

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: P630457

Luminaire Tested: GWS-SA1D-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6106.5 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B2 - U0 - G2

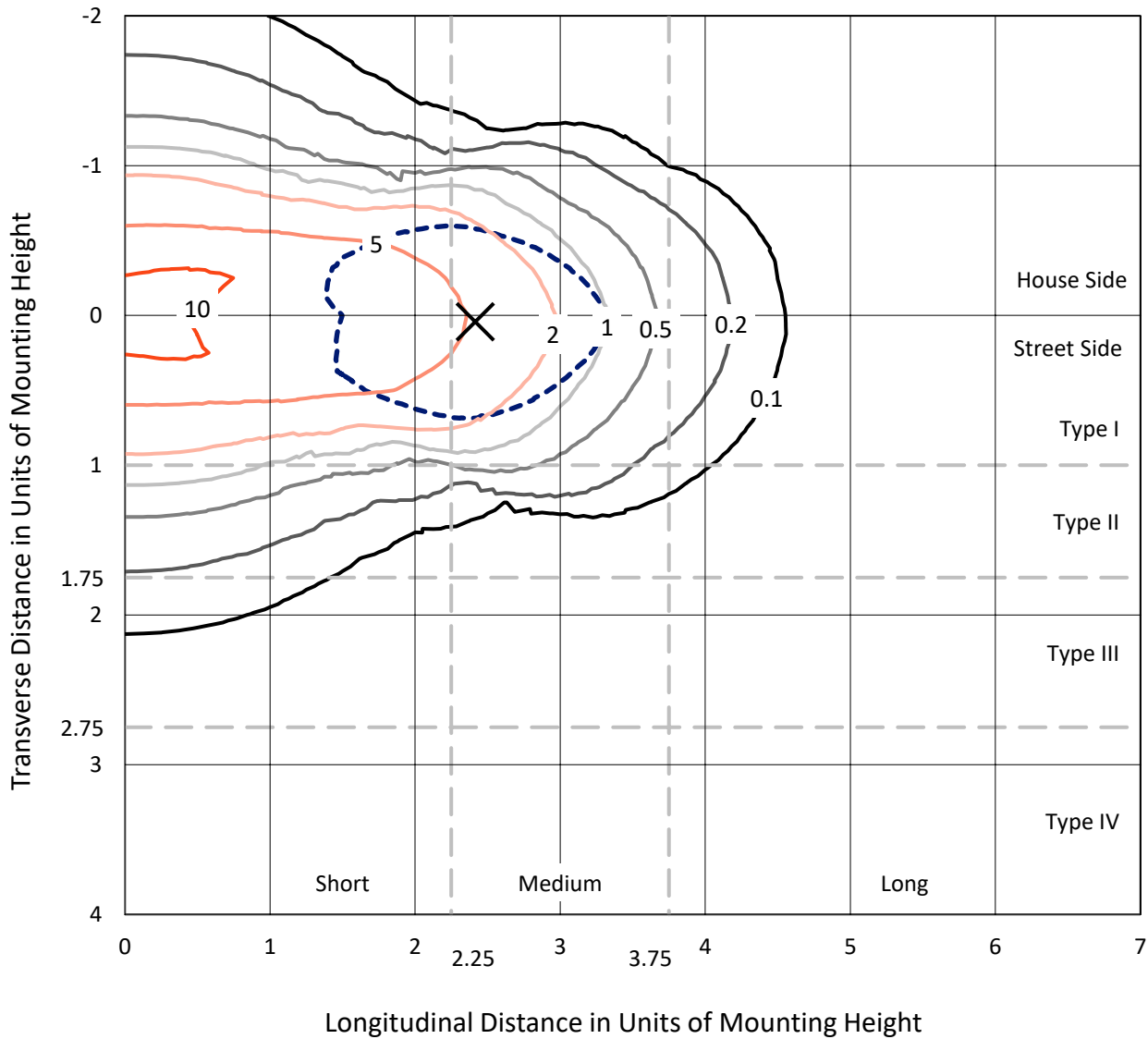
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630457
 CATALOG NUMBER: GWS-SA1D-760-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

