

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: P634380

Luminaire Tested: GWS-SA3B-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634380
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-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: 10277.1 lumens
Efficiency: N/A
Efficacy: 150.5 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

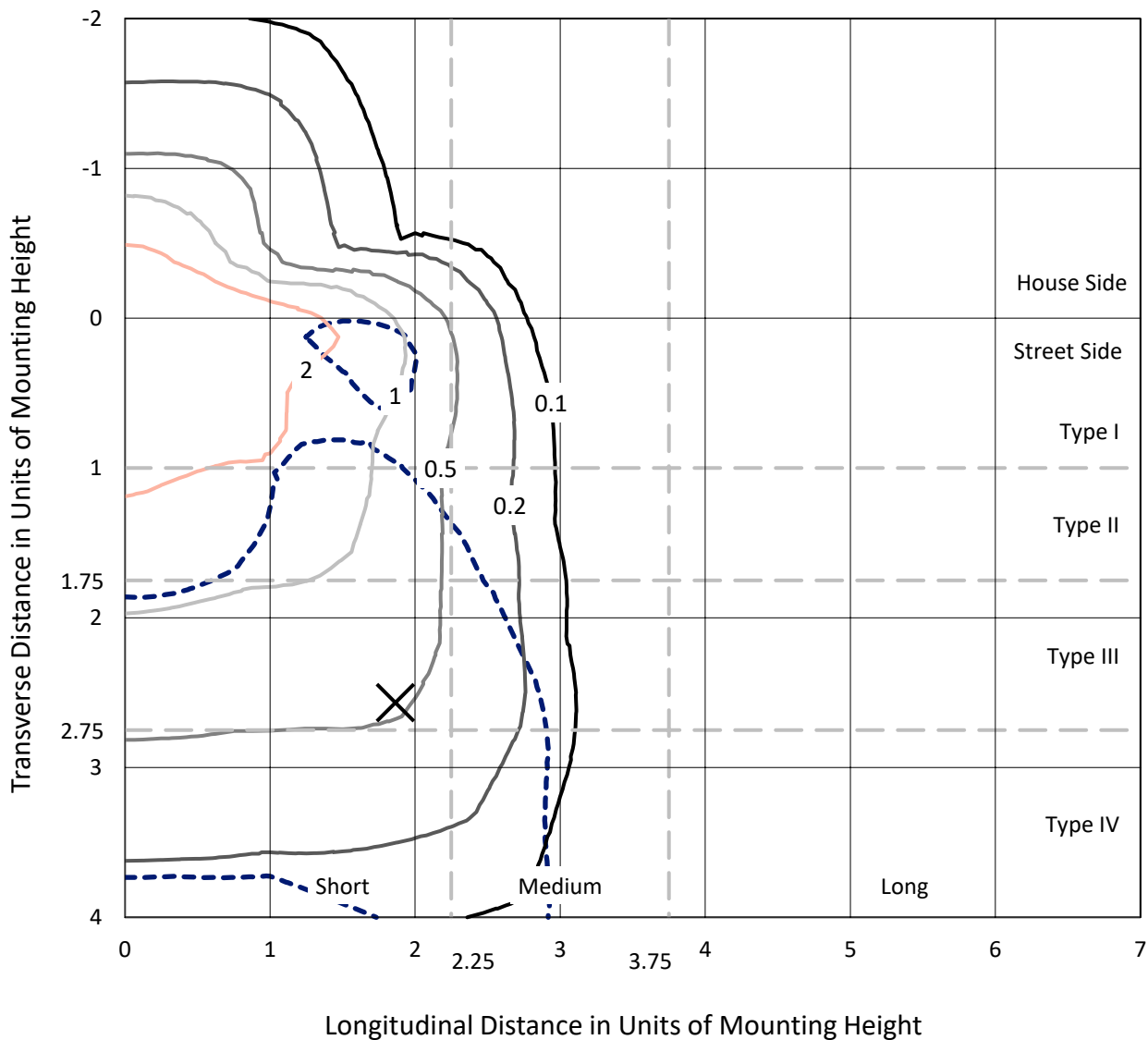
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

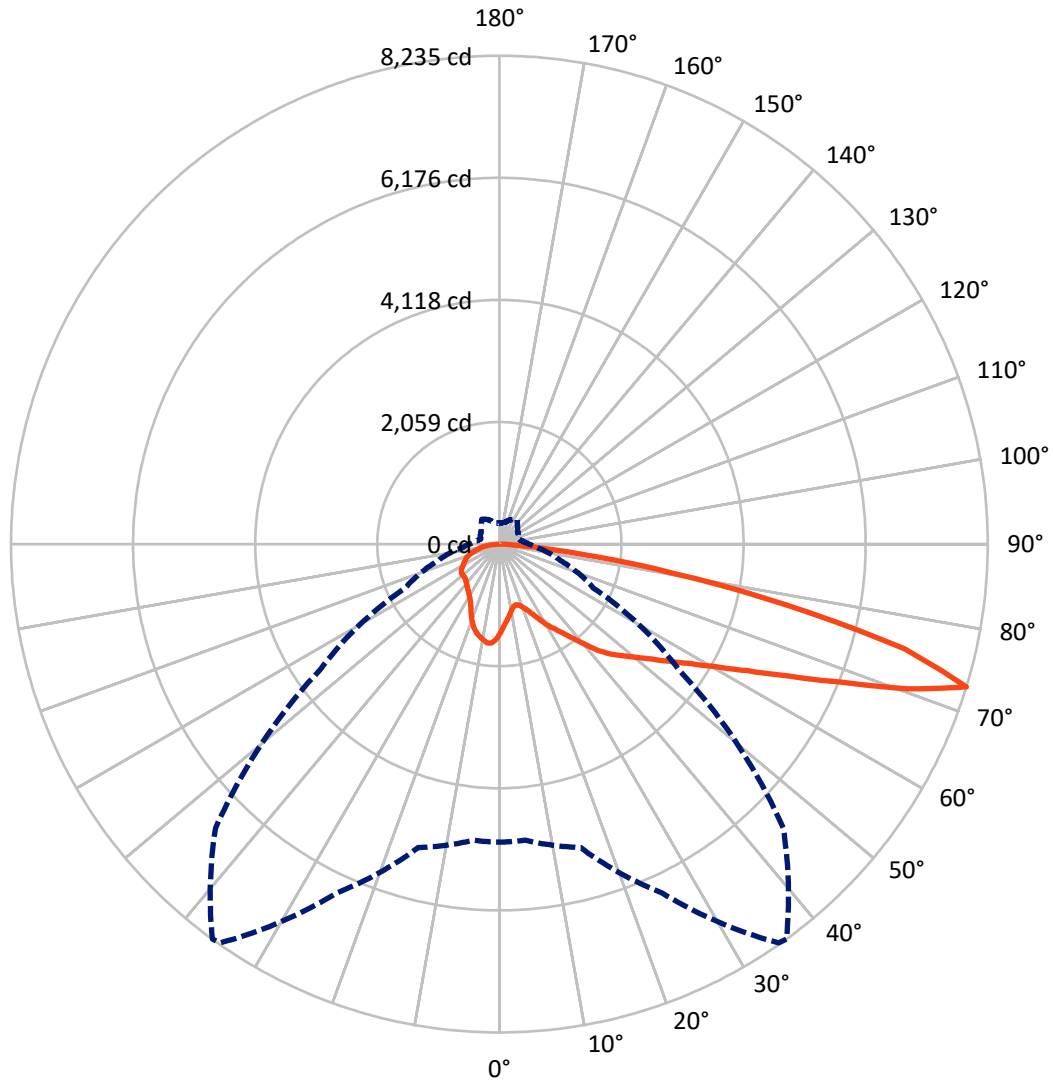
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 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	2369.3	0.0	2369.3
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	7907.8	0.0	7907.8
	% Fixture	76.9	0.0	76.9
Total	Lumens	10277.1	0.0	10277.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	1.4
10°-20°	396.7	3.9
20°-30°	656.9	6.4
30°-40°	983.8	9.6
40°-50°	1435.3	14.0
50°-60°	2042.9	19.9
60°-70°	2581.0	25.1
70°-80°	1839.2	17.9
80°-90°	200.8	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°	10277.1	100.0
0°-180°	10277.1	100.0

Coefficient of Utilization



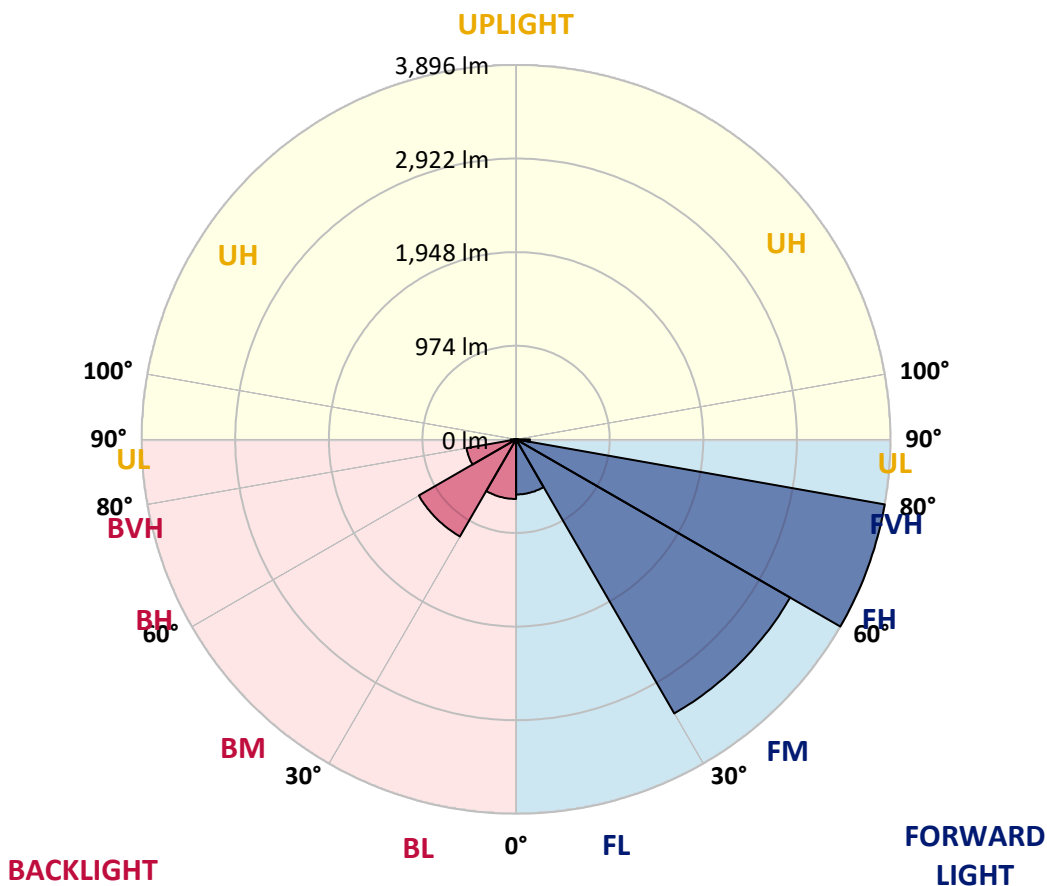
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	573.7	5.6			
FM (30°-60°)	3293.6	32.0			
FH (60°-80°)	3896.4	37.9			G2/5000
FVH (80°-90°)	144.1	1.4			G2/225
BL (0°-30°)	620.4	6.0	B2/1000		
BM (30°-60°)	1168.4	11.4	B2/2500		
BH (60°-80°)	523.8	5.1	B2/1000		G2/1000
