

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: P634327

Luminaire Tested: GWS-SA3B-740-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10312.4 lumens
Efficiency: N/A
Efficacy: 151.0 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

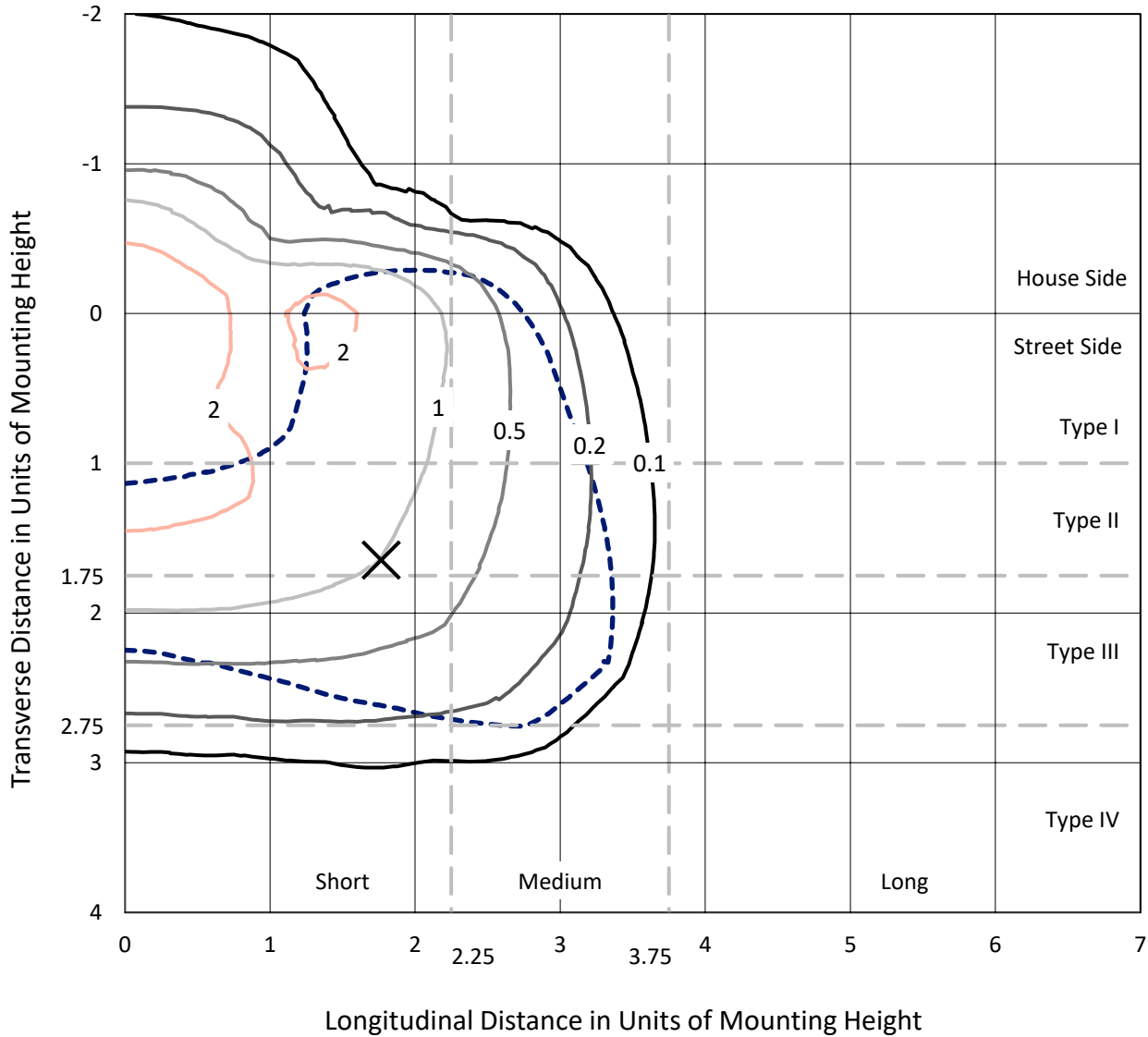
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

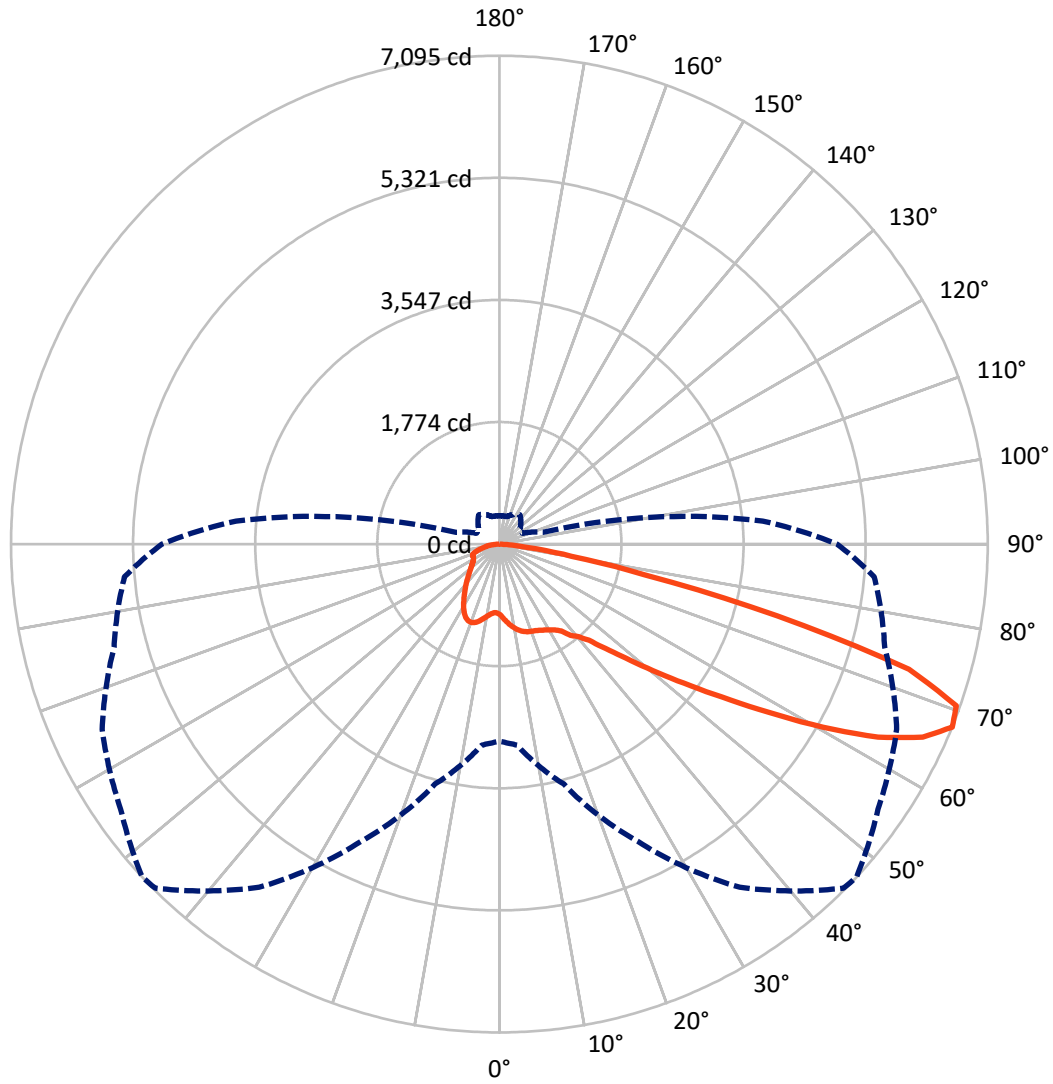
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2350.3	0.0	2350.3
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	7962.1	0.0	7962.1
	% Fixture	77.2	0.0	77.2
Total	Lumens	10312.4	0.0	10312.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.5	1.0
10°-20°	348.1	3.4
20°-30°	591.7	5.7
30°-40°	866.7	8.4
40°-50°	1320.5	12.8
50°-60°	2362.7	22.9
60°-70°	3152.8	30.6
70°-80°	1425.8	13.8
80°-90°	139.7	1.4
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°	10312.4	100.0
0°-180°	10312.4	100.0

Coefficient of Utilization



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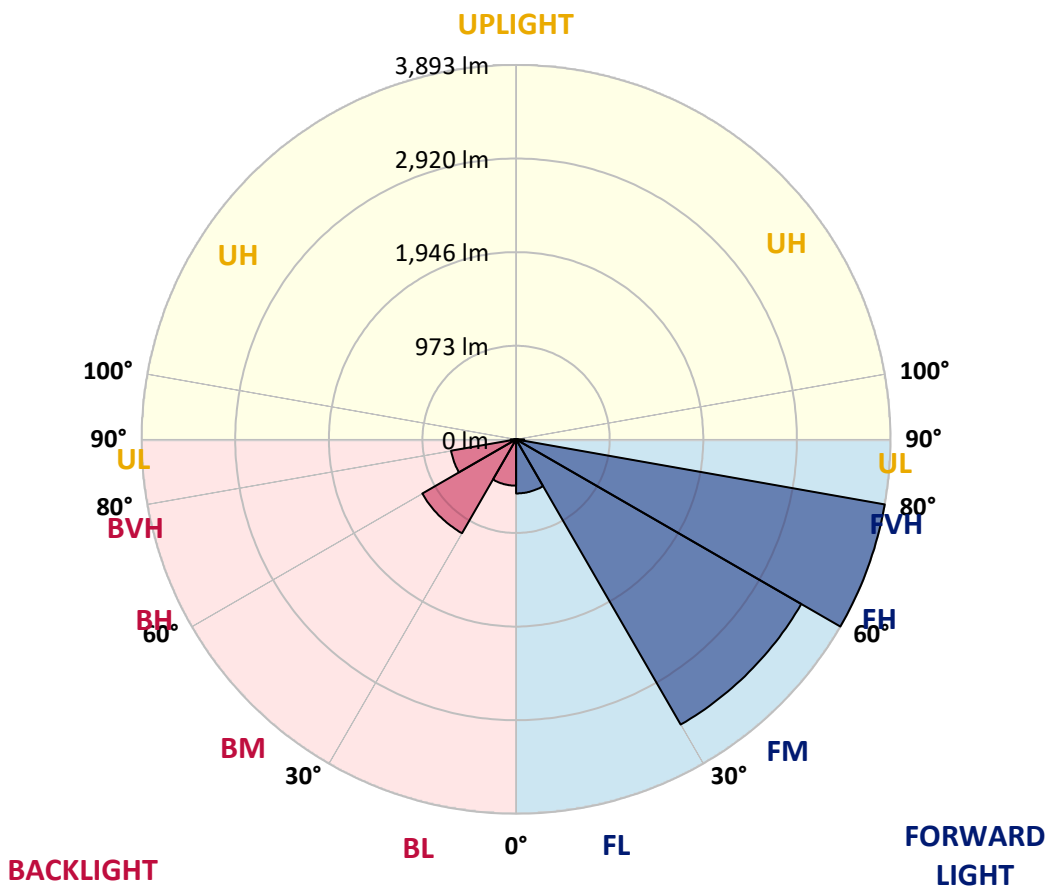
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	562.4	5.5			
FM (30°-60°)	3423.8	33.2			
FH (60°-80°)	3892.8	37.7			G2/5000
FVH (80°-90°)	83.1	0.8			G1/100
BL (0°-30°)	481.8	4.7	B1/500		
BM (30°-60°)	1126.1	10.9	B2/2500		
BH (60°-80°)	685.7	6.6	B2/1000		G2/1000
BVH (80°-90°)	56.6	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°	47°	55°	65°	75°	85°
