

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: P385490

Luminaire Tested: GAW-SA1A-735-U-SL3-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1A-735-U-SL3-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3994.3 lumens
Efficiency: N/A
Efficacy: 117.5 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

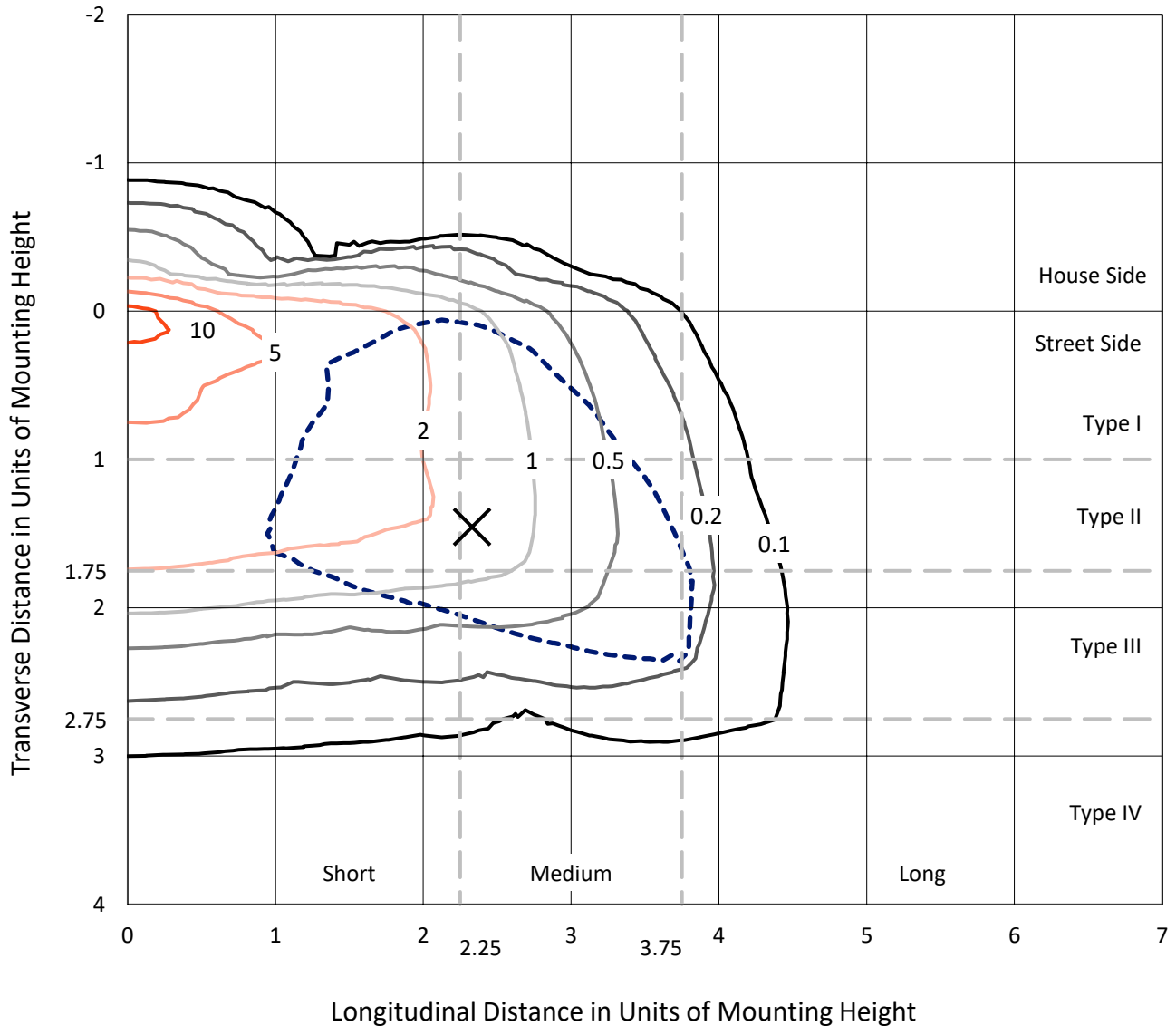
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

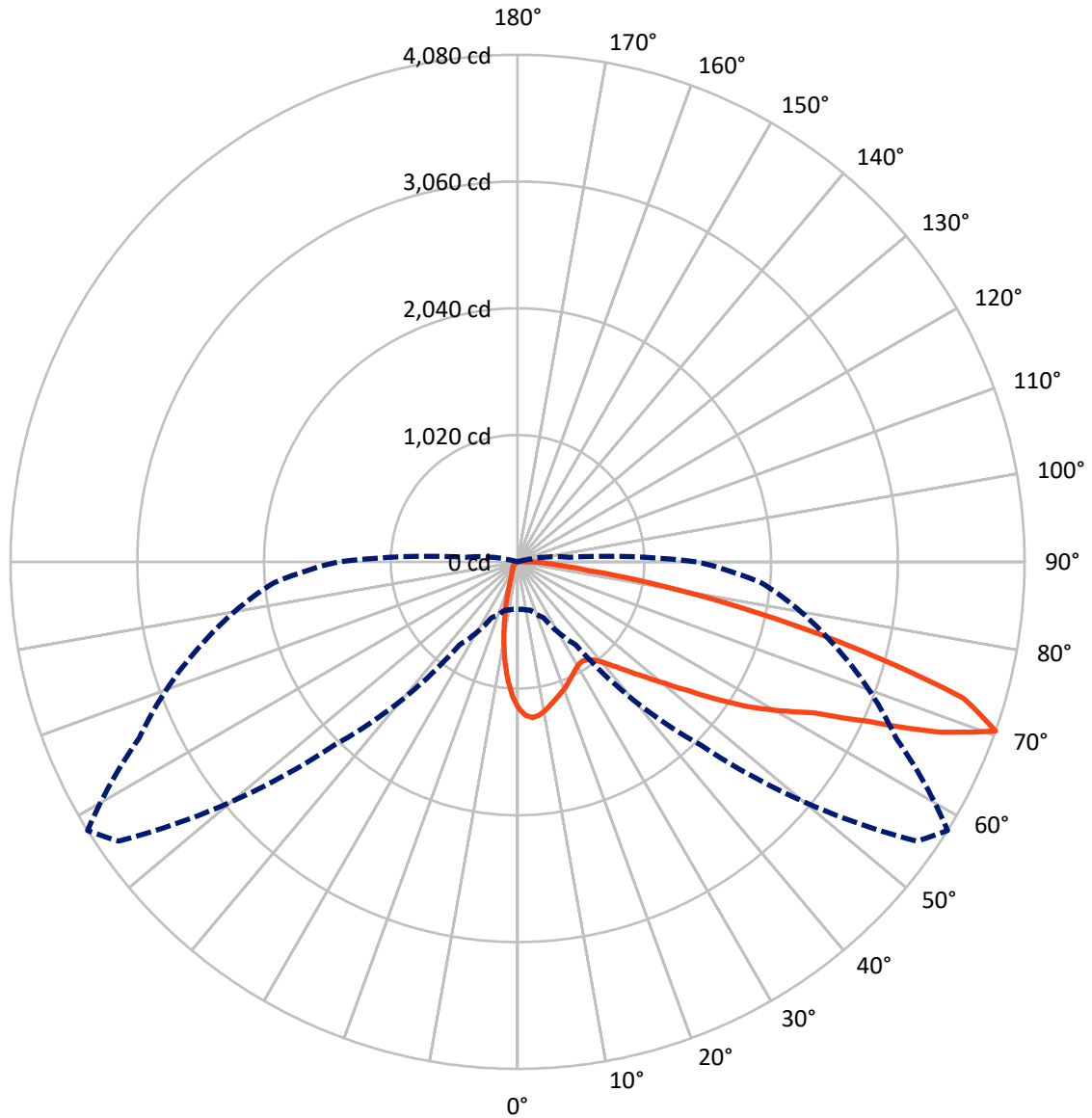
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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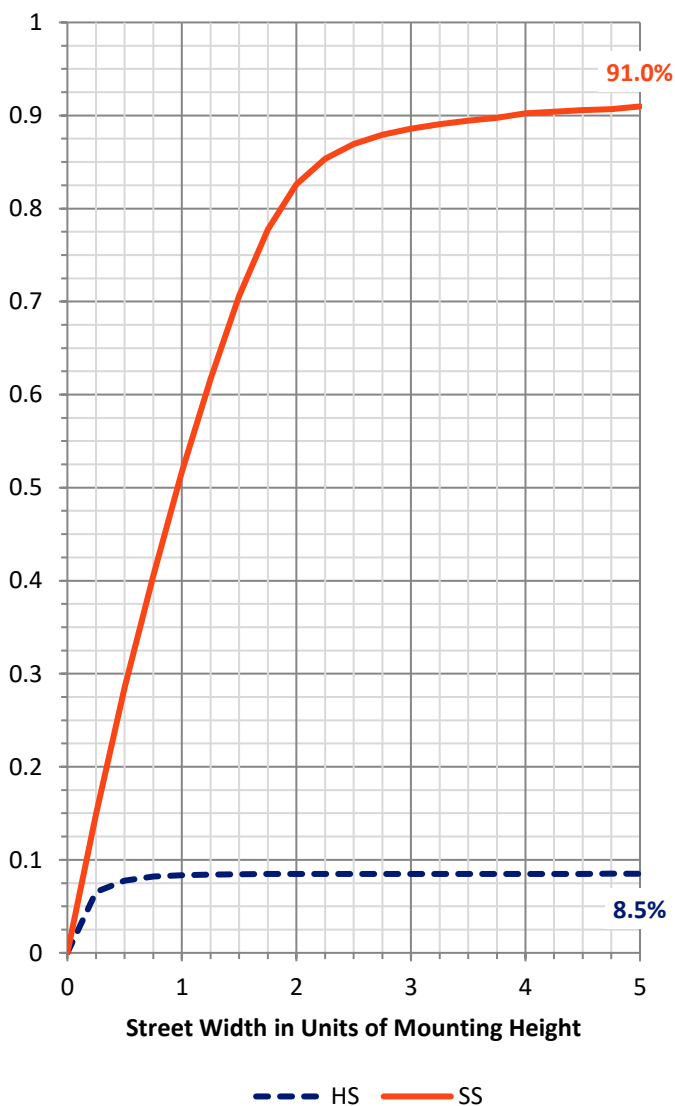
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	341.8	0.0	341.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	3652.5	0.0	3652.5
	% Fixture	91.4	0.0	91.4
Total	Lumens	3994.3	0.0	3994.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	2.4
10°-20°	202.5	5.1
20°-30°	266.2	6.7
30°-40°	352.6	8.8
40°-50°	527.0	13.2
50°-60°	844.2	21.1
60°-70°	1064.1	26.6
70°-80°	574.0	14.4
80°-90°	67.2	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°	3994.3	100.0
