

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: STREETWORKS

Report Number: P385713

Luminaire Tested: GAW-SA1B-735-U-SL2

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1B-735-U-SL2
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5616.6 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

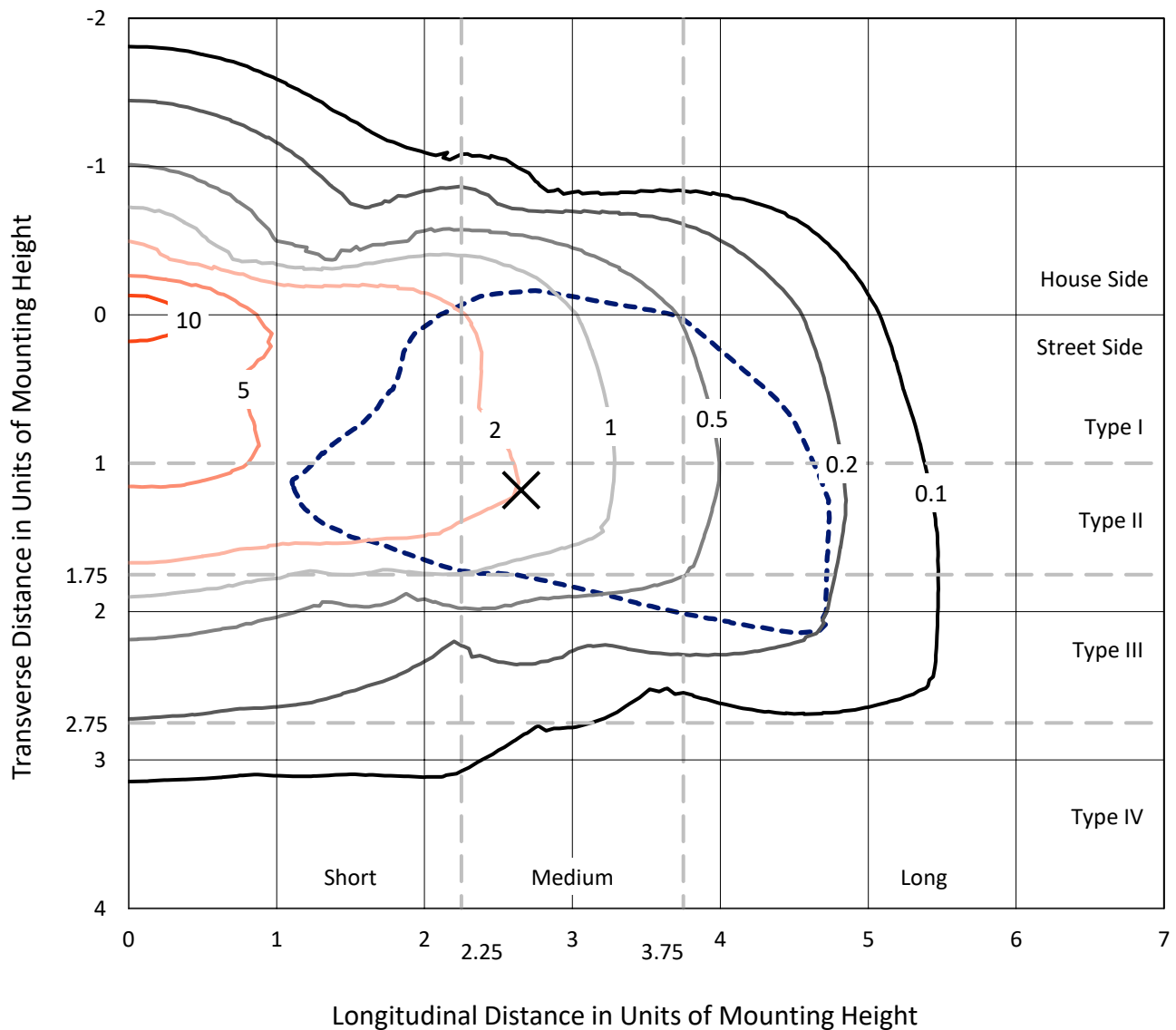
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P385713
 CATALOG NUMBER: GAW-SA1B-735-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

