

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: P385435

Luminaire Tested: GAW-SA1A-727-U-SL3

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1A-727-U-SL3
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4161 lumens
Efficiency: N/A
Efficacy: 122.4 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

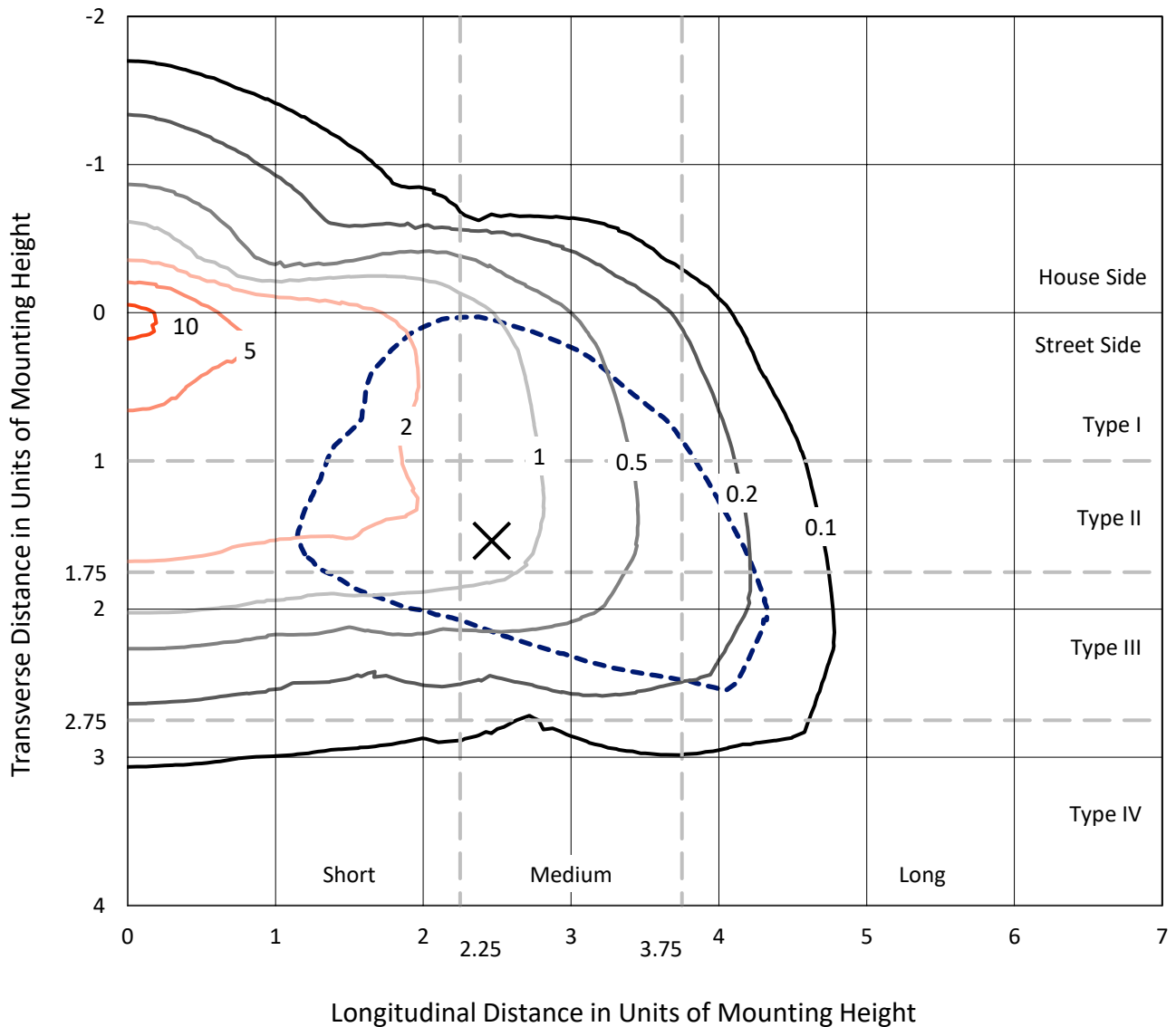
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P385435
 CATALOG NUMBER: GAW-SA1A-727-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

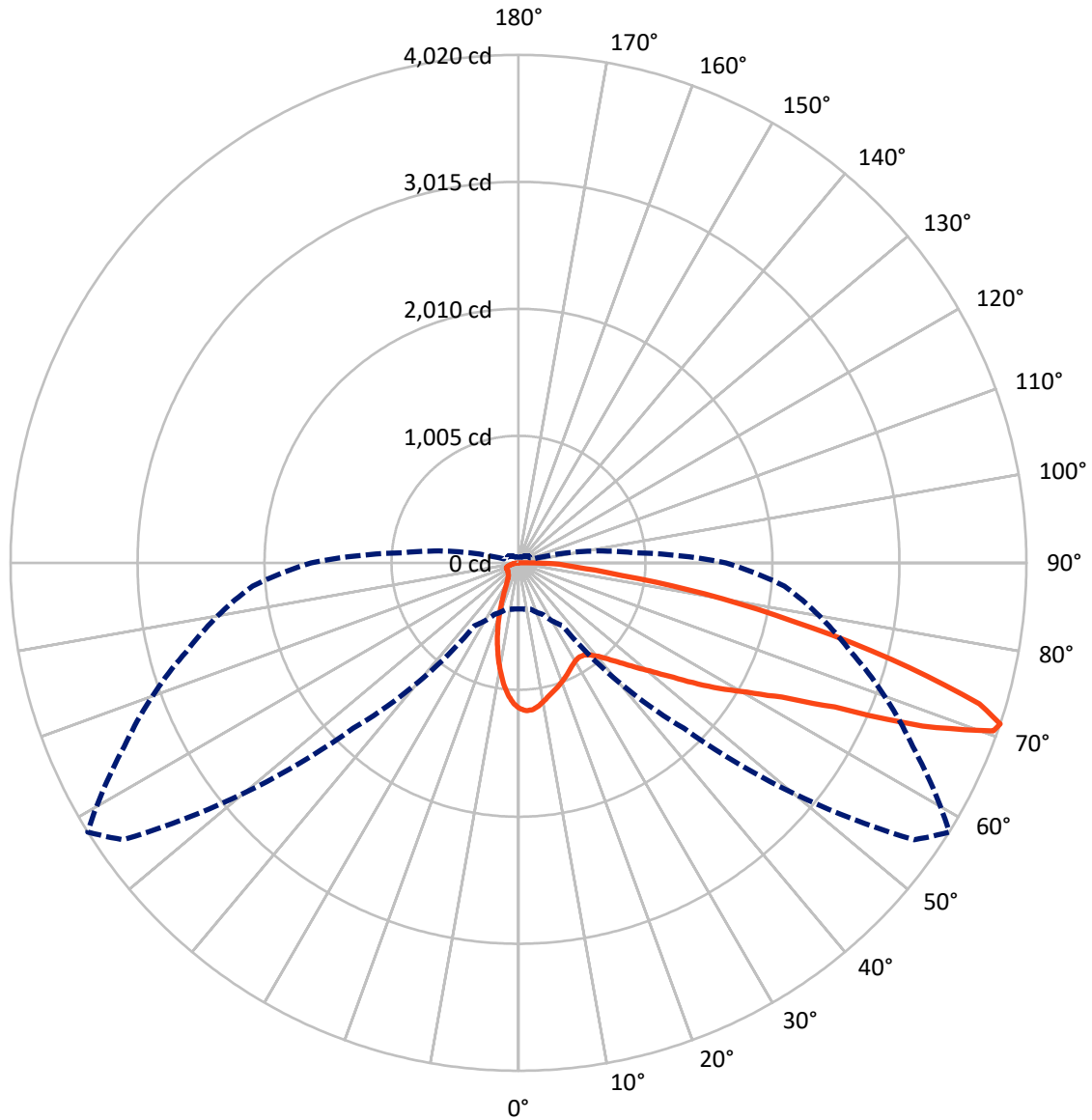
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P385435
CATALOG NUMBER: GAW-SA1A-727-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P385435
 CATALOG NUMBER: GAW-SA1A-727-U-SL3

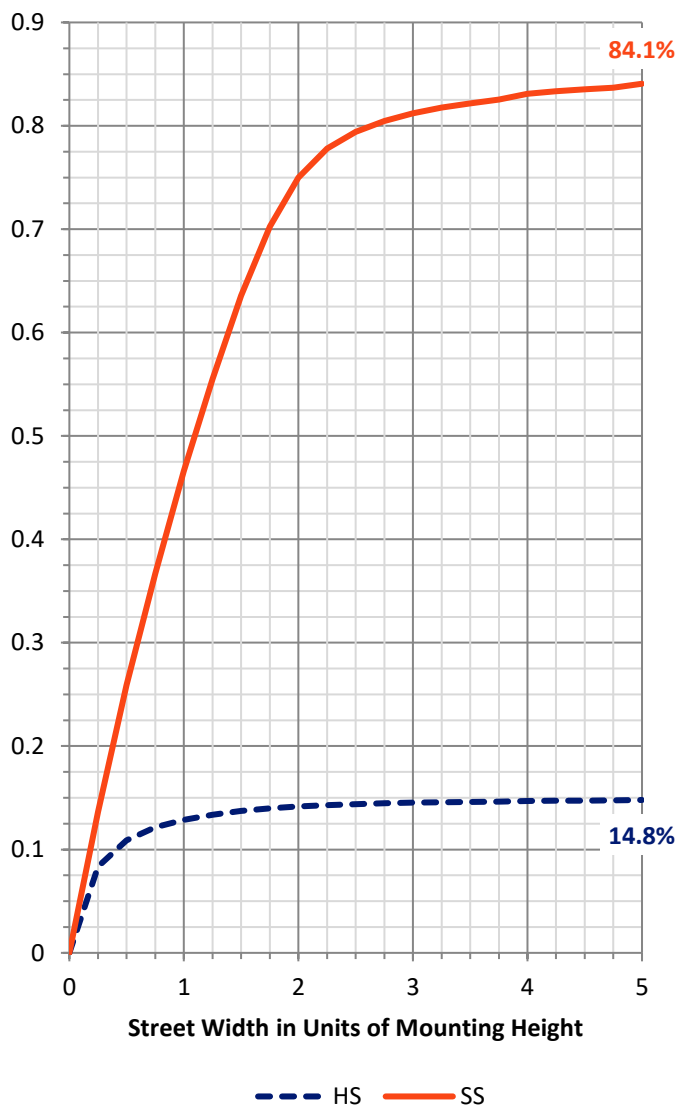
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	622.1	0.0	622.1
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	3538.9	0.0	3538.9
	% Fixture	85.0	0.0	85.0
Total	Lumens	4161.0	0.0	4161.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	2.4
10°-20°	221.2	5.3
20°-30°	281.1	6.8
30°-40°	358.0	8.6
40°-50°	507.7	12.2
50°-60°	785.7	18.9
60°-70°	1069.6	25.7
70°-80°	713.6	17.1
80°-90°	124.8	3.0
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°	4161.0	100.0