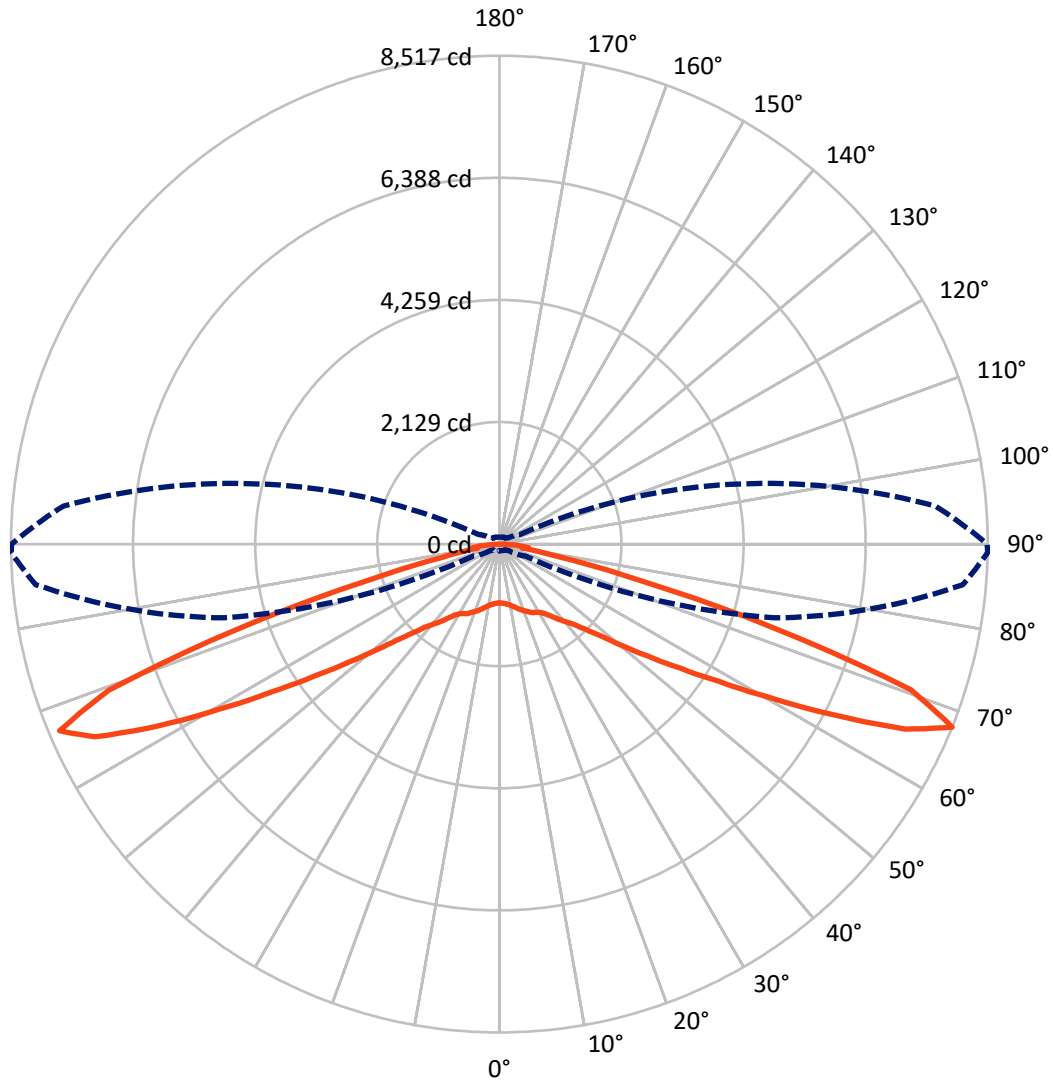
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type I - Medium - N/A

REPORT NUMBER: P630457
CATALOG NUMBER: GWS-SA1D-760-U-T1-W

Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P630457

CATALOG NUMBER: GWS-SA1D-760-U-T1-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3026.5	0.0	3026.5
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	3080.0	0.0	3080.0
	% Fixture	50.4	0.0	50.4
Total	Lumens	6106.5	0.0	6106.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	1.7
10°-20°	334.8	5.5
20°-30°	565.9	9.3
30°-40°	776.6	12.7
40°-50°	990.4	16.2
50°-60°	1242.5	20.3
60°-70°	1498.6	24.5
70°-80°	542.2	8.9
80°-90°	52.7	0.9
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°	6106.5	100.0
0°-180°	6106.5	100.0

