

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: P630276

Luminaire Tested: GWS-SA1D-735-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4741 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

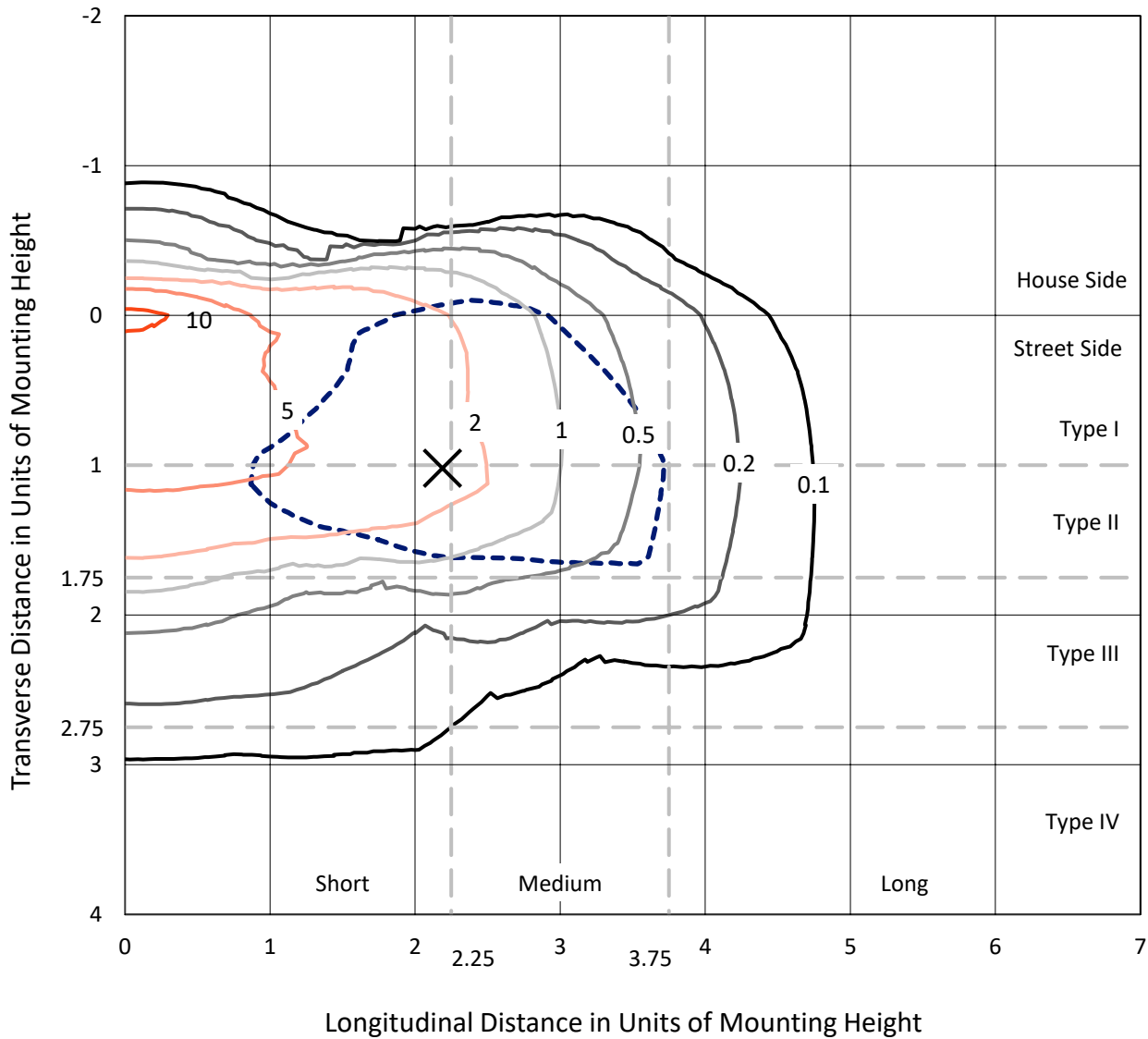
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630276
 CATALOG NUMBER: GWS-SA1D-735-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

