

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: P633390

Luminaire Tested: GWS-SA2E-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633390
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-SA2E-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14416.6 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

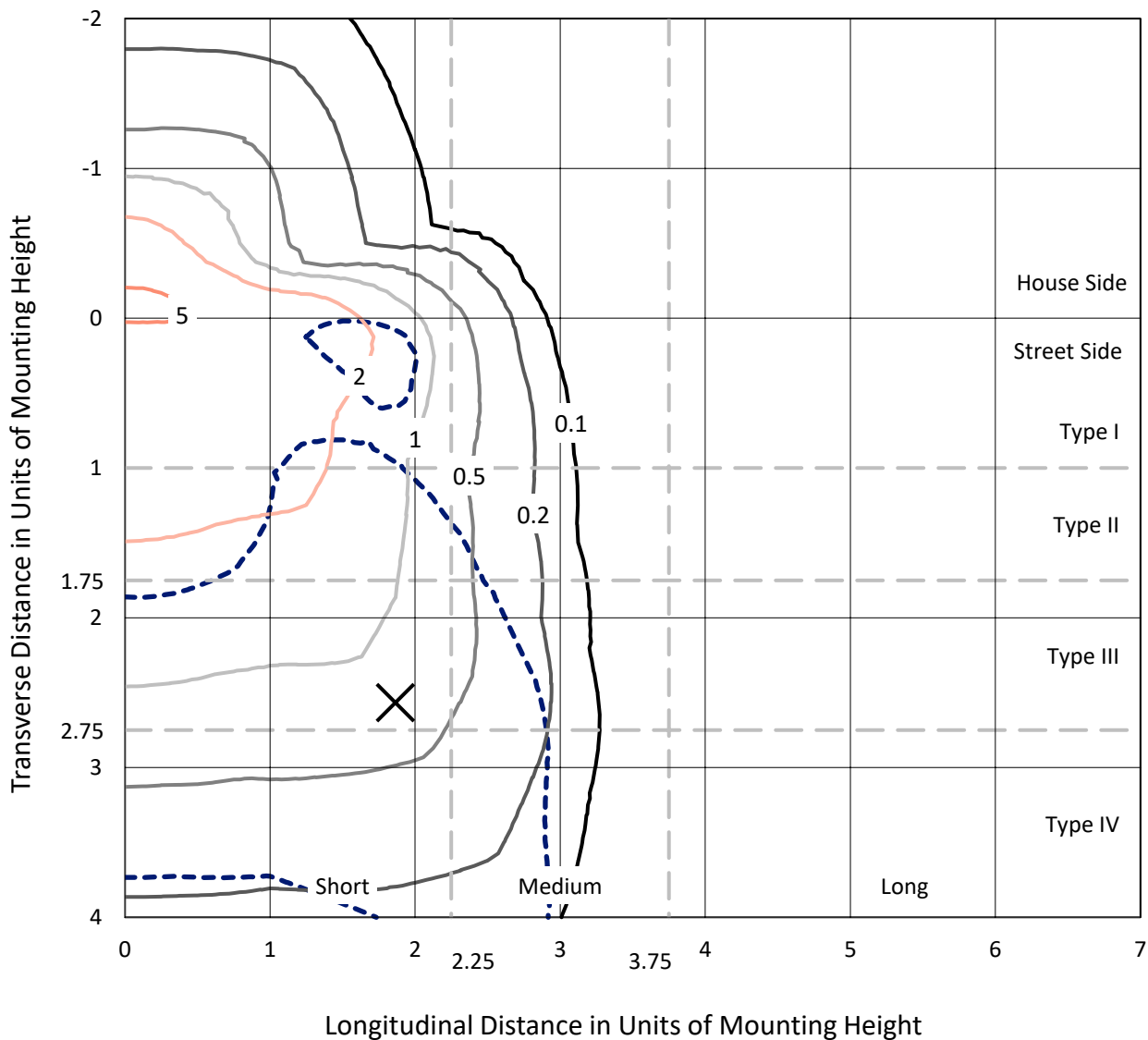
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

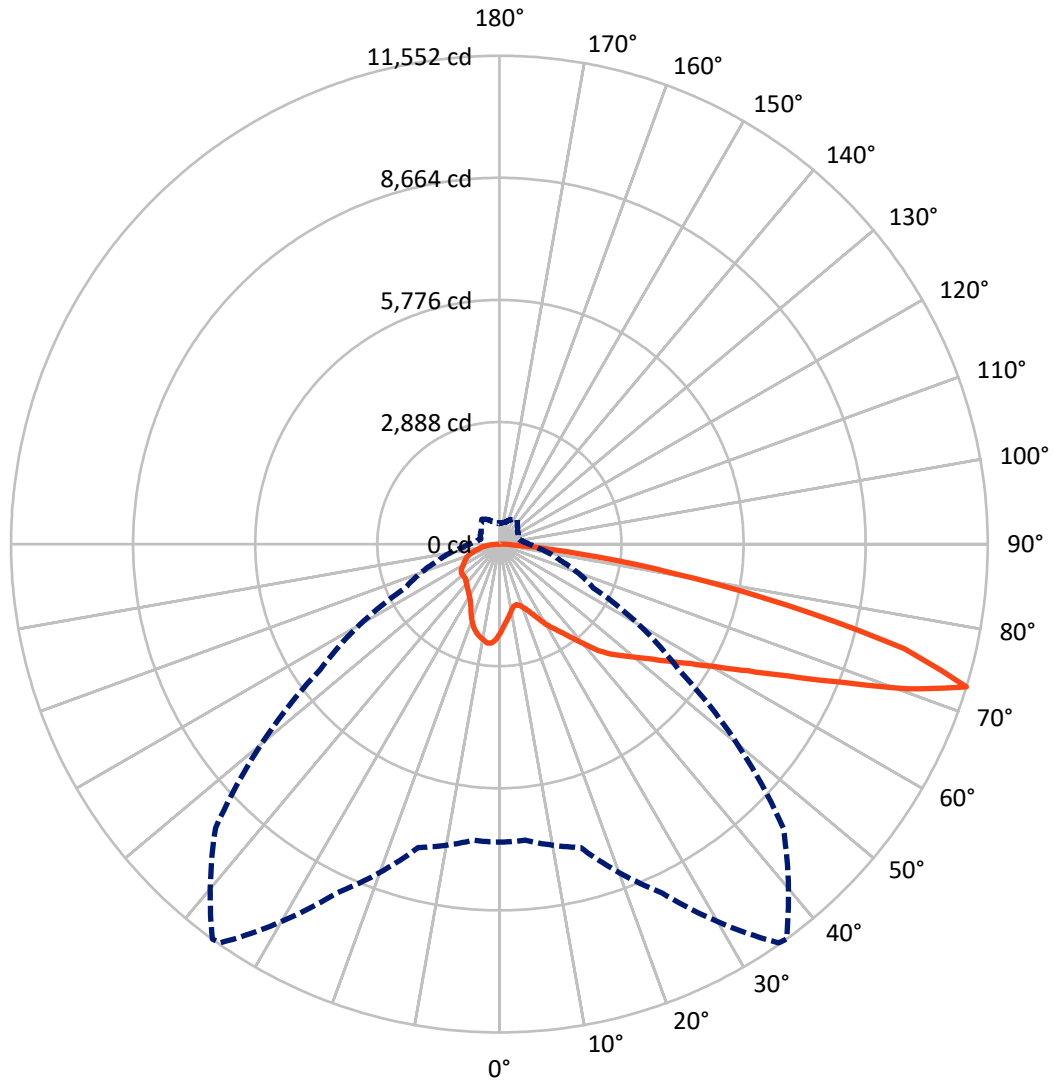
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 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	3323.6	0.0	3323.6
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	11093.0	0.0	11093.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	14416.6	0.0	14416.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.2	1.4
10°-20°	556.4	3.9
20°-30°	921.5	6.4
30°-40°	1380.1	9.6
40°-50°	2013.4	14.0
50°-60°	2865.7	19.9
60°-70°	3620.6	25.1
70°-80°	2580.0	17.9
80°-90°	281.6	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°	14416.6	100.0
0°-180°	14416.6	100.0

Coefficient of Utilization



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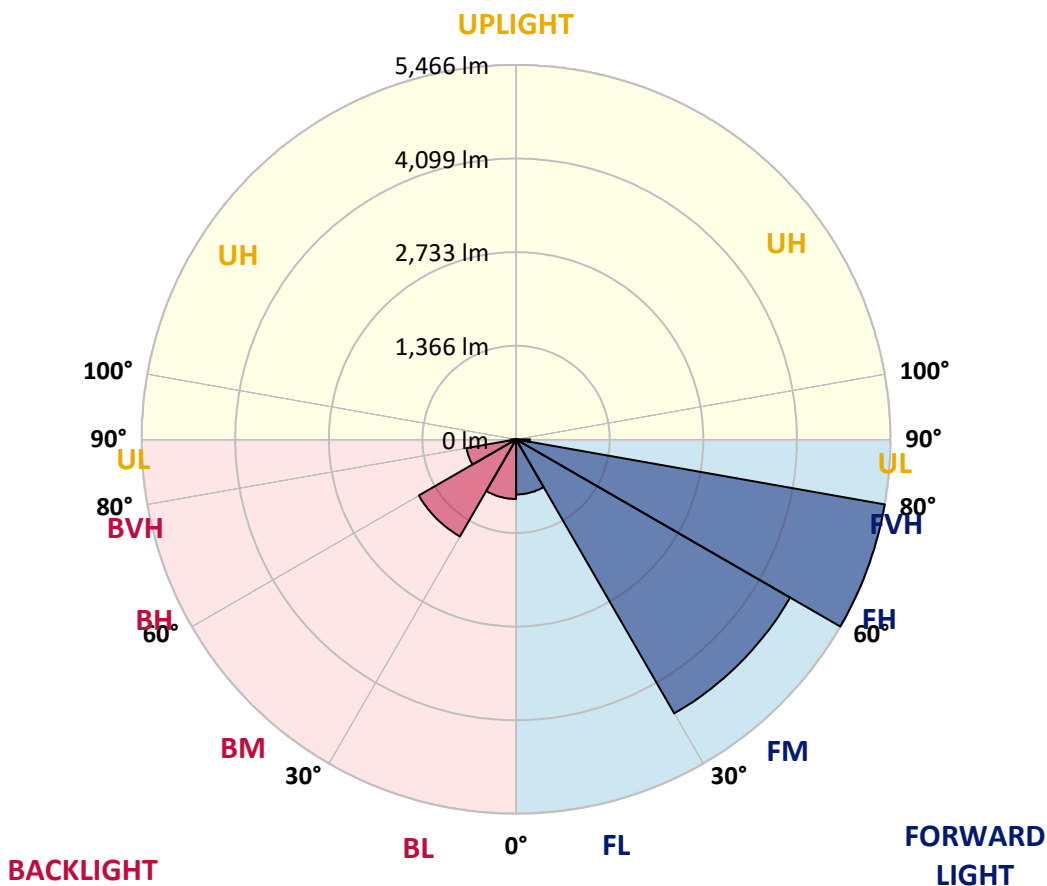
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	804.8	5.6			
FM (30°-60°)	4620.2	32.0			
FH (60°-80°)	5465.8	37.9			G3/7500
FVH (80°-90°)	202.2	1.4			G2/225
BL (0°-30°)	870.4	6.0	B2/1000		
BM (30°-60°)	1639.0	11.4	B2/2500		
BH (60°-80°)	734.8	5.1	B2/1000		G2/1000
