

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: P634437

Luminaire Tested: GWS-SA3B-760-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634437
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-760-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10404.1 lumens
Efficiency: N/A
Efficacy: 152.3 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

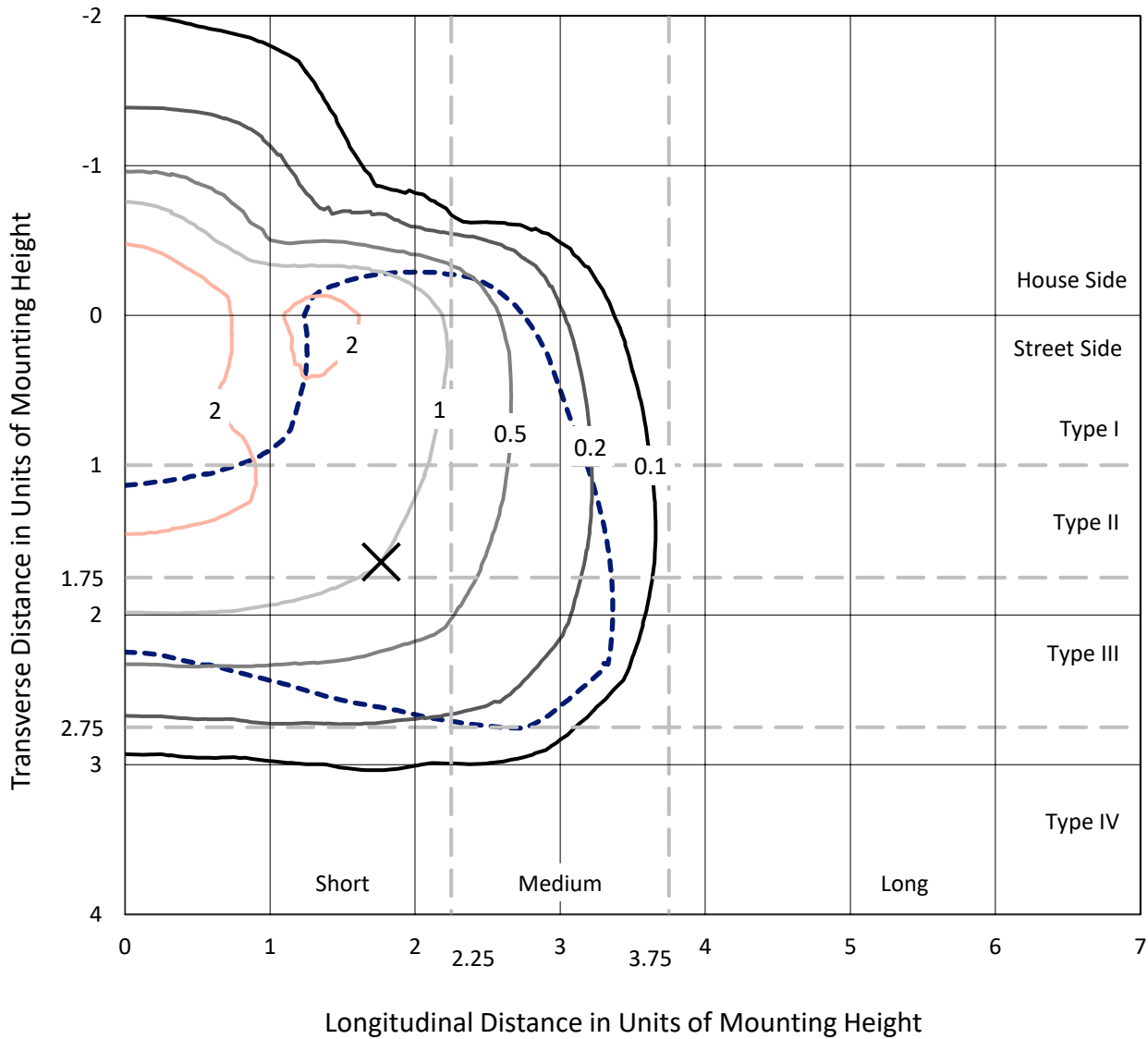
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634437
 CATALOG NUMBER: GWS-SA3B-760-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