0°-180°	3994.3	100.0

Coefficient of Utilization

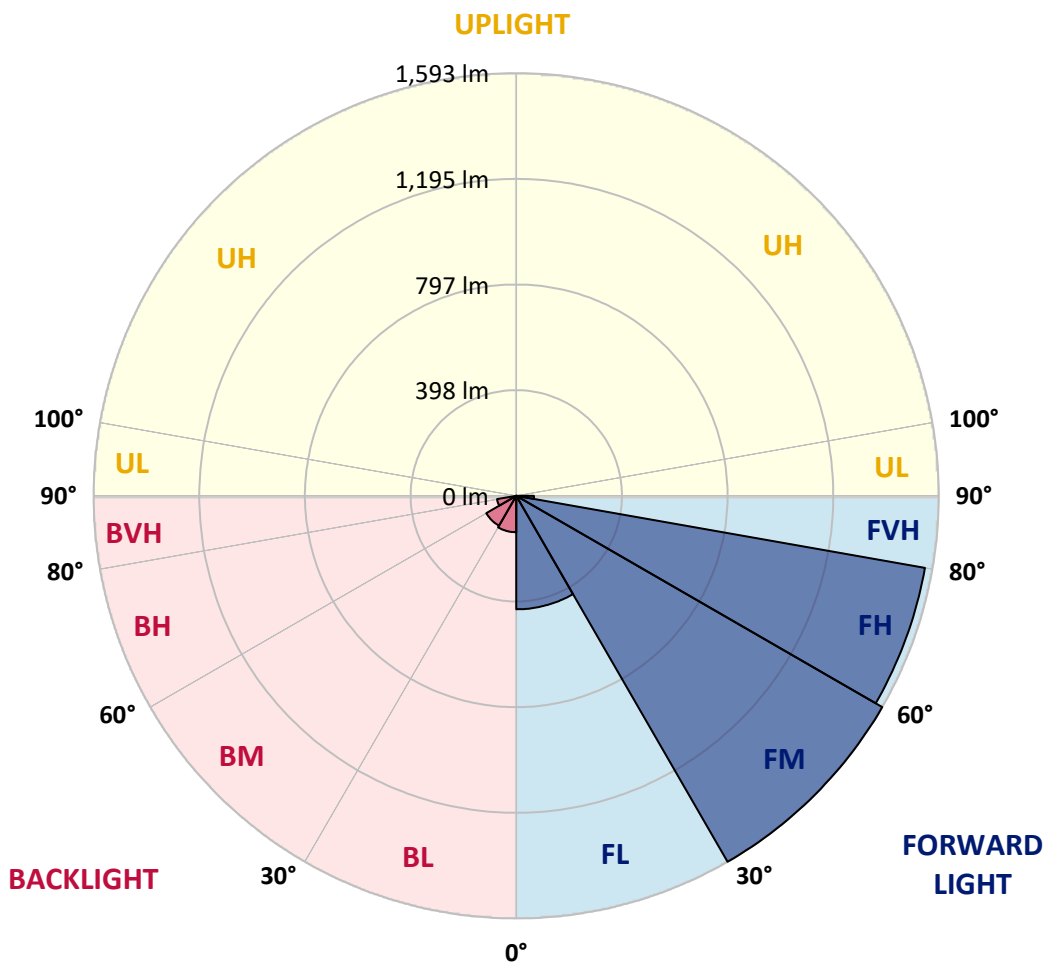


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.9	10.7			
FM (30°-60°)	1593.4	39.9			
FH (60°-80°)	1564.6	39.2			G1/1800
FVH (80°-90°)	66.6	1.7			G1/100
BL (0°-30°)	137.3	3.4	B1/500		
BM (30°-60°)	130.4	3.3	B0/220		
BH (60°-80°)	73.5	1.8	B0/110		G0/110
BVH (80°-90°)	0.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9
2.5°	1277.8	1274.6	1273.4	1271.4	1263.8	1256.3	1241.5	1237.4	1228.1	1206.0	1182.5
5°	1278.7	1278.5	1282.1	1281.2	1278.5	1275.0	1264.4	1259.0	1243.2	1211.6	1168.8
7.5°	1217.1	1220.3	1228.1	1234.4	1241.7	1251.2	1252.5	1247.1	1234.2	1200.2	1143.3
10°	1134.4	1139.4	1150.3	1162.8	1181.9	1200.8	1217.7	1217.1	1212.7	1179.0	1112.8
12.5°	1051.6	1057.3	1070.0	1088.4	1115.4	1146.3	1176.6	1180.7	1188.2	1160.2	1084.5
15°	978.9	983.9	996.4	1019.0	1052.5	1094.0	1138.4	1146.1	1165.3	1145.3	1061.0
17.5°	917.3	920.5	929.6	954.7	993.5	1043.9	1101.5	1116.5	1145.2	1133.8	1040.6
20°	874.3	874.8	880.8	898.3	937.2	993.5	1063.3	1084.7	1123.9	1123.8	1019.4