BVH (80°-90°)	79.5	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°	2109.9	2109.9	2109.9	2109.9	2109.9	2109.9	2109.9	2109.9	2109.9	2109.9	2109.9
2.5°	1924.8	1921.6	1915.2	1934.5	1953.7	1951.6	1978.3	2004.0	2031.8	2060.7	2099.2
5°	1770.8	1768.6	1763.3	1792.2	1821.0	1820.0	1863.8	1905.6	1962.3	2024.3	2101.4
7.5°	1616.7	1611.3	1618.8	1655.2	1695.9	1700.1	1760.1	1828.5	1910.9	2004.0	2113.1
10°	1480.8	1479.7	1482.9	1523.6	1584.6	1588.9	1665.9	1761.1	1870.3	1994.4	2139.9
12.5°	1445.5	1443.4	1434.8	1455.1	1501.1	1507.6	1592.1	1708.7	1842.4	1999.7	2176.3
15°	1503.3	1497.9	1468.0	1458.3	1480.8	1486.2	1557.8	1677.7	1826.4	2009.4	2222.3
17.5°	1602.8	1599.6	1542.9	1503.3	1518.3	1522.5	1576.0	1672.3	1822.1	2028.6	2279.0
20°	1748.3	1734.4	1645.6	1585.7	1585.7	1592.1	1624.2	1695.9	1827.5	2052.2	2343.2
22.5°	1940.9	1913.1	1787.9	1706.6	1685.2	1693.7	1707.6	1754.7	1849.9	2091.7	2423.4
25°	2157.0	2131.3	1982.6	1868.1	1838.2	1841.4	1829.6	1838.2	1899.2	2146.3	2522.9
27.5°	2387.1	2369.9	2211.6	2066.1	2019.0	2019.0	1977.3	1956.9	1967.6	2208.4	2634.2
30°	2592.5	2568.9	2435.2	2275.8	2213.7	2213.7	2134.5	2090.7	2065.0	2284.3	2782.9
32.5°	2700.5	2686.6	2597.8	2475.9	2399.9	2388.1	2319.6	2268.3	2208.4	2396.7	2984.1
35°	2841.8	2838.6	2785.1	2689.8	2593.5	2576.4	2529.4	2488.7	2384.9	2536.8	3251.6
37.5°	3019.4	3014.0	3005.5	2948.8	2833.2	2830.0	2788.3	2739.1	2604.2	2739.1	3575.8
40°	3218.4	3208.8	3198.1	3197.0	3127.5	3115.7	3112.5	3056.8	2868.5	2983.0	3913.9
