

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: P385714

Luminaire Tested: GAW-SA1B-735-U-SL3-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385714
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-SA1B-735-U-SL3-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 800mA 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: 4898 lumens
Efficiency: N/A
Efficacy: 111.3 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

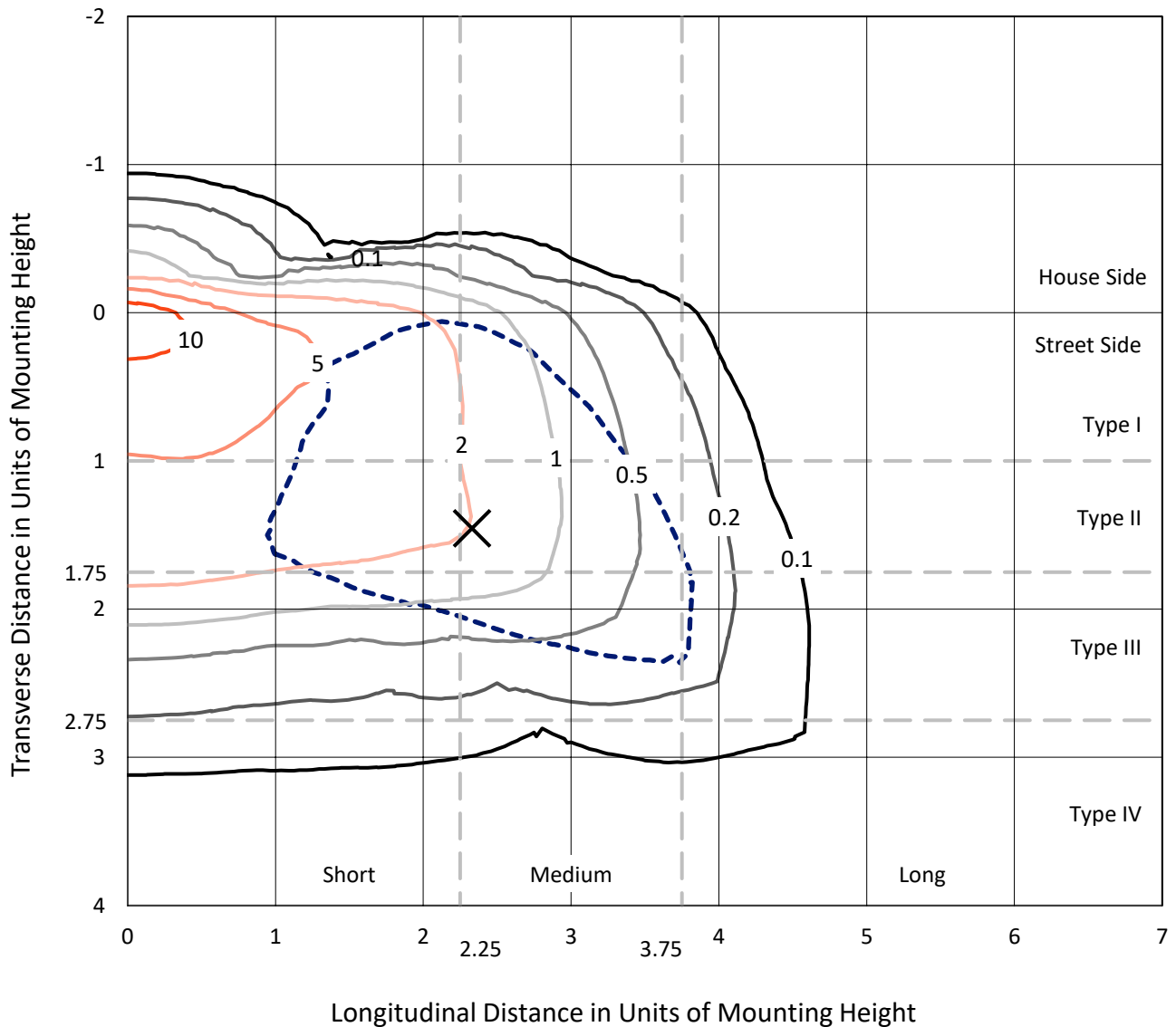
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

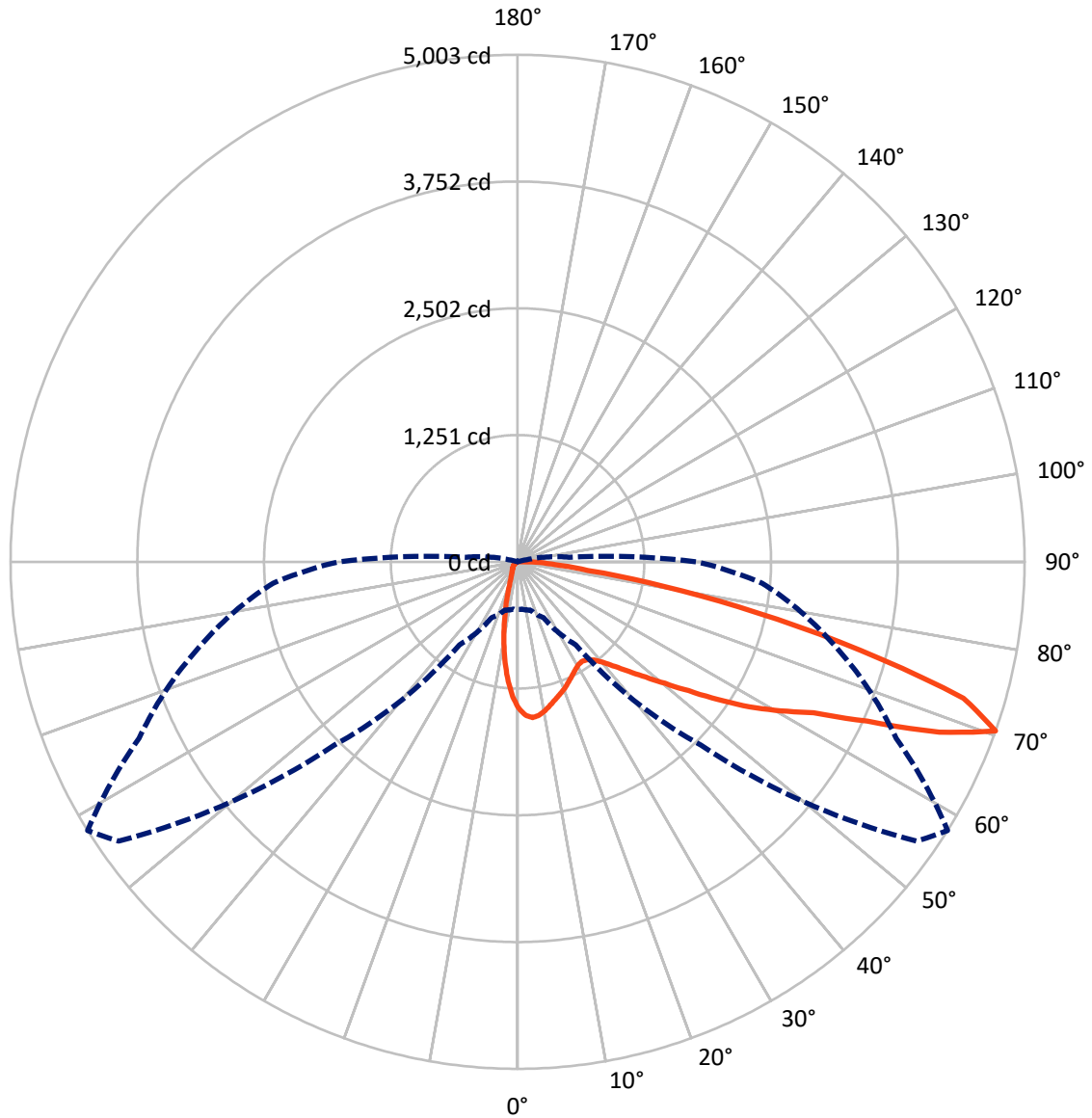
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 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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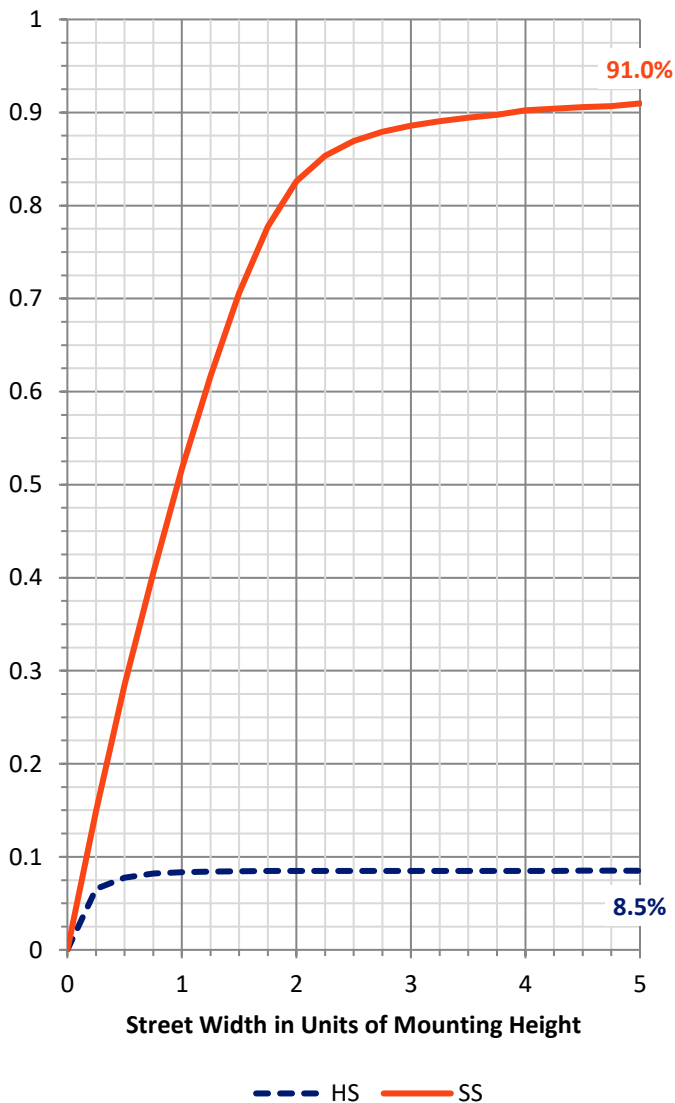
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	419.2	0.0	419.2
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	4478.8	0.0	4478.8
	% Fixture	91.4	0.0	91.4
Total	Lumens	4898.0	0.0	4898.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	2.4
10°-20°	248.3	5.1
20°-30°	326.5	6.7
30°-40°	432.3	8.8
40°-50°	646.2	13.2
50°-60°	1035.2	21.1
60°-70°	1304.9	26.6