0°	1022.3	1022.3	1022.3	1022.3	1022.3	1022.3	1022.3	1022.3	1022.3	1022.3	1022.3
2.5°	1090.1	1093.9	1093.1	1087.2	1083.4	1076.7	1077.5	1067.0	1051.4	1040.9	1029.0
5°	1186.3	1192.3	1184.8	1175.1	1160.2	1138.6	1136.4	1112.5	1082.7	1061.8	1040.2
7.5°	1269.8	1273.6	1264.6	1248.2	1226.6	1197.5	1192.3	1164.0	1126.7	1093.9	1062.6
10°	1334.7	1339.2	1327.3	1305.6	1277.3	1248.2	1244.5	1215.4	1175.9	1137.1	1097.6
12.5°	1389.9	1391.4	1378.7	1349.6	1319.1	1289.2	1285.5	1258.7	1222.1	1182.6	1139.4
15°	1422.0	1422.7	1407.0	1375.0	1345.9	1319.8	1317.6	1294.4	1260.9	1223.6	1177.4
17.5°	1419.7	1421.2	1410.0	1381.7	1356.3	1340.7	1338.4	1323.5	1297.4	1263.9	1217.6
20°	1392.1	1393.6	1386.2	1367.5	1354.1	1349.6	1350.4	1345.9	1330.2	1302.6	1255.7
22.5°	1370.5	1372.7	1366.0	1352.6	1351.1	1361.6	1363.8	1366.0	1358.6	1334.0	1288.5
25°	1380.9	1384.7	1374.2	1355.6	1358.6	1381.7	1386.2	1393.6	1387.7	1366.8	1327.3
27.5°	1453.3	1455.5	1428.7	1390.6	1381.7	1406.3	1413.0	1424.9	1420.5	1401.1	1370.5
30°	1621.0	1619.6	1562.1	1468.9	1431.6	1441.3	1446.6	1463.7	1465.2	1452.5	1423.4
32.5°	1857.4	1850.0	1761.2	1612.8	1504.7	1480.9	1486.8	1509.9	1527.1	1513.7	1474.1
35°	2107.2	2100.5	2002.8	1829.1	1639.7	1556.9	1550.2	1568.1	1594.2	1556.9	1500.2
37.5°	2345.1	2334.6	2234.7	2020.0	1806.0	1690.4	1680.7	1662.8	1647.1	1575.6	1532.3
40°	2609.0	2597.1	2509.9	2266.8	1989.4	1792.5	1767.9	1697.1	1682.9	1637.4	1615.8
42.5°	2890.9	2890.9	2818.6	2579.2	2210.9	1938.7	1906.6	1800.0	1814.9	1785.1	1759.7