0°-180°	4161.0	100.0

Coefficient of Utilization



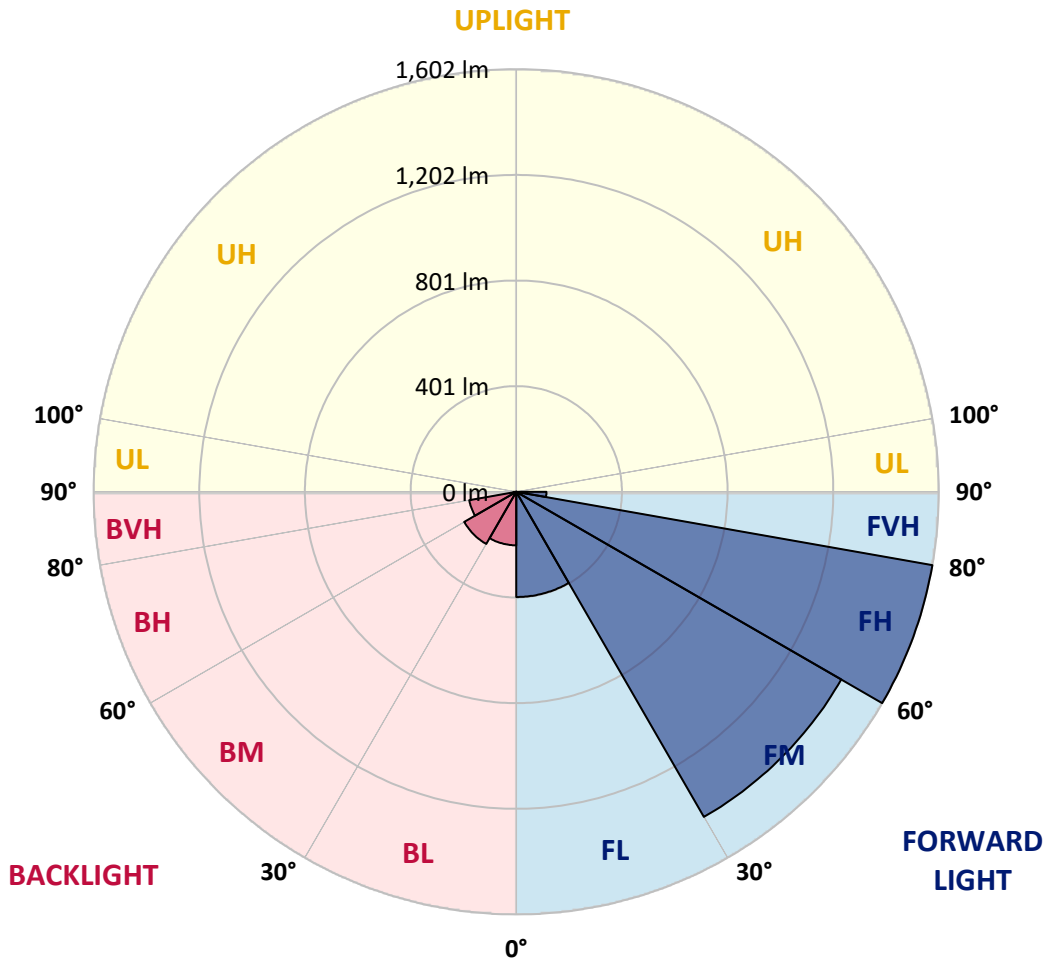
REPORT NUMBER: P385435
 CATALOG NUMBER: GAW-SA1A-727-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	398.9	9.6			
FM (30°-60°)	1423.3	34.2			
FH (60°-80°)	1602.4	38.5			G1/1800
FVH (80°-90°)	114.4	2.7			G2/225
BL (0°-30°)	202.8	4.9	B1/500		
BM (30°-60°)	228.1	5.5	B1/1000		
BH (60°-80°)	180.8	4.3	B1/500		G1/500
BVH (80°-90°)	10.4	0.2			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: P385435

CATALOG NUMBER: GAW-SA1A-727-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1152.9	1152.9	1152.9	1152.9	1152.9	1152.9	1152.9	1152.9	1152.9	1152.9	1152.9
2.5°	1183.5	1181.9	1182.4	1181.3	1178.5	1175.8	1171.7	1172.4	1166.8	1158.4	1147.9
5°	1161.1	1160.6	1164.9	1167.4	1169.4	1167.8	1166.6	1168.1	1159.8	1148.2	1130.1
7.5°	1114.3	1107.9	1113.5	1121.7	1129.5	1135.5	1143.3	1144.3	1139.1	1126.9	1103.2
10°	1047.8	1041.7	1049.8	1062.7	1078.4	1092.6	1108.4	1111.3	1112.3	1101.3	1072.4
12.5°	978.8	974.2	982.3	1000.4	1026.3	1048.2	1073.4	1077.8	1086.8	1079.4	1044.0
15°	917.1	915.3	925.2	943.0	972.9	1006.3	1042.7	1050.7	1065.9	1063.4	1021.8
17.5°	863.7	863.3	870.8	889.5	922.6	964.9	1012.1	1025.6	1048.2	1051.1	1003.6
