

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: P634072

Luminaire Tested: GWS-SA3B-722-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7529 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

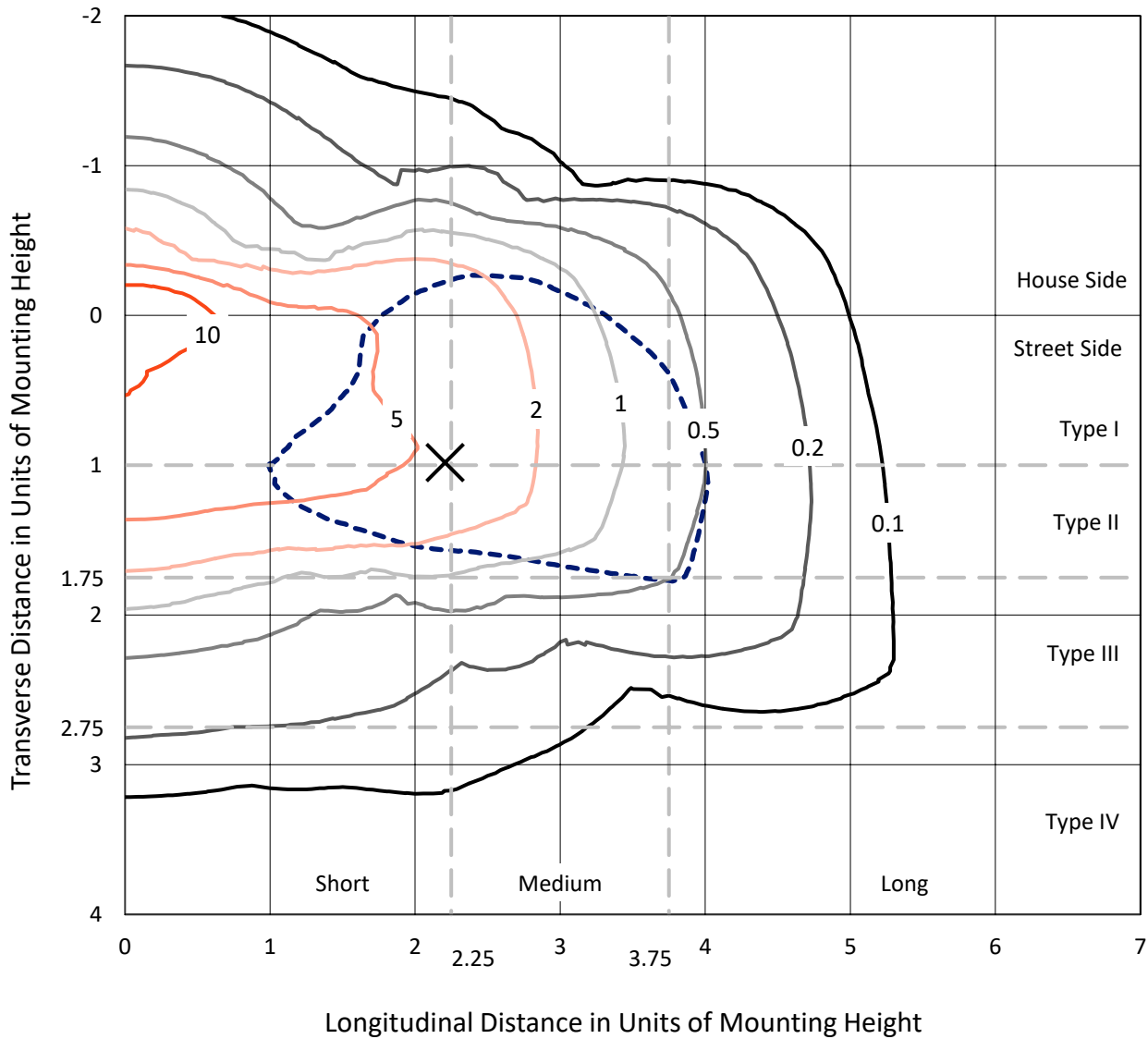
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

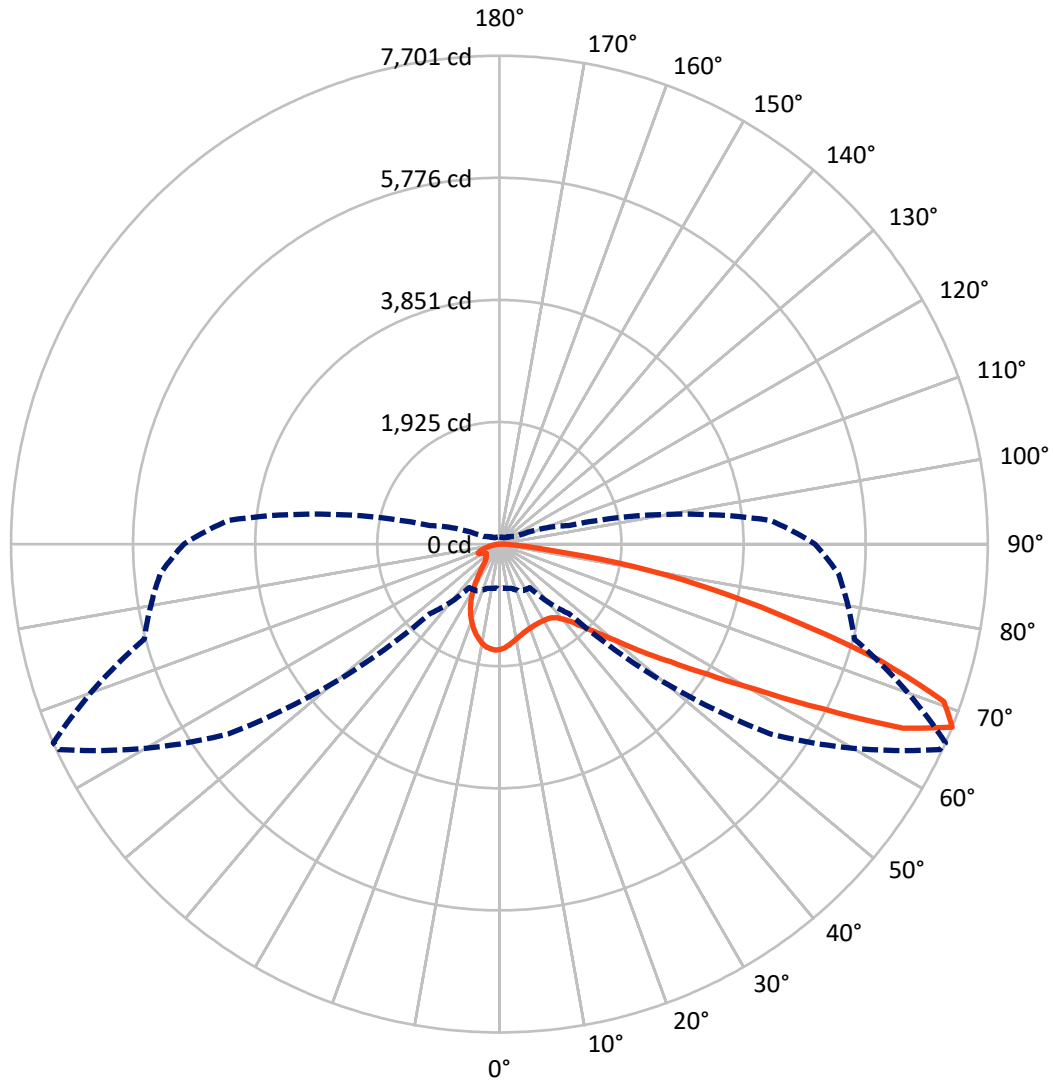
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1527.8	0.0	1527.8
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	6001.2	0.0	6001.2
	% Fixture	79.7	0.0	79.7
Total	Lumens	7529.0	0.0	7529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	1.9
10°-20°	358.8	4.8
20°-30°	493.2	6.6
30°-40°	674.3	9.0
40°-50°	1021.8	13.6
50°-60°	1588.4	21.1
60°-70°	1933.8	25.7
70°-80°	1178.0	15.6
80°-90°	134.6	1.8
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°	7529.0	100.0
0°-180°	7529.0	100.0

Coefficient of Utilization



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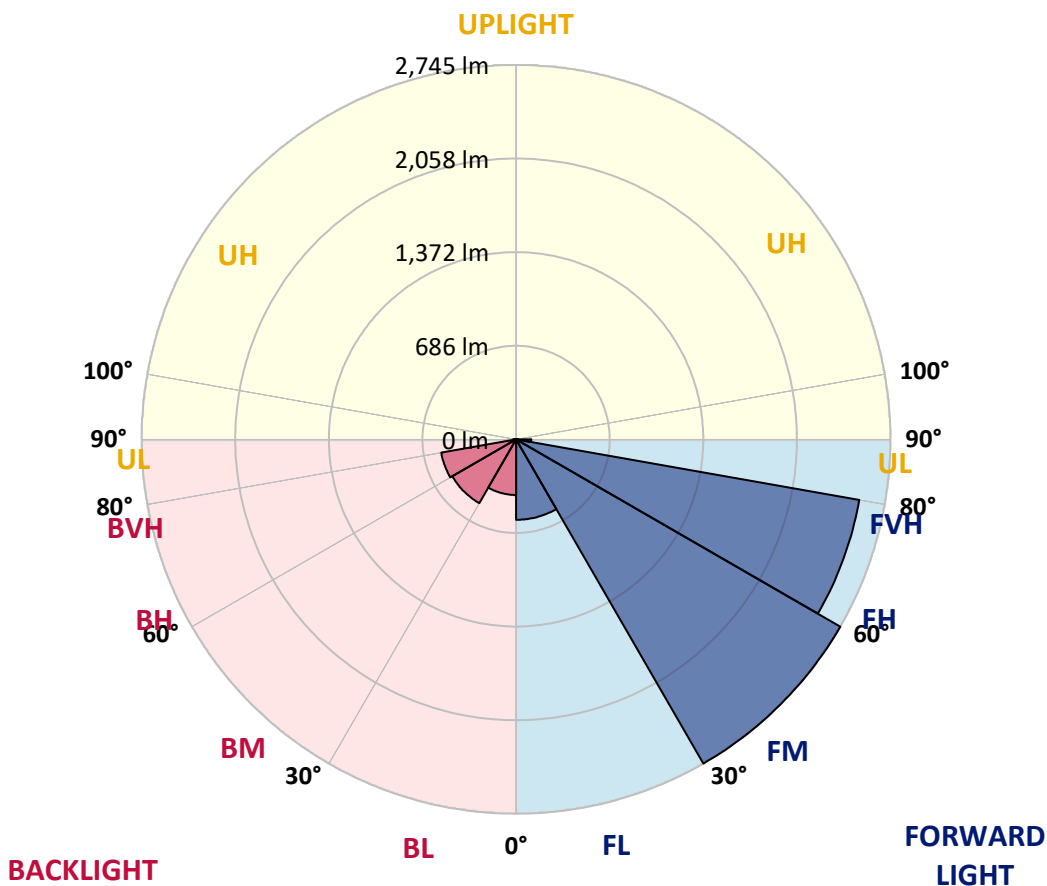
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	589.9	7.8			
FM (30°-60°)	2744.6	36.5			
FH (60°-80°)	2554.8	33.9			G2/5000
FVH (80°-90°)	111.9	1.5			G2/225
BL (0°-30°)	408.1	5.4	B1/500		
BM (30°-60°)	539.9	7.2	B1/1000		
BH (60°-80°)	557.1	7.4	B2/1000		G2/1000
BVH (80°-90°)	22.7	0.3			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1663.7	1663.7	1663.7	1663.7	1663.7	1663.7	1663.7	1663.7	1663.7	1663.7	1663.7