42.5°	3492.3	3459.1	3358.6	3403.5	3454.9	3444.2	3484.8	3401.4	3198.1	3273.0	4233.8
45°	3829.3	3748.0	3549.0	3561.9	3691.3	3712.7	3853.9	3833.6	3560.8	3607.9	4570.8
47.5°	4031.6	3960.9	3775.8	3765.1	3926.7	3953.5	4260.5	4299.0	3951.3	4011.2	4987.0
50°	4197.4	4148.2	3996.2	4011.2	4182.4	4209.2	4663.9	4746.3	4319.4	4424.2	5470.6
52.5°	4397.5	4326.9	4209.2	4279.8	4489.5	4521.6	5112.2	5201.0	4651.1	4877.9	5971.4
55°	4509.8	4480.9	4483.1	4591.1	4854.3	4898.2	5581.9	5566.9	4954.9	5266.3	6348.0
57.5°	4768.8	4758.1	4856.5	4897.1	5280.2	5336.9	6051.6	5923.2	5231.0	5566.9	6528.8
60°	5225.6	5198.9	5284.5	5346.5	5806.6	5886.8	6575.9	6272.0	5418.2	5790.5	6467.8
62.5°	5867.6	5834.4	5837.6	5936.1	6511.7	6596.2	7159.0	6563.1	5476.0	5824.8	6081.6
65°	6665.8	6617.6	6563.1	6696.8	7447.9	7518.5	7793.5	6774.9	5338.0	5495.2	5274.8
67.5°	7507.8	7468.2	7404.0	7684.4	8660.1	8702.9	8505.0	6756.7	4900.4	4613.6	3699.9
70°	7557.0	7566.7	7870.5	8884.8	10242.6	10253.3	9178.0	6390.8	3968.4	2990.5	1843.5
72.5°	7049.9	7033.8	7429.7	9104.2	11515.8	11552.2	9495.8	5177.5	2452.3	1491.5	864.5
75°	5726.4	5754.2	6170.4	7965.7	9870.3	9902.4	7741.1	3052.6	1165.2	729.7	553.2
77.5°	2465.2	2620.3	3440.9	5611.9	7069.1	6969.6	3989.8	1236.9	621.6	520.0	423.7
80°	711.5	772.5	1226.2	2668.4	4235.9	4161.0	1579.2	463.3	433.3	390.5	303.9
82.5°	230.0	254.6	449.4	1062.5	1898.1	1895.9	599.2	273.9	283.5	265.3	195.8
85°	64.2	73.8	138.0	322.1	587.4	575.6	173.3	129.5	150.9	153.0	97.4
87.5°	0.0	0.0	1.1	2.1	2.1	2.1	4.3	19.3	43.9	55.6	39.6