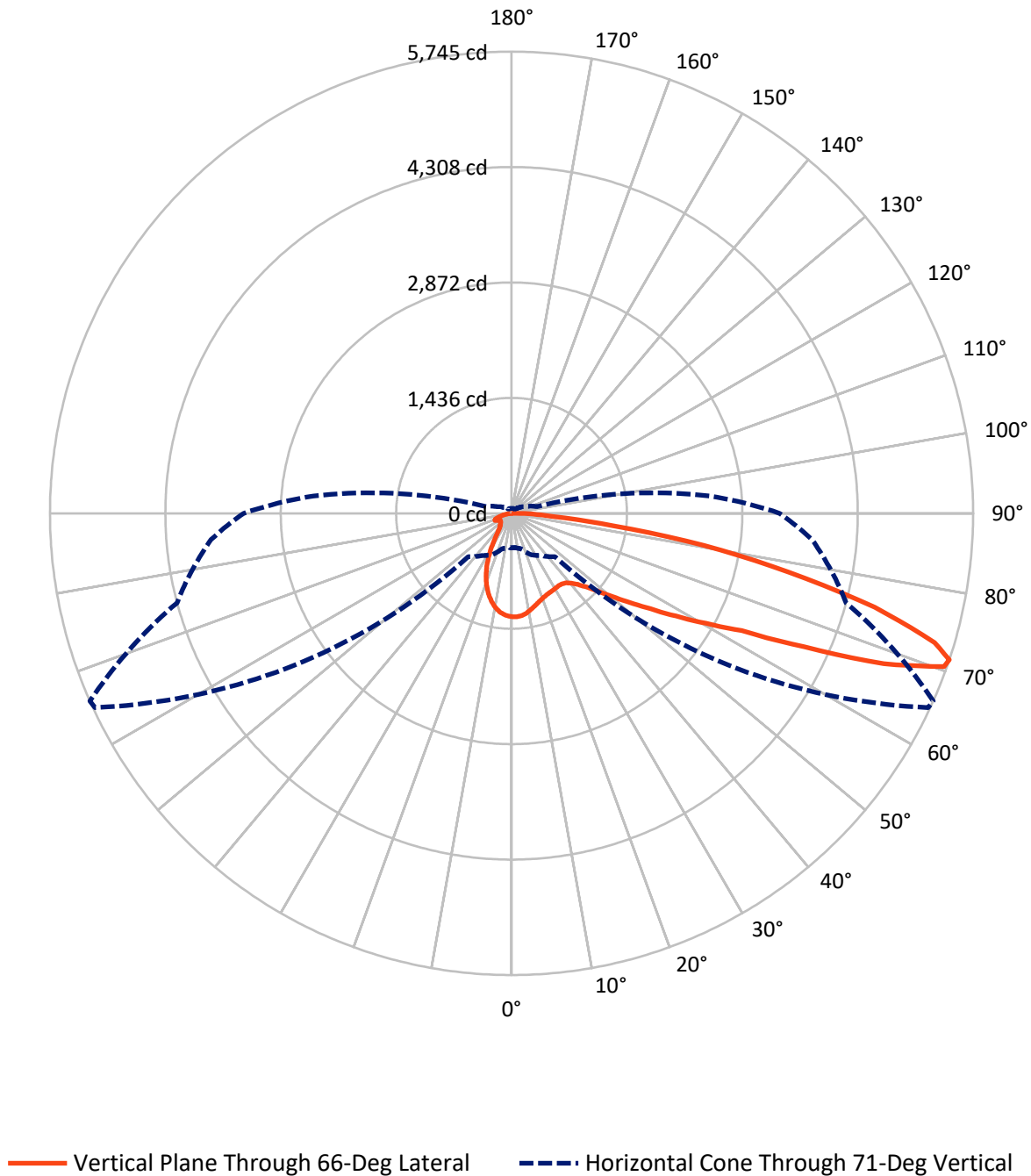
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P385713
CATALOG NUMBER: GAW-SA1B-735-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P385713

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1040.9	0.0	1040.9
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	4575.7	0.0	4575.7
	% Fixture	81.5	0.0	81.5
Total	Lumens	5616.6	0.0	5616.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	2.0
10°-20°	271.6	4.8
20°-30°	364.9	6.5
30°-40°	480.0	8.5
40°-50°	698.3	12.4
50°-60°	1090.8	19.4
60°-70°	1366.4	24.3
70°-80°	1042.2	18.6
80°-90°	189.3	3.4
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°	5616.6	100.0
0°-180°	5616.6	100.0