45°	3172.7	3180.9	3123.5	2893.9	2506.9	2214.6	2163.1	2011.8	2047.6	2034.1	2021.5
47.5°	3412.8	3428.5	3417.3	3215.2	2869.3	2550.1	2471.8	2314.5	2391.3	2423.4	2459.2
50°	3671.6	3688.7	3677.5	3597.8	3293.5	2956.5	2886.4	2723.9	2855.8	2952.0	3069.1
52.5°	4055.6	4080.2	3987.0	3956.4	3808.8	3418.1	3355.4	3170.5	3409.9	3569.4	3830.4
55°	4379.9	4379.2	4346.4	4416.5	4362.0	3982.5	3913.2	3745.4	4051.1	4220.4	4602.1
57.5°	4530.6	4548.5	4661.1	4859.4	4968.3	4672.2	4605.9	4434.4	4739.3	4827.3	5239.7
60°	4608.1	4630.5	4848.2	5240.4	5533.5	5425.3	5399.2	5180.8	5352.3	5341.8	5777.3
62.5°	4499.2	4544.0	4893.7	5414.9	5936.9	6182.2	6174.0	5843.7	5873.5	5771.3	6110.6
65°	3999.7	4048.1	4596.9	5327.7	6167.3	6757.8	6760.1	6443.9	6273.9	5980.1	6054.7
67.5°	2860.3	2929.7	3608.2	4766.9	6086.0	7068.8	7094.9	6716.1	6367.8	5795.2	5467.1
70°	1559.2	1609.9	2141.5	3465.0	5353.8	6994.2	7042.7	6584.8	5953.3	5013.0	4208.4
72.5°	708.4	724.8	996.2	1901.4	3657.4	6020.4	6223.2	5876.5	4889.2	3702.9	2676.1
75°	324.4	331.8	434.0	909.7	1911.1	4028.7	4171.2	4377.0	3402.4	2338.4	1395.1
77.5°	203.6	205.8	246.8	416.1	952.9	2011.0	2160.9	2606.0	1992.4	1157.2	583.1
80°	120.0	122.3	153.6	225.2	447.4	920.1	1062.6	1030.5	936.5	499.6	265.5
82.5°	60.4	62.6	88.7	128.3	243.8	366.1	431.0	433.2	349.0	270.7	149.9
85°	21.6	22.4	29.1	50.7	103.6	120.8	135.0	164.8	170.8	157.3	72.3
87.5°	0.0	0.0	0.7	1.5	3.0	11.9	12.7	23.9	50.0	55.9	29.1