BVH (80°-90°)	56.7	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°	1504.1	1504.1	1504.1	1504.1	1504.1	1504.1	1504.1	1504.1	1504.1	1504.1	1504.1
2.5°	1372.1	1369.9	1365.3	1379.0	1392.7	1391.2	1410.3	1428.6	1448.4	1469.0	1496.5
5°	1262.3	1260.8	1257.0	1277.6	1298.2	1297.4	1328.7	1358.4	1398.8	1443.1	1498.0
7.5°	1152.5	1148.7	1154.0	1179.9	1208.9	1212.0	1254.7	1303.5	1362.2	1428.6	1506.4
10°	1055.6	1054.9	1057.1	1086.1	1129.6	1132.7	1187.6	1255.5	1333.2	1421.7	1525.5
12.5°	1030.4	1028.9	1022.8	1037.3	1070.1	1074.7	1134.9	1218.1	1313.4	1425.5	1551.4
15°	1071.6	1067.8	1046.5	1039.6	1055.6	1059.4	1110.5	1196.0	1302.0	1432.4	1584.2
17.5°	1142.6	1140.3	1099.9	1071.6	1082.3	1085.4	1123.5	1192.1	1298.9	1446.1	1624.6
20°	1246.3	1236.4	1173.1	1130.4	1130.4	1134.9	1157.8	1208.9	1302.7	1462.9	1670.4
22.5°	1383.6	1363.8	1274.5	1216.6	1201.3	1207.4	1217.3	1250.9	1318.8	1491.1	1727.6
25°	1537.7	1519.4	1413.3	1331.7	1310.4	1312.7	1304.3	1310.4	1353.8	1530.0	1798.5
27.5°	1701.6	1689.4	1576.6	1472.8	1439.3	1439.3	1409.5	1395.0	1402.7	1574.3	1877.8
30°	1848.1	1831.3	1736.0	1622.3	1578.1	1578.1	1521.6	1490.4	1472.1	1628.4	1983.9
32.5°	1925.1	1915.2	1851.9	1765.0	1710.8	1702.4	1653.6	1617.0	1574.3	1708.5	2127.2
35°	2025.8	2023.5	1985.4	1917.5	1848.9	1836.6	1803.1	1774.1	1700.1	1808.4	2317.9
37.5°	2152.4	2148.6	2142.5	2102.1	2019.7	2017.4	1987.7	1952.6	1856.5	1952.6	2549.0
40°	2294.3	2287.4	2279.8	2279.0	2229.5	2221.1	2218.8	2179.1	2044.9	2126.5	2790.1