20°	824.0	823.1	828.3	842.1	876.2	924.2	979.1	997.6	1030.3	1040.4	984.7
22.5°	802.7	802.5	802.7	809.2	837.0	881.7	946.9	969.5	1012.7	1031.8	963.9
25°	799.1	798.6	795.4	794.7	810.5	846.2	915.0	940.0	996.0	1025.9	944.0
27.5°	808.5	809.1	804.9	798.1	801.2	822.8	887.3	914.0	982.7	1024.7	930.2
30°	828.1	827.8	824.1	817.0	810.8	814.1	867.6	894.3	973.7	1029.8	920.8
32.5°	849.7	851.2	850.5	846.6	837.3	824.0	861.7	887.8	971.1	1042.0	916.8
35°	875.6	877.3	882.6	885.6	874.7	853.3	874.4	897.1	978.7	1064.9	923.3
37.5°	900.2	904.7	919.4	932.3	923.0	899.1	908.4	924.4	1002.0	1101.0	940.8
40°	928.6	932.6	956.5	983.9	982.4	957.6	963.0	973.7	1043.2	1152.7	972.6
42.5°	956.6	964.4	999.1	1037.9	1049.1	1027.2	1035.8	1041.4	1101.1	1221.3	1027.9
45°	993.9	1002.3	1050.4	1097.2	1123.3	1111.0	1124.6	1126.8	1174.0	1314.6	1108.4
47.5°	1050.3	1059.8	1115.9	1165.1	1204.9	1206.2	1228.7	1227.8	1265.1	1421.5	1209.7
50°	1138.1	1151.9	1197.8	1243.8	1292.2	1319.1	1349.1	1344.9	1374.2	1535.2	1326.4
52.5°	1253.2	1259.6	1293.6	1327.5	1387.7	1448.1	1491.2	1487.4	1498.0	1652.2	1458.8
55°	1372.5	1377.2	1391.3	1409.9	1490.7	1589.3	1680.3	1674.4	1647.6	1773.7	1589.7
57.5°	1479.7	1489.4	1499.1	1506.8	1594.5	1736.8	1873.8	1874.3	1809.9	1904.7	1725.0
