

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: P319675

Luminaire Tested: **GAN-SA1B-740-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319675
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 (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-740-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 5985 lumens
Efficiency: N/A
Efficacy: 136.0 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

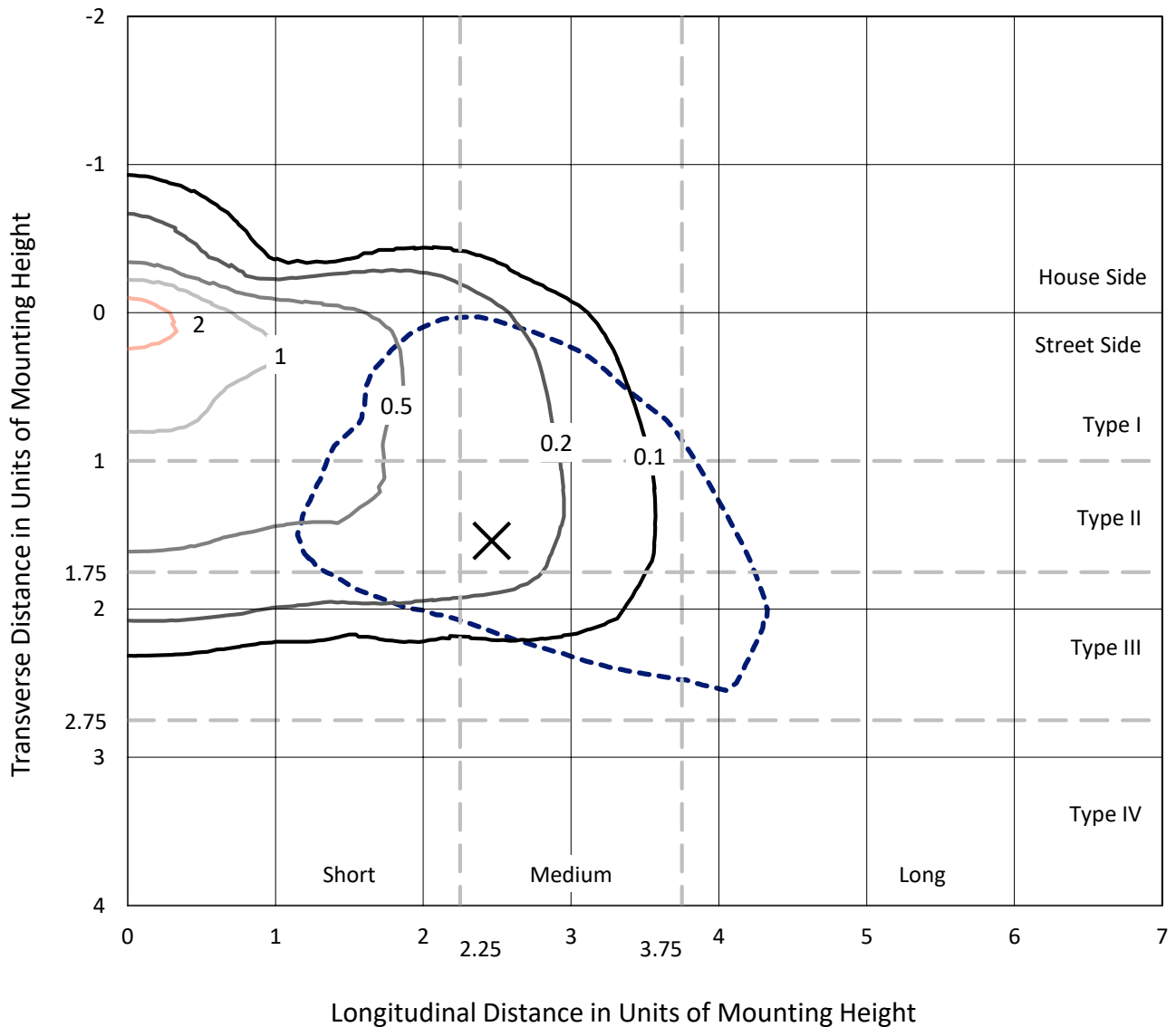
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

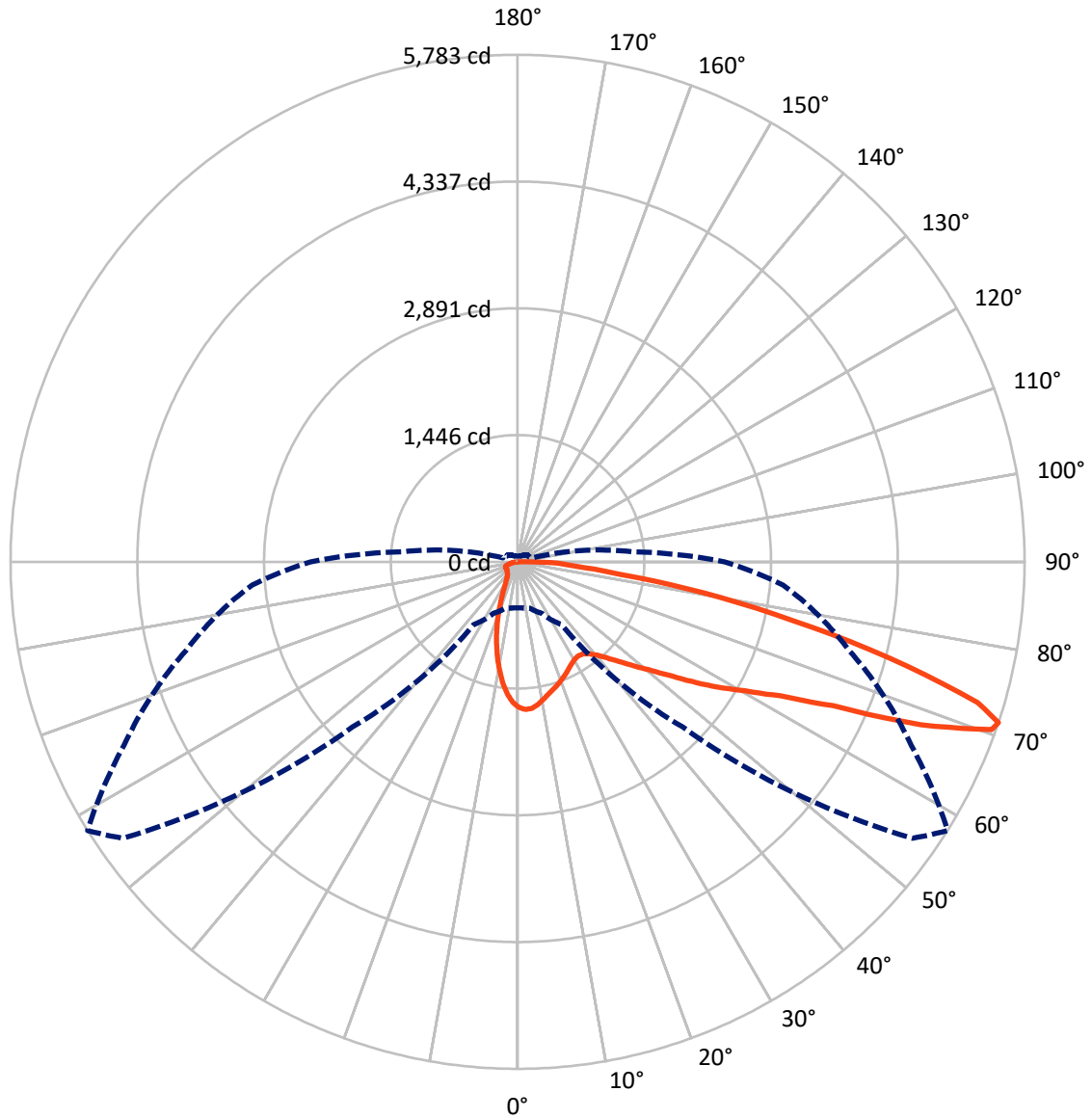
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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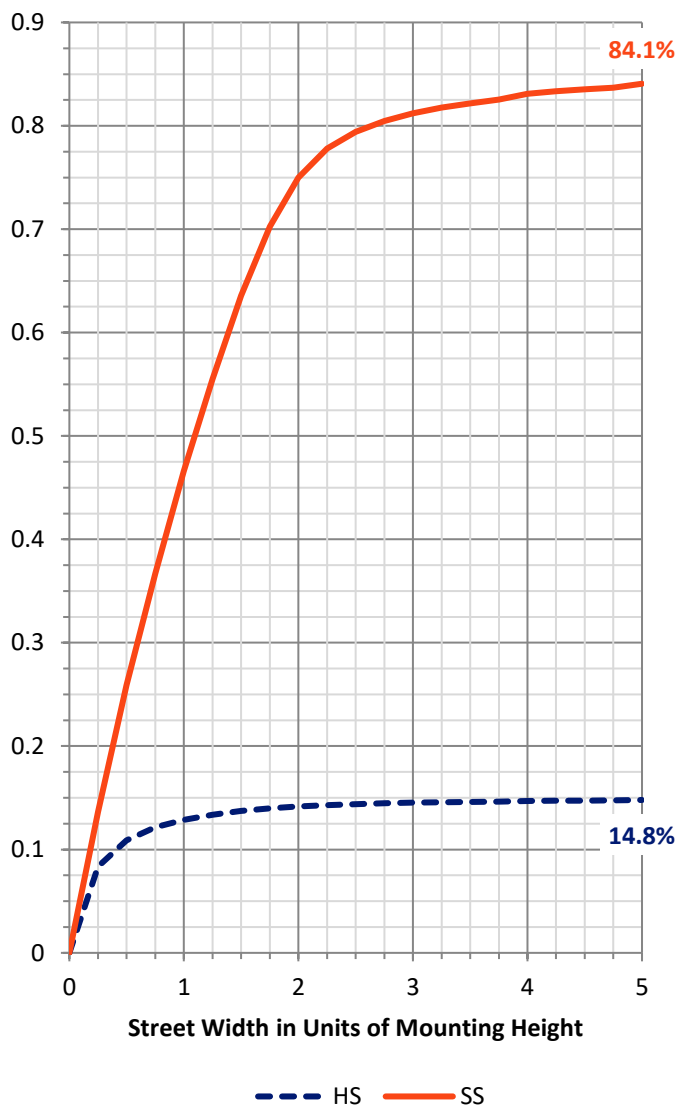
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	894.8	0.0	894.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	5090.2	0.0	5090.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	5985.0	0.0	5985.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.1	2.4
10°-20°	318.1	5.3
20°-30°	404.3	6.8
30°-40°	515.0	8.6
40°-50°	730.3	12.2
50°-60°	1130.1	18.9