70°-80°	703.9	14.4
80°-90°	82.4	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°	4898.0	100.0
0°-180°	4898.0	100.0

Coefficient of Utilization

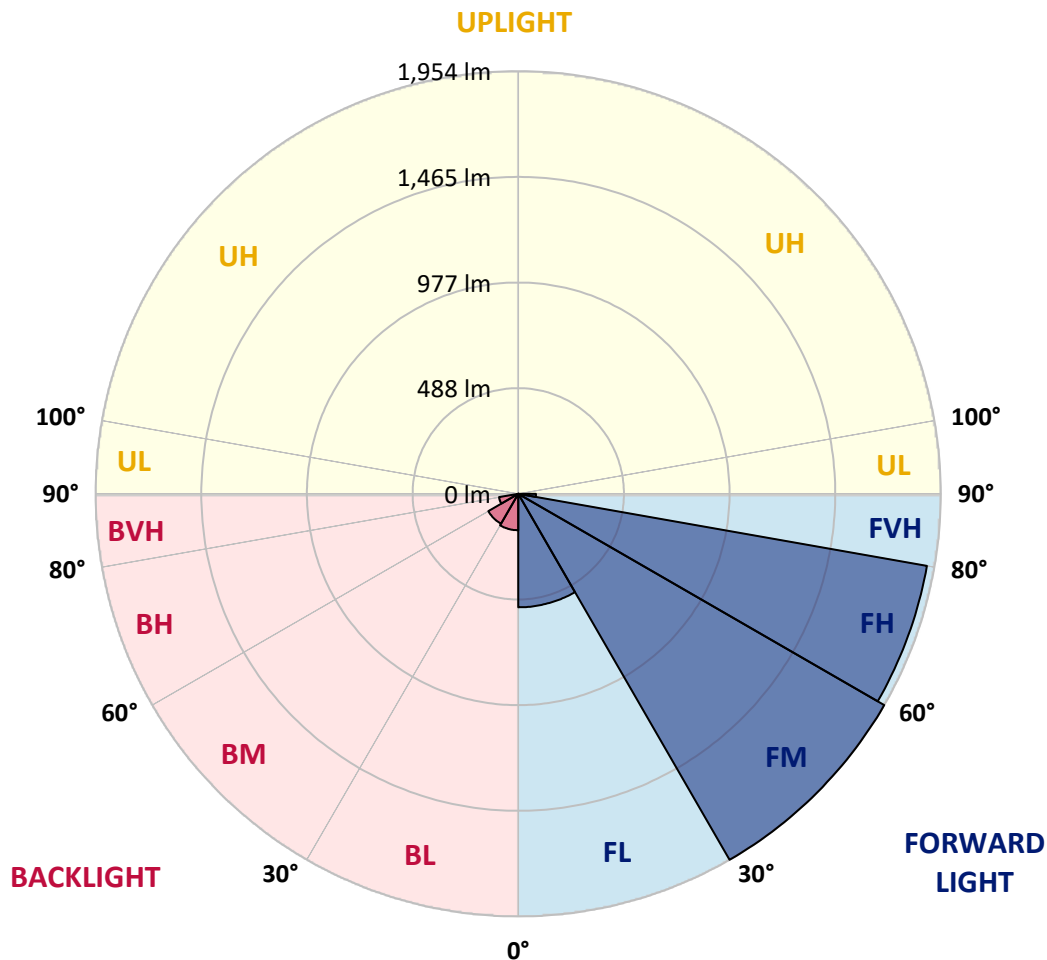


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	524.7	10.7			
FM (30°-60°)	1953.9	39.9			
FH (60°-80°)	1918.6	39.2			G2/5000
FVH (80°-90°)	81.7	1.7			G1/100
BL (0°-30°)	168.4	3.4	B1/500		
BM (30°-60°)	159.9	3.3	B0/220		
BH (60°-80°)	90.2	1.8	B0/110		G0/110
BVH (80°-90°)	0.7	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1446.9	1446.9	1446.9	1446.9	1446.9	1446.9	1446.9	1446.9	1446.9	1446.9	1446.9
2.5°	1566.8	1563.0	1561.6	1559.1	1549.7	1540.5	1522.4	1517.3	1505.9	1478.8	1450.1
5°	1568.0	1567.8	1572.1	1571.0	1567.8	1563.5	1550.5	1543.8	1524.4	1485.7	1433.2
7.5°	1492.5	1496.4	1505.9	1513.6	1522.6	1534.2	1535.8	1529.3	1513.5	1471.7	1402.0
10°	1391.1	1397.2	1410.6	1425.9	1449.3	1472.5	1493.3	1492.5	1487.0	1445.8	1364.6
12.5°	1289.4	1296.6	1312.1	1334.6	1367.9	1405.7	1442.8	1447.9	1457.0	1422.6	1329.9
15°	1200.5	1206.6	1221.8	1249.5	1290.6	1341.5	1395.9	1405.3	1428.9	1404.5	1301.1
17.5°	1124.8	1128.7	1140.0	1170.7	1218.3	1280.0	1350.8	1369.1	1404.3	1390.2	1276.0
