

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: P323175

Luminaire Tested: **GAN-SA1D-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323175
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-SA1D-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 6128 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

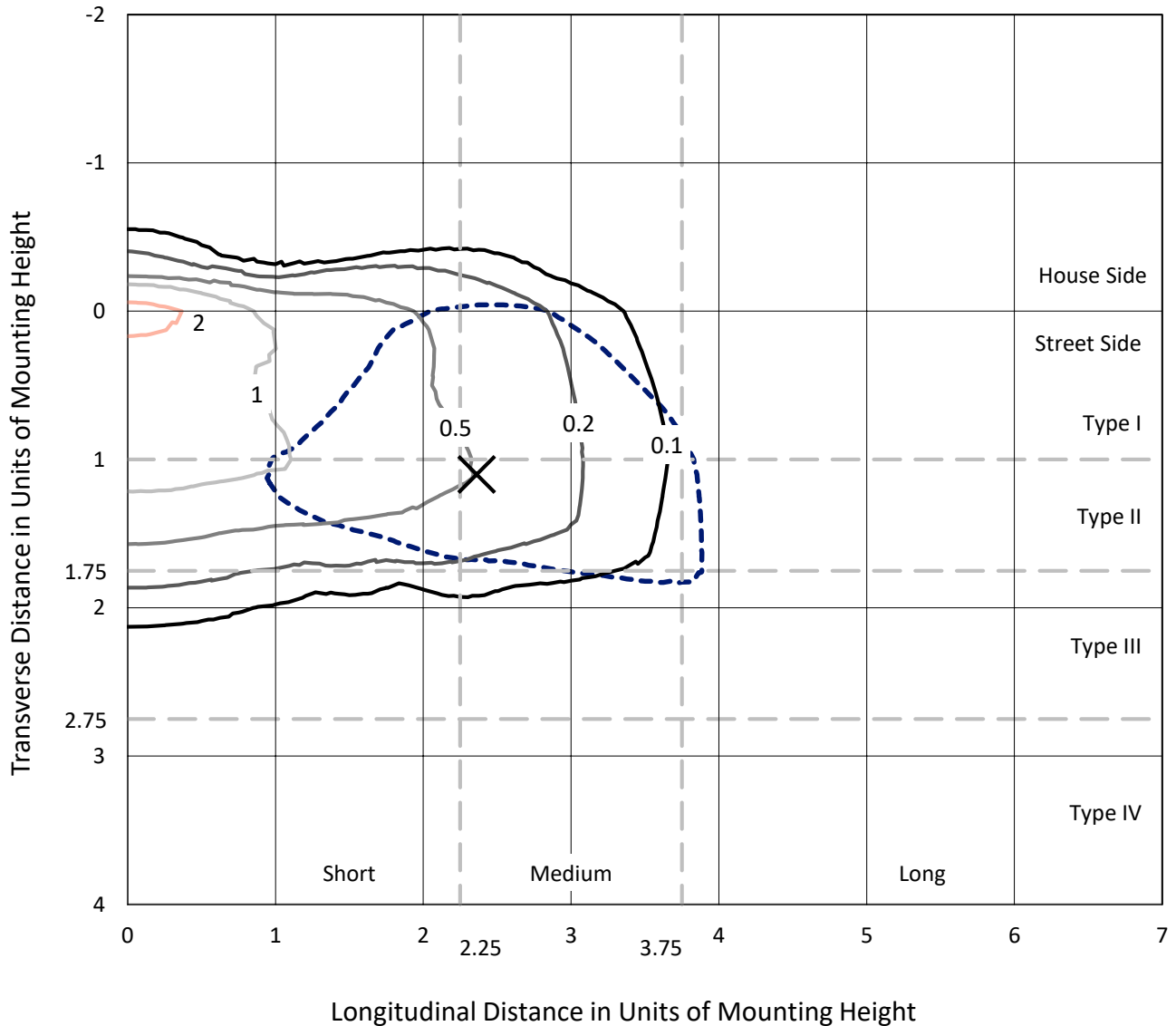
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323175
 CATALOG NUMBER: GAN-SA1D-730-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

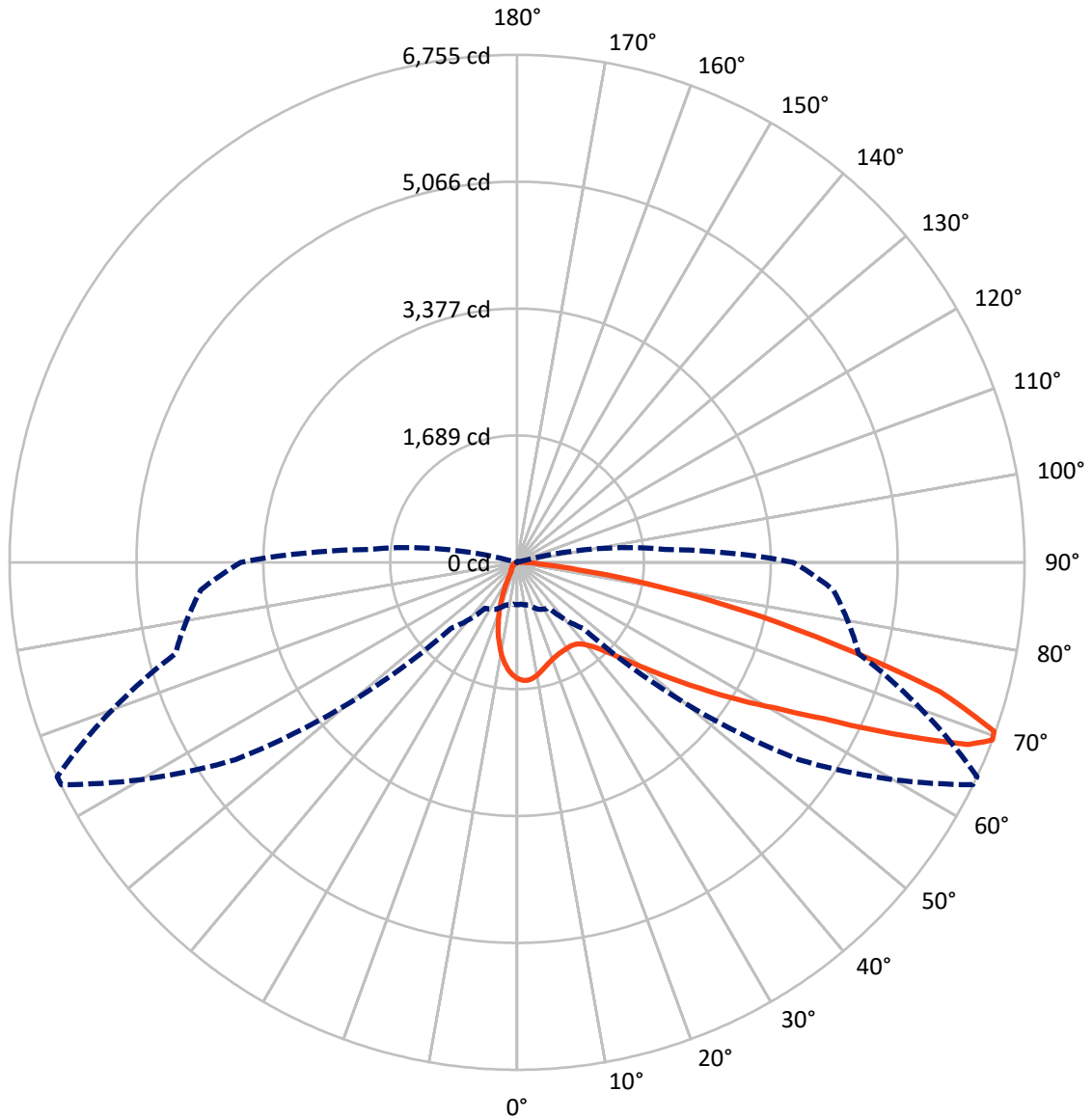
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P323175
CATALOG NUMBER: GAN-SA1D-730-U-SL2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P323175
 CATALOG NUMBER: GAN-SA1D-730-U-SL2-HSS

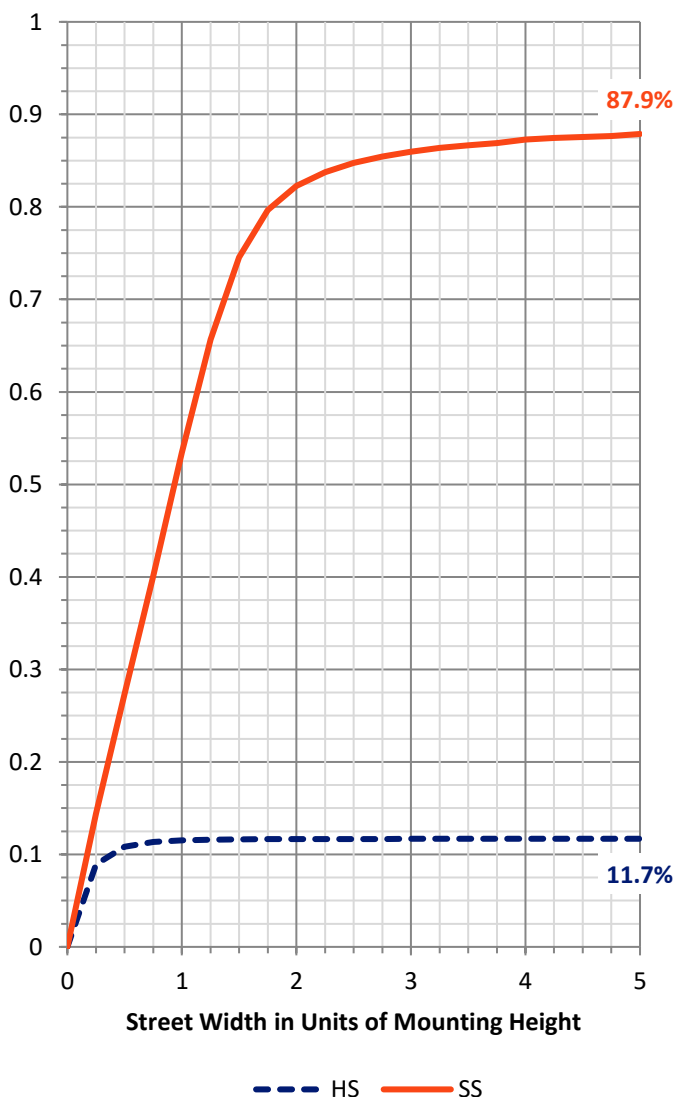
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	722.3	0.0	722.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	5405.6	0.0	5405.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	6128.0	0.0	6128.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.5	2.1
10°-20°	283.5	4.6
20°-30°	392.6	6.4
30°-40°	547.4	8.9
40°-50°	850.9	13.9
50°-60°	1366.0	22.3
60°-70°	1545.1	25.2
70°-80°	907.5	14.8