42.5°	2489.5	2465.9	2394.2	2426.2	2462.8	2455.2	2484.2	2424.7	2279.8	2333.2	3018.1
45°	2729.8	2671.8	2530.0	2539.1	2631.4	2646.7	2747.3	2732.9	2538.4	2571.9	3258.4
47.5°	2874.0	2823.6	2691.7	2684.0	2799.2	2818.3	3037.2	3064.6	2816.8	2859.5	3555.1
50°	2992.2	2957.1	2848.8	2859.5	2981.5	3000.6	3324.7	3383.5	3079.1	3153.9	3899.8
52.5°	3134.8	3084.5	3000.6	3050.9	3200.4	3223.3	3644.3	3707.6	3315.6	3477.3	4256.8
55°	3214.9	3194.3	3195.8	3272.9	3460.5	3491.8	3979.2	3968.5	3532.2	3754.1	4525.3
57.5°	3399.5	3391.9	3462.0	3491.0	3764.1	3804.5	4314.0	4222.5	3729.0	3968.5	4654.2
60°	3725.2	3706.1	3767.1	3811.4	4139.3	4196.5	4687.7	4471.1	3862.5	4127.9	4610.7
62.5°	4182.8	4159.2	4161.4	4231.6	4642.0	4702.2	5103.4	4678.6	3903.6	4152.3	4335.3
65°	4751.8	4717.5	4678.6	4773.9	5309.3	5359.7	5555.7	4829.6	3805.2	3917.4	3760.2
67.5°	5352.1	5323.8	5278.1	5477.9	6173.5	6204.0	6062.9	4816.6	3493.3	3288.9	2637.5
70°	5387.1	5394.0	5610.6	6333.7	7301.6	7309.2	6542.7	4555.8	2829.0	2131.8	1314.2
72.5°	5025.6	5014.2	5296.4	6490.1	8209.2	8235.2	6769.2	3690.8	1748.2	1063.2	616.3
75°	4082.1	4102.0	4398.7	5678.5	7036.2	7059.0	5518.3	2176.1	830.6	520.2	394.3
77.5°	1757.3	1867.9	2452.9	4000.5	5039.3	4968.4	2844.2	881.7	443.1	370.7	302.0
80°	507.2	550.7	874.1	1902.2	3019.6	2966.2	1125.8	330.3	308.9	278.4	216.6
82.5°	164.0	181.5	320.3	757.4	1353.1	1351.6	427.1	195.3	202.1	189.2	139.6
85°	45.8	52.6	98.4	229.6	418.7	410.3	123.6	92.3	107.5	109.1	69.4