60°	1496.4	1504.9	1569.2	1629.7	1772.1	1933.7	2080.9	2076.6	1977.9	2046.9	1875.7
62.5°	1322.7	1342.0	1449.3	1610.5	1943.1	2293.7	2345.2	2339.8	2178.8	2222.1	2051.2
65°	947.9	969.8	1099.2	1341.4	1860.2	2690.4	2822.0	2749.9	2452.7	2437.6	2256.8
67.5°	546.9	552.1	608.2	802.7	1416.4	2711.2	3549.5	3448.5	2878.1	2682.2	2357.3
70°	404.4	404.2	417.6	494.0	766.5	2212.7	3895.5	3986.1	3326.0	2762.6	2215.2
71°	365.7	366.1	381.1	449.6	607.0	1852.1	3822.0	4020.3	3444.0	2722.9	2112.3
72.5°	312.8	314.2	335.0	403.2	510.6	1277.2	3505.4	3815.0	3499.9	2624.9	1951.2
75°	237.3	240.6	269.3	339.9	466.7	647.7	2572.7	3046.4	3109.2	2316.2	1449.9
77.5°	169.3	173.1	205.5	285.8	443.7	488.2	1722.9	2222.1	2288.1	1484.4	654.0
80°	107.0	111.5	136.0	227.4	416.9	463.5	1082.7	1493.6	1247.7	475.0	166.4
82.5°	62.8	66.2	84.4	148.6	340.5	446.4	637.0	827.9	485.6	143.5	75.7
85°	36.4	38.0	52.6	94.6	247.3	421.3	468.0	462.8	210.7	70.2	35.8
87.5°	17.0	18.8	31.2	49.4	137.3	305.4	369.9	319.6	131.0	32.9	16.8
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: P385435
 CATALOG NUMBER: GAW-SA1A-727-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1152.9	1152.9	1152.9	1152.9	1152.9	1152.9	1152.9	1152.9	1152.9	1152.9	1152.9
