

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P323155

Luminaire Tested: **GAN-SA1B-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4514 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

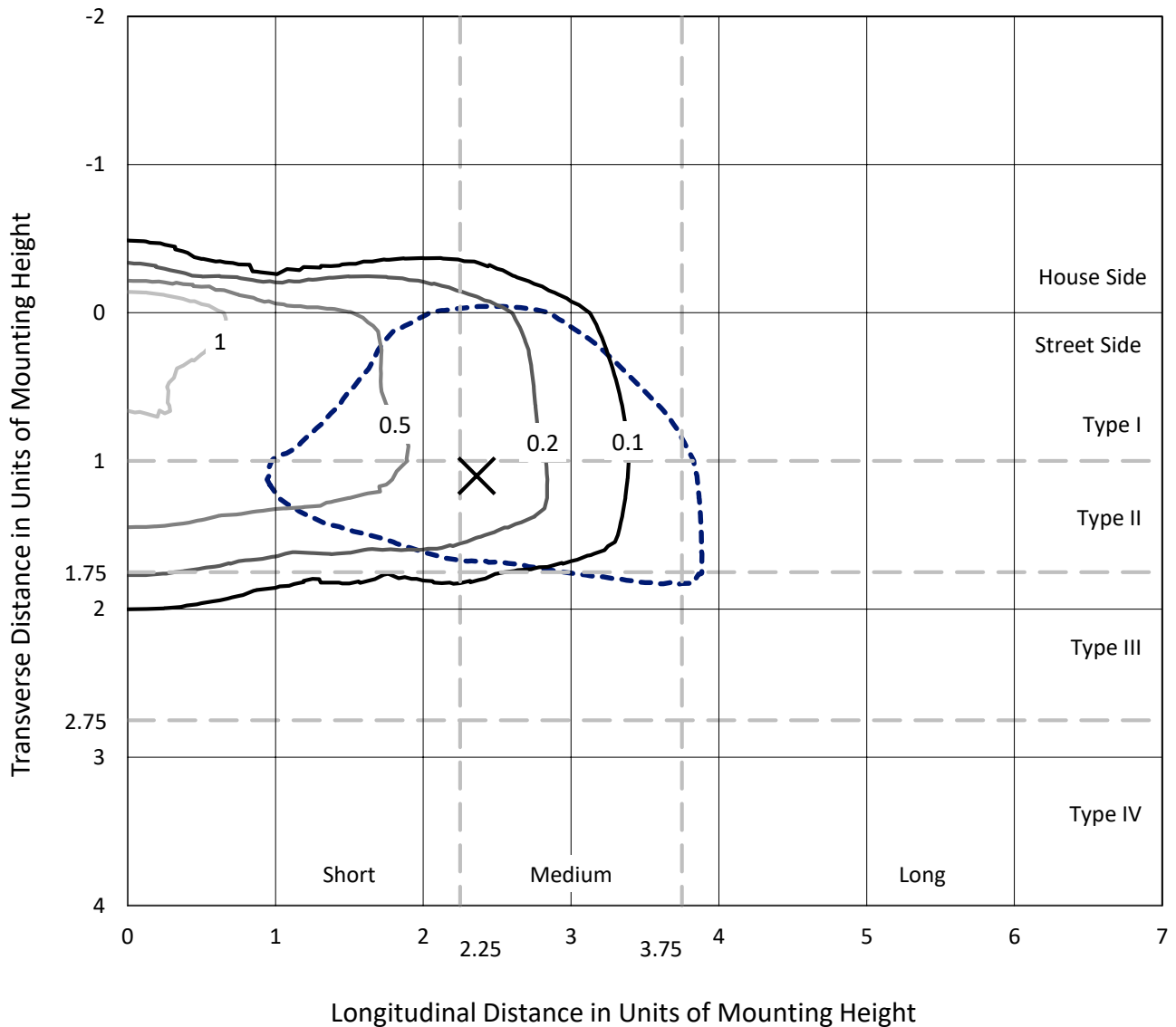
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323155
 CATALOG NUMBER: GAN-SA1B-730-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