20°	1072.1	1072.7	1080.0	1101.6	1149.3	1218.3	1303.9	1330.2	1378.2	1378.0	1250.1
22.5°	1046.0	1043.9	1045.5	1057.9	1092.9	1159.5	1257.0	1288.2	1354.8	1367.7	1223.8
25°	1041.1	1039.5	1035.4	1037.1	1058.2	1107.9	1209.8	1245.8	1334.2	1361.3	1201.0
27.5°	1056.4	1058.0	1051.1	1043.8	1045.5	1074.6	1167.9	1209.6	1317.5	1361.3	1185.0
30°	1087.2	1088.0	1082.9	1073.4	1060.5	1065.2	1138.7	1180.4	1309.1	1370.7	1174.7
32.5°	1121.2	1125.7	1125.0	1117.3	1099.0	1080.0	1131.8	1169.8	1308.6	1391.4	1173.8
35°	1163.3	1168.4	1177.0	1175.4	1156.2	1125.0	1155.4	1185.3	1320.6	1425.6	1184.8
37.5°	1208.2	1215.9	1234.2	1243.0	1230.5	1195.3	1208.3	1229.8	1352.7	1481.0	1212.7
40°	1251.6	1260.3	1293.7	1328.1	1318.7	1282.5	1288.6	1305.7	1409.9	1560.7	1265.6
42.5°	1294.1	1307.2	1356.2	1412.8	1424.0	1395.1	1398.4	1412.0	1495.0	1670.2	1352.2
45°	1345.0	1359.7	1432.4	1502.3	1532.2	1519.6	1533.4	1542.4	1605.9	1815.1	1468.8
47.5°	1419.8	1436.7	1525.9	1605.5	1658.0	1666.2	1694.1	1700.0	1746.2	1983.7	1621.0
50°	1565.6	1570.3	1650.9	1723.2	1798.9	1847.9	1879.6	1884.1	1916.1	2168.0	1811.0
52.5°	1749.1	1752.2	1797.7	1846.2	1932.4	2032.2	2106.5	2112.8	2119.6	2347.6	1998.6