2.5°	1142.9	1140.4	1130.1	1121.0	1111.4	1099.0	1085.2	1083.4	1075.0	1076.6	1073.7
5°	1120.3	1114.0	1089.2	1066.8	1040.3	1016.5	990.7	978.8	961.7	960.5	956.2
7.5°	1087.9	1076.3	1037.9	995.3	952.7	912.1	872.0	845.6	818.6	807.2	806.2
10°	1051.6	1031.8	975.3	912.3	850.8	791.5	734.1	691.7	653.4	635.3	634.6
12.5°	1017.1	987.9	910.4	824.6	740.5	663.7	585.0	529.2	481.2	465.1	458.3
15°	987.8	946.8	847.2	737.5	635.4	528.8	439.2	380.5	336.1	320.8	317.9
17.5°	959.4	906.6	782.4	649.5	526.1	408.9	319.2	275.5	251.9	245.7	245.5
20°	931.1	865.3	714.7	559.5	420.5	305.8	245.4	225.8	217.8	217.1	216.0
22.5°	899.1	821.5	643.5	469.2	328.2	240.5	208.6	200.7	199.7	202.3	202.3
25°	869.1	778.1	571.4	380.8	255.2	200.6	186.3	184.7	187.4	192.0	192.5
27.5°	841.1	736.2	500.9	302.2	204.5	176.7	170.7	172.6	177.6	182.9	183.1
30°	818.1	696.6	432.5	238.1	172.8	158.9	157.8	161.6	167.0	171.2	172.2
32.5°	800.2	662.8	366.4	191.5	152.0	145.5	146.4	149.6	152.9	155.2	156.8
35°	792.0	633.8	305.4	161.5	138.9	135.2	136.4	138.1	139.6	141.3	142.6
37.5°	793.4	611.4	250.9	142.8	130.0	128.1	128.1	128.1	128.1	129.0	129.1
40°	806.9	598.5	206.5	130.9	124.1	122.0	120.4	119.0	117.8	118.4	118.1
42.5°	841.4	597.3	174.1	123.3	119.3	116.0	112.8	110.7	109.3	109.9	110.2
45°	899.9	611.8	152.2	118.0	114.8	109.7	105.7	103.5	102.5	104.4	104.6