60°-70°	1538.5	25.7
70°-80°	1026.3	17.1
80°-90°	179.4	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°	5985.0	100.0
0°-180°	5985.0	100.0

Coefficient of Utilization

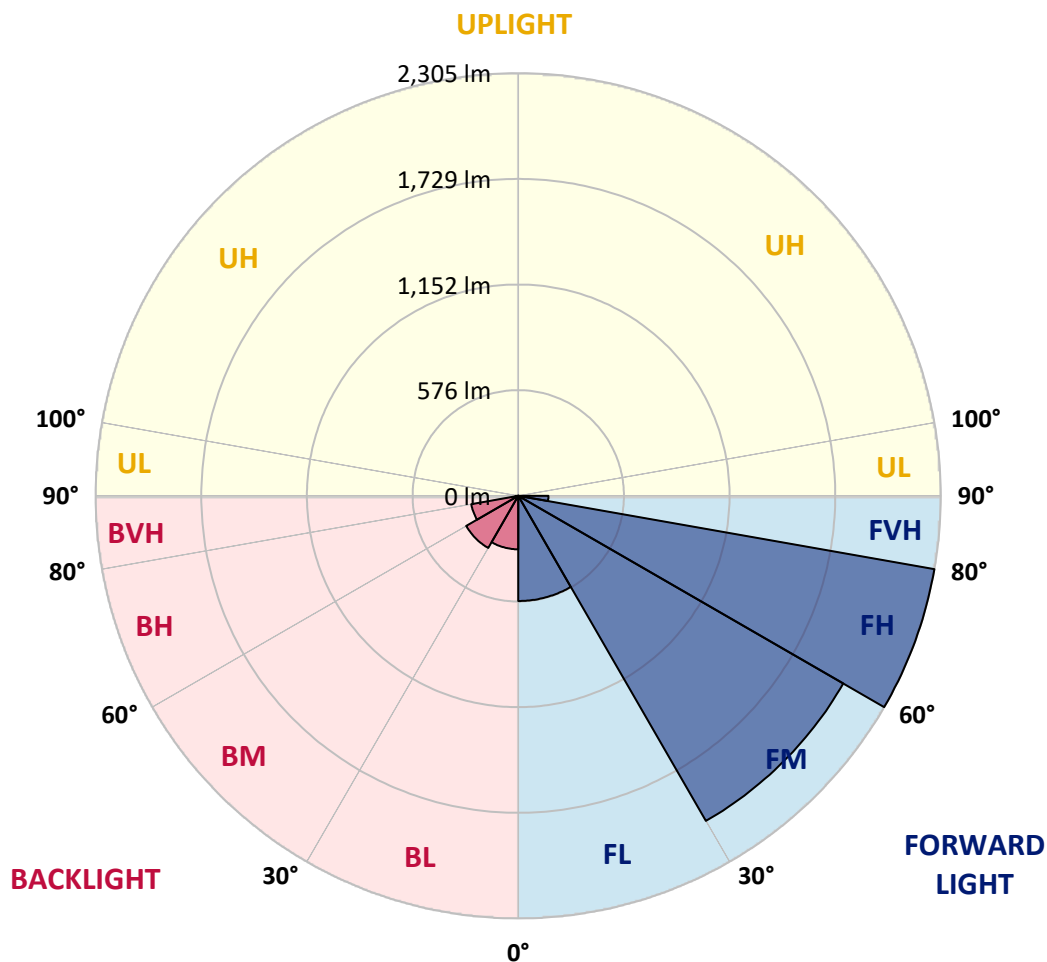


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	573.8	9.6			
FM (30°-60°)	2047.2	34.2			
FH (60°-80°)	2304.8	38.5			G2/5000
FVH (80°-90°)	164.5	2.7			G2/225
BL (0°-30°)	291.7	4.9	B1/500		
BM (30°-60°)	328.2	5.5	B1/1000		
BH (60°-80°)	260.1	4.3	B1/500		G1/500
BVH (80°-90°)	14.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2
2.5°	1702.2	1699.9	1700.8	1699.1	1695.1	1691.2	1685.3	1686.4	1678.3	1666.2	1651.2
5°	1670.1	1669.3	1675.5	1679.1	1682.0	1679.7	1678.1	1680.1	1668.3	1651.6	1625.5
7.5°	1602.8	1593.6	1601.5	1613.4	1624.7	1633.2	1644.5	1645.9	1638.4	1620.9	1586.7
10°	1507.1	1498.3	1510.0	1528.6	1551.1	1571.5	1594.2	1598.4	1599.9	1584.0	1542.5
12.5°	1407.9	1401.2	1412.9	1438.9	1476.2	1507.7	1544.0	1550.3	1563.2	1552.5	1501.7
15°	1319.0	1316.5	1330.7	1356.4	1399.3	1447.5	1499.8	1511.3	1533.2	1529.6	1469.8