Coefficient of Utilization



REPORT NUMBER: P630457

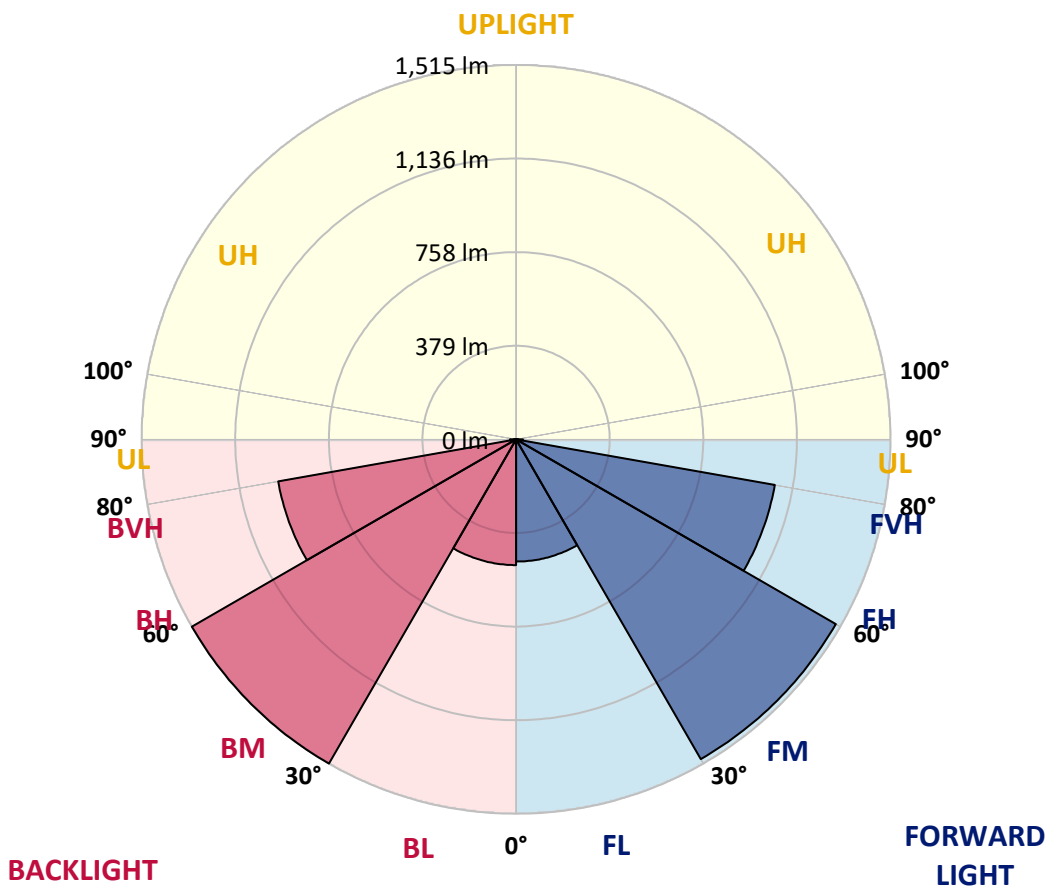
CATALOG NUMBER: GWS-SA1D-760-U-T1-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	494.6	8.1			
FM (30°-60°)	1494.4	24.5			
FH (60°-80°)	1063.2	17.4			G1/1800
FVH (80°-90°)	27.8	0.5			G1/100
BL (0°-30°)	508.9	8.3	B2/1000		
BM (30°-60°)	1515.1	24.8	B2/2500		
BH (60°-80°)	977.5	16.0	B2/1000		G2/1000
BVH (80°-90°)	24.9	0.4			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 I Medium