80°-90°	105.6	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°	6128.0	100.0
0°-180°	6128.0	100.0

Coefficient of Utilization

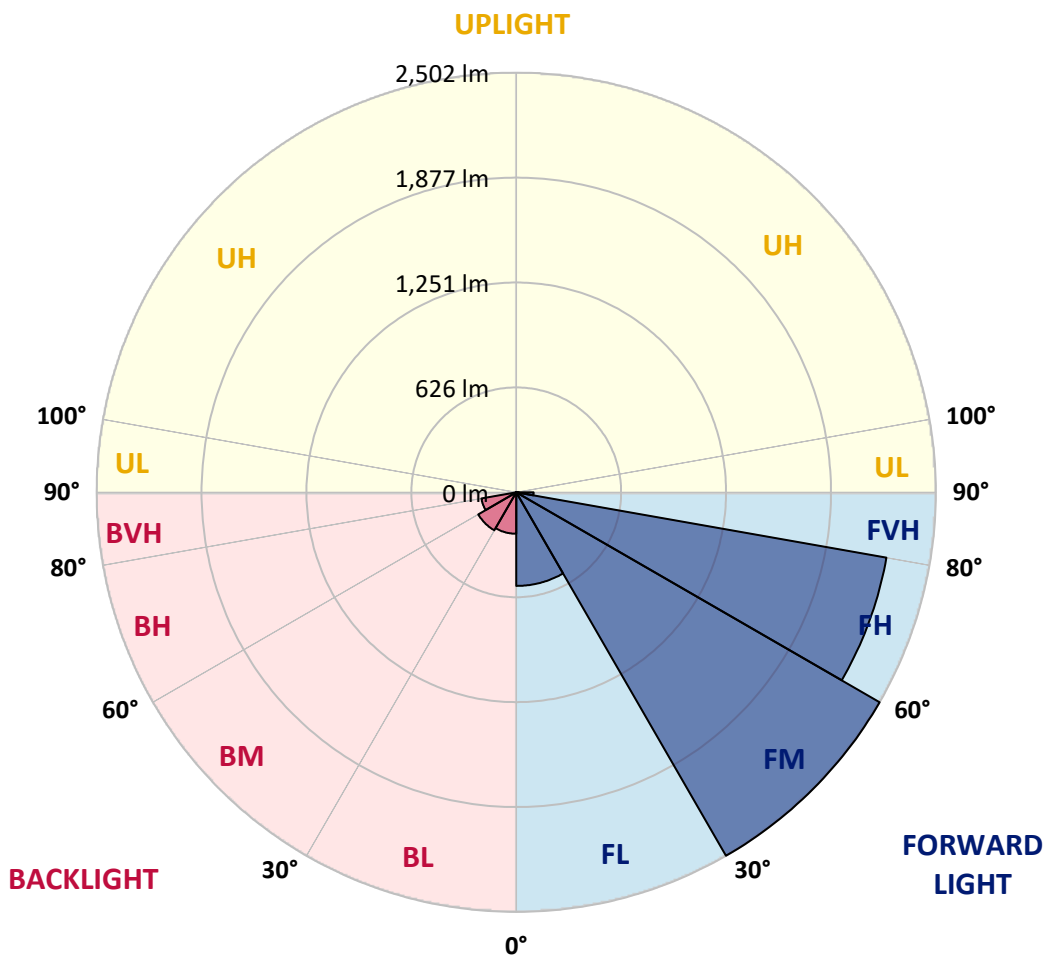


REPORT NUMBER: P323175
 CATALOG NUMBER: GAN-SA1D-730-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	558.4	9.1			
FM (30°-60°)	2502.5	40.8			
FH (60°-80°)	2241.6	36.6			G2/5000
FVH (80°-90°)	103.2	1.7			G2/225
BL (0°-30°)	247.2	4.0	B1/500		
BM (30°-60°)	261.8	4.3	B1/1000		
BH (60°-80°)	211.1	3.4	B1/500		G1/500
BVH (80°-90°)	2.4	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





REPORT NUMBER: P323175

CATALOG NUMBER: GAN-SA1D-730-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1548.6	1548.6	1548.6	1548.6	1548.6	1548.6	1548.6	1548.6	1548.6	1548.6	1548.6
2.5°	1562.3	1558.4	1561.5	1568.3	1571.6	1571.6	1574.2	1571.1	1572.2	1564.6	1553.7
5°	1464.5	1458.6	1467.1	1486.1	1509.4	1529.4	1558.9	1574.5	1576.0	1576.3	1563.6
7.5°	1359.3	1353.8	1366.5	1388.8	1418.9	1456.0	1507.6	1552.7	1555.3	1579.7	1570.3
10°	1273.7	1269.8	1284.6	1308.4	1343.7	1385.2	1448.5	1511.2	1518.7	1572.7	1569.3
12.5°	1205.8	1202.6	1216.6	1244.1	1280.2	1326.1	1392.2	1465.1	1475.2	1556.9	1564.1
15°	1156.2	1155.7	1167.4	1193.8	1233.8	1276.5	1344.2	1422.3	1433.9	1539.7	1563.3