Coefficient of Utilization



REPORT NUMBER: P385713

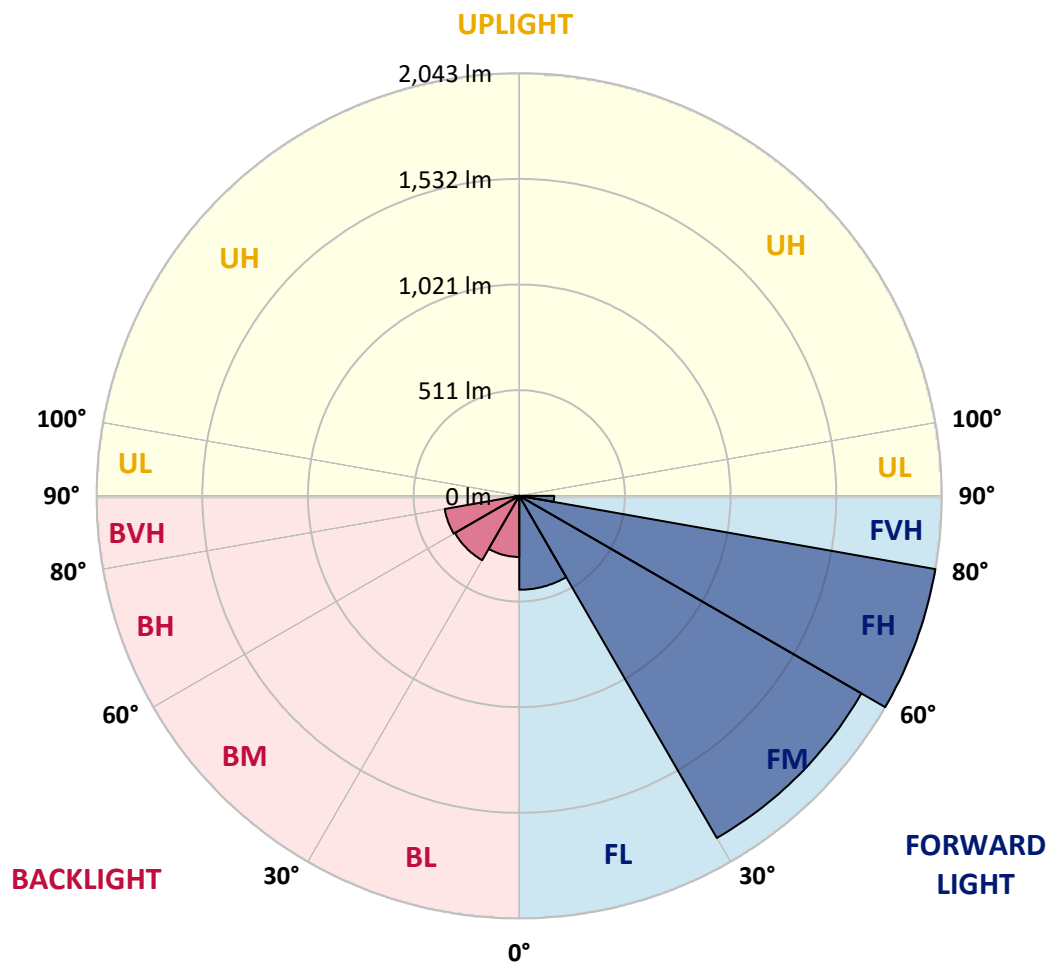
CATALOG NUMBER: GAW-SA1B-735-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	454.2	8.1			
FM	(30°-60°)	1909.9	34.0			
FH	(60°-80°)	2042.8	36.4			G2/5000
FVH	(80°-90°)	168.8	3.0			G2/225
BL	(0°-30°)	295.6	5.3	B1/500		
BM	(30°-60°)	359.1	6.4	B1/1000		
BH	(60°-80°)	365.8	6.5	B1/500		G1/500
BVH	(80°-90°)	20.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





