

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: P634325

Luminaire Tested: GWS-SA3B-740-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634325
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-SA3B-740-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10046.9 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

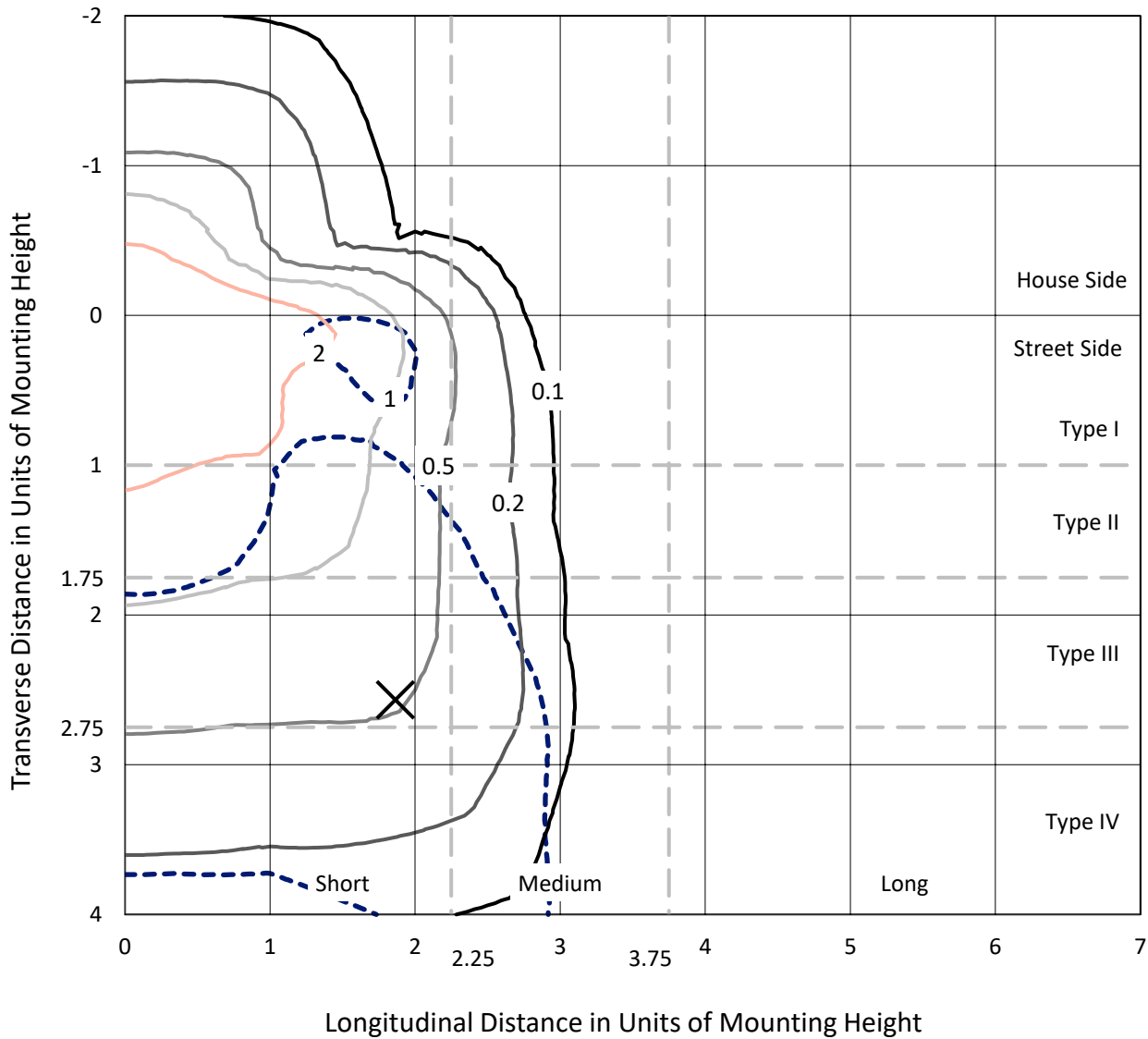
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

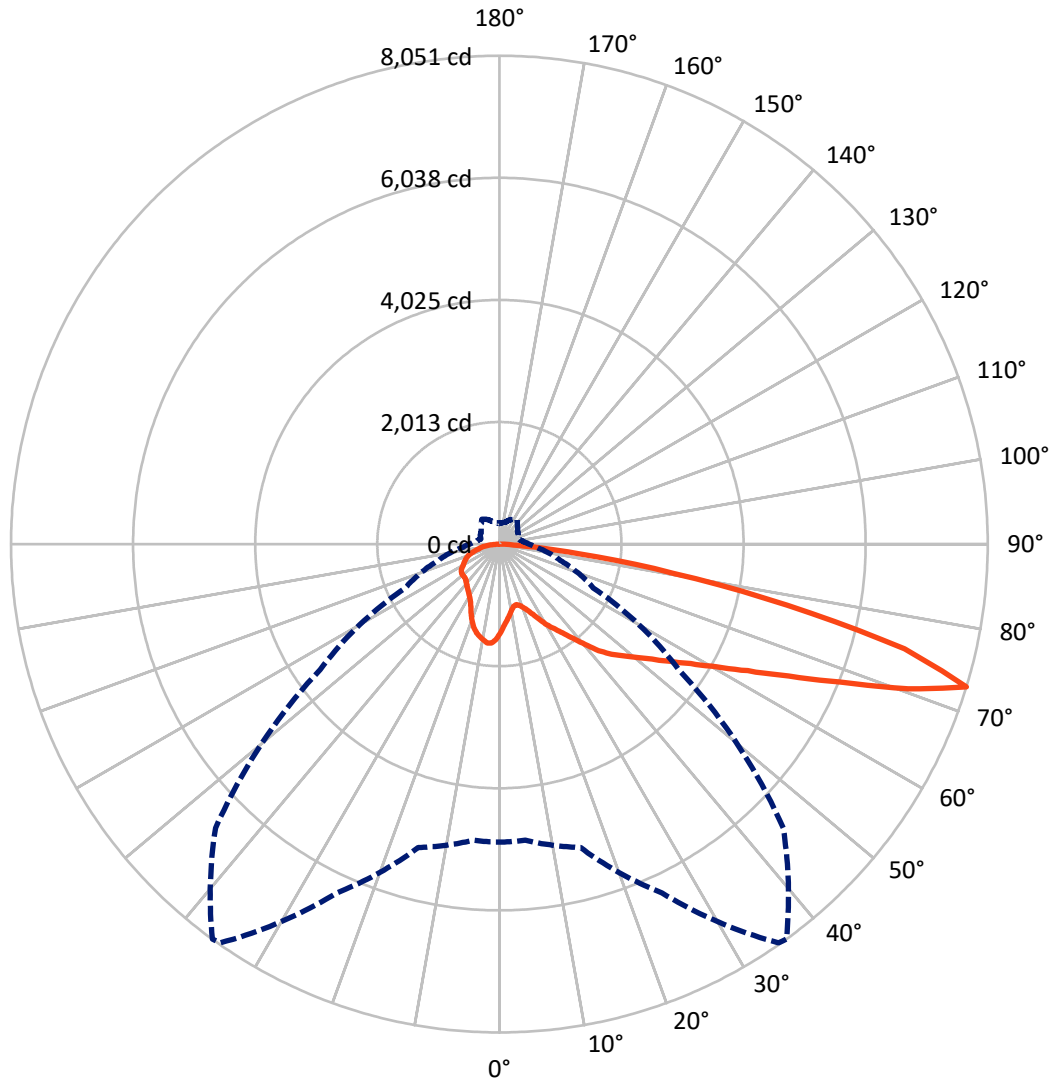
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 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	2316.2	0.0	2316.2
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	7730.7	0.0	7730.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	10046.9	0.0	10046.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.4	1.4
10°-20°	387.8	3.9
20°-30°	642.2	6.4
30°-40°	961.8	9.6
40°-50°	1403.1	14.0
50°-60°	1997.1	19.9
60°-70°	2523.2	25.1
70°-80°	1798.0	17.9
80°-90°	196.3	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°	10046.9	100.0
0°-180°	10046.9	100.0

Coefficient of Utilization



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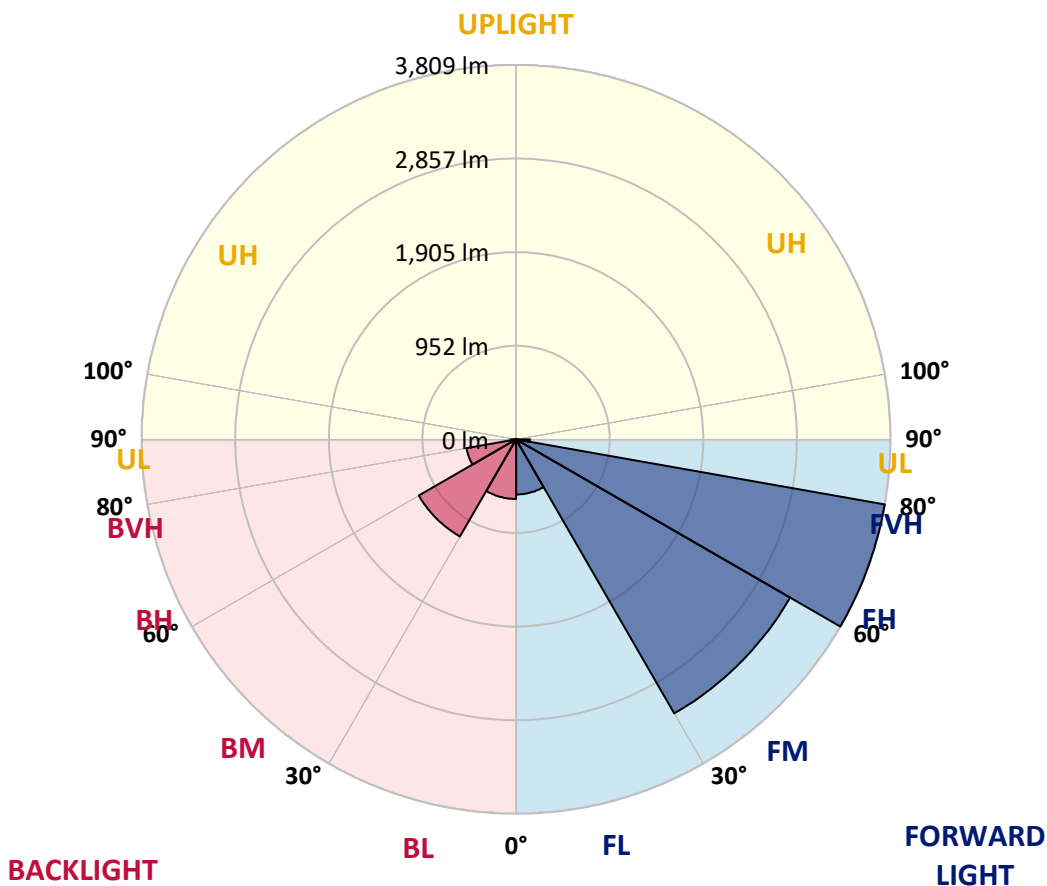
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	560.9	5.6			
FM (30°-60°)	3219.8	32.0			
FH (60°-80°)	3809.1	37.9			G2/5000
FVH (80°-90°)	140.9	1.4			G2/225
BL (0°-30°)	606.5	6.0	B2/1000		
BM (30°-60°)	1142.2	11.4	B2/2500		
BH (60°-80°)	512.1	5.1	B2/1000		G2/1000