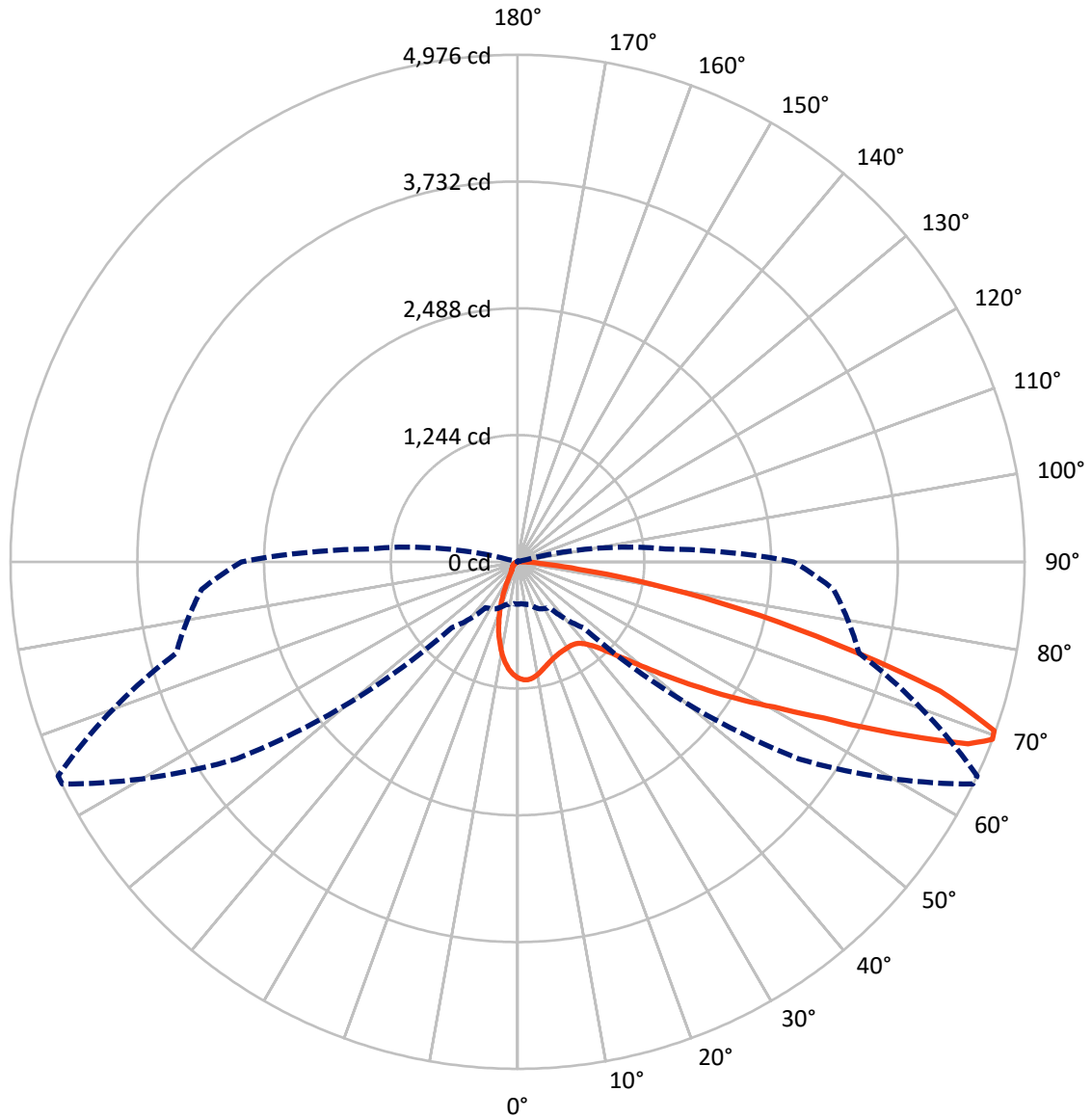
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P323155
CATALOG NUMBER: GAN-SA1B-730-U-SL2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P323155
 CATALOG NUMBER: GAN-SA1B-730-U-SL2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	532.1	0.0	532.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3981.9	0.0	3981.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	4514.0	0.0	4514.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	2.1
10°-20°	208.8	4.6
20°-30°	289.2	6.4
30°-40°	403.2	8.9
40°-50°	626.8	13.9
50°-60°	1006.2	22.3
60°-70°	1138.2	25.2
70°-80°	668.5	14.8
80°-90°	77.8	1.7
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°	4514.0	100.0
0°-180°	4514.0	100.0