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°	2109.9	2109.9	2109.9	2109.9	2109.9	2109.9	2109.9	2109.9	2109.9	2109.9	2109.9
2.5°	2122.8	2119.6	2163.4	2197.7	2229.8	2251.2	2257.6	2261.9	2270.4	2274.7	2270.4
5°	2137.8	2153.8	2226.6	2280.1	2322.9	2348.5	2349.6	2347.5	2353.9	2348.5	2345.3
7.5°	2169.9	2200.9	2292.9	2349.6	2377.4	2378.5	2352.8	2322.9	2307.9	2295.0	2290.8
10°	2212.6	2258.7	2359.2	2396.7	2388.1	2348.5	2291.8	2244.7	2218.0	2198.7	2194.5
12.5°	2271.5	2322.9	2418.1	2417.0	2363.5	2292.9	2226.6	2169.9	2131.3	2108.9	2101.4
15°	2327.1	2392.4	2460.9	2410.6	2326.1	2240.5	2154.9	2078.9	2027.5	1992.2	1985.8
17.5°	2395.6	2465.2	2491.9	2390.3	2279.0	2168.8	2054.3	1954.8	1885.2	1843.5	1840.3
20°	2474.8	2536.8	2506.9	2355.0	2218.0	2073.6	1918.4	1807.1	1732.2	1691.6	1694.8
22.5°	2566.8	2611.7	2511.2	2306.8	2133.5	1938.7	1765.4	1658.4	1608.1	1586.7	1587.8
25°	2665.2	2694.1	2503.7	2241.5	2004.0	1774.0	1608.1	1558.9	1554.6	1549.3	1551.4
27.5°	2781.9	2775.4	2481.2	2149.5	1829.6	1582.5	1497.9	1510.8	1527.9	1525.7	1527.9
30°	2938.1	2877.1	2452.3	2022.2	1622.0	1422.0	1432.7	1469.0	1491.5	1493.6	1500.1
32.5°	3116.8	2989.4	2406.3	1848.9	1424.1	1332.1	1371.7	1415.5	1442.3	1447.6	1456.2
35°	3329.7	3117.8	2325.0	1632.7	1281.8	1278.6	1315.0	1344.9	1373.8	1376.0	1376.0
37.5°	3574.7	3246.2	2195.5	1394.1	1194.1	1232.6	1266.8	1273.2	1280.7	1274.3	1277.5
40°	3799.4	3370.3	2011.5	1176.9	1122.4	1191.9	1220.8	1199.4	1175.9	1159.8	1163.0