BVH (80°-90°)	55.4	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°	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4
2.5°	1341.4	1339.2	1334.7	1348.1	1361.5	1360.1	1378.7	1396.6	1416.0	1436.1	1463.0
5°	1234.0	1232.5	1228.8	1249.0	1269.1	1268.3	1298.9	1328.0	1367.5	1410.8	1464.4
7.5°	1126.7	1122.9	1128.2	1153.5	1181.8	1184.8	1226.6	1274.3	1331.7	1396.6	1472.6
10°	1032.0	1031.2	1033.5	1061.8	1104.3	1107.3	1161.0	1227.3	1303.4	1389.9	1491.3
12.5°	1007.4	1005.9	999.9	1014.1	1046.1	1050.6	1109.5	1190.8	1284.0	1393.6	1516.6
15°	1047.6	1043.9	1023.0	1016.3	1032.0	1035.7	1085.7	1169.2	1272.8	1400.3	1548.7
17.5°	1117.0	1114.7	1075.2	1047.6	1058.1	1061.1	1098.3	1165.4	1269.8	1413.7	1588.2
20°	1218.4	1208.7	1146.8	1105.0	1105.0	1109.5	1131.9	1181.8	1273.6	1430.1	1633.0
22.5°	1352.6	1333.2	1246.0	1189.3	1174.4	1180.4	1190.0	1222.9	1289.2	1457.7	1688.9
25°	1503.2	1485.3	1381.7	1301.9	1281.0	1283.3	1275.1	1281.0	1323.5	1495.8	1758.2
27.5°	1663.5	1651.6	1541.2	1439.8	1407.0	1407.0	1377.9	1363.8	1371.2	1539.0	1835.8
30°	1806.7	1790.3	1697.1	1586.0	1542.7	1542.7	1487.6	1457.0	1439.1	1591.9	1939.4
32.5°	1882.0	1872.3	1810.4	1725.4	1672.5	1664.3	1616.6	1580.8	1539.0	1670.2	2079.6
35°	1980.4	1978.2	1940.9	1874.5	1807.4	1795.5	1762.7	1734.4	1662.0	1767.9	2266.0
37.5°	2104.2	2100.5	2094.5	2055.0	1974.5	1972.2	1943.1	1908.8	1814.9	1908.8	2491.9
40°	2242.9	2236.2	2228.7	2228.0	2179.5	2171.3	2169.1	2130.3	1999.1	2078.9	2727.6
