

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: P633115

Luminaire Tested: GWS-SA2E-722-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633115
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-722-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10381.3 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

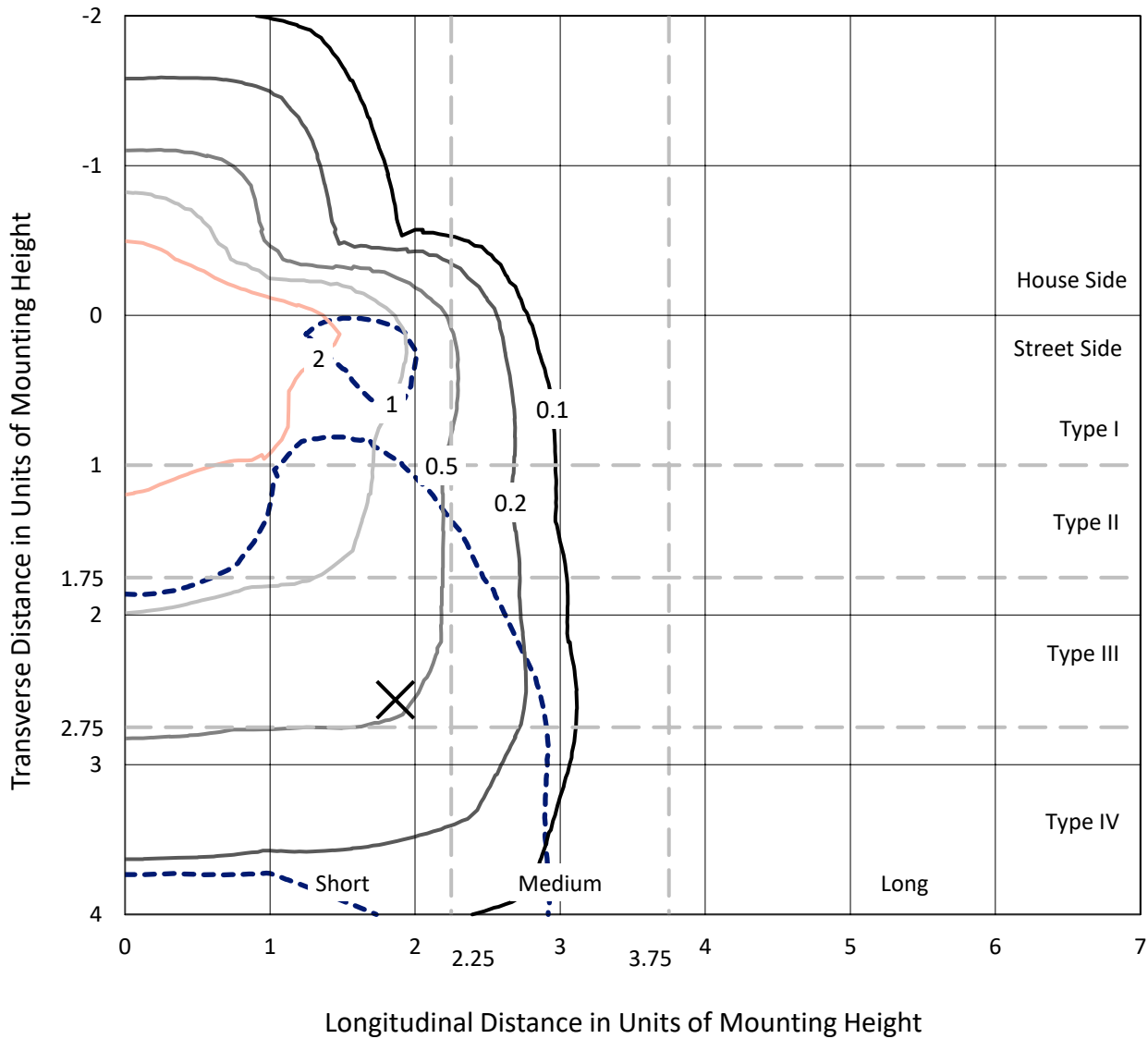
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

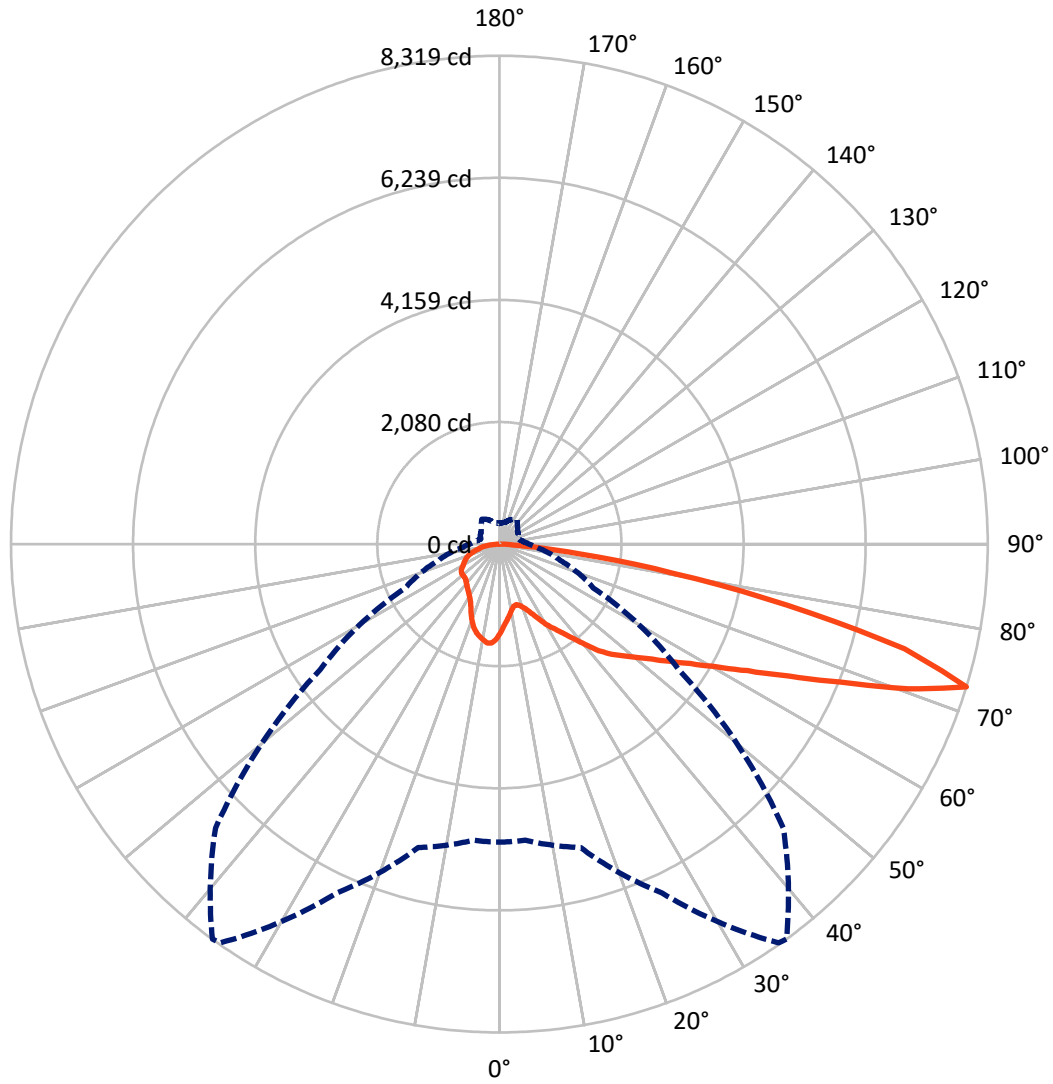
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4 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	2393.3	0.0	2393.3
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	7988.0	0.0	7988.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	10381.3	0.0	10381.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.0	1.4
10°-20°	400.7	3.9
20°-30°	663.6	6.4
30°-40°	993.8	9.6
40°-50°	1449.8	14.0
50°-60°	2063.6	19.9
60°-70°	2607.2	25.1
70°-80°	1857.8	17.9
80°-90°	202.8	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°	10381.3	100.0
0°-180°	10381.3	100.0

Coefficient of Utilization



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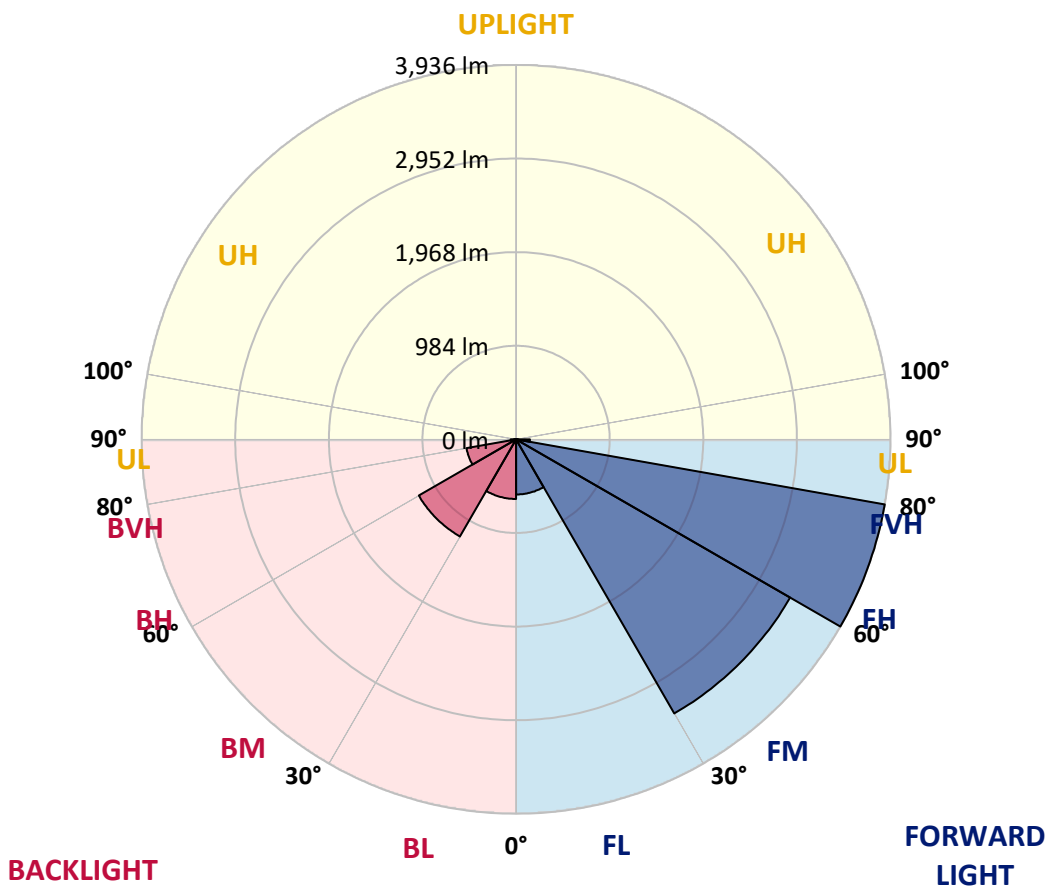
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	579.6	5.6			
FM (30°-60°)	3326.9	32.0			
FH (60°-80°)	3935.9	37.9			G2/5000
FVH (80°-90°)	145.6	1.4			G2/225
BL (0°-30°)	626.7	6.0	B2/1000		
BM (30°-60°)	1180.3	11.4	B2/2500		
BH (60°-80°)	529.1	5.1	B2/1000		G2/1000