17.5°	1130.3	1131.1	1139.6	1162.2	1196.4	1238.9	1303.8	1386.2	1398.9	1524.4	1567.2
20°	1127.7	1128.5	1133.2	1145.9	1173.6	1211.2	1270.8	1355.9	1369.1	1513.0	1573.4
22.5°	1150.5	1150.0	1151.3	1150.0	1165.6	1194.1	1249.1	1332.6	1347.9	1505.5	1578.4
25°	1194.3	1193.6	1193.1	1183.5	1173.1	1188.4	1240.0	1319.3	1333.9	1500.1	1581.2
27.5°	1255.3	1254.8	1254.0	1238.2	1207.1	1197.5	1241.0	1314.4	1326.6	1495.7	1580.7
30°	1335.4	1339.0	1338.0	1316.0	1267.5	1225.2	1251.9	1311.8	1322.4	1487.1	1575.3
32.5°	1429.5	1436.8	1442.5	1418.9	1358.2	1280.2	1277.1	1314.7	1322.4	1480.6	1565.4
35°	1527.3	1536.6	1557.6	1549.3	1469.5	1362.9	1320.4	1331.8	1338.3	1484.2	1560.7
37.5°	1623.5	1634.6	1680.3	1704.4	1615.2	1472.3	1387.8	1374.0	1377.4	1506.3	1565.9
40°	1735.3	1752.1	1821.3	1860.2	1789.2	1618.8	1488.7	1446.7	1447.9	1554.8	1590.0
42.5°	1882.0	1899.4	1974.3	2035.3	1985.2	1804.0	1625.6	1557.6	1556.3	1645.5	1646.8
45°	2060.9	2079.1	2156.6	2224.3	2201.7	2023.3	1800.9	1719.7	1718.1	1788.7	1754.4
47.5°	2263.7	2281.6	2350.8	2420.6	2445.0	2279.5	2024.1	1940.9	1937.3	1987.6	1920.7
50°	2437.7	2449.4	2513.2	2607.0	2717.0	2594.3	2301.8	2221.7	2217.8	2251.8	2164.7
52.5°	2501.0	2507.7	2572.5	2704.0	2978.4	3020.6	2666.7	2563.5	2560.6	2575.4	2489.6