REPORT NUMBER: P630457
 CATALOG NUMBER: GWS-SA1D-760-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°	
0°	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9
2.5°	1028.0	1027.1	1024.9	1031.5	1030.2	1030.6	1033.3	1031.5	1028.4	1023.2	1030.6	1030.6
5°	1056.9	1056.5	1051.7	1055.6	1051.2	1048.2	1047.7	1043.3	1039.8	1034.1	1042.0	1042.0
7.5°	1085.0	1084.6	1080.6	1087.6	1084.1	1080.6	1076.7	1067.9	1059.6	1051.2	1060.0	1060.0
10°	1106.5	1106.1	1105.2	1115.3	1116.1	1117.5	1115.7	1100.8	1086.3	1076.2	1085.0	1085.0
12.5°	1118.8	1120.1	1122.3	1140.7	1149.9	1158.7	1160.9	1148.6	1124.5	1110.0	1120.5	1120.5
15°	1110.4	1113.1	1124.0	1157.4	1182.8	1202.5	1210.9	1200.8	1169.7	1145.5	1157.4	1157.4
17.5°	1070.5	1072.7	1094.2	1145.1	1201.2	1246.8	1260.4	1254.3	1219.6	1190.3	1201.7	1201.7
20°	1015.3	1020.1	1043.3	1114.4	1198.2	1277.5	1313.9	1311.7	1274.0	1228.9	1242.5	1242.5
22.5°	965.3	971.0	995.5	1074.0	1177.5	1285.4	1367.9	1373.6	1323.6	1267.5	1278.4	1278.4
25°	909.1	914.4	946.0	1026.2	1142.0	1279.3	1413.9	1439.8	1379.7	1311.7	1321.8	1321.8
27.5°	851.7	855.6	886.8	972.3	1095.5	1267.9	1450.3	1512.6	1435.0	1342.4	1349.5	1349.5
30°	801.3	806.5	835.0	918.4	1044.7	1245.1	1480.2	1590.2	1498.6	1377.1	1382.8	1382.8
32.5°	752.6	757.0	788.1	865.3	990.7	1210.0	1506.9	1681.5	1592.9	1441.6	1441.6	1441.6
35°	691.2	699.1	734.2	814.4	939.8	1163.5	1526.2	1787.6	1721.8	1536.7	1537.2	1537.2
37.5°	634.6	639.0	675.8	757.0	886.3	1110.9	1528.0	1897.7	1885.0	1657.8	1658.7	1658.7
40°	570.1	575.8	615.3	695.6	824.9	1055.6	1511.3	2000.3	2056.0	1782.3	1777.5	1777.5
42.5°	504.8	513.1	550.8	629.3	758.7	988.1	1467.0	2098.1	2273.1	1926.6	1914.8	1914.8
45°	441.6	446.9	484.6	558.7	682.8	907.4	1396.0	2191.9	2531.0	2145.9	2128.8	2128.8
47.5°	370.6	372.8	411.8	482.9	604.3	817.5	1294.2	2275.7	2814.3	2436.2	2406.8	2406.8
50°	307.4	310.5	341.2	402.2	508.3	710.9	1167.5	2324.8	3175.2	2832.3	2781.4	2781.4
52.5°	248.7	251.7	276.3	325.0	420.1	589.4	1010.5	2313.4	3541.4	3323.9	3249.8	3249.8
55°	200.9	203.1	219.7	257.9	330.7	468.8	824.9	2211.2	3948.0	3965.9	3806.3	3806.3
57.5°	169.7	170.6	182.0	205.2	258.3	361.4	636.8	1970.0	4374.2	4785.2	4522.9	4522.9
60°	151.7	152.2	157.4	171.9	203.9	275.9	466.6	1585.9	4815.9	5810.1	5450.5	5450.5
62.5°	140.3	140.3	144.7	153.1	169.3	212.3	343.0	1139.0	5133.0	6925.4	6568.0	6568.0
65°	129.4	129.4	132.4	139.5	148.2	173.2	257.4	734.6	5288.7	7857.8	7778.4	7778.4
67.5°	115.3	115.8	118.0	125.4	133.3	144.7	195.2	496.9	4965.4	8115.6	8517.4	8517.4
70°	102.2	102.6	105.7	110.5	117.1	125.0	152.6	342.5	3614.2	6759.2	7615.7	7615.7
72.5°	87.7	89.5	91.7	96.9	100.9	106.6	124.6	221.9	2102.9	4347.9	5034.3	5034.3
75°	71.9	74.1	76.7	82.0	84.6	86.8	102.6	158.3	1011.8	2203.4	2509.0	2509.0
77.5°	55.7	57.9	61.0	65.8	67.5	70.2	78.5	114.5	484.6	976.7	1053.0	1053.0
80°	37.3	38.2	40.8	46.5	49.6	51.3	57.9	78.1	210.5	392.1	388.6	388.6
82.5°	22.8	23.2	24.1	27.6	28.9	30.7	37.7	47.8	100.4	445.6	510.9	510.9