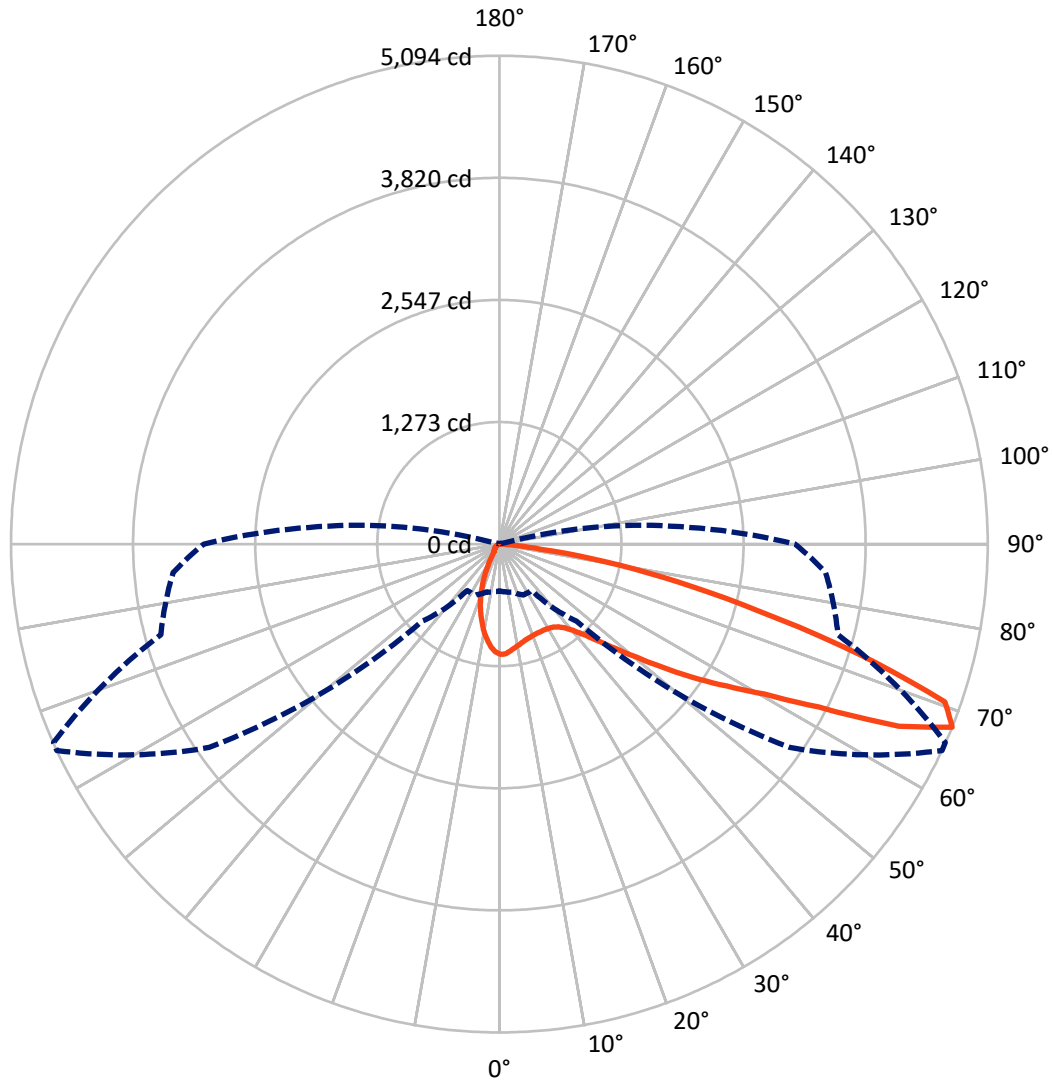
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
 Type II - Short - N/A

REPORT NUMBER: P630276
CATALOG NUMBER: GWS-SA1D-735-U-SL2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P630276
 CATALOG NUMBER: GWS-SA1D-735-U-SL2-W-HSS