BVH (80°-90°)	57.2	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1519.3	1519.3	1519.3	1519.3	1519.3	1519.3	1519.3	1519.3	1519.3	1519.3	1519.3
2.5°	1386.1	1383.7	1379.1	1393.0	1406.9	1405.3	1424.6	1443.1	1463.1	1483.9	1511.6
5°	1275.1	1273.6	1269.7	1290.5	1311.3	1310.6	1342.1	1372.2	1413.0	1457.7	1513.2
7.5°	1164.2	1160.3	1165.7	1191.9	1221.2	1224.3	1267.4	1316.7	1376.0	1443.1	1521.7
10°	1066.3	1065.5	1067.9	1097.1	1141.1	1144.1	1199.6	1268.2	1346.8	1436.1	1540.9
12.5°	1040.9	1039.4	1033.2	1047.8	1081.0	1085.6	1146.4	1230.4	1326.7	1440.0	1567.1
15°	1082.5	1078.6	1057.1	1050.1	1066.3	1070.2	1121.8	1208.1	1315.2	1446.9	1600.2
17.5°	1154.2	1151.8	1111.0	1082.5	1093.3	1096.4	1134.9	1204.2	1312.1	1460.8	1641.1
20°	1258.9	1248.9	1185.0	1141.8	1141.8	1146.4	1169.6	1221.2	1315.9	1477.7	1687.3
22.5°	1397.6	1377.6	1287.4	1228.9	1213.5	1219.6	1229.7	1263.6	1332.1	1506.3	1745.1
25°	1553.3	1534.8	1427.7	1345.2	1323.7	1326.0	1317.5	1323.7	1367.6	1545.5	1816.7
27.5°	1718.9	1706.6	1592.5	1487.8	1453.9	1453.9	1423.8	1409.2	1416.9	1590.2	1896.9
30°	1866.8	1849.9	1753.6	1638.8	1594.1	1594.1	1537.1	1505.5	1487.0	1644.9	2004.0
32.5°	1944.6	1934.6	1870.7	1782.8	1728.1	1719.7	1670.4	1633.4	1590.2	1725.8	2148.8
35°	2046.3	2044.0	2005.5	1936.9	1867.6	1855.3	1821.4	1792.1	1717.4	1826.8	2341.4
37.5°	2174.2	2170.4	2164.2	2123.4	2040.2	2037.9	2007.8	1972.4	1875.3	1972.4	2574.9
40°	2317.5	2310.6	2302.9	2302.1	2252.1	2243.6	2241.3	2201.2	2065.6	2148.0	2818.3