2.5°	1558.2	1563.7	1560.4	1581.3	1582.4	1608.8	1623.6	1636.2	1637.3	1653.8	1664.8
5°	1451.7	1455.0	1455.0	1474.8	1487.9	1523.1	1557.1	1593.4	1596.1	1635.7	1665.9
7.5°	1365.4	1368.7	1366.5	1392.9	1409.9	1448.9	1492.3	1547.8	1553.3	1617.0	1669.7
10°	1297.9	1296.8	1302.3	1326.5	1348.4	1395.1	1443.4	1506.6	1514.8	1595.6	1674.1
12.5°	1251.8	1252.9	1256.1	1281.4	1305.0	1351.2	1401.2	1469.8	1478.6	1570.9	1671.9
15°	1229.8	1227.6	1230.3	1253.4	1275.9	1316.6	1368.2	1439.0	1447.8	1548.9	1672.5
17.5°	1224.8	1223.2	1222.6	1239.1	1256.1	1294.0	1343.5	1415.4	1424.8	1534.6	1675.8
20°	1240.2	1238.0	1232.0	1239.1	1246.3	1278.1	1325.9	1398.4	1408.8	1525.3	1682.4
22.5°	1282.5	1278.7	1269.3	1260.5	1251.2	1270.4	1314.9	1385.8	1396.2	1519.2	1689.0
25°	1346.8	1343.5	1333.6	1313.8	1279.8	1276.5	1312.7	1380.3	1390.7	1514.8	1691.7
27.5°	1435.2	1430.3	1420.4	1391.8	1336.3	1299.0	1321.0	1379.7	1389.6	1509.9	1689.0
30°	1540.1	1536.8	1531.3	1496.7	1422.6	1346.8	1339.6	1384.1	1391.8	1507.2	1683.5
32.5°	1646.7	1643.4	1647.8	1631.3	1540.1	1425.9	1380.3	1396.2	1401.7	1506.6	1678.5
35°	1740.6	1744.4	1776.3	1779.0	1689.5	1533.0	1444.5	1424.2	1425.3	1517.6	1680.7
37.5°	1838.9	1853.7	1895.5	1931.2	1856.5	1674.7	1540.1	1476.9	1475.8	1545.6	1694.5
40°	1969.1	1975.7	2029.0	2096.0	2049.3	1869.1	1675.8	1563.2	1555.5	1602.7	1731.3
42.5°	2096.0	2111.9	2197.0	2273.9	2258.5	2088.3	1846.6	1692.3	1678.5	1703.8	1807.1