Coefficient of Utilization

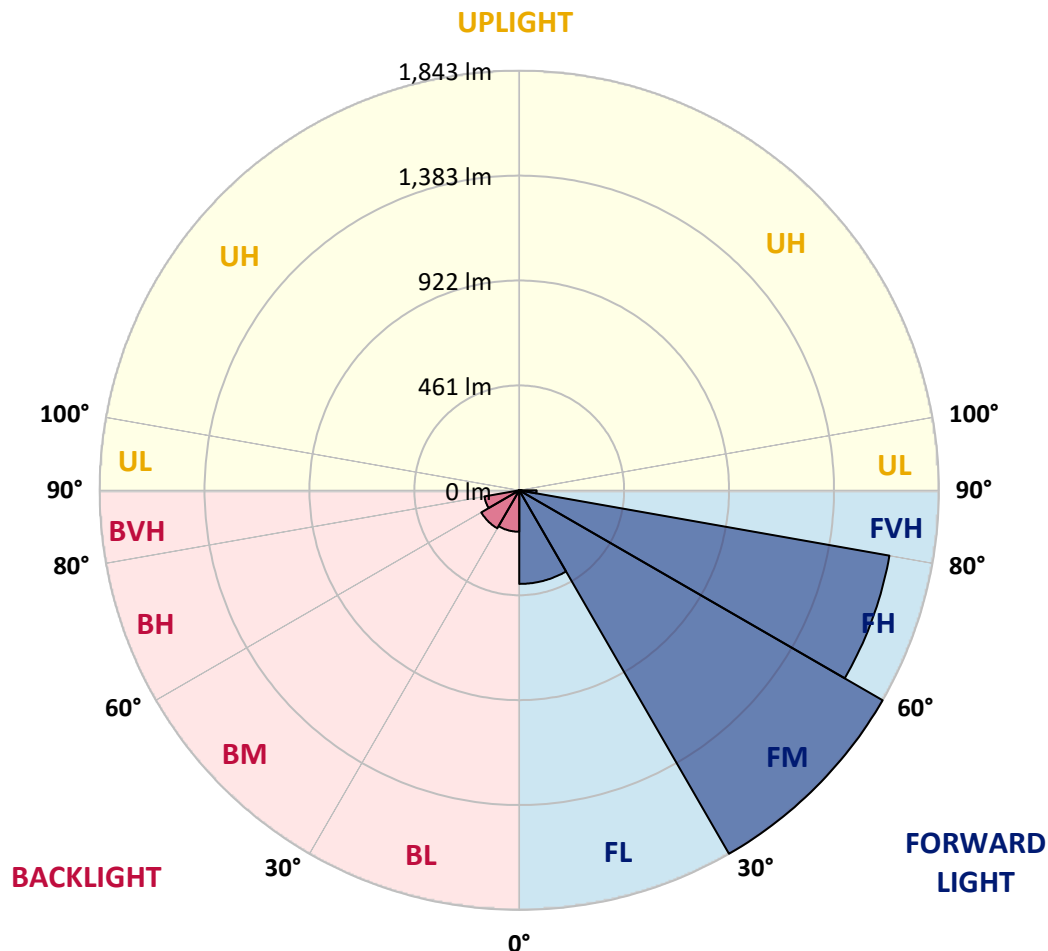


REPORT NUMBER: P323155
 CATALOG NUMBER: GAN-SA1B-730-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	411.3	9.1			
FM (30°-60°)	1843.4	40.8			
FH (60°-80°)	1651.2	36.6			G1/1800
FVH (80°-90°)	76.0	1.7			G1/100
BL (0°-30°)	182.1	4.0	B1/500		
BM (30°-60°)	192.8	4.3	B0/220		
BH (60°-80°)	155.5	3.4	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			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 III Medium