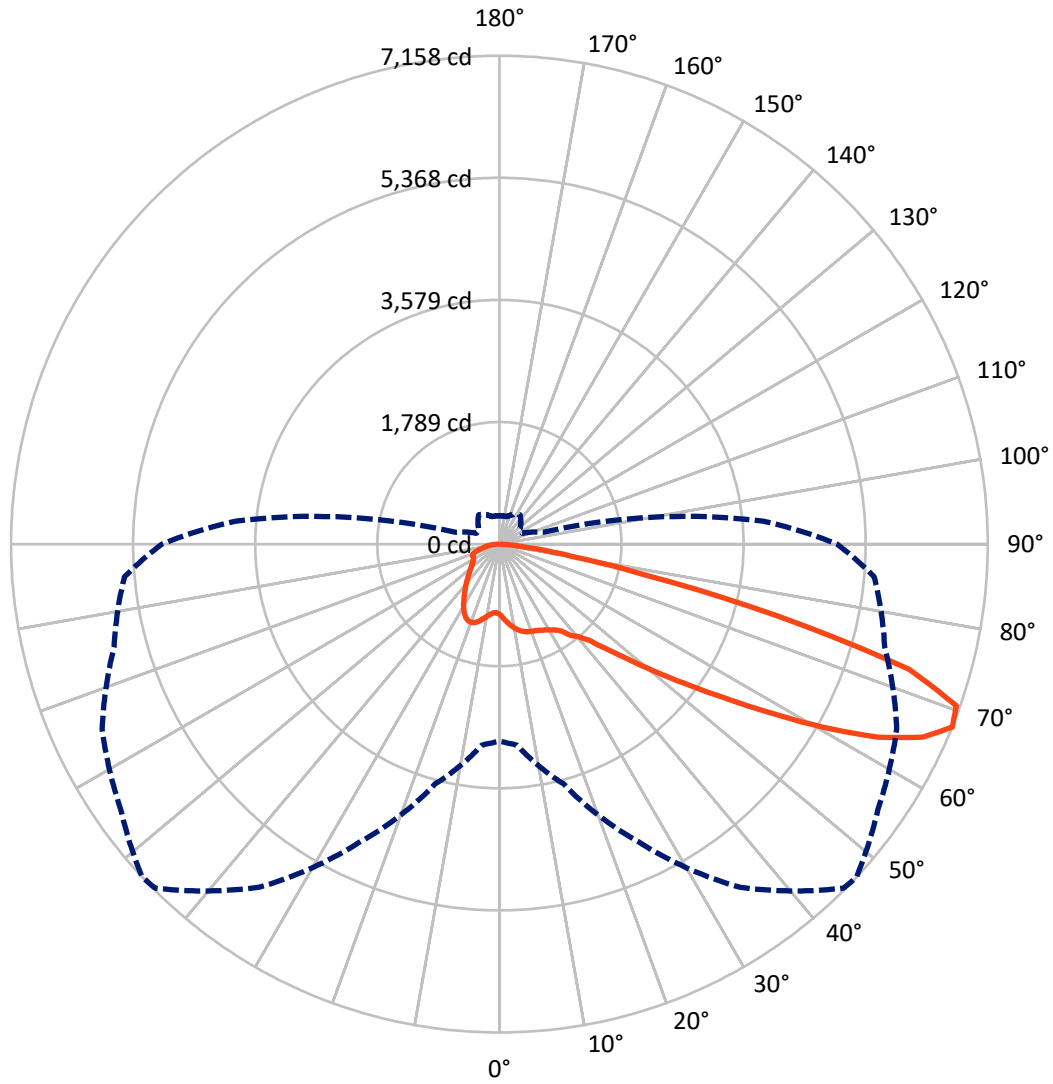
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P634437
CATALOG NUMBER: GWS-SA3B-760-U-T4W-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634437

CATALOG NUMBER: GWS-SA3B-760-U-T4W-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2371.2	0.0	2371.2
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	8032.9	0.0	8032.9
	% Fixture	77.2	0.0	77.2
Total	Lumens	10404.1	0.0	10404.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.4	1.0
10°-20°	351.2	3.4
20°-30°	596.9	5.7
30°-40°	874.4	8.4
40°-50°	1332.3	12.8
50°-60°	2383.7	22.9
60°-70°	3180.8	30.6
70°-80°	1438.4	13.8
80°-90°	140.9	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°	10404.1	100.0
0°-180°	10404.1	100.0