45°	2257.4	2272.8	2368.4	2467.3	2495.3	2336.0	2065.2	1875.7	1862.0	1855.9	1946.0
47.5°	2418.9	2434.9	2520.5	2663.3	2761.7	2645.8	2349.7	2117.9	2095.4	2071.8	2155.8
50°	2527.7	2546.3	2628.2	2799.6	3030.2	3032.4	2687.0	2435.4	2406.8	2369.5	2451.3
52.5°	2523.8	2535.9	2613.9	2811.6	3223.6	3476.8	3138.4	2839.7	2816.6	2735.3	2806.7
55°	2325.5	2343.7	2422.2	2669.4	3244.5	3898.1	3801.9	3316.4	3275.2	3129.7	3208.2
57.5°	1927.3	1942.7	2021.8	2326.6	3059.4	4113.9	4644.5	3923.9	3867.3	3559.2	3649.8
60°	1455.0	1436.3	1473.7	1740.6	2616.7	4119.4	5388.2	4747.8	4653.3	4018.4	4094.2
62.5°	1091.9	1073.2	1081.5	1156.7	1774.1	3786.6	5812.2	5874.8	5718.8	4536.9	4522.0
65°	862.9	852.4	876.1	927.7	1034.2	2883.6	5815.5	7093.6	6995.3	5137.7	4960.9
67.5°	703.0	696.5	720.6	816.2	838.7	1549.5	5214.6	7662.7	7701.1	5795.7	5367.9
70°	566.3	556.4	594.3	720.1	779.9	937.6	3735.5	7372.7	7434.7	6187.9	5253.1
72.5°	391.1	391.6	410.8	583.3	753.0	809.6	2113.0	6139.0	6273.6	5832.5	4618.1
75°	263.6	265.8	271.3	385.0	693.7	785.4	1126.0	4647.8	4742.8	4820.8	3817.3
77.5°	159.3	160.4	173.0	232.9	478.4	733.3	762.9	3369.1	3443.8	3178.0	2366.2
80°	92.3	96.1	107.7	156.0	323.0	550.9	590.4	2065.8	2150.3	1412.7	751.9
82.5°	40.6	43.4	58.8	90.6	188.4	468.5	460.8	816.2	804.1	393.8	260.9
85°	7.1	8.8	12.6	28.6	69.2	247.2	357.6	360.3	338.9	149.4	108.2
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	53.8	96.7	96.1	42.3	37.3