55°	1931.4	1930.9	1961.1	1989.6	2088.2	2233.2	2394.5	2398.4	2350.1	2518.1	2142.0
57.5°	2045.2	2056.2	2102.1	2138.7	2276.3	2462.3	2686.2	2700.4	2592.3	2644.4	2283.7
60°	2009.0	2014.2	2115.9	2251.5	2510.8	2788.0	2981.3	2984.9	2774.3	2770.5	2462.9
62.5°	1711.6	1714.5	1874.2	2153.7	2629.6	3210.4	3337.3	3277.6	2983.7	2945.5	2677.4
65°	1173.1	1191.6	1325.0	1670.7	2411.4	3475.4	3888.4	3789.6	3302.8	3197.6	2871.3
67.5°	690.8	687.0	752.9	1007.5	1771.0	3299.4	4585.6	4487.4	3738.1	3366.4	2814.4
70°	471.9	469.2	494.5	609.9	999.8	2559.5	4804.9	5003.0	4122.4	3252.7	2422.2
72.5°	336.9	338.3	375.6	473.9	627.7	1491.3	4132.0	4601.1	4002.0	2835.7	1841.1
75°	228.7	232.6	286.0	388.8	550.3	758.7	2932.2	3497.6	3258.9	2060.9	1058.2
77.5°	123.1	127.3	190.2	313.2	497.6	527.1	1886.1	2407.1	2047.0	926.5	306.7
80°	51.3	53.7	89.0	227.7	430.0	462.9	1109.8	1459.6	872.3	182.7	68.4
82.5°	22.2	23.4	37.1	135.8	321.4	390.9	587.6	702.2	264.3	40.1	34.4
85°	4.3	4.5	15.3	71.9	205.1	220.6	380.8	373.3	118.7	17.3	25.1
87.5°	0.0	0.0	3.7	22.6	60.3	120.1	232.4	229.5	40.3	8.4	9.4
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°	1446.9	1446.9	1446.9	1446.9	1446.9	1446.9	1446.9	1446.9	1446.9	1446.9	1446.9