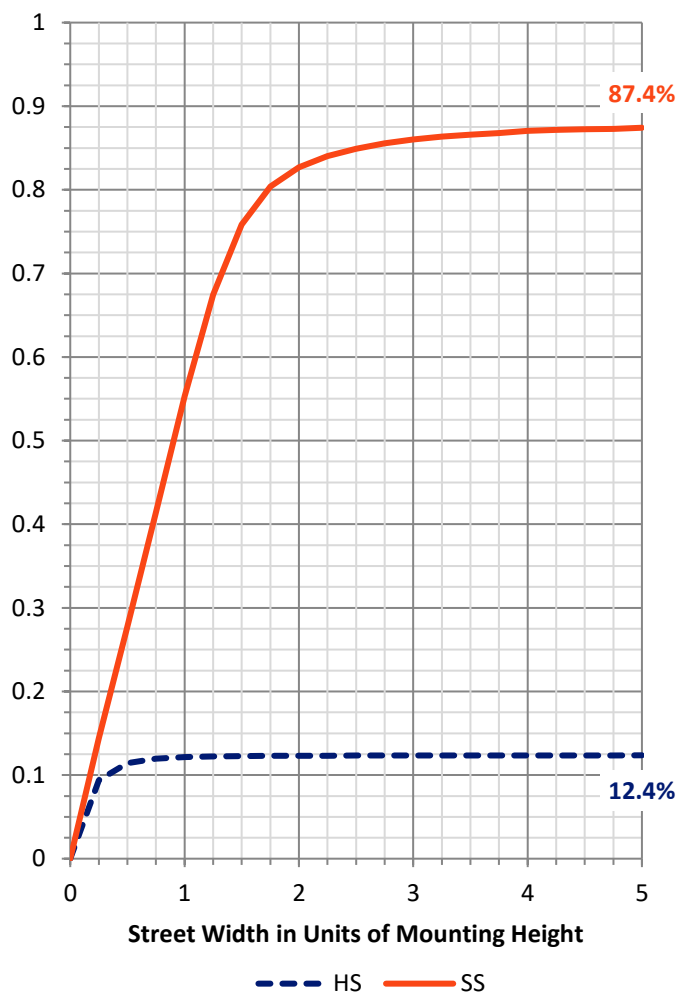
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	592.0	0.0	592.0
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	4149.0	0.0	4149.0
	% Fixture	87.5	0.0	87.5
Total	Lumens	4741.0	0.0	4741.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	2.0
10°-20°	214.7	4.5
20°-30°	306.8	6.5
30°-40°	446.3	9.4
40°-50°	699.0	14.7
50°-60°	1090.4	23.0
60°-70°	1197.8	25.3
70°-80°	637.5	13.4
80°-90°	53.1	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°	4741.0	100.0
0°-180°	4741.0	100.0