42.5°	2433.8	2410.7	2340.6	2371.9	2407.7	2400.2	2428.6	2370.4	2228.7	2280.9	2950.5
45°	2668.7	2612.0	2473.3	2482.2	2572.5	2587.4	2685.8	2671.6	2481.5	2514.3	3185.4
47.5°	2809.6	2760.4	2631.4	2623.9	2736.5	2755.2	2969.2	2996.0	2753.7	2795.4	3475.4
50°	2925.2	2890.9	2785.0	2795.4	2914.7	2933.4	3250.3	3307.7	3010.2	3083.2	3812.5
52.5°	3064.6	3015.4	2933.4	2982.6	3128.7	3151.1	3562.7	3624.6	3241.3	3399.4	4161.4
55°	3142.9	3122.8	3124.2	3199.6	3383.0	3413.6	3890.0	3879.6	3453.1	3670.1	4423.9
57.5°	3323.3	3315.9	3384.5	3412.8	3679.8	3719.3	4217.4	4127.9	3645.5	3879.6	4549.9
60°	3641.7	3623.1	3682.7	3726.0	4046.6	4102.5	4582.7	4371.0	3775.9	4035.4	4507.4
62.5°	4089.1	4066.0	4068.2	4136.8	4538.0	4596.9	4989.1	4573.8	3816.2	4059.3	4238.2
65°	4645.4	4611.8	4573.8	4667.0	5190.4	5239.6	5431.3	4721.4	3720.0	3829.6	3676.0
67.5°	5232.2	5204.6	5159.9	5355.2	6035.2	6065.1	5927.1	4708.7	3415.0	3215.2	2578.4
70°	5266.5	5273.2	5485.0	6191.8	7138.0	7145.5	6396.1	4453.7	2765.6	2084.1	1284.7
72.5°	4913.0	4901.9	5177.7	6344.7	8025.4	8050.7	6617.6	3608.2	1709.0	1039.4	602.5
75°	3990.7	4010.1	4300.1	5551.3	6878.6	6900.9	5394.7	2127.3	812.0	508.5	385.5
77.5°	1718.0	1826.1	2398.0	3910.9	4926.5	4857.1	2780.5	862.0	433.2	362.4	295.3
80°	495.9	538.4	854.5	1859.6	2952.0	2899.8	1100.6	322.9	302.0	272.2	211.8
82.5°	160.3	177.5	313.2	740.4	1322.8	1321.3	417.6	190.9	197.6	184.9	136.5
85°	44.7	51.4	96.2	224.4	409.4	401.2	120.8	90.2	105.1	106.6	67.9