2.5°	1435.4	1421.4	1391.9	1355.4	1327.5	1296.7	1272.3	1241.3	1227.9	1228.5	1221.2
5°	1403.3	1374.3	1309.0	1226.5	1163.0	1097.4	1040.9	984.8	951.5	940.7	930.6
7.5°	1357.2	1311.4	1207.1	1080.0	972.5	867.4	775.9	695.5	644.6	619.7	610.6
10°	1305.3	1240.9	1090.0	922.6	769.1	626.9	508.3	405.3	364.1	336.2	329.2
12.5°	1259.6	1172.6	975.6	761.1	578.9	407.3	294.3	230.2	202.3	191.3	189.4
15°	1216.7	1108.6	865.4	614.8	400.8	250.7	187.1	165.3	158.9	157.1	157.1
17.5°	1176.2	1047.7	757.6	470.9	265.2	175.8	155.0	150.1	148.0	147.9	148.0
20°	1133.8	986.7	651.8	345.0	185.2	148.9	143.2	140.5	139.9	139.9	139.9
22.5°	1093.3	925.9	548.7	246.4	148.5	135.8	133.0	131.1	130.6	130.4	129.9
25°	1054.4	868.0	448.1	174.2	130.4	124.5	122.0	119.6	117.7	116.7	116.1
27.5°	1022.4	816.5	354.3	139.7	117.7	112.6	109.5	105.9	101.5	99.4	98.5
30°	997.0	769.5	273.1	117.9	105.9	100.8	96.1	89.8	83.3	79.8	79.7
32.5°	977.0	723.2	207.3	104.3	95.3	89.0	82.3	74.3	66.8	62.9	62.8
35°	967.2	682.5	158.5	94.3	86.0	78.0	69.6	60.9	53.5	49.9	49.5
37.5°	973.8	648.1	123.6	86.0	78.0	68.9	59.1	49.9	43.4	40.1	39.9
40°	997.5	626.1	100.4	78.8	71.3	60.1	49.5	41.0	35.4	32.8	32.6