REPORT NUMBER: P323155

CATALOG NUMBER: GAN-SA1B-730-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7
2.5°	1150.8	1148.0	1150.2	1155.2	1157.7	1157.7	1159.6	1157.3	1158.1	1152.5	1144.5
5°	1078.8	1074.4	1080.7	1094.7	1111.9	1126.6	1148.3	1159.8	1160.9	1161.1	1151.8
7.5°	1001.3	997.2	1006.6	1023.0	1045.2	1072.5	1110.5	1143.8	1145.7	1163.6	1156.7
10°	938.2	935.4	946.3	963.8	989.8	1020.4	1067.0	1113.2	1118.7	1158.5	1156.0
12.5°	888.2	885.9	896.2	916.5	943.0	976.8	1025.5	1079.2	1086.6	1146.8	1152.2
15°	851.7	851.3	859.9	879.4	908.8	940.3	990.2	1047.7	1056.3	1134.2	1151.6
17.5°	832.6	833.2	839.5	856.1	881.3	912.6	960.4	1021.1	1030.5	1122.9	1154.4
20°	830.7	831.3	834.7	844.1	864.5	892.2	936.1	998.8	1008.5	1114.5	1159.0
22.5°	847.5	847.1	848.1	847.1	858.6	879.6	920.1	981.6	992.9	1109.0	1162.7
25°	879.8	879.2	878.8	871.8	864.1	875.4	913.4	971.8	982.5	1105.0	1164.8
27.5°	924.7	924.3	923.7	912.1	889.1	882.1	914.2	968.2	977.2	1101.7	1164.4
30°	983.7	986.4	985.6	969.4	933.6	902.5	922.2	966.3	974.1	1095.4	1160.4
32.5°	1053.0	1058.4	1062.6	1045.2	1000.5	943.0	940.7	968.4	974.1	1090.7	1153.1
35°	1125.0	1131.9	1147.4	1141.3	1082.4	1003.9	972.6	981.0	985.8	1093.3	1149.7
37.5°	1195.9	1204.1	1237.7	1255.5	1189.8	1084.5	1022.3	1012.1	1014.6	1109.6	1153.5
40°	1278.2	1290.6	1341.6	1370.3	1318.0	1192.5	1096.6	1065.6	1066.6	1145.3	1171.3
42.5°	1386.3	1399.1	1454.3	1499.2	1462.4	1328.8	1197.4	1147.4	1146.4	1212.1	1213.1
45°	1518.1	1531.5	1588.6	1638.5	1621.8	1490.4	1326.5	1266.8	1265.6	1317.6	1292.4
47.5°	1667.5	1680.7	1731.7	1783.1	1801.0	1679.1	1491.0	1429.7	1427.0	1464.1	1414.8
50°	1795.7	1804.3	1851.2	1920.4	2001.4	1911.0	1695.6	1636.6	1633.7	1658.7	1594.5
52.5°	1842.3	1847.2	1895.0	1991.8	2193.9	2225.0	1964.3	1888.3	1886.2	1897.1	1833.9
55°	1747.9	1756.9	1815.5	1959.2	2298.2	2579.9	2303.5	2200.0	2184.2	2160.7	2084.1
57.5°	1490.8	1505.1	1568.2	1759.2	2249.5	2861.5	2802.1	2552.6	2529.3	2385.7	2287.5
60°	1117.0	1134.6	1186.9	1393.0	1989.5	2961.8	3346.8	2945.5	2893.0	2564.8	2474.5
62.5°	766.5	775.3	810.8	945.1	1465.2	2797.5	3802.6	3471.7	3375.9	2759.7	2676.8
65°	585.4	588.5	603.0	649.2	872.5	2272.4	3983.8	4166.1	4050.1	2992.7	2886.7
67.5°	471.8	469.3	489.4	555.4	584.3	1386.3	3772.4	4822.9	4768.7	3304.2	3097.9
69°	416.0	412.6	433.0	509.8	548.8	916.5	3372.4	4972.1	4975.5	3468.7	3112.5
70°	374.4	376.7	396.9	482.7	536.7	719.3	2990.4	4934.1	4961.2	3530.2	3025.4
72.5°	250.0	256.1	296.8	400.7	516.1	544.4	1805.6	4234.1	4338.3	3391.7	2595.6
75°	141.0	145.5	193.9	302.2	486.3	518.4	953.7	3119.3	3220.2	2836.3	2001.6
77.5°	69.1	71.6	109.6	195.0	406.7	493.9	540.9	2118.8	2234.0	1851.2	1132.1
80°	29.2	30.6	54.8	120.3	290.7	471.4	401.7	1304.0	1318.3	725.3	301.6