REPORT NUMBER: P385713

CATALOG NUMBER: GAW-SA1B-735-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7
2.5°	1262.8	1260.9	1266.7	1272.7	1275.0	1278.9	1284.7	1288.0	1287.8	1288.4	1286.5
5°	1179.0	1176.5	1188.1	1197.6	1215.9	1236.4	1261.4	1279.3	1279.6	1289.8	1292.5
7.5°	1099.7	1098.0	1111.4	1126.7	1147.8	1179.2	1219.8	1258.1	1260.5	1287.8	1297.3
10°	1036.2	1035.8	1048.7	1065.4	1090.1	1125.1	1171.7	1227.9	1231.4	1278.5	1298.1
12.5°	986.5	987.2	998.5	1017.5	1043.5	1080.1	1130.6	1194.0	1199.6	1263.8	1293.6
15°	949.8	952.9	962.0	981.2	1006.8	1044.0	1095.8	1162.6	1171.0	1247.3	1291.1
17.5°	928.9	932.3	938.7	954.7	978.8	1014.5	1063.7	1136.8	1144.6	1234.6	1291.3
20°	922.7	925.6	929.2	938.9	959.3	991.9	1038.2	1113.5	1121.8	1224.6	1293.3
22.5°	934.9	937.0	937.4	936.7	949.1	975.7	1019.8	1096.5	1105.4	1218.0	1294.6
25°	961.1	964.0	961.8	954.7	950.6	966.9	1010.3	1085.2	1094.1	1213.1	1291.9
27.5°	1000.5	1000.8	999.0	989.7	970.6	967.9	1007.4	1078.6	1087.2	1207.5	1286.3
30°	1054.0	1056.4	1053.3	1040.8	1009.4	983.4	1010.9	1072.2	1079.9	1200.4	1277.2
32.5°	1116.6	1122.8	1122.6	1109.4	1064.4	1018.1	1025.3	1068.3	1074.3	1192.8	1266.1
35°	1181.6	1190.1	1206.0	1200.4	1144.7	1073.0	1052.8	1074.5	1078.6	1191.8	1258.3
37.5°	1249.0	1257.6	1290.4	1305.5	1240.3	1151.5	1096.3	1096.5	1098.3	1203.6	1257.8
40°	1319.7	1328.8	1378.0	1417.4	1364.2	1251.0	1166.3	1142.2	1140.0	1232.8	1269.2
42.5°	1418.5	1426.7	1485.8	1536.0	1501.7	1378.4	1263.0	1212.8	1208.3	1289.8	1305.9
45°	1543.6	1550.6	1613.4	1667.1	1649.5	1523.8	1384.6	1309.9	1309.1	1384.8	1380.2
47.5°	1692.3	1697.8	1754.2	1806.2	1812.6	1691.2	1537.4	1459.8	1447.2	1515.1	1495.1
50°	1847.3	1853.3	1891.7	1947.6	1995.1	1915.1	1734.0	1643.5	1626.6	1687.2	1658.0
52.5°	1949.9	1957.8	1991.1	2062.0	2200.2	2160.7	1966.5	1866.1	1840.5	1895.6	1873.2
55°	1904.2	1921.9	1972.9	2086.4	2364.3	2535.7	2253.3	2125.8	2096.8	2142.7	2129.4
57.5°	1696.1	1720.5	1790.1	1965.2	2387.4	2866.2	2686.9	2431.5	2411.2	2398.0	2404.0
60°	1315.7	1339.2	1425.5	1653.7	2226.6	3107.4	3339.5	2808.5	2779.1	2654.4	2659.8
62.5°	931.2	919.4	978.6	1145.5	1809.3	3135.7	4082.0	3312.8	3215.8	2925.1	2901.2
65°	710.2	707.5	733.9	787.1	1095.8	2797.0	4524.4	4160.2	4008.8	3243.5	3187.3
67.5°	583.6	578.7	604.9	682.2	705.7	1804.4	4534.1	5143.4	4994.7	3639.9	3518.1
70°	479.7	474.3	498.7	598.7	652.1	915.2	3816.0	5719.1	5711.1	4141.8	3767.9
71°	430.1	426.2	455.5	566.5	640.7	762.7	3294.7	5720.6	5744.5	4311.6	3753.2
72.5°	350.2	351.6	382.6	504.2	632.2	673.5	2421.5	5454.0	5504.5	4473.6	3619.1
75°	232.7	233.9	274.6	387.9	613.0	659.0	1330.8	4576.5	4669.3	4376.6	3302.4
77.5°	156.3	155.9	183.7	266.0	534.0	659.0	780.4	3422.9	3524.7	3482.4	2545.9
80°	107.7	106.8	126.4	183.7	404.3	666.9	603.3	2398.8	2429.6	1880.7	1034.7
82.5°	65.9	66.5	82.6	129.7	275.1	600.2	569.6	1308.0	1274.5	527.5	258.5
85°	37.9	37.6	52.7	87.8	176.7	506.5	555.4	563.0	516.4	158.9	93.5
87.5°	13.6	14.6	28.3	48.7	101.3	352.7	471.2	292.8	264.0	71.8	42.3
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: P385713