42.5°	1048.3	617.9	85.8	72.9	64.7	51.9	41.1	33.8	28.7	26.9	26.5
45°	1133.0	630.0	75.8	67.2	58.1	44.2	34.0	27.7	23.2	21.8	21.6
47.5°	1245.8	661.5	68.7	61.7	51.9	37.3	28.3	22.4	19.0	17.5	17.3
50°	1391.2	711.6	62.8	56.2	46.2	31.6	23.4	17.8	14.7	13.6	13.6
52.5°	1549.5	771.2	57.4	51.1	40.5	26.3	19.0	13.6	11.6	10.4	10.4
55°	1680.3	823.4	51.8	47.3	33.6	21.8	14.5	10.4	8.5	8.0	8.0
57.5°	1810.8	879.0	45.2	40.5	26.9	17.8	11.0	7.7	6.3	5.9	5.9
60°	1980.1	947.0	38.9	33.0	21.1	13.4	8.2	5.5	4.7	4.5	4.5
62.5°	2166.2	986.9	33.2	26.5	16.5	10.0	5.9	3.7	3.5	3.5	3.3
65°	2280.0	930.6	27.9	21.1	12.9	7.5	3.9	2.6	3.1	2.8	2.4
67.5°	2134.9	728.5	22.8	16.5	10.0	5.7	2.4	1.9	3.3	2.6	2.1
70°	1767.7	510.0	17.8	11.6	8.0	4.9	1.6	1.2	3.5	2.6	1.6
72.5°	1322.9	341.4	14.1	7.7	5.9	4.3	1.4	0.7	3.1	2.3	1.4
75°	722.8	137.4	11.2	4.9	3.7	3.1	1.0	0.4	2.1	1.6	1.0
77.5°	190.2	36.3	8.2	3.3	2.1	1.2	0.7	0.2	1.0	0.8	0.4
80°	48.5	14.1	5.3	2.3	1.4	0.7	0.0	0.0	0.2	0.0	0.0
82.5°	25.8	5.9	3.3	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.5	3.9	1.9	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.5	1.2	0.7	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)