82.5°	11.3	11.7	23.1	75.1	184.7	367.5	336.0	618.3	603.4	136.6	68.8
85°	1.3	1.5	8.4	45.1	102.8	189.1	272.9	266.5	246.6	27.1	35.3
87.5°	0.0	0.0	0.6	13.8	30.6	88.6	141.9	110.6	99.7	8.8	18.3
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: P323155
 CATALOG NUMBER: GAN-SA1B-730-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7
2.5°	1137.8	1135.9	1125.6	1110.7	1096.6	1079.0	1062.2	1052.1	1044.0	1038.7	1045.0
5°	1140.9	1132.5	1101.2	1061.0	1021.7	977.4	936.1	901.2	887.4	872.1	879.0
7.5°	1139.9	1124.1	1067.7	996.3	924.1	849.4	778.7	724.3	696.0	668.3	675.4
10°	1135.2	1108.4	1023.0	917.2	809.1	701.8	601.5	525.3	482.7	444.1	449.6
12.5°	1124.7	1087.4	970.3	826.7	682.1	540.6	423.1	325.5	273.1	250.0	252.9
15°	1118.3	1067.0	914.5	735.0	546.5	376.5	258.6	192.3	168.5	160.8	161.8
17.5°	1115.3	1047.3	856.9	630.1	407.8	239.7	167.1	147.5	142.3	141.0	141.3
20°	1112.2	1027.4	797.5	526.4	281.0	161.2	137.3	131.6	129.7	128.0	128.4
22.5°	1107.1	1008.3	733.7	421.4	189.5	130.8	123.8	118.2	114.2	112.1	112.5
25°	1100.8	988.3	668.5	313.8	138.3	116.7	110.0	102.2	97.4	93.6	93.8
27.5°	1090.7	963.6	601.3	228.4	116.1	104.5	95.5	86.9	78.9	74.5	74.5
30°	1076.5	935.7	526.6	163.5	104.1	92.4	81.6	70.9	62.3	58.3	57.9
32.5°	1060.9	906.7	451.2	124.0	94.5	81.2	68.8	57.5	49.9	46.6	46.4
35°	1047.5	875.4	375.9	103.9	85.0	70.3	56.7	47.2	41.1	38.4	38.2
37.5°	1038.9	844.1	302.6	92.8	76.4	60.2	47.6	39.0	34.6	32.5	32.3
40°	1037.6	820.8	235.5	84.4	68.4	51.2	39.7	33.0	29.0	26.7	26.6
42.5°	1054.9	807.4	180.7	77.4	60.2	43.4	33.8	28.3	24.1	21.8	21.6
45°	1100.6	811.6	139.1	71.1	52.0	36.7	28.7	23.5	19.7	18.0	17.6
47.5°	1183.9	840.6	110.6	64.8	44.1	31.1	24.4	19.5	16.2	14.5	14.3
50°	1332.1	908.8	92.4	57.9	36.9	26.6	20.2	15.9	13.2	11.7	11.5
52.5°	1528.8	1030.3	82.5	51.2	30.6	22.5	16.6	12.6	10.3	9.2	9.0
55°	1745.8	1177.4	76.0	43.9	25.0	18.7	13.2	9.9	8.0	7.1	6.7
57.5°	1957.6	1304.8	69.9	36.9	20.8	15.3	10.5	7.8	6.3	5.3	5.2
60°	2152.3	1421.9	62.8	29.6	17.0	12.0	8.2	6.1	5.0	4.0	4.0
62.5°	2360.7	1512.4	53.1	23.1	13.9	9.2	6.7	5.5	4.0	3.4	3.2
65°	2581.5	1579.6	41.6	18.0	10.9	6.9	5.5	5.7	3.2	2.5	2.3
67.5°	2744.6	1566.3	30.8	14.1	8.4	5.3	5.3	6.1	2.9	1.9	1.7
69°	2708.7	1457.6	25.8	12.2	7.3	4.6	5.0	6.1	2.7	1.7	1.5
70°	2604.6	1337.2	22.7	10.9	6.5	4.2	4.8	5.9	2.5	1.7	1.5
72.5°	2169.1	1007.2	17.8	8.2	5.2	3.4	4.0	5.2	2.5	1.7	1.3
75°	1631.6	644.6	13.6	5.9	3.8	2.7	3.1	3.8	2.5	1.5	1.3
77.5°	887.8	232.5	9.7	4.0	2.7	2.1	2.1	2.9	2.3	1.1	0.8
80°	228.3	58.4	6.1	2.7	2.1	1.5	1.3	1.9	1.3	0.2	0.0
82.5°	56.3	13.2	3.2	1.9	1.5	0.6	0.6	1.0	0.6	0.0	0.0
85°	30.9	6.5	2.1	1.3	0.8	0.0	0.0	0.2	0.0	0.0	0.0
87.5°	15.9	1.9	0.6	0.4	0.2	0.0	0.0	0.0	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)