Coefficient of Utilization



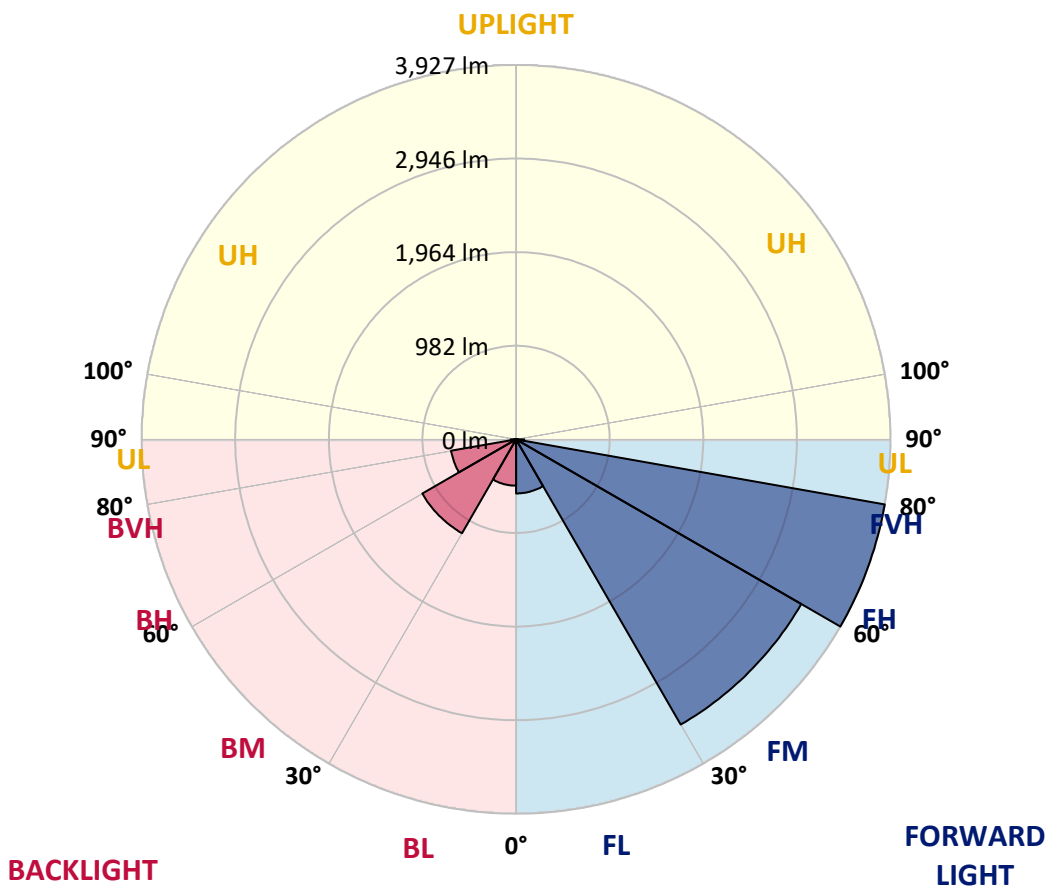
REPORT NUMBER: P634437

CATALOG NUMBER: GWS-SA3B-760-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.4	5.5			
FM (30°-60°)	3454.3	33.2			
FH (60°-80°)	3927.4	37.7			G2/5000
FVH (80°-90°)	83.8	0.8			G1/100
BL (0°-30°)	486.1	4.7	B1/500		
BM (30°-60°)	1136.1	10.9	B2/2500		
BH (60°-80°)	691.8	6.6	B2/1000		G2/1000
BVH (80°-90°)	57.1	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





