

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: P634429

Luminaire Tested: GWS-SA3B-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10501.1 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

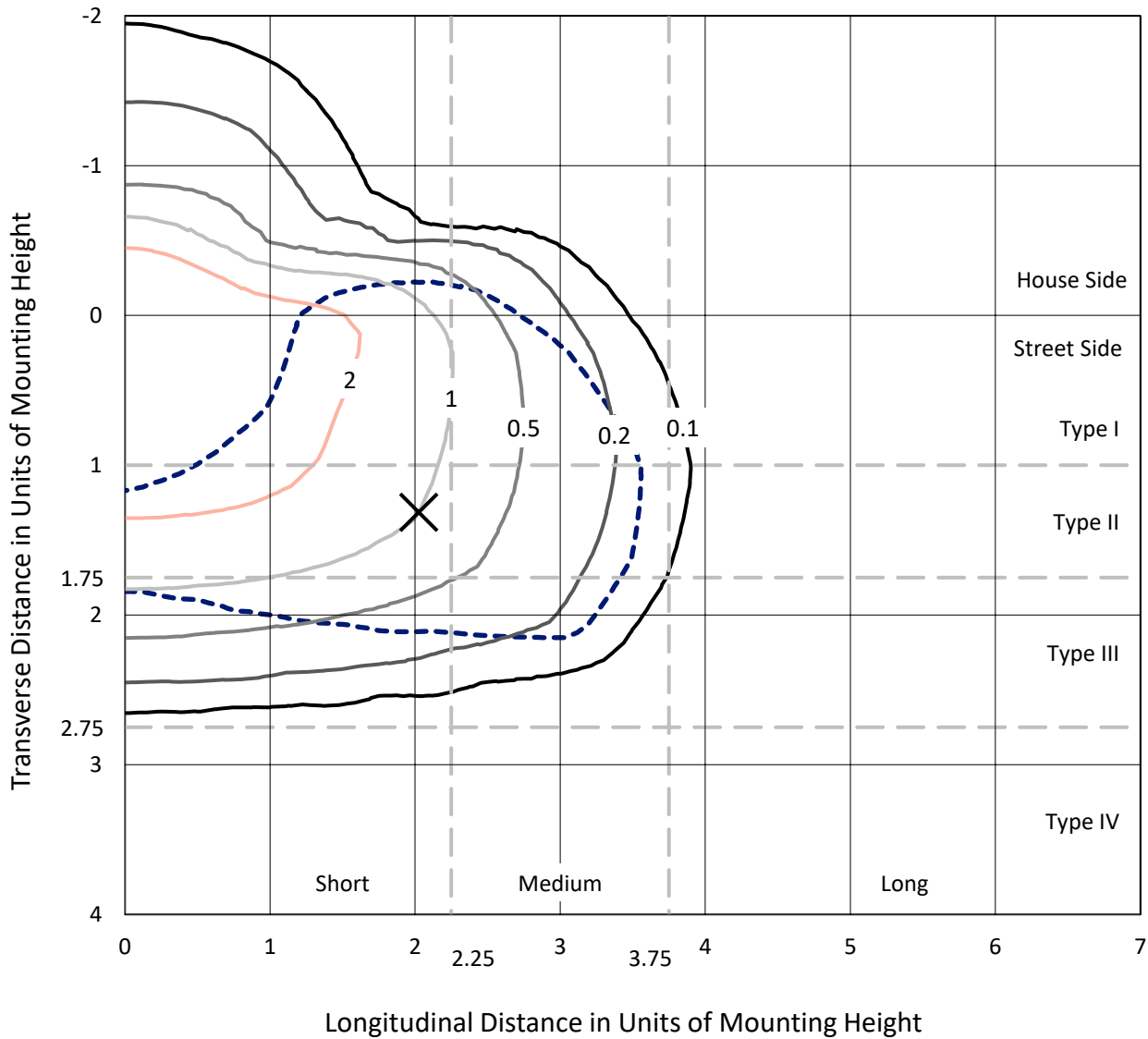
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

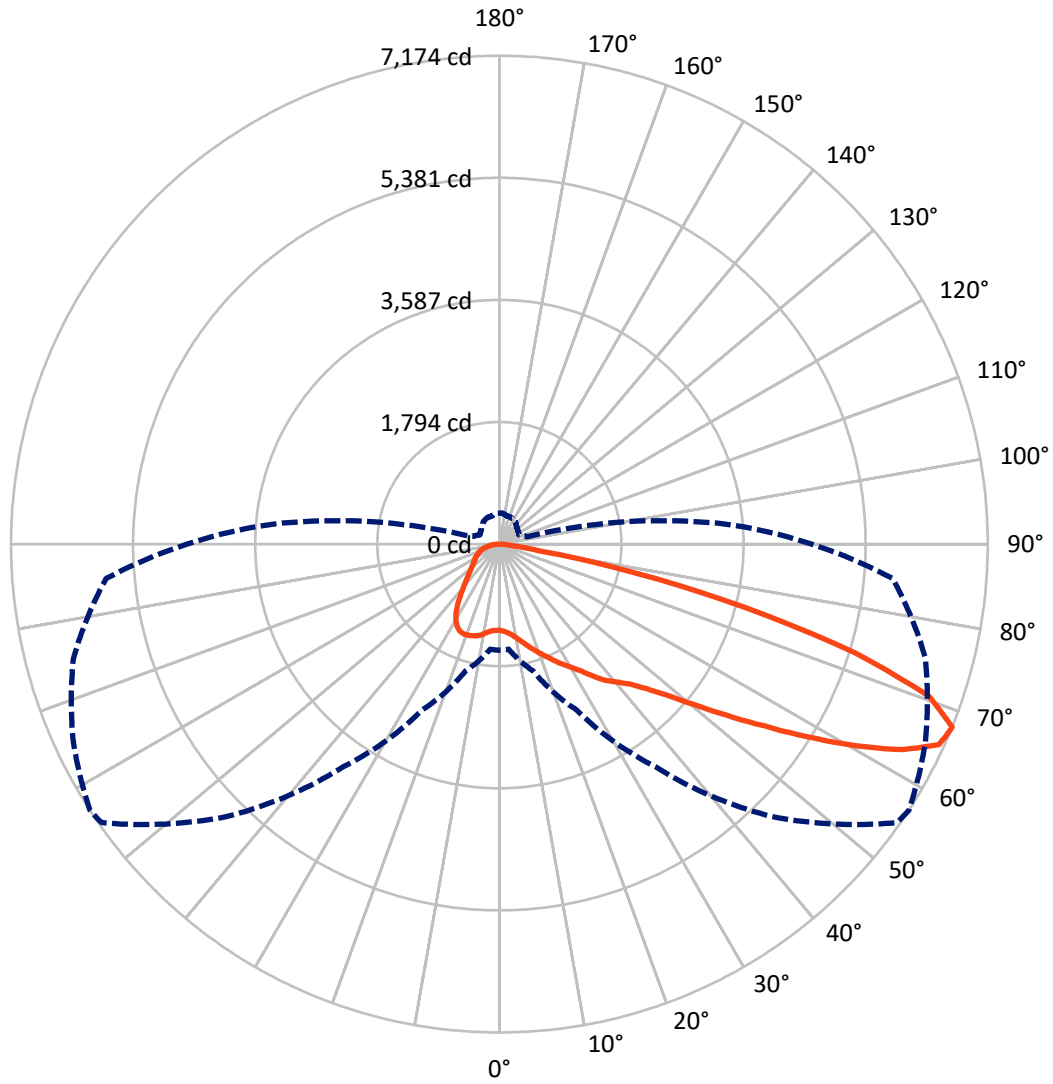
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2308.8	0.0	2308.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	8192.3	0.0	8192.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	10501.1	0.0	10501.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.5	1.2
10°-20°	415.4	4.0
20°-30°	740.7	7.1
30°-40°	1076.8	10.3
40°-50°	1558.5	14.8
50°-60°	2439.0	23.2
60°-70°	2845.3	27.1
70°-80°	1187.7	11.3
80°-90°	112.1	1.1
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°	10501.1	100.0
0°-180°	10501.1	100.0

Coefficient of Utilization



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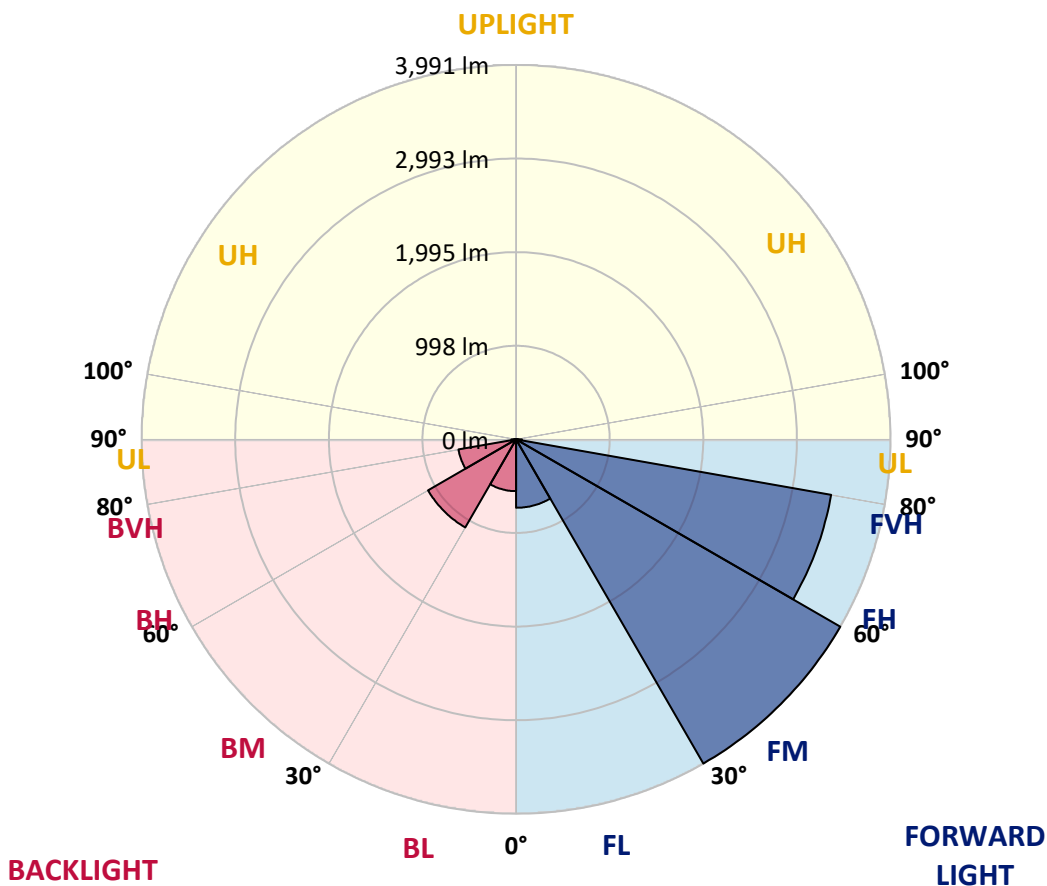
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	729.4	6.9			
FM (30°-60°)	3990.6	38.0			
FH (60°-80°)	3409.9	32.5			G2/5000
FVH (80°-90°)	62.4	0.6			G1/100
BL (0°-30°)	552.2	5.3	B2/1000		
BM (30°-60°)	1083.8	10.3	B2/2500		
BH (60°-80°)	623.1	5.9	B2/1000		G2/1000
BVH (80°-90°)	49.6	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1265.3	1265.3	1265.3	1265.3	1265.3	1265.3	1265.3	1265.3	1265.3	1265.3	1265.3