22.5°	853.1	851.4	852.5	862.6	891.2	945.5	1025.1	1050.5	1104.8	1115.2	998.0
25°	849.0	847.7	844.4	845.7	863.0	903.5	986.6	1016.0	1088.0	1110.2	979.4
27.5°	861.5	862.8	857.2	851.2	852.5	876.3	952.4	986.4	1074.4	1110.2	966.3
30°	886.6	887.3	883.1	875.3	864.8	868.7	928.6	962.7	1067.6	1117.8	958.0
32.5°	914.3	918.0	917.5	911.2	896.2	880.8	923.0	954.0	1067.2	1134.7	957.1
35°	948.7	952.8	959.9	958.5	942.9	917.5	942.2	966.6	1076.9	1162.6	966.2
37.5°	985.2	991.5	1006.5	1013.6	1003.6	974.8	985.4	1002.8	1103.1	1207.8	988.9
40°	1020.7	1027.8	1055.0	1083.0	1075.4	1045.8	1050.8	1064.8	1149.8	1272.8	1032.1
42.5°	1055.3	1065.9	1105.9	1152.2	1161.3	1137.7	1140.3	1151.5	1219.1	1362.1	1102.7
45°	1096.8	1108.8	1168.1	1225.1	1249.5	1239.2	1250.5	1257.8	1309.6	1480.2	1197.8
47.5°	1157.8	1171.6	1244.3	1309.3	1352.2	1358.7	1381.6	1386.4	1424.0	1617.7	1321.9
50°	1276.7	1280.6	1346.3	1405.2	1467.1	1506.9	1532.8	1536.5	1562.6	1768.0	1476.8
52.5°	1426.4	1428.9	1466.1	1505.6	1575.8	1657.3	1717.9	1723.0	1728.5	1914.5	1629.8
55°	1575.0	1574.7	1599.3	1622.5	1702.9	1821.2	1952.7	1955.9	1916.5	2053.5	1746.8