Coefficient of Utilization



REPORT NUMBER: P630276

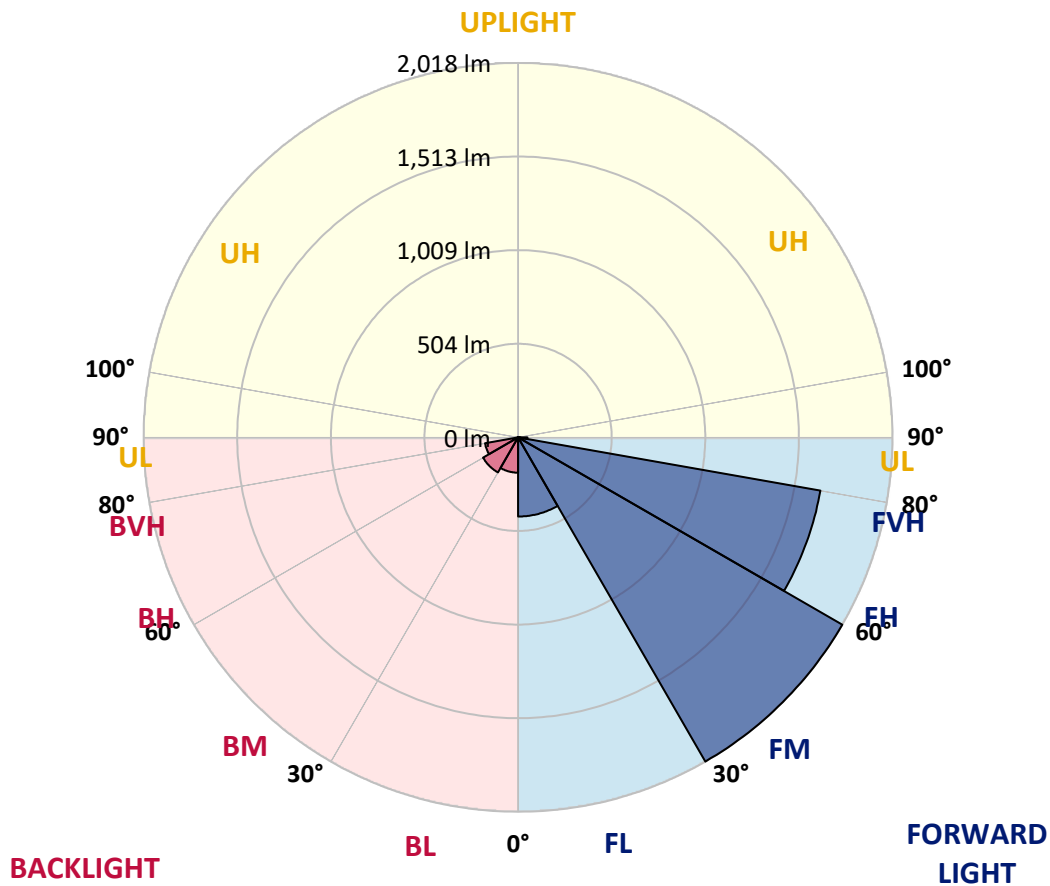
CATALOG NUMBER: GWS-SA1D-735-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	426.7	9.0			
FM (30°-60°)	2017.7	42.6			
FH (60°-80°)	1654.4	34.9			G1/1800
FVH (80°-90°)	50.2	1.1			G1/100
BL (0°-30°)	190.3	4.0	B1/500		
BM (30°-60°)	218.1	4.6	B0/220		
BH (60°-80°)	180.8	3.8	B1/500		G1/500
BVH (80°-90°)	2.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P630276