55°	2372.9	2385.1	2464.7	2659.7	3119.9	3502.4	3127.2	2986.6	2965.1	2933.2	2829.3
57.5°	2023.9	2043.3	2128.9	2388.2	3053.8	3884.6	3804.0	3465.3	3433.7	3238.7	3105.4
60°	1516.4	1540.3	1611.3	1891.1	2700.9	4020.7	4543.5	3998.7	3927.4	3481.9	3359.3
62.5°	1040.6	1052.5	1100.7	1283.0	1989.1	3797.7	5162.2	4713.1	4582.9	3746.4	3633.9
65°	794.8	798.9	818.6	881.4	1184.5	3084.9	5408.3	5655.7	5498.3	4062.8	3918.8
67.5°	640.5	637.1	664.3	754.1	793.2	1882.0	5121.2	6547.4	6473.8	4485.7	4205.6
69°	564.8	560.1	587.8	692.1	745.0	1244.1	4578.3	6749.9	6754.6	4708.9	4225.3
70°	508.2	511.3	538.8	655.3	728.6	976.5	4059.6	6698.3	6735.1	4792.4	4107.1
72.5°	339.4	347.7	403.0	544.0	700.6	739.0	2451.2	5748.0	5889.5	4604.4	3523.7
75°	191.4	197.6	263.2	410.2	660.2	703.7	1294.7	4234.7	4371.6	3850.4	2717.2
77.5°	93.9	97.2	148.8	264.7	552.1	670.6	734.3	2876.4	3032.8	2513.2	1536.9
80°	39.7	41.5	74.4	163.4	394.7	640.0	545.3	1770.3	1789.7	984.6	409.4
82.5°	15.3	15.8	31.4	101.9	250.7	498.9	456.1	839.4	819.1	185.4	93.3
85°	1.8	2.1	11.4	61.2	139.5	256.7	370.5	361.7	334.8	36.8	48.0
87.5°	0.0	0.0	0.8	18.7	41.5	120.3	192.7	150.1	135.4	11.9	24.9
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: P323175