87.5°	0.0	0.0	0.7	1.5	1.5	1.5	3.0	13.4	30.6	38.8	27.6
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°	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4
2.5°	1479.4	1477.1	1507.7	1531.6	1553.9	1568.8	1573.3	1576.3	1582.3	1585.2	1582.3
5°	1489.8	1501.0	1551.7	1589.0	1618.8	1636.7	1637.4	1635.9	1640.4	1636.7	1634.5
7.5°	1512.2	1533.8	1597.9	1637.4	1656.8	1657.6	1639.7	1618.8	1608.4	1599.4	1596.4
10°	1542.0	1574.1	1644.1	1670.2	1664.3	1636.7	1597.2	1564.4	1545.7	1532.3	1529.3
12.5°	1583.0	1618.8	1685.2	1684.4	1647.1	1597.9	1551.7	1512.2	1485.3	1469.7	1464.4
15°	1621.8	1667.3	1715.0	1679.9	1621.0	1561.4	1501.7	1448.8	1413.0	1388.4	1383.9
17.5°	1669.5	1718.0	1736.6	1665.8	1588.2	1511.4	1431.6	1362.3	1313.8	1284.7	1282.5
20°	1724.7	1767.9	1747.0	1641.2	1545.7	1445.1	1336.9	1259.4	1207.2	1178.9	1181.1
22.5°	1788.8	1820.1	1750.0	1607.6	1486.8	1351.1	1230.3	1155.7	1120.7	1105.8	1106.5
25°	1857.4	1877.5	1744.8	1562.1	1396.6	1236.3	1120.7	1086.4	1083.4	1079.7	1081.2
27.5°	1938.7	1934.2	1729.1	1498.0	1275.1	1102.8	1043.9	1052.8	1064.8	1063.3	1064.8
30°	2047.5	2005.0	1709.0	1409.3	1130.4	991.0	998.4	1023.8	1039.4	1040.9	1045.4
32.5°	2172.1	2083.3	1677.0	1288.5	992.5	928.3	955.9	986.5	1005.1	1008.9	1014.8
35°	2320.4	2172.8	1620.3	1137.9	893.3	891.0	916.4	937.3	957.4	958.9	958.9
37.5°	2491.2	2262.3	1530.1	971.6	832.1	859.0	882.8	887.3	892.5	888.1	890.3
40°	2647.8	2348.8	1401.8	820.2	782.2	830.6	850.8	835.9	819.5	808.3	810.5