2.5°	1283.4	1281.9	1281.1	1285.6	1284.1	1283.4	1283.4	1282.6	1281.1	1275.1	1266.8
5°	1318.7	1315.7	1312.7	1316.5	1313.5	1310.4	1309.7	1308.2	1302.9	1293.9	1281.1
7.5°	1355.6	1352.6	1353.3	1355.6	1353.3	1351.8	1349.6	1348.1	1339.8	1325.5	1308.2
10°	1407.5	1407.5	1409.0	1411.3	1412.0	1409.7	1405.2	1403.0	1393.2	1375.1	1351.1
12.5°	1482.7	1481.2	1481.2	1479.7	1482.0	1479.7	1475.2	1471.4	1459.4	1436.1	1401.5
15°	1582.0	1576.0	1570.7	1561.0	1557.9	1549.7	1551.2	1548.9	1537.6	1506.0	1462.4
17.5°	1688.1	1687.3	1679.1	1659.5	1639.9	1626.4	1629.4	1628.7	1622.6	1579.8	1524.1
20°	1781.4	1785.1	1777.6	1762.6	1736.2	1710.7	1709.1	1712.9	1705.4	1662.5	1585.0
22.5°	1885.9	1882.9	1875.4	1855.8	1836.3	1809.2	1800.2	1797.2	1794.2	1745.3	1647.5
25°	1985.2	1994.3	1984.5	1966.4	1936.3	1907.0	1899.5	1902.5	1894.2	1829.5	1714.4
27.5°	2110.9	2114.6	2108.6	2083.8	2058.2	2016.8	2002.5	2002.5	1999.5	1908.5	1767.1
30°	2244.8	2255.3	2244.8	2224.4	2198.1	2138.7	2107.8	2104.8	2095.8	1989.7	1828.8
32.5°	2379.4	2386.9	2379.4	2359.9	2329.8	2277.9	2233.5	2226.7	2214.7	2078.5	1891.9
35°	2499.0	2505.8	2504.3	2508.8	2484.0	2418.5	2391.5	2388.4	2356.8	2194.4	1977.7
37.5°	2629.9	2638.2	2626.9	2635.9	2626.2	2564.5	2556.2	2541.2	2496.0	2303.4	2068.0
40°	2778.9	2786.4	2768.3	2772.1	2760.8	2726.2	2684.1	2663.8	2596.8	2421.5	2210.2
42.5°	2938.4	2955.7	2963.9	2957.2	2930.8	2911.3	2837.5	2812.0	2756.3	2634.4	2444.1