85°	8.3	7.9	7.5	9.6	11.4	13.2	17.5	24.1	43.9	306.1	342.5	342.5
87.5°	0.0	0.0	0.0	0.4	0.9	0.9	1.8	3.5	10.5	114.5	78.5	78.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630457
 CATALOG NUMBER: GWS-SA1D-760-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9
2.5°	1028.4	1023.6	1029.8	1034.1	1043.8	1047.3	1048.2	1045.1	1045.1	1039.8	1040.7
5°	1040.3	1037.2	1047.3	1054.7	1068.8	1074.0	1077.6	1075.4	1076.7	1073.2	1074.0
7.5°	1058.3	1055.6	1073.2	1087.6	1102.1	1108.3	1111.3	1109.6	1110.0	1105.6	1106.9
10°	1083.3	1084.1	1105.2	1124.0	1143.3	1149.5	1150.8	1145.5	1141.1	1133.3	1133.7
12.5°	1117.5	1121.8	1151.7	1172.7	1192.5	1201.2	1191.6	1172.3	1154.3	1140.7	1139.0
15°	1154.7	1162.6	1205.6	1232.4	1253.9	1249.5	1221.0	1177.5	1142.0	1121.8	1117.9
17.5°	1199.5	1211.3	1265.3	1297.3	1315.7	1287.6	1228.0	1163.1	1113.5	1086.3	1081.1
20°	1241.6	1260.4	1328.4	1370.1	1372.3	1309.1	1224.9	1133.7	1071.4	1038.1	1031.1
22.5°	1280.2	1304.3	1394.6	1447.7	1419.2	1318.8	1206.1	1092.0	1020.5	981.5	975.4
25°	1322.3	1356.5	1471.8	1521.4	1466.1	1314.8	1166.6	1040.3	959.1	919.2	914.8
27.5°	1351.2	1394.2	1549.5	1596.8	1504.7	1292.5	1115.7	983.7	903.0	865.3	859.1
30°	1384.6	1439.4	1635.0	1678.8	1528.4	1259.6	1061.3	931.1	850.8	810.0	805.6
32.5°	1445.1	1513.9	1741.1	1765.7	1535.9	1218.8	1009.1	880.2	796.4	755.6	749.5
35°	1542.4	1623.1	1890.2	1862.6	1530.2	1174.0	959.6	820.6	740.7	702.6	696.4
37.5°	1665.2	1765.7	2056.4	1949.9	1514.4	1124.9	900.8	770.6	690.7	652.1	648.6
40°	1779.7	1903.4	2242.8	2025.3	1482.4	1064.4	844.2	718.4	636.8	596.0	588.1
42.5°	1923.1	2087.6	2458.6	2090.6	1429.7	992.0	780.6	653.9	569.3	532.4	522.8
45°	2141.1	2345.4	2709.5	2153.4	1351.2	903.0	700.8	575.4	495.1	457.4	450.0
47.5°	2413.0	2667.8	2981.4	2190.6	1231.9	809.2	610.5	492.5	412.3	369.7	366.2
50°	2795.0	3136.6	3273.0	2184.1	1098.6	697.8	508.7	393.8	326.7	296.0	291.2
52.5°	3260.3	3725.2	3588.3	2105.1	956.9	571.0	396.5	309.2	259.2	237.3	233.3
55°	3844.0	4429.9	3920.3	1935.8	778.0	437.2	311.4	243.8	209.6	196.5	194.7
57.5°	4566.8	5342.6	4240.0	1650.8	585.0	333.7	239.9	201.3	185.1	177.2	176.7
60°	5520.7	6311.4	4517.7	1282.8	418.8	255.2	198.2	179.8	167.1	161.8	161.4
62.5°	6654.8	7191.2	4690.5	873.6	314.9	203.5	174.5	163.1	155.7	152.6	152.2
65°	7820.5	7747.3	4608.0	572.3	239.0	172.8	156.6	150.4	143.8	140.8	140.8
67.5°	8509.0	7629.7	3975.2	397.3	189.5	151.7	141.2	135.5	124.6	121.9	121.9
70°	7536.7	6182.5	2605.5	290.8	153.5	132.9	122.8	114.9	110.5	107.9	107.4
72.5°	4984.7	4023.0	1385.4	201.7	128.1	113.1	103.9	100.9	95.6	93.0	92.5
75°	2481.0	2113.0	710.0	145.6	106.6	90.8	86.8	85.5	81.1	77.6	76.7
77.5°	1034.1	940.7	331.1	105.7	81.1	73.2	69.7	69.7	64.9	61.0	59.2
80°	389.9	347.3	156.6	72.4	60.1	54.4	52.2	50.4	46.5	41.7	39.0
82.5°	521.5	340.8	76.7	45.2	39.5	35.1	32.0	30.7	28.5	26.3	24.6
85°	337.7	242.1	34.6	23.2	19.7	14.9	13.2	12.3	11.0	9.6	8.8
87.5°	68.9	81.1	10.5	4.4	2.6	1.3	1.3	0.4	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)