CATALOG NUMBER: GAW-SA1B-735-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7
2.5°	1285.1	1286.3	1284.9	1277.2	1270.5	1259.9	1253.9	1245.5	1243.0	1241.9	1245.0
5°	1290.0	1290.4	1278.9	1258.5	1235.7	1208.7	1189.3	1165.5	1154.2	1149.3	1152.4
7.5°	1294.4	1292.7	1267.6	1228.7	1186.4	1139.5	1097.8	1059.5	1037.3	1028.2	1028.9
10°	1295.0	1287.6	1247.5	1187.2	1121.6	1052.8	988.8	929.8	892.6	868.4	875.7
12.5°	1289.0	1276.5	1217.8	1133.5	1042.5	948.7	862.2	773.8	720.6	696.0	696.7
15°	1284.3	1261.8	1181.4	1070.3	948.0	823.8	705.7	601.8	545.1	519.9	508.1
17.5°	1280.5	1245.9	1139.1	999.0	836.5	678.9	537.0	444.2	413.2	405.9	402.8
20°	1275.0	1229.1	1092.0	916.7	709.5	516.8	392.1	346.4	346.5	355.1	356.2
22.5°	1267.4	1209.8	1041.8	824.1	573.2	376.4	307.4	294.2	307.6	323.8	326.7
25°	1256.3	1187.2	985.9	721.9	437.1	289.3	262.6	262.0	278.2	295.3	297.9
27.5°	1240.3	1157.5	923.8	612.2	322.1	245.9	235.2	239.3	251.3	263.7	264.7
30°	1219.0	1123.0	855.4	496.5	252.5	219.0	217.8	221.4	228.8	237.6	238.3
32.5°	1195.6	1087.9	782.2	384.3	216.2	204.4	205.5	207.3	210.8	214.3	215.0
35°	1174.1	1052.0	707.5	292.1	199.0	194.9	194.1	193.7	194.1	193.0	193.1
37.5°	1160.4	1022.3	629.5	232.5	189.1	186.6	184.2	181.3	178.0	176.0	176.5
40°	1155.4	1000.3	550.6	200.9	180.9	179.1	174.7	168.5	164.7	163.5	163.5
42.5°	1169.0	988.8	474.3	185.0	174.2	171.3	163.8	156.7	153.8	153.6	153.4
45°	1210.4	993.4	401.8	176.2	168.0	162.3	152.7	146.6	144.7	145.0	144.9
47.5°	1284.9	1022.7	339.8	170.5	161.8	154.3	143.5	138.7	136.3	136.3	136.5
50°	1411.5	1091.2	290.3	165.6	156.5	147.0	136.9	130.9	127.8	127.6	127.6
52.5°	1595.9	1213.8	259.5	161.6	150.7	140.4	130.3	122.8	119.0	118.3	117.9
55°	1827.1	1389.5	250.9	158.9	142.9	133.2	122.4	114.8	110.8	109.0	108.8
57.5°	2085.6	1603.2	267.8	155.6	135.0	124.7	113.7	106.4	102.2	100.0	99.9
60°	2347.2	1836.4	336.7	150.9	128.4	115.4	104.7	98.2	93.8	91.5	91.1
62.5°	2609.2	2082.4	477.2	150.5	123.7	106.4	95.6	90.0	85.9	83.4	82.8
65°	2904.7	2351.5	637.0	160.7	122.2	98.4	86.3	81.8	78.3	76.0	75.8
67.5°	3244.1	2655.4	621.7	181.9	127.4	90.9	77.6	74.1	71.6	69.6	69.4
70°	3403.3	2607.9	386.5	196.8	134.8	83.8	69.2	66.7	64.7	63.4	62.8
71°	3336.6	2476.1	324.0	195.1	134.0	80.7	65.9	64.0	62.1	60.9	60.3
72.5°	3154.7	2258.2	270.4	181.5	125.3	75.1	61.6	59.7	58.0	56.6	56.3
75°	2830.9	2016.8	216.4	145.0	99.9	63.4	54.1	51.9	50.6	49.9	49.0
77.5°	2080.9	1439.2	167.4	114.6	73.5	51.8	46.1	44.6	43.2	42.1	41.5
80°	797.2	557.5	112.6	85.5	53.9	41.0	37.2	36.4	35.1	34.3	34.3
82.5°	214.7	166.6	60.1	51.8	36.1	29.9	28.5	28.1	27.0	25.4	25.6
85°	86.9	73.5	33.7	28.5	22.1	17.7	19.2	19.4	18.0	16.1	16.3
87.5°	38.2	31.2	18.8	12.6	9.7	6.8	8.7	8.7	8.0	6.6	6.0
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)