45°	3169.3	3194.9	3206.9	3189.6	3178.3	3150.5	3060.2	3029.4	3000.0	2934.6	2770.6
47.5°	3418.3	3441.6	3480.0	3487.5	3496.5	3475.5	3348.3	3318.2	3323.5	3316.0	3172.3
50°	3616.9	3636.5	3723.0	3815.5	3892.2	3898.2	3735.8	3703.4	3732.0	3756.1	3656.0
52.5°	3761.3	3778.6	3893.0	4084.1	4257.8	4386.5	4211.2	4174.3	4197.6	4251.8	4205.9
55°	3878.7	3902.8	4022.4	4315.7	4667.1	4870.2	4758.1	4711.4	4701.7	4768.6	4794.9
57.5°	3940.4	3947.9	4115.6	4497.0	4967.2	5344.8	5393.7	5341.1	5247.8	5284.7	5421.6
60°	3799.7	3812.5	4041.9	4543.7	5204.2	5815.8	6061.0	6017.4	5818.8	5839.1	5990.3
62.5°	3410.8	3428.8	3704.9	4321.8	5223.7	6130.2	6677.1	6649.3	6383.0	6273.1	6318.3
65°	2736.0	2742.0	3027.9	3772.6	4834.8	6169.3	7106.7	7099.9	6777.2	6519.9	6326.6
67.5°	1560.2	1549.7	1931.8	2690.9	3990.0	5660.8	7134.5	7174.4	6905.0	6479.3	5800.0
70°	676.3	677.8	853.8	1327.7	2582.5	4575.3	6626.7	6695.2	6534.9	5803.0	4614.4
72.5°	312.9	317.5	393.4	574.7	1102.8	2838.3	5403.5	5465.2	5327.5	4644.5	3357.4
75°	221.2	224.9	262.5	329.5	507.0	1105.8	3614.6	3744.0	3811.0	3474.0	2212.4
77.5°	167.8	173.0	191.8	228.7	312.9	391.9	1729.5	2037.9	2427.6	2161.3	1139.7
80°	106.8	106.8	127.1	152.7	191.1	203.9	499.5	592.0	1187.8	890.7	447.6
82.5°	72.2	74.5	86.5	97.0	109.8	115.8	214.4	228.7	343.0	303.2	184.3
85°	38.4	39.9	45.1	44.4	52.7	45.9	90.3	89.5	125.6	137.7	70.0
87.5°	0.0	0.0	0.8	0.8	1.5	2.3	9.8	10.5	26.3	42.1	23.3