 CATALOG NUMBER: GAN-SA1D-730-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1548.6	1548.6	1548.6	1548.6	1548.6	1548.6	1548.6	1548.6	1548.6	1548.6	1548.6
2.5°	1544.7	1542.1	1528.1	1507.8	1488.7	1464.8	1442.0	1428.2	1417.3	1410.1	1418.6
5°	1548.8	1537.4	1494.9	1440.4	1387.0	1326.9	1270.8	1223.4	1204.7	1184.0	1193.3
7.5°	1547.5	1526.0	1449.5	1352.5	1254.5	1153.1	1057.2	983.3	944.9	907.3	916.9
10°	1541.0	1504.7	1388.8	1245.2	1098.4	952.7	816.5	713.1	655.3	602.9	610.4
12.5°	1526.8	1476.2	1317.3	1122.3	926.0	733.8	574.4	441.9	370.8	339.4	343.3
15°	1518.2	1448.5	1241.5	997.8	741.9	511.1	351.1	261.1	228.7	218.3	219.6
17.5°	1514.1	1421.8	1163.2	855.4	553.6	325.4	226.9	200.2	193.2	191.4	191.9
20°	1509.9	1394.8	1082.6	714.6	381.4	218.9	186.4	178.7	176.1	173.7	174.3
22.5°	1502.9	1368.9	996.0	572.0	257.2	177.6	168.0	160.5	155.1	152.2	152.7
25°	1494.4	1341.6	907.6	426.0	187.7	158.4	149.4	138.7	132.2	127.1	127.3
27.5°	1480.6	1308.2	816.3	310.1	157.7	141.8	129.7	118.0	107.1	101.1	101.1
30°	1461.4	1270.3	714.9	222.0	141.3	125.5	110.7	96.2	84.5	79.1	78.6
32.5°	1440.2	1230.9	612.5	168.3	128.4	110.2	93.3	78.1	67.7	63.3	63.0
35°	1422.0	1188.4	510.3	141.1	115.4	95.4	77.0	64.0	55.8	52.1	51.9
37.5°	1410.3	1145.9	410.7	126.0	103.7	81.7	64.6	52.9	46.9	44.1	43.8
40°	1408.5	1114.2	319.7	114.6	92.8	69.5	53.9	44.9	39.4	36.3	36.0