87.5°	0.0	0.0	0.8	1.5	1.5	1.5	3.1	13.7	31.3	39.7	28.2
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°	1504.1	1504.1	1504.1	1504.1	1504.1	1504.1	1504.1	1504.1	1504.1	1504.1	1504.1
2.5°	1513.3	1511.0	1542.2	1566.6	1589.5	1604.8	1609.4	1612.4	1618.5	1621.6	1618.5
5°	1523.9	1535.4	1587.2	1625.4	1655.9	1674.2	1675.0	1673.4	1678.0	1674.2	1671.9
7.5°	1546.8	1568.9	1634.5	1675.0	1694.8	1695.5	1677.2	1655.9	1645.2	1636.1	1633.0
10°	1577.3	1610.1	1681.8	1708.5	1702.4	1674.2	1633.8	1600.2	1581.1	1567.4	1564.4
12.5°	1619.3	1655.9	1723.8	1723.0	1684.9	1634.5	1587.2	1546.8	1519.4	1503.3	1498.0
15°	1658.9	1705.5	1754.3	1718.4	1658.2	1597.2	1536.1	1482.0	1445.4	1420.2	1415.6
17.5°	1707.7	1757.3	1776.4	1703.9	1624.6	1546.0	1464.4	1393.5	1343.9	1314.2	1311.9
20°	1764.2	1808.4	1787.1	1678.8	1581.1	1478.2	1367.6	1288.2	1234.9	1205.9	1208.2
22.5°	1829.8	1861.8	1790.1	1644.4	1520.9	1382.1	1258.5	1182.2	1146.4	1131.1	1131.9
25°	1900.0	1920.5	1784.8	1597.9	1428.6	1264.6	1146.4	1111.3	1108.2	1104.4	1106.0
27.5°	1983.1	1978.5	1768.8	1532.3	1304.3	1128.1	1067.8	1077.0	1089.2	1087.7	1089.2
30°	2094.5	2051.0	1748.2	1441.6	1156.3	1013.7	1021.3	1047.2	1063.2	1064.8	1069.3
32.5°	2221.8	2131.1	1715.4	1318.0	1015.2	949.6	977.8	1009.1	1028.2	1032.0	1038.1
35°	2373.6	2222.6	1657.4	1163.9	913.7	911.5	937.4	958.7	979.3	980.9	980.9
37.5°	2548.3	2314.1	1565.1	993.8	851.2	878.7	903.1	907.6	913.0	908.4	910.7
40°	2708.4	2402.6	1433.9	839.0	800.1	849.7	870.3	855.0	838.2	826.8	829.1