17.5°	1242.3	1241.7	1252.5	1279.4	1327.0	1387.8	1455.8	1475.2	1507.7	1511.9	1443.5
20°	1185.2	1184.0	1191.5	1211.3	1260.3	1329.3	1408.3	1435.0	1481.9	1496.5	1416.4
22.5°	1154.6	1154.4	1154.6	1163.9	1204.0	1268.2	1362.0	1394.5	1456.6	1484.2	1386.4
25°	1149.3	1148.7	1144.1	1143.1	1165.8	1217.1	1316.1	1352.0	1432.7	1475.6	1357.8
27.5°	1162.9	1163.7	1157.7	1147.9	1152.5	1183.5	1276.3	1314.7	1413.5	1473.9	1338.0
30°	1191.0	1190.6	1185.4	1175.2	1166.2	1171.0	1248.0	1286.3	1400.6	1481.2	1324.5
32.5°	1222.1	1224.4	1223.4	1217.7	1204.4	1185.2	1239.4	1276.9	1396.8	1498.8	1318.6
35°	1259.4	1261.9	1269.4	1273.8	1258.2	1227.3	1257.8	1290.3	1407.7	1531.7	1328.0
37.5°	1294.9	1301.3	1322.4	1340.9	1327.6	1293.2	1306.5	1329.7	1441.2	1583.6	1353.2
40°	1335.7	1341.4	1375.8	1415.2	1413.1	1377.4	1385.1	1400.6	1500.4	1658.0	1398.9
42.5°	1376.0	1387.2	1437.0	1492.9	1509.0	1477.5	1489.8	1497.9	1583.8	1756.6	1478.5
45°	1429.5	1441.6	1510.9	1578.2	1615.7	1598.0	1617.6	1620.7	1688.7	1890.9	1594.2
47.5°	1510.6	1524.4	1605.1	1675.8	1733.1	1735.0	1767.3	1766.0	1819.6	2044.6	1740.0