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°	1022.3	1022.3	1022.3	1022.3	1022.3	1022.3	1022.3	1022.3	1022.3	1022.3	1022.3
2.5°	1025.3	1014.1	1010.4	1006.6	1000.7	998.4	994.0	989.5	989.5	985.0	982.8
5°	1030.5	1015.6	1005.9	1001.4	997.7	999.9	999.9	1001.4	1006.6	1003.6	1005.1
7.5°	1049.1	1032.0	1018.6	1014.8	1014.8	1023.8	1029.7	1037.2	1046.9	1048.4	1048.4
10°	1081.9	1061.8	1047.6	1045.4	1049.1	1061.8	1070.8	1079.7	1091.6	1092.4	1093.9
12.5°	1117.7	1097.6	1083.4	1086.4	1090.1	1106.5	1116.2	1123.7	1135.6	1135.6	1134.9
15°	1155.0	1132.6	1120.7	1126.7	1137.9	1156.5	1158.0	1158.7	1164.7	1163.2	1162.5
17.5°	1193.8	1169.9	1161.0	1169.9	1181.9	1190.8	1183.3	1172.9	1170.7	1167.7	1166.2
20°	1231.8	1207.2	1203.5	1210.2	1213.9	1206.5	1183.3	1164.0	1155.0	1150.5	1149.0
22.5°	1264.6	1243.7	1241.5	1241.5	1222.9	1196.8	1162.5	1136.4	1124.4	1118.5	1117.0
25°	1303.4	1284.0	1280.3	1260.1	1212.4	1164.7	1118.5	1094.6	1084.9	1081.9	1082.7
27.5°	1348.9	1335.5	1323.5	1266.1	1182.6	1108.0	1055.8	1045.4	1041.7	1045.4	1047.6
30°	1404.8	1391.4	1364.5	1258.7	1134.9	1034.2	984.3	983.5	994.7	1004.4	1005.9
32.5°	1450.3	1444.3	1400.3	1234.8	1067.8	952.9	910.4	913.4	933.6	947.0	949.2
35°	1486.1	1495.8	1430.2	1195.3	988.0	876.1	842.6	844.1	855.3	873.9	874.6
37.5°	1536.8	1569.6	1457.0	1134.9	896.3	809.8	779.2	768.0	766.5	771.7	773.2
40°	1638.9	1688.2	1476.4	1046.9	807.5	750.1	715.8	694.2	675.6	661.4	656.9