42.5°	3987.7	3454.9	1767.6	1025.0	1049.6	1155.5	1178.0	1134.1	1088.1	1058.2	1062.5
45°	4199.5	3533.0	1480.8	922.3	987.6	1129.9	1144.8	1088.1	1029.3	984.4	977.9
47.5°	4491.6	3692.4	1226.2	850.6	943.7	1116.0	1140.6	1063.5	986.5	919.1	911.6
50°	4852.2	3918.1	1013.2	803.5	923.4	1108.5	1139.5	1036.8	944.8	865.6	860.2
52.5°	5245.9	4138.6	856.0	767.2	903.0	1086.0	1134.1	1006.8	900.9	815.3	808.9
55°	5508.1	4225.2	750.0	732.9	869.9	1050.7	1112.7	977.9	834.6	756.5	746.8
57.5°	5585.1	4113.9	676.2	701.9	827.1	1001.5	1072.1	916.9	793.9	731.8	724.4
60°	5452.4	3833.6	630.2	676.2	780.0	938.3	1001.5	881.6	761.8	706.2	700.8
62.5°	5078.0	3401.4	594.9	649.5	731.8	872.0	956.5	838.8	726.5	682.6	675.1
65°	4324.7	2789.3	566.0	621.6	685.8	808.9	907.3	796.0	688.0	654.8	646.2
67.5°	3024.7	1959.1	535.0	588.5	639.8	747.9	856.0	756.5	648.4	623.8	615.2
70°	1478.7	1038.9	497.5	550.0	590.6	685.8	804.6	708.3	596.0	582.1	570.3
72.5°	704.0	581.0	453.7	497.5	523.2	603.4	719.0	638.8	533.9	503.9	483.6
75°	471.8	413.0	395.9	435.5	441.9	506.1	616.3	551.0	470.8	436.5	419.4
77.5°	357.4	315.6	332.8	368.1	355.2	416.2	507.2	491.1	424.8	393.7	385.2
80°	251.4	230.0	264.3	285.7	276.0	354.2	456.9	420.5	349.9	315.6	309.2
82.5°	158.4	154.1	194.7	197.9	201.1	280.3	375.6	330.6	271.8	223.6	207.6
85°	79.2	87.7	116.6	116.6	115.6	144.4	214.0	186.2	146.6	116.6	113.4
87.5°	26.7	37.4	50.3	40.7	31.0	24.6	27.8	34.2	36.4	35.3	35.3
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)