42.5°	2842.7	2462.8	1260.0	730.7	748.2	823.7	839.8	808.5	775.7	754.3	757.4
45°	2993.7	2518.5	1055.6	657.5	704.0	805.4	816.1	775.7	733.7	701.7	697.1
47.5°	3201.9	2632.2	874.1	606.4	672.7	795.5	813.1	758.2	703.2	655.2	649.8
50°	3459.0	2793.1	722.3	572.8	658.2	790.2	812.3	739.1	673.5	617.0	613.2
52.5°	3739.7	2950.2	610.2	546.9	643.7	774.2	808.5	717.7	642.2	581.2	576.6
55°	3926.5	3012.0	534.7	522.5	620.1	749.0	793.2	697.1	594.9	539.2	532.4
57.5°	3981.4	2932.7	482.0	500.3	589.6	713.9	764.3	653.7	565.9	521.7	516.4
60°	3886.9	2732.9	449.2	482.0	556.0	668.9	713.9	628.5	543.1	503.4	499.6
62.5°	3619.9	2424.7	424.1	463.0	521.7	621.6	681.9	598.0	517.9	486.6	481.3
65°	3082.9	1988.4	403.5	443.1	488.9	576.6	646.8	567.5	490.4	466.8	460.7
67.5°	2156.2	1396.6	381.4	419.5	456.1	533.1	610.2	539.2	462.2	444.7	438.6
70°	1054.1	740.6	354.7	392.0	421.0	488.9	573.6	504.9	424.8	414.9	406.5
72.5°	501.9	414.2	323.4	354.7	373.0	430.2	512.6	455.3	380.6	359.2	344.8
75°	336.4	294.4	282.2	310.4	315.0	360.8	439.3	392.8	335.6	311.2	299.0
77.5°	254.8	225.0	237.2	262.4	253.2	296.7	361.5	350.1	302.8	280.7	274.6
80°	179.2	164.0	188.4	203.6	196.8	252.5	325.7	299.8	249.4	225.0	220.4
82.5°	112.9	109.8	138.8	141.1	143.4	199.8	267.7	235.7	193.7	159.4	148.0
85°	56.4	62.5	83.1	83.1	82.4	103.0	152.5	132.7	104.5	83.1	80.8
87.5°	19.1	26.7	35.8	29.0	22.1	17.5	19.8	24.4	25.9	25.2	25.2
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)