42.5°	1793.3	1850.0	1487.6	940.3	728.5	691.2	652.4	624.9	592.0	562.2	551.8
45°	2076.6	2095.3	1487.6	826.9	658.4	636.0	597.3	564.5	522.7	487.7	480.2
47.5°	2530.0	2470.3	1489.1	717.3	596.5	587.6	554.0	516.7	470.5	441.4	437.0
50°	3213.0	3003.5	1519.6	626.3	545.1	546.6	522.0	480.9	439.2	417.6	413.8
52.5°	3987.0	3660.4	1601.7	559.2	501.8	513.0	499.6	460.1	422.8	404.1	400.4
55°	4714.7	4264.4	1671.7	511.5	465.3	484.7	483.9	447.4	413.8	395.2	393.0
57.5°	5333.6	4678.2	1661.3	472.7	434.0	458.6	469.8	439.2	407.9	392.2	390.0
60°	5718.4	4897.4	1512.9	437.0	410.1	439.9	461.6	437.0	410.9	407.1	407.9
62.5°	5885.4	4857.2	1228.1	410.1	394.4	431.0	470.5	452.6	438.4	447.4	452.6
65°	5625.9	4511.2	903.7	390.0	379.5	433.2	491.4	477.2	438.4	444.4	446.6
67.5°	4905.6	3840.1	653.2	369.8	360.9	439.9	521.2	473.5	413.1	413.1	408.6
70°	3535.1	2761.9	474.2	349.7	342.3	430.2	522.7	448.1	384.0	381.8	370.6
72.5°	2127.3	1629.2	369.8	327.3	313.9	381.8	489.9	418.3	355.7	337.0	323.6
75°	1105.1	816.5	310.2	302.7	269.2	323.6	448.1	372.1	304.2	287.8	280.4
77.5°	473.5	381.8	266.2	269.9	223.7	272.2	361.6	322.1	269.9	249.0	242.3
80°	233.4	217.0	210.3	216.2	179.0	210.3	311.7	281.9	228.9	205.1	195.4
82.5°	133.5	126.8	151.4	153.6	127.5	176.0	263.2	238.6	189.4	163.3	147.6
85°	61.9	66.4	91.7	92.5	79.0	120.8	172.2	134.2	100.7	83.5	79.8
87.5°	24.6	29.1	40.3	39.5	23.1	22.4	14.9	8.2	6.7	6.0	5.2
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)