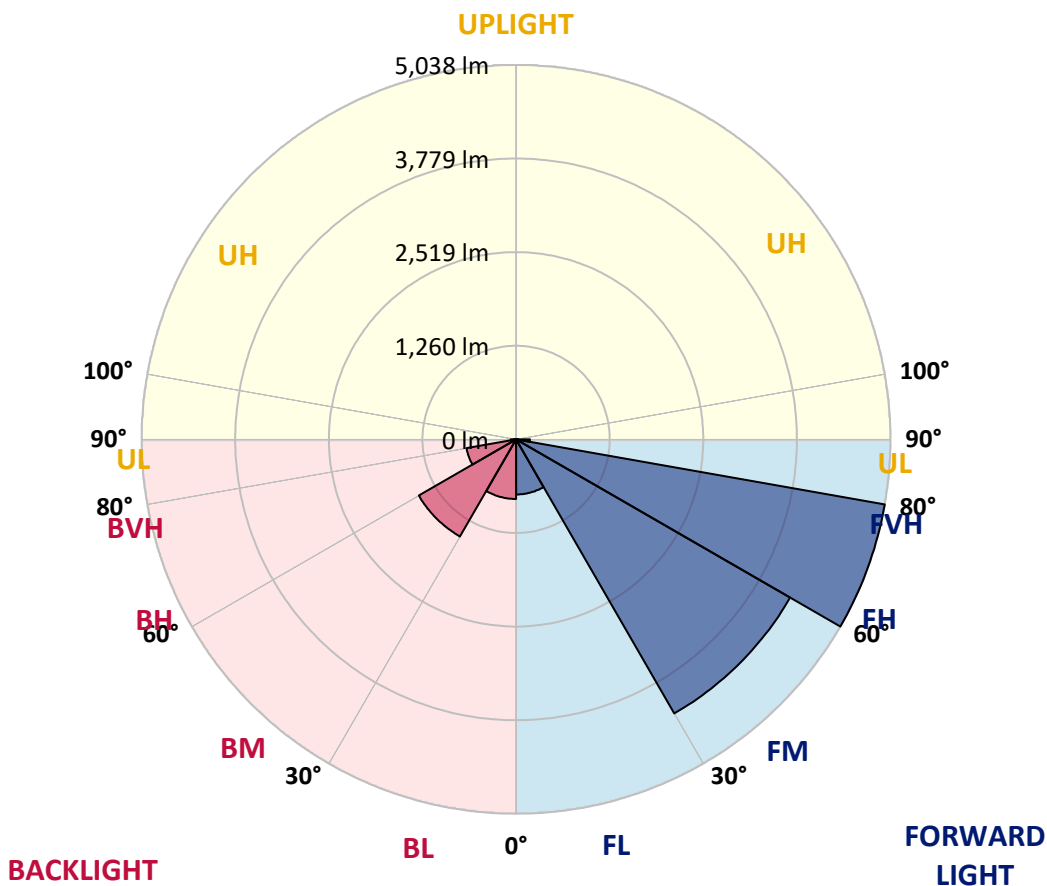
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	741.9	5.6			
FM (30°-60°)	4258.9	32.0			
FH (60°-80°)	5038.4	37.9			G3/7500
FVH (80°-90°)	186.3	1.4			G2/225
BL (0°-30°)	802.3	6.0	B2/1000		
BM (30°-60°)	1510.9	11.4	B2/2500		
BH (60°-80°)	677.3	5.1	B2/1000		G2/1000
BVH (80°-90°)	73.3	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°	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9
2.5°	1774.3	1771.4	1765.4	1783.2	1801.0	1799.0	1823.6	1847.3	1872.9	1899.6	1935.1
5°	1632.3	1630.3	1625.4	1652.0	1678.7	1677.7	1718.1	1756.6	1808.8	1866.0	1937.1
7.5°	1490.3	1485.3	1492.2	1525.8	1563.3	1567.2	1622.4	1685.6	1761.5	1847.3	1947.9
10°	1365.0	1364.0	1367.0	1404.5	1460.7	1464.6	1535.6	1623.4	1724.0	1838.4	1972.6
12.5°	1332.5	1330.5	1322.6	1341.3	1383.8	1389.7	1467.6	1575.1	1698.4	1843.4	2006.1
15°	1385.7	1380.8	1353.2	1344.3	1365.0	1369.9	1436.0	1546.5	1683.6	1852.2	2048.5
17.5°	1477.5	1474.5	1422.2	1385.7	1399.5	1403.5	1452.8	1541.6	1679.6	1870.0	2100.8
20°	1611.6	1598.8	1516.9	1461.7	1461.7	1467.6	1497.2	1563.3	1684.6	1891.7	2160.0
22.5°	1789.1	1763.5	1648.1	1573.1	1553.4	1561.3	1574.1	1617.5	1705.3	1928.2	2233.9
25°	1988.3	1964.7	1827.6	1722.0	1694.4	1697.4	1686.5	1694.4	1750.7	1978.5	2325.7
27.5°	2200.4	2184.6	2038.6	1904.5	1861.1	1861.1	1822.6	1803.9	1813.8	2035.7	2428.2
30°	2389.8	2368.1	2244.8	2097.8	2040.6	2040.6	1967.6	1927.2	1903.5	2105.7	2565.3
32.5°	2489.4	2476.6	2394.7	2282.3	2212.2	2201.4	2138.3	2090.9	2035.7	2209.3	2750.7
35°	2619.6	2616.6	2567.3	2479.5	2390.7	2375.0	2331.6	2294.1	2198.4	2338.5	2997.3
37.5°	2783.3	2778.4	2770.5	2718.2	2611.7	2608.7	2570.3	2524.9	2400.6	2524.9	3296.2
40°	2966.7	2957.9	2948.0	2947.0	2882.9	2872.1	2869.1	2817.8	2644.2	2749.8	3607.8
42.5°	3219.2	3188.7	3095.9	3137.4	3184.7	3174.8	3212.3	3135.4	2948.0	3017.0	3902.7
45°	3529.9	3454.9	3271.5	3283.3	3402.7	3422.4	3552.6	3533.8	3282.3	3325.7	4213.4
47.5°	3716.3	3651.2	3480.6	3470.7	3619.7	3644.3	3927.4	3962.9	3642.3	3697.6	4597.1