57.5°	1667.9	1676.8	1714.2	1744.1	1856.3	2008.0	2190.6	2202.2	2114.0	2156.5	1862.3
60°	1638.3	1642.6	1725.5	1836.1	2047.5	2273.6	2431.2	2434.2	2262.4	2259.3	2008.5
62.5°	1395.8	1398.1	1528.4	1756.4	2144.4	2618.1	2721.5	2672.9	2433.2	2401.9	2183.4
65°	956.7	971.8	1080.6	1362.4	1966.5	2834.2	3171.0	3090.4	2693.4	2607.6	2341.5
67.5°	563.4	560.3	614.0	821.7	1444.3	2690.6	3739.5	3659.4	3048.4	2745.3	2295.2
70°	384.9	382.7	403.3	497.4	815.3	2087.2	3918.4	4080.0	3361.8	2652.6	1975.3
72.5°	274.7	275.9	306.2	386.5	511.9	1216.1	3369.6	3752.1	3263.6	2312.5	1501.4
75°	186.6	189.7	233.2	317.0	448.7	618.7	2391.2	2852.3	2657.6	1680.7	863.0
77.5°	100.3	103.8	155.1	255.4	405.7	429.9	1538.2	1963.1	1669.4	755.6	250.2
80°	41.9	43.9	72.6	185.7	350.6	377.5	905.0	1190.4	711.4	149.0	55.8
82.5°	18.1	19.1	30.2	110.8	262.1	318.7	479.2	572.7	215.6	32.7	28.1
85°	3.5	3.7	12.5	58.6	167.2	179.9	310.6	304.5	96.9	14.1	20.4
87.5°	0.0	0.0	3.0	18.4	49.1	98.0	189.5	187.2	32.9	6.8	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9
2.5°	1170.6	1159.1	1135.1	1105.3	1082.6	1057.5	1037.6	1012.3	1001.4	1001.9	995.9