42.5°	2514.8	2490.9	2418.5	2450.8	2487.8	2480.1	2509.4	2449.3	2302.9	2356.8	3048.7
45°	2757.5	2698.9	2555.6	2564.9	2658.1	2673.5	2775.2	2760.6	2564.1	2598.0	3291.4
47.5°	2903.1	2852.2	2719.0	2711.3	2827.6	2846.9	3068.0	3095.7	2845.3	2888.5	3591.1
50°	3022.5	2987.1	2877.7	2888.5	3011.7	3031.0	3358.4	3417.8	3110.4	3185.9	3939.4
52.5°	3166.6	3115.7	3031.0	3081.8	3232.9	3256.0	3681.3	3745.2	3349.2	3512.5	4299.9
55°	3247.5	3226.7	3228.2	3306.0	3495.6	3527.2	4019.5	4008.7	3568.0	3792.2	4571.1
57.5°	3433.9	3426.2	3497.1	3526.4	3802.2	3843.1	4357.7	4265.3	3766.8	4008.7	4701.4
60°	3762.9	3743.7	3805.3	3850.0	4181.3	4239.1	4735.3	4516.4	3901.6	4169.7	4657.4
62.5°	4225.2	4201.3	4203.6	4274.5	4689.0	4749.9	5155.2	4726.0	3943.2	4194.4	4379.3
65°	4800.0	4765.3	4726.0	4822.3	5363.2	5414.0	5612.0	4878.6	3843.8	3957.1	3798.4
67.5°	5406.3	5377.8	5331.6	5533.5	6236.1	6266.9	6124.4	4865.5	3528.7	3322.2	2664.3
70°	5441.8	5448.7	5667.5	6397.9	7375.6	7383.3	6609.0	4602.0	2857.6	2153.4	1327.5
72.5°	5076.6	5065.0	5350.1	6555.9	8292.5	8318.7	6837.8	3728.3	1765.9	1074.0	622.5
75°	4123.5	4143.5	4443.3	5736.1	7107.5	7130.6	5574.3	2198.1	839.0	525.5	398.3
77.5°	1775.1	1886.9	2477.8	4041.1	5090.4	5018.8	2873.1	890.7	447.6	374.4	305.1
80°	512.4	556.3	882.9	1921.5	3050.3	2996.3	1137.2	333.6	312.0	281.2	218.8
82.5°	165.6	183.4	323.6	765.1	1366.8	1365.3	431.5	197.2	204.2	191.1	141.0
85°	46.2	53.2	99.4	231.9	423.0	414.5	124.8	93.2	108.6	110.2	70.1