50°	3869.2	3823.8	3683.8	3697.6	3855.4	3880.0	4299.2	4375.1	3981.6	4078.3	5042.9
52.5°	4053.6	3988.5	3880.0	3945.1	4138.4	4168.0	4712.5	4794.3	4287.4	4496.5	5504.4
55°	4157.2	4130.6	4132.5	4232.1	4474.8	4515.2	5145.4	5131.6	4567.5	4854.5	5851.6
57.5°	4395.9	4386.0	4476.7	4514.2	4867.3	4919.6	5578.4	5460.1	4821.9	5131.6	6018.3
60°	4817.0	4792.3	4871.2	4928.5	5352.6	5426.5	6061.7	5781.6	4994.5	5337.8	5962.1
62.5°	5408.8	5378.2	5381.2	5471.9	6002.5	6080.4	6599.2	6049.9	5047.8	5369.3	5606.0
65°	6144.5	6100.2	6049.9	6173.1	6865.5	6930.6	7184.1	6245.1	4920.6	5065.5	4862.4
67.5°	6920.7	6884.3	6825.1	7083.5	7983.0	8022.4	7840.0	6228.4	4517.2	4252.8	3410.6
70°	6966.1	6975.0	7255.1	8190.1	9441.7	9451.5	8460.3	5891.1	3658.1	2756.7	1699.4
72.5°	6498.6	6483.8	6848.7	8392.3	10615.4	10648.9	8753.3	4772.6	2260.6	1374.9	796.9
75°	5278.6	5304.2	5687.9	7342.9	9098.5	9128.0	7135.8	2813.9	1074.1	672.6	509.9
77.5°	2272.4	2415.4	3171.9	5173.1	6516.4	6424.6	3677.8	1140.1	573.0	479.3	390.6
80°	655.9	712.1	1130.3	2459.8	3904.7	3835.7	1455.8	427.1	399.4	360.0	280.1
82.5°	212.1	234.7	414.2	979.4	1749.7	1747.7	552.3	252.5	261.4	244.6	180.5
85°	59.2	68.1	127.2	296.9	541.5	530.6	159.8	119.3	139.1	141.0	89.8
87.5°	0.0	0.0	1.0	2.0	2.0	2.0	3.9	17.8	40.4	51.3	36.5
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°	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9
2.5°	1956.8	1953.8	1994.3	2025.8	2055.4	2075.1	2081.1	2085.0	2092.9	2096.8	2092.9
5°	1970.6	1985.4	2052.5	2101.8	2141.2	2164.9	2165.9	2163.9	2169.8	2164.9	2161.9
7.5°	2000.2	2028.8	2113.6	2165.9	2191.5	2192.5	2168.8	2141.2	2127.4	2115.6	2111.6
10°	2039.6	2082.0	2174.8	2209.3	2201.4	2164.9	2112.6	2069.2	2044.6	2026.8	2022.9
12.5°	2093.9	2141.2	2229.0	2228.0	2178.7	2113.6	2052.5	2000.2	1964.7	1944.0	1937.1
15°	2145.2	2205.3	2268.4	2222.1	2144.2	2065.3	1986.4	1916.3	1869.0	1836.5	1830.5
17.5°	2208.3	2272.4	2297.1	2203.4	2100.8	1999.2	1893.7	1801.9	1737.8	1699.4	1696.4
20°	2281.3	2338.5	2310.9	2170.8	2044.6	1911.4	1768.4	1665.8	1596.8	1559.3	1562.3
22.5°	2366.1	2407.5	2314.8	2126.4	1966.6	1787.1	1627.4	1528.7	1482.4	1462.7	1463.6