50°	1637.0	1656.8	1722.9	1789.0	1858.6	1897.4	1940.5	1934.5	1976.6	2208.2	1907.8
52.5°	1802.5	1811.7	1860.7	1909.5	1996.0	2082.9	2144.8	2139.4	2154.6	2376.5	2098.3
55°	1974.1	1981.0	2001.2	2027.9	2144.2	2286.0	2416.9	2408.4	2369.8	2551.2	2286.6
57.5°	2128.4	2142.3	2156.3	2167.4	2293.5	2498.2	2695.2	2695.8	2603.3	2739.6	2481.1
60°	2152.3	2164.6	2257.0	2344.1	2548.9	2781.3	2993.1	2986.9	2844.9	2944.1	2697.9
62.5°	1902.6	1930.3	2084.6	2316.4	2794.9	3299.2	3373.2	3365.5	3133.9	3196.2	2950.4
65°	1363.5	1394.9	1581.1	1929.5	2675.6	3869.8	4059.1	3955.3	3527.9	3506.2	3246.0
67.5°	786.6	794.1	874.8	1154.6	2037.3	3899.6	5105.5	4960.1	4139.8	3857.9	3390.7
70°	581.7	581.4	600.6	710.5	1102.4	3182.6	5603.1	5733.4	4784.0	3973.6	3186.2
71°	526.0	526.6	548.1	646.7	873.1	2663.9	5497.4	5782.6	4953.7	3916.5	3038.2
72.5°	449.9	452.0	481.8	580.0	734.5	1837.1	5042.1	5487.4	5034.2	3775.6	2806.5
75°	341.3	346.1	387.4	488.9	671.3	931.7	3700.5	4381.8	4472.1	3331.5	2085.4
77.5°	243.5	248.9	295.6	411.1	638.2	702.2	2478.2	3196.2	3291.1	2135.0	940.7
80°	153.9	160.3	195.6	327.1	599.6	666.7	1557.3	2148.4	1794.6	683.2	239.3