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°	1663.7	1663.7	1663.7	1663.7	1663.7	1663.7	1663.7	1663.7	1663.7	1663.7	1663.7
2.5°	1671.9	1657.1	1670.3	1671.9	1669.2	1667.0	1650.5	1636.2	1634.6	1619.2	1619.2
5°	1678.0	1664.2	1670.8	1658.2	1638.4	1618.1	1583.0	1558.8	1547.8	1528.0	1528.0
7.5°	1686.2	1671.9	1664.2	1632.9	1586.8	1542.3	1485.7	1438.5	1419.3	1391.3	1390.2
10°	1693.9	1675.8	1649.4	1588.4	1514.8	1444.0	1361.6	1294.6	1249.0	1215.5	1215.5
12.5°	1693.4	1669.7	1617.6	1527.5	1425.9	1323.2	1213.3	1112.2	1051.8	999.6	996.3
15°	1692.3	1659.9	1576.9	1456.6	1322.1	1179.8	1030.4	898.6	809.1	758.0	753.6
17.5°	1691.2	1647.2	1531.3	1375.9	1195.7	1001.8	804.7	661.9	587.2	555.8	556.9
20°	1691.2	1632.9	1482.4	1283.1	1050.2	788.7	590.4	486.6	468.0	469.6	471.3
22.5°	1686.2	1615.4	1428.1	1182.0	888.1	580.0	435.6	400.4	410.3	425.7	427.9
25°	1674.7	1586.3	1364.9	1069.9	695.4	422.4	355.4	348.8	366.9	386.1	391.6
27.5°	1656.6	1552.7	1294.0	938.7	511.9	339.4	312.5	312.0	326.3	340.5	345.5
30°	1637.3	1515.4	1219.3	792.6	370.7	295.5	285.1	285.1	292.2	301.0	299.9
32.5°	1614.8	1477.5	1139.2	640.4	302.1	270.8	267.5	265.8	266.9	270.2	270.2
35°	1595.6	1444.0	1056.8	479.5	270.8	257.1	253.8	249.9	248.3	246.1	247.2
37.5°	1588.4	1417.6	971.6	361.4	255.4	247.2	241.7	236.2	232.3	231.2	230.7
40°	1600.0	1406.6	886.5	297.7	244.4	236.7	230.7	223.5	220.3	220.3	220.3