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°	1265.3	1265.3	1265.3	1265.3	1265.3	1265.3	1265.3	1265.3	1265.3	1265.3	1265.3
2.5°	1271.3	1262.3	1266.8	1265.3	1269.8	1269.8	1261.5	1259.3	1260.0	1251.0	1248.0
5°	1282.6	1272.1	1274.3	1271.3	1275.8	1279.6	1275.8	1275.8	1280.4	1273.6	1269.8
7.5°	1308.2	1296.2	1296.2	1292.4	1297.7	1300.7	1297.7	1302.2	1310.4	1303.7	1299.9
10°	1348.8	1334.5	1335.3	1330.8	1333.0	1331.5	1319.5	1315.7	1318.0	1312.0	1308.9
12.5°	1401.5	1381.9	1381.9	1372.9	1367.6	1351.8	1327.0	1318.0	1319.5	1314.2	1312.0
15°	1451.9	1433.8	1430.1	1412.0	1387.9	1358.6	1336.0	1330.0	1331.5	1326.2	1322.5
17.5°	1511.3	1488.0	1474.4	1441.3	1397.0	1366.9	1344.3	1330.0	1318.0	1305.9	1302.9
20°	1566.2	1536.9	1512.1	1460.9	1406.7	1365.4	1323.2	1287.9	1258.5	1242.7	1239.0
22.5°	1622.6	1585.0	1541.4	1474.4	1406.0	1338.3	1260.8	1207.4	1163.8	1140.4	1144.9
25°	1676.0	1628.7	1569.2	1487.2	1381.9	1278.1	1172.8	1093.0	1043.4	1025.3	1020.1
27.5°	1720.4	1661.8	1594.8	1481.2	1332.3	1191.6	1052.4	963.7	915.5	895.2	889.9
30°	1770.1	1703.9	1631.7	1453.4	1254.0	1070.5	916.3	844.0	809.4	789.9	790.6
32.5°	1827.3	1758.0	1683.6	1400.0	1154.0	939.6	804.2	754.5	726.7	707.1	704.1
35°	1904.0	1835.5	1718.2	1319.5	1026.8	819.2	727.4	686.8	652.2	626.6	621.4
37.5°	1998.8	1952.1	1721.9	1211.9	890.7	736.5	672.5	628.9	586.8	552.9	549.2
40°	2161.3	2107.8	1691.1	1077.2	774.8	683.1	626.6	576.2	527.3	489.7	484.5