CATALOG NUMBER: GWS-SA1D-735-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1149.8	1149.8	1149.8	1149.8	1149.8	1149.8	1149.8	1149.8	1149.8	1149.8	1149.8
2.5°	1110.0	1113.4	1108.7	1120.3	1122.4	1135.3	1142.6	1147.7	1147.3	1153.7	1153.7
5°	1044.8	1048.2	1045.7	1058.1	1068.0	1088.1	1104.8	1124.1	1125.0	1144.7	1152.0
7.5°	989.5	989.9	989.9	1005.4	1018.2	1043.1	1068.0	1097.5	1101.0	1131.4	1150.7
10°	944.1	945.3	945.8	963.3	977.5	1007.5	1039.2	1074.8	1078.7	1119.8	1149.8
12.5°	912.8	913.2	914.9	933.3	948.8	980.1	1012.2	1052.9	1058.1	1106.5	1146.0
15°	897.8	896.9	897.8	913.2	928.6	958.6	991.6	1035.4	1040.9	1095.4	1146.4
17.5°	896.9	895.6	894.8	906.3	916.2	942.8	976.2	1023.8	1029.8	1090.2	1151.1
20°	909.3	908.5	904.2	909.3	911.5	933.3	966.3	1014.8	1020.8	1089.4	1161.4
22.5°	941.9	939.8	933.3	928.6	917.0	929.9	959.5	1008.4	1015.2	1091.5	1174.7
25°	990.4	989.5	981.4	969.8	940.2	935.1	959.9	1008.4	1014.8	1094.1	1188.9
27.5°	1063.2	1058.1	1047.8	1027.7	985.2	955.2	968.5	1010.9	1017.4	1097.5	1200.4
30°	1137.4	1137.0	1133.6	1113.0	1049.9	993.8	986.5	1017.8	1023.8	1100.5	1211.1
32.5°	1214.2	1215.4	1224.0	1208.1	1139.1	1051.2	1019.1	1031.9	1036.2	1106.5	1220.6
35°	1287.0	1289.6	1312.3	1317.9	1247.6	1138.3	1072.2	1060.2	1060.7	1119.8	1233.0
37.5°	1356.9	1365.5	1401.9	1428.9	1382.6	1243.7	1149.0	1108.3	1104.8	1146.4	1251.9
40°	1436.2	1452.5	1498.4	1544.3	1529.7	1383.1	1253.6	1182.0	1174.7	1195.3	1285.7
42.5°	1524.1	1541.7	1602.6	1666.9	1673.7	1551.6	1384.4	1289.6	1277.2	1277.6	1349.2
45°	1618.4	1642.0	1712.8	1805.4	1846.9	1739.3	1545.6	1434.9	1422.5	1404.1	1451.2
47.5°	1742.3	1762.9	1831.1	1937.8	2017.6	1940.8	1756.9	1621.9	1599.1	1572.1	1609.9
50°	1849.1	1867.1	1925.8	2059.6	2225.5	2200.6	1996.6	1855.5	1833.7	1787.8	1819.1
52.5°	1872.7	1886.8	1940.8	2091.3	2384.6	2528.6	2290.3	2138.1	2122.6	2037.7	2049.7
55°	1766.8	1788.2	1836.7	2003.9	2426.2	2849.3	2671.4	2456.6	2424.4	2289.0	2310.4
57.5°	1499.3	1537.4	1582.9	1800.2	2313.4	3019.9	3203.9	2794.0	2764.9	2530.8	2531.2
60°	1098.8	1129.7	1160.1	1359.1	2045.9	3008.4	3687.0	3173.0	3119.8	2728.4	2721.1
62.5°	799.1	815.0	814.6	885.3	1404.9	2810.3	3940.8	3744.1	3620.2	2939.8	2898.2
65°	628.5	628.1	646.5	669.7	784.6	2169.4	3972.1	4577.9	4444.2	3223.2	3136.6
67.5°	489.2	498.6	517.0	585.2	589.5	1135.3	3696.9	5093.7	5091.1	3655.7	3415.7
70°	377.3	390.1	416.3	515.8	544.5	635.4	2766.1	4930.3	4971.9	3849.1	3218.0
72.5°	242.2	241.4	280.0	416.7	523.0	529.5	1529.7	3916.4	3963.6	3486.4	2601.9
75°	135.5	136.3	158.2	255.1	487.5	498.2	757.6	2792.7	2830.0	2718.1	1999.1
77.5°	53.2	54.9	74.2	134.2	321.5	445.0	450.2	1904.4	1910.0	1684.5	1226.2
80°	21.4	22.7	37.7	83.2	195.9	299.7	321.5	1122.0	1099.3	652.1	356.7
82.5°	6.4	6.9	15.0	47.2	102.5	213.1	216.9	430.4	406.4	140.2	90.9
85°	0.4	0.4	3.4	14.6	36.4	53.6	144.5	140.2	124.3	35.2	40.3
87.5°	0.0	0.0	0.4	0.4	0.9	1.7	15.4	25.7	26.2	6.4	18.0
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: P630276