87.5°	0.0	0.0	0.8	1.5	1.5	1.5	3.1	13.9	31.6	40.1	28.5
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°	1519.3	1519.3	1519.3	1519.3	1519.3	1519.3	1519.3	1519.3	1519.3	1519.3	1519.3
2.5°	1528.6	1526.3	1557.9	1582.5	1605.6	1621.1	1625.7	1628.8	1634.9	1638.0	1634.9
5°	1539.4	1550.9	1603.3	1641.9	1672.7	1691.2	1691.9	1690.4	1695.0	1691.2	1688.9
7.5°	1562.5	1584.8	1651.1	1691.9	1712.0	1712.7	1694.2	1672.7	1661.9	1652.6	1649.6
10°	1593.3	1626.4	1698.9	1725.8	1719.7	1691.2	1650.3	1616.4	1597.2	1583.3	1580.2
12.5°	1635.7	1672.7	1741.2	1740.5	1701.9	1651.1	1603.3	1562.5	1534.8	1518.6	1513.2
15°	1675.8	1722.8	1772.1	1735.8	1675.0	1613.3	1551.7	1497.0	1460.0	1434.6	1430.0
17.5°	1725.1	1775.1	1794.4	1721.2	1641.1	1561.7	1479.3	1407.6	1357.6	1327.5	1325.2
20°	1782.1	1826.8	1805.2	1695.8	1597.2	1493.2	1381.4	1301.3	1247.4	1218.1	1220.4
22.5°	1848.3	1880.7	1808.3	1661.1	1536.3	1396.1	1271.3	1194.2	1158.0	1142.6	1143.4
25°	1919.2	1940.0	1802.9	1614.1	1443.1	1277.4	1158.0	1122.6	1119.5	1115.6	1117.2
27.5°	2003.2	1998.6	1786.7	1547.9	1317.5	1139.5	1078.6	1087.9	1100.2	1098.7	1100.2
30°	2115.7	2071.8	1765.9	1456.2	1168.0	1023.9	1031.6	1057.8	1074.0	1075.6	1080.2
32.5°	2244.4	2152.7	1732.8	1331.4	1025.5	959.2	987.7	1019.3	1038.6	1042.4	1048.6
35°	2397.7	2245.1	1674.2	1175.7	923.0	920.7	946.9	968.5	989.3	990.8	990.8
37.5°	2574.1	2337.6	1581.0	1003.9	859.8	887.6	912.2	916.8	922.2	917.6	919.9
40°	2735.9	2427.0	1448.5	847.5	808.2	858.3	879.1	863.7	846.7	835.2	837.5