42.5°	1645.0	1414.9	799.7	269.1	236.7	227.9	219.2	212.6	211.5	212.6	213.1
45°	1727.4	1446.7	709.6	254.9	230.1	219.2	208.7	203.8	203.8	204.9	204.9
47.5°	1874.6	1530.2	620.7	246.1	223.5	212.0	201.0	196.1	195.5	196.6	196.6
50°	2129.5	1680.7	540.5	240.0	218.6	206.5	195.5	188.9	187.3	186.7	186.7
52.5°	2450.8	1941.6	489.4	235.6	212.6	200.5	189.5	180.7	177.4	175.8	175.8
55°	2839.1	2289.3	489.4	232.3	204.9	193.3	180.7	171.9	167.0	164.8	164.8
57.5°	3279.1	2694.1	574.0	229.6	198.8	185.1	171.4	162.6	157.1	153.8	153.8
60°	3726.7	3122.0	783.2	225.7	193.3	174.7	160.9	152.7	145.6	141.7	141.2
62.5°	4190.8	3593.2	1059.0	227.9	189.5	164.8	149.9	140.6	134.6	130.7	130.2
65°	4615.9	4042.0	1300.1	245.0	190.0	156.0	137.3	129.1	124.1	119.2	118.6
67.5°	4976.8	4289.7	1130.9	279.6	201.6	145.6	124.7	116.4	112.0	108.8	108.2
70°	4724.1	3911.8	641.5	301.0	217.5	134.6	110.4	104.9	100.5	98.3	97.8
72.5°	4039.8	3312.0	429.0	265.8	198.3	120.3	97.2	92.8	89.5	86.8	86.2
75°	3272.5	2626.5	327.9	218.1	154.3	97.8	83.5	80.2	76.9	74.1	73.6
77.5°	1936.1	1517.6	241.7	172.5	108.8	76.3	69.2	66.5	63.2	61.0	60.4
80°	617.9	527.3	153.2	118.6	72.0	58.8	53.3	51.1	47.8	45.0	44.5
82.5°	235.6	203.8	81.3	60.4	47.8	40.1	35.7	33.5	31.3	28.6	28.0
85°	104.4	97.8	45.0	32.4	25.8	19.8	17.6	16.5	13.7	11.5	11.0
87.5°	36.8	36.8	19.2	9.3	5.5	2.7	1.6	0.5	0.0	0.0	0.0
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)