5°	1144.4	1120.8	1067.4	1000.2	948.4	894.9	848.8	803.1	775.9	767.2	758.8
7.5°	1106.8	1069.4	984.4	880.8	793.0	707.4	632.8	567.2	525.7	505.4	498.0
10°	1064.4	1012.0	888.9	752.4	627.1	511.2	414.6	330.5	296.9	274.2	268.4
12.5°	1027.2	956.2	795.6	620.7	472.0	332.2	240.0	187.7	165.0	155.9	154.4
15°	992.2	904.0	705.7	501.4	326.9	204.4	152.7	134.9	129.5	128.0	128.0
17.5°	959.1	854.4	617.8	384.0	216.2	143.4	126.3	122.4	120.7	120.6	120.7
20°	924.6	804.7	531.5	281.3	151.0	121.4	116.8	114.6	114.1	114.1	114.1
22.5°	891.6	755.1	447.4	200.9	121.1	110.8	108.5	107.0	106.4	106.3	106.0
25°	859.8	707.8	365.4	142.0	106.3	101.5	99.5	97.5	96.0	95.2	94.7
27.5°	833.8	665.8	289.0	113.9	96.0	91.9	89.3	86.3	82.7	81.1	80.4
30°	813.0	627.5	222.7	96.2	86.3	82.2	78.4	73.3	67.9	65.1	64.9
32.5°	796.7	589.8	169.1	85.0	77.7	72.6	67.1	60.6	54.5	51.3	51.2
35°	788.7	556.6	129.3	76.9	70.1	63.6	56.8	49.7	43.7	40.7	40.4
37.5°	794.1	528.5	100.8	70.1	63.6	56.2	48.2	40.7	35.4	32.7	32.6
40°	813.5	510.6	81.9	64.3	58.1	49.0	40.4	33.3	28.9	26.8	26.6
42.5°	854.8	503.9	69.9	59.5	52.8	42.4	33.5	27.5	23.4	21.9	21.6