42.5°	2393.0	2283.1	1624.9	925.3	687.6	640.9	583.0	519.1	469.4	443.1	439.3
45°	2687.8	2478.7	1525.6	782.4	622.9	599.6	537.1	470.2	443.8	425.0	421.3
47.5°	3048.9	2706.7	1411.3	671.0	572.5	561.9	490.5	453.6	430.3	414.5	410.7
50°	3480.7	2997.0	1317.2	583.8	527.3	518.3	475.4	443.8	425.0	412.2	409.2
52.5°	3973.5	3319.7	1271.3	521.3	488.2	479.2	470.2	441.6	425.8	416.0	412.2
55°	4485.0	3659.8	1228.5	473.2	455.1	460.4	470.9	449.1	437.1	424.3	420.5
57.5°	4979.2	3978.7	1123.1	435.6	431.0	451.4	474.7	456.6	442.3	429.5	425.0
60°	5320.0	4153.3	944.8	405.5	413.0	440.1	464.9	445.3	427.3	422.0	419.8
62.5°	5411.8	4132.2	733.5	374.6	391.2	415.3	439.3	426.5	407.7	416.0	416.8
65°	5197.4	3906.5	550.7	344.5	362.6	382.9	413.0	407.7	401.0	423.5	424.3
67.5°	4590.3	3352.1	419.8	318.2	333.3	358.1	404.7	426.5	428.0	456.6	453.6
70°	3473.2	2504.3	328.7	293.4	310.7	358.1	431.0	440.8	422.8	449.1	443.1
72.5°	2401.2	1652.7	279.8	271.6	282.9	341.5	430.3	430.3	410.7	410.7	399.5
75°	1491.7	971.9	243.7	243.7	243.7	298.6	418.3	396.4	361.8	346.0	337.0
77.5°	736.5	472.4	204.6	212.1	203.9	249.8	341.5	324.2	303.2	286.6	280.6
80°	314.4	236.2	165.5	173.8	164.0	188.1	270.8	267.1	246.7	224.9	218.2
82.5°	144.4	121.9	132.4	136.2	119.6	141.4	197.8	197.8	186.6	156.5	145.2
85°	61.7	64.7	91.8	91.8	75.2	79.7	106.1	100.8	90.3	73.7	67.7
87.5°	21.1	31.6	46.6	40.6	15.8	6.8	3.8	1.5	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)