42.5°	2779.0	2407.7	1231.8	714.3	731.5	805.3	821.0	790.4	758.3	737.4	740.4
45°	2926.7	2462.1	1032.0	642.7	688.2	787.4	797.8	758.3	717.3	686.0	681.5
47.5°	3130.2	2573.2	854.5	592.8	657.7	777.7	794.9	741.2	687.5	640.5	635.3
50°	3381.5	2730.5	706.1	560.0	643.5	772.5	794.1	722.5	658.4	603.2	599.5
52.5°	3655.9	2884.1	596.5	534.6	629.3	756.8	790.4	701.7	627.8	568.2	563.7
55°	3838.6	2944.5	522.7	510.8	606.2	732.2	775.5	681.5	581.6	527.2	520.5
57.5°	3892.3	2867.0	471.2	489.1	576.4	697.9	747.1	639.0	553.3	510.0	504.8
60°	3799.8	2671.6	439.2	471.2	543.6	653.9	697.9	614.4	530.9	492.1	488.4
62.5°	3538.8	2370.4	414.6	452.6	510.0	607.7	666.6	584.6	506.3	475.7	470.5
65°	3013.9	1943.9	394.4	433.2	478.0	563.7	632.3	554.8	479.4	456.3	450.4
67.5°	2107.9	1365.3	372.8	410.1	445.9	521.2	596.5	527.2	451.9	434.7	428.7
70°	1030.5	724.0	346.7	383.3	411.6	478.0	560.7	493.6	415.3	405.6	397.4
72.5°	490.6	404.9	316.2	346.7	364.6	420.5	501.1	445.1	372.1	351.2	337.0
75°	328.8	287.8	275.9	303.5	308.0	352.7	429.5	384.0	328.1	304.2	292.3
77.5°	249.0	220.0	231.9	256.5	247.6	290.1	353.4	342.3	296.0	274.4	268.4
80°	175.2	160.3	184.2	199.1	192.4	246.8	318.4	293.0	243.8	220.0	215.5
82.5°	110.4	107.4	135.7	137.9	140.2	195.4	261.7	230.4	189.4	155.8	144.7
85°	55.2	61.1	81.3	81.3	80.5	100.7	149.1	129.7	102.2	81.3	79.0
87.5°	18.6	26.1	35.0	28.3	21.6	17.1	19.4	23.9	25.4	24.6	24.6
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)