45°	924.0	513.8	61.8	54.8	47.3	36.1	27.7	22.5	19.0	17.8	17.6
47.5°	1016.0	539.5	56.0	50.4	42.4	30.4	23.1	18.2	15.4	14.3	14.1
50°	1134.6	580.4	51.2	45.8	37.7	25.7	19.1	14.5	11.9	11.1	11.1
52.5°	1263.6	629.0	46.9	41.7	33.1	21.4	15.4	11.1	9.5	8.5	8.5
55°	1370.2	671.5	42.2	38.5	27.4	17.8	11.8	8.5	7.0	6.5	6.5
57.5°	1476.7	716.9	36.9	33.1	21.9	14.5	8.9	6.3	5.2	4.8	4.8
60°	1614.7	772.3	31.8	26.9	17.3	11.0	6.7	4.5	3.9	3.7	3.7
62.5°	1766.5	804.9	27.1	21.6	13.4	8.2	4.8	3.0	2.8	2.8	2.6
65°	1859.3	758.8	22.7	17.3	10.4	6.1	3.2	2.2	2.5	2.3	2.0
67.5°	1741.0	594.1	18.6	13.4	8.2	4.7	2.0	1.5	2.6	2.2	1.7
70°	1441.5	415.9	14.5	9.5	6.5	3.9	1.3	1.0	2.8	2.2	1.3
72.5°	1078.7	278.3	11.5	6.3	4.8	3.5	1.1	0.5	2.5	1.8	1.1
75°	589.5	112.1	9.1	3.9	3.0	2.5	0.8	0.4	1.7	1.3	0.8
77.5°	155.1	29.6	6.7	2.6	1.7	1.0	0.5	0.2	0.8	0.7	0.4
80°	39.5	11.5	4.3	1.8	1.1	0.5	0.0	0.0	0.2	0.0	0.0
82.5°	21.1	4.8	2.6	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.0	3.2	1.5	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.1	1.0	0.5	0.0	0.0	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)