42.5°	1432.1	1096.1	245.3	105.0	81.7	58.9	45.9	38.4	32.7	29.6	29.3
45°	1494.1	1101.8	188.8	96.5	70.5	49.8	38.9	31.9	26.7	24.4	23.9
47.5°	1607.2	1141.2	150.1	87.9	59.9	42.3	33.2	26.4	22.0	19.7	19.4
50°	1808.4	1233.8	125.5	78.6	50.0	36.0	27.5	21.5	17.9	15.8	15.6
52.5°	2075.5	1398.7	112.0	69.5	41.5	30.6	22.6	17.1	14.0	12.4	12.2
55°	2370.0	1598.3	103.2	59.6	34.0	25.4	17.9	13.5	10.9	9.6	9.1
57.5°	2657.6	1771.3	94.9	50.0	28.3	20.7	14.3	10.6	8.6	7.3	7.0
60°	2921.8	1930.3	85.3	40.2	23.1	16.3	11.2	8.3	6.7	5.4	5.4
62.5°	3204.7	2053.2	72.1	31.4	18.9	12.4	9.1	7.5	5.4	4.7	4.4
65°	3504.5	2144.4	56.5	24.4	14.8	9.3	7.5	7.8	4.4	3.4	3.1
67.5°	3725.9	2126.3	41.7	19.2	11.4	7.3	7.3	8.3	3.9	2.6	2.3
69°	3677.2	1978.7	35.0	16.6	9.9	6.2	6.7	8.3	3.6	2.3	2.1
70°	3535.9	1815.4	30.9	14.8	8.8	5.7	6.5	8.0	3.4	2.3	2.1
72.5°	2944.6	1367.3	24.1	11.2	7.0	4.7	5.4	7.0	3.4	2.3	1.8
75°	2215.0	875.1	18.4	8.0	5.2	3.6	4.1	5.2	3.4	2.1	1.8
77.5°	1205.2	315.6	13.2	5.4	3.6	2.9	2.9	3.9	3.1	1.6	1.0
80°	309.9	79.3	8.3	3.6	2.9	2.1	1.8	2.6	1.8	0.3	0.0
82.5°	76.5	17.9	4.4	2.6	2.1	0.8	0.8	1.3	0.8	0.0	0.0
85°	42.0	8.8	2.9	1.8	1.0	0.0	0.0	0.3	0.0	0.0	0.0
87.5°	21.5	2.6	0.8	0.5	0.3	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)