REPORT NUMBER: P634437
 CATALOG NUMBER: GWS-SA3B-760-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4
2.5°	1099.8	1103.6	1102.8	1096.8	1093.1	1086.3	1087.0	1076.5	1060.7	1050.2	1038.1
5°	1196.9	1202.9	1195.4	1185.6	1170.5	1148.7	1146.5	1122.4	1092.3	1071.2	1049.4
7.5°	1281.1	1284.9	1275.9	1259.3	1237.5	1208.2	1202.9	1174.3	1136.7	1103.6	1072.0
10°	1346.6	1351.1	1339.1	1317.2	1288.7	1259.3	1255.6	1226.2	1186.3	1147.2	1107.4
12.5°	1402.2	1403.8	1391.0	1361.6	1330.8	1300.7	1296.9	1269.8	1233.0	1193.1	1149.5
15°	1434.6	1435.3	1419.6	1387.2	1357.9	1331.5	1329.3	1306.0	1272.1	1234.5	1187.8
17.5°	1432.3	1433.8	1422.6	1394.0	1368.4	1352.6	1350.3	1335.3	1309.0	1275.1	1228.5
20°	1404.5	1406.0	1398.5	1379.7	1366.1	1361.6	1362.4	1357.9	1342.1	1314.2	1266.8
22.5°	1382.7	1384.9	1378.2	1364.6	1363.1	1373.7	1375.9	1378.2	1370.7	1345.8	1299.9
25°	1393.2	1397.0	1386.5	1367.6	1370.7	1394.0	1398.5	1406.0	1400.0	1378.9	1339.1
27.5°	1466.2	1468.5	1441.4	1403.0	1394.0	1418.8	1425.6	1437.6	1433.1	1413.5	1382.7
30°	1635.5	1634.0	1576.0	1482.0	1444.4	1454.2	1459.4	1476.7	1478.2	1465.4	1436.1
32.5°	1873.9	1866.4	1776.9	1627.2	1518.1	1494.0	1500.0	1523.4	1540.7	1527.1	1487.3
35°	2125.9	2119.2	2020.6	1845.3	1654.3	1570.8	1564.0	1582.0	1608.4	1570.8	1513.6
37.5°	2365.9	2355.4	2254.6	2037.9	1822.0	1705.4	1695.6	1677.6	1661.8	1589.6	1545.9
40°	2632.2	2620.2	2532.2	2286.9	2007.1	1808.5	1783.7	1712.2	1697.9	1652.0	1630.2
42.5°	2916.6	2916.6	2843.6	2602.1	2230.5	1955.9	1923.6	1816.0	1831.0	1801.0	1775.4
45°	3201.0	3209.2	3151.3	2919.6	2529.2	2234.3	2182.4	2029.7	2065.8	2052.2	2039.4
47.5°	3443.2	3459.0	3447.7	3243.8	2894.8	2572.8	2493.8	2335.1	2412.6	2444.9	2481.0
50°	3704.2	3721.5	3710.2	3629.7	3322.8	2982.8	2912.1	2748.1	2881.2	2978.3	3096.4
52.5°	4091.6	4116.5	4022.4	3991.6	3842.6	3448.5	3385.3	3198.7	3440.2	3601.2	3864.5
55°	4418.9	4418.1	4385.0	4455.8	4400.8	4017.9	3948.0	3778.7	4087.1	4257.9	4643.1
57.5°	4570.9	4588.9	4702.5	4902.6	5012.4	4713.8	4646.8	4473.8	4781.5	4870.3	5286.3
60°	4649.1	4671.7	4891.3	5287.0	5582.7	5473.6	5447.3	5226.8	5399.9	5389.3	5828.7
62.5°	4539.3	4584.4	4937.2	5463.1	5989.7	6237.2	6228.9	5895.6	5925.7	5822.6	6164.9
65°	4035.2	4084.1	4637.8	5375.0	6222.1	6817.9	6820.2	6501.2	6329.7	6033.3	6108.5
67.5°	2885.7	2955.7	3640.3	4809.3	6140.1	7131.6	7157.9	6775.8	6424.5	5846.7	5515.7
70°	1573.0	1624.2	2160.5	3495.8	5401.4	7056.4	7105.3	6643.4	6006.2	5057.6	4245.9
72.5°	714.7	731.2	1005.0	1918.3	3689.9	6073.9	6278.5	5928.7	4932.7	3735.8	2699.9
75°	327.2	334.8	437.8	917.8	1928.1	4064.6	4208.3	4415.9	3432.7	2359.1	1407.5
77.5°	205.4	207.6	249.0	419.8	961.4	2028.9	2180.1	2629.2	2010.1	1167.5	588.3
80°	121.1	123.4	155.0	227.2	451.4	928.3	1072.0	1039.7	944.9	504.0	267.8
82.5°	60.9	63.2	89.5	129.4	246.0	369.4	434.8	437.1	352.1	273.1	151.2
85°	21.8	22.6	29.3	51.2	104.6	121.9	136.2	166.3	172.3	158.7	73.0