CATALOG NUMBER: GWS-SA1D-735-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1149.8	1149.8	1149.8	1149.8	1149.8	1149.8	1149.8	1149.8	1149.8	1149.8	1149.8
2.5°	1153.7	1138.3	1137.0	1125.0	1113.0	1098.0	1080.4	1067.5	1058.5	1042.7	1039.7
5°	1152.0	1131.4	1112.1	1077.8	1039.7	998.5	962.5	929.0	908.0	893.9	887.9
7.5°	1148.6	1122.4	1077.8	1013.1	949.2	877.2	821.0	769.6	734.4	713.8	704.8
10°	1146.0	1110.8	1038.4	940.2	841.2	741.7	656.4	580.1	537.6	504.2	498.6
12.5°	1140.8	1094.1	987.8	854.9	727.1	595.1	486.2	392.7	328.0	298.8	288.5
15°	1135.7	1076.5	937.2	764.8	602.8	439.9	307.8	217.8	173.2	159.5	158.6
17.5°	1134.8	1060.7	882.3	679.5	472.5	288.1	175.3	141.1	131.6	128.2	128.2
20°	1137.4	1047.4	828.3	581.4	344.3	175.3	130.8	122.2	116.6	113.6	113.6
22.5°	1140.0	1033.7	776.4	482.3	228.5	128.2	115.3	108.0	101.6	98.2	96.5
25°	1141.7	1018.7	719.0	382.9	149.2	111.5	101.2	91.7	84.0	79.7	79.7
27.5°	1141.3	1000.6	661.1	285.5	115.8	99.0	86.6	76.7	69.0	64.3	64.7
30°	1137.8	980.9	601.1	199.4	101.2	86.6	74.2	63.9	56.2	52.3	51.9
32.5°	1135.3	959.9	531.6	140.2	90.9	75.9	63.0	53.2	46.7	43.7	43.3
35°	1132.3	939.3	465.6	106.8	81.9	65.6	53.2	45.0	39.9	37.3	37.3
37.5°	1133.1	917.9	394.0	91.7	72.9	57.0	45.4	38.6	34.3	31.7	31.3
40°	1146.4	905.0	323.7	83.2	64.7	49.3	39.4	33.4	29.2	26.6	26.2
42.5°	1179.4	905.5	256.4	76.7	57.4	42.0	34.3	28.7	24.9	21.9	21.4
45°	1245.4	923.5	196.8	69.9	49.7	36.4	29.6	24.4	20.6	18.0	17.6
47.5°	1353.5	977.1	149.2	63.9	43.3	31.7	25.3	20.6	17.1	15.0	14.6
50°	1525.4	1074.0	117.5	56.6	36.4	27.4	21.4	17.1	14.1	12.0	11.6
52.5°	1732.1	1219.3	100.8	50.2	31.3	24.0	18.4	14.1	11.6	9.9	9.4
55°	1969.6	1392.9	93.0	43.7	26.6	20.6	15.0	11.6	9.4	8.1	7.3
57.5°	2187.4	1549.4	92.6	37.3	22.7	17.6	12.4	9.9	8.1	6.4	6.0
60°	2399.6	1680.2	87.0	30.9	19.7	14.6	10.7	8.1	6.9	5.6	5.1
62.5°	2592.1	1786.5	72.9	24.9	16.7	12.0	9.0	7.3	6.0	4.7	4.7
65°	2833.9	1922.0	55.7	20.2	13.7	9.9	7.7	6.4	5.6	4.3	4.3
67.5°	3083.8	1993.6	39.9	16.7	11.1	8.6	6.9	6.0	4.7	3.9	3.9
70°	2793.1	1684.5	28.7	13.7	9.4	7.3	6.0	5.6	4.7	3.9	3.4
72.5°	2181.4	1214.6	21.4	10.7	8.1	6.9	5.6	5.1	4.3	3.4	3.4
75°	1617.6	708.3	16.3	8.6	6.4	5.6	5.6	5.1	4.3	3.4	3.0
77.5°	879.3	246.9	12.4	6.9	5.1	4.3	4.7	4.7	3.9	3.0	2.6
80°	232.8	67.7	8.6	5.1	4.3	3.4	3.4	4.3	3.4	2.6	2.6
82.5°	67.7	19.7	6.0	4.3	3.4	3.0	3.0	3.0	2.6	2.1	1.7
85°	33.0	7.3	4.3	3.4	3.0	2.6	2.1	2.1	1.7	1.3	1.3
87.5°	14.6	3.0	3.4	3.0	3.0	2.1	1.7	1.3	1.3	0.9	0.4
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)