25°	2456.8	2483.5	2307.9	2066.3	1847.3	1635.3	1482.4	1437.0	1433.1	1428.1	1430.1
27.5°	2564.3	2558.4	2287.2	1981.4	1686.5	1458.7	1380.8	1392.6	1408.4	1406.4	1408.4
30°	2708.3	2652.1	2260.6	1864.1	1495.2	1310.8	1320.6	1354.2	1374.9	1376.9	1382.8
32.5°	2873.0	2755.7	2218.1	1704.3	1312.7	1227.9	1264.4	1304.9	1329.5	1334.4	1342.3
35°	3069.3	2874.0	2143.2	1505.1	1181.6	1178.6	1212.1	1239.8	1266.4	1268.4	1268.4
37.5°	3295.2	2992.4	2023.9	1285.1	1100.7	1136.2	1167.8	1173.7	1180.6	1174.7	1177.6
40°	3502.3	3106.8	1854.2	1084.9	1034.6	1098.7	1125.3	1105.6	1083.9	1069.1	1072.1
42.5°	3675.9	3184.7	1629.3	944.9	967.5	1065.2	1085.9	1045.5	1003.0	975.4	979.4
45°	3871.2	3256.7	1365.0	850.2	910.3	1041.5	1055.3	1003.0	948.8	907.4	901.5
47.5°	4140.4	3403.7	1130.3	784.1	869.9	1028.7	1051.4	980.4	909.4	847.2	840.3
50°	4472.8	3611.8	934.0	740.7	851.2	1021.8	1050.4	955.7	870.9	797.9	793.0
52.5°	4835.7	3814.9	789.0	707.2	832.4	1001.1	1045.5	928.1	830.4	751.5	745.6
55°	5077.4	3894.8	691.4	675.6	801.8	968.5	1025.7	901.5	769.3	697.3	688.4
57.5°	5148.4	3792.3	623.3	647.0	762.4	923.2	988.3	845.2	731.8	674.6	667.7
60°	5026.1	3533.8	580.9	623.3	719.0	865.0	923.2	812.7	702.2	650.9	646.0
62.5°	4680.9	3135.4	548.4	598.7	674.6	803.8	881.7	773.2	669.7	629.2	622.3
65°	3986.6	2571.2	521.7	573.0	632.2	745.6	836.4	733.8	634.2	603.6	595.7
67.5°	2788.2	1805.9	493.1	542.5	589.8	689.4	789.0	697.3	597.7	575.0	567.1
70°	1363.0	957.7	458.6	506.9	544.4	632.2	741.7	652.9	549.4	536.5	525.7
72.5°	649.0	535.6	418.2	458.6	482.3	556.3	662.8	588.8	492.2	464.5	445.8
75°	435.0	380.7	364.9	401.4	407.3	466.5	568.1	507.9	434.0	402.4	386.6
77.5°	329.4	291.0	306.7	339.3	327.4	383.7	467.5	452.7	391.6	363.0	355.1
80°	231.8	212.1	243.6	263.3	254.5	326.5	421.1	387.6	322.5	291.0	285.0
82.5°	146.0	142.0	179.5	182.5	185.4	258.4	346.2	304.8	250.5	206.1	191.3
85°	73.0	80.9	107.5	107.5	106.5	133.1	197.3	171.6	135.1	107.5	104.5
87.5°	24.7	34.5	46.4	37.5	28.6	22.7	25.6	31.6	33.5	32.5	32.5
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)