47.5°	975.8	643.4	138.9	114.1	110.6	103.9	99.6	97.5	97.8	100.6	101.3
50°	1073.4	694.7	132.5	111.6	107.7	99.0	94.5	92.8	93.6	97.5	98.4
52.5°	1180.7	768.6	133.2	110.9	105.8	95.4	90.6	88.6	90.0	93.6	94.4
55°	1304.5	857.5	145.2	111.9	103.1	93.1	87.4	83.9	85.1	88.4	89.0
57.5°	1442.0	959.2	169.4	111.6	99.6	90.9	84.1	78.8	79.7	81.7	82.3
60°	1585.2	1082.1	207.0	112.5	98.0	88.3	79.6	73.1	72.8	74.5	74.8
62.5°	1757.1	1224.3	249.9	113.1	99.0	84.9	73.6	67.3	66.4	66.8	67.1
65°	1934.3	1327.2	233.8	110.7	102.2	82.2	68.4	61.6	60.0	59.7	59.9
67.5°	1939.8	1216.9	163.9	106.1	103.5	80.7	64.5	56.8	54.2	53.2	53.0
70°	1739.6	988.7	127.7	101.2	98.3	78.4	60.9	52.9	49.0	47.4	47.3
71°	1641.9	910.1	121.0	98.7	94.4	76.1	59.3	51.2	47.1	45.4	45.1
72.5°	1488.7	815.9	112.9	94.8	86.8	70.2	56.2	48.7	44.5	42.5	42.0
75°	1068.4	533.5	97.0	84.5	71.9	55.9	49.3	43.8	40.1	37.7	37.4
77.5°	411.6	212.3	73.3	70.3	55.1	43.8	40.6	37.8	35.2	32.8	32.6
80°	127.3	94.9	53.5	52.9	39.9	32.6	31.6	30.9	29.9	27.2	26.7
82.5°	68.0	54.5	36.8	34.2	26.1	21.7	22.9	23.2	23.3	20.6	20.3
85°	32.5	28.8	20.7	19.4	15.2	12.2	14.1	15.2	15.4	12.6	11.7
87.5°	15.5	15.1	9.7	7.4	5.7	4.1	4.9	6.1	6.7	4.8	4.2
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)