87.5°	0.0	0.0	0.8	1.5	3.0	12.0	12.8	24.1	50.4	56.4	29.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P634437
 CATALOG NUMBER: GWS-SA3B-760-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4
2.5°	1034.4	1023.1	1019.3	1015.6	1009.6	1007.3	1002.8	998.3	998.3	993.8	991.5
5°	1039.7	1024.6	1014.8	1010.3	1006.6	1008.8	1008.8	1010.3	1015.6	1012.6	1014.1
7.5°	1058.5	1041.2	1027.6	1023.9	1023.9	1032.9	1038.9	1046.4	1056.2	1057.7	1057.7
10°	1091.6	1071.2	1057.0	1054.7	1058.5	1071.2	1080.3	1089.3	1101.3	1102.1	1103.6
12.5°	1127.7	1107.4	1093.1	1096.1	1099.8	1116.4	1126.2	1133.7	1145.7	1145.7	1145.0
15°	1165.3	1142.7	1130.7	1136.7	1148.0	1166.8	1168.3	1169.0	1175.1	1173.6	1172.8
17.5°	1204.4	1180.3	1171.3	1180.3	1192.4	1201.4	1193.9	1183.3	1181.1	1178.1	1176.6
20°	1242.8	1217.9	1214.2	1221.0	1224.7	1217.2	1193.9	1174.3	1165.3	1160.8	1159.3
22.5°	1275.9	1254.8	1252.5	1252.5	1233.7	1207.4	1172.8	1146.5	1134.4	1128.4	1126.9
25°	1315.0	1295.4	1291.7	1271.4	1223.2	1175.1	1128.4	1104.3	1094.6	1091.6	1092.3
27.5°	1360.9	1347.3	1335.3	1277.4	1193.1	1117.9	1065.2	1054.7	1050.9	1054.7	1057.0
30°	1417.3	1403.8	1376.7	1269.8	1145.0	1043.4	993.0	992.3	1003.5	1013.3	1014.8
32.5°	1463.2	1457.2	1412.8	1245.8	1077.3	961.4	918.5	921.5	941.9	955.4	957.7
35°	1499.3	1509.1	1442.9	1205.9	996.8	883.9	850.1	851.6	862.9	881.7	882.4
37.5°	1550.4	1583.5	1470.0	1145.0	904.2	817.0	786.1	774.8	773.3	778.6	780.1
40°	1653.5	1703.2	1489.5	1056.2	814.7	756.8	722.2	700.4	681.6	667.3	662.8
42.5°	1809.2	1866.4	1500.8	948.6	735.0	697.4	658.2	630.4	597.3	567.2	556.7
45°	2095.1	2113.9	1500.8	834.3	664.3	641.7	602.6	569.5	527.3	492.0	484.5
47.5°	2552.5	2492.3	1502.3	723.7	601.8	592.8	558.9	521.3	474.7	445.3	440.8
50°	3241.6	3030.2	1533.1	631.9	549.9	551.4	526.6	485.2	443.1	421.3	417.5
52.5°	4022.4	3692.9	1615.9	564.2	506.3	517.6	504.0	464.2	426.5	407.7	404.0
55°	4756.7	4302.3	1686.6	516.1	469.4	489.0	488.2	451.4	417.5	398.7	396.5
57.5°	5381.1	4719.8	1676.1	476.9	437.8	462.7	473.9	443.1	411.5	395.7	393.4
60°	5769.2	4941.0	1526.4	440.8	413.8	443.8	465.7	440.8	414.5	410.7	411.5
62.5°	5937.7	4900.4	1239.0	413.8	398.0	434.8	474.7	456.6	442.3	451.4	456.6
65°	5676.0	4551.3	911.8	393.4	382.9	437.1	495.8	481.5	442.3	448.4	450.6
67.5°	4949.2	3874.2	659.0	373.1	364.1	443.8	525.8	477.7	416.8	416.8	412.2
70°	3566.6	2786.4	478.4	352.8	345.3	434.1	527.3	452.1	387.4	385.2	373.9
72.5°	2146.3	1643.7	373.1	330.3	316.7	385.2	494.2	422.0	358.8	340.0	326.5
75°	1114.9	823.7	312.9	305.4	271.6	326.5	452.1	375.4	306.9	290.4	282.9
77.5°	477.7	385.2	268.6	272.3	225.7	274.6	364.9	325.0	272.3	251.3	244.5
80°	235.5	218.9	212.1	218.2	180.5	212.1	314.5	284.4	230.9	206.9	197.1
82.5°	134.7	127.9	152.7	155.0	128.6	177.5	265.6	240.7	191.1	164.7	149.0
85°	62.4	67.0	92.5	93.3	79.7	121.9	173.8	135.4	101.6	84.3	80.5
87.5°	24.8	29.3	40.6	39.9	23.3	22.6	15.0	8.3	6.8	6.0	5.3
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)