42.5°	2871.5	2487.8	1272.8	738.1	755.8	832.1	848.3	816.7	783.6	762.0	765.1
45°	3024.1	2544.1	1066.3	664.1	711.1	813.6	824.4	783.6	741.2	708.8	704.2
47.5°	3234.4	2658.9	882.9	612.5	679.5	803.6	821.3	765.8	710.4	661.8	656.4
50°	3494.0	2821.4	729.6	578.6	664.9	798.2	820.5	746.6	680.3	623.3	619.5
52.5°	3777.6	2980.1	616.4	552.4	650.3	782.0	816.7	725.0	648.7	587.1	582.5
55°	3966.3	3042.6	540.1	527.8	626.4	756.6	801.3	704.2	601.0	544.7	537.8
57.5°	4021.8	2962.4	486.9	505.4	595.6	721.2	772.0	660.3	571.7	527.0	521.6
60°	3926.3	2760.6	453.8	486.9	561.7	675.7	721.2	634.9	548.6	508.5	504.7
62.5°	3656.6	2449.3	428.4	467.7	527.0	627.9	688.8	604.0	523.1	491.6	486.2
65°	3114.2	2008.6	407.6	447.6	493.9	582.5	653.4	573.2	495.4	471.5	465.4
67.5°	2178.1	1410.7	385.2	423.8	460.7	538.6	616.4	544.7	466.9	449.2	443.0
70°	1064.8	748.1	358.3	396.0	425.3	493.9	579.4	510.0	429.1	419.1	410.7
72.5°	507.0	418.4	326.7	358.3	376.8	434.5	517.8	460.0	384.5	362.9	348.2
75°	339.8	297.4	285.1	313.6	318.2	364.4	443.8	396.8	339.0	314.3	302.0
77.5°	257.3	227.3	239.6	265.0	255.8	299.7	365.2	353.6	305.9	283.5	277.4
80°	181.1	165.6	190.3	205.7	198.8	255.0	329.0	302.8	251.9	227.3	222.7
82.5°	114.0	110.9	140.2	142.5	144.8	201.9	270.4	238.1	195.7	161.0	149.5
85°	57.0	63.2	84.0	84.0	83.2	104.0	154.1	134.1	105.6	84.0	81.7
87.5°	19.3	27.0	36.2	29.3	22.3	17.7	20.0	24.7	26.2	25.4	25.4
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)