82.5°	90.3	95.3	121.3	213.7	489.7	642.1	916.3	1190.8	698.4	206.4	108.8
85°	52.3	54.6	75.7	136.1	355.7	606.0	673.2	665.7	303.1	100.9	51.5
87.5°	24.4	27.1	44.8	71.1	197.4	439.3	532.0	459.7	188.5	47.3	24.2
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°	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2
2.5°	1643.9	1640.3	1625.5	1612.4	1598.6	1580.7	1560.9	1558.4	1546.3	1548.6	1544.4
5°	1611.3	1602.4	1566.7	1534.4	1496.3	1462.1	1425.0	1407.9	1383.3	1381.6	1375.3
7.5°	1564.8	1548.2	1492.9	1431.6	1370.3	1312.0	1254.2	1216.3	1177.5	1161.0	1159.6
10°	1512.5	1484.2	1402.9	1312.2	1223.8	1138.5	1055.9	994.9	939.8	913.8	912.7
12.5°	1462.9	1421.0	1309.5	1186.0	1065.1	954.6	841.4	761.2	692.2	669.0	659.2
15°	1420.8	1361.8	1218.6	1060.7	914.0	760.5	631.7	547.3	483.5	461.4	457.2
17.5°	1379.9	1304.0	1125.4	934.2	756.8	588.1	459.1	396.3	362.3	353.4	353.2
20°	1339.3	1244.6	1028.0	804.7	604.8	439.9	353.0	324.8	313.3	312.3	310.6
22.5°	1293.2	1181.7	925.6	674.8	472.0	345.9	300.0	288.7	287.3	291.0	291.0
25°	1250.0	1119.1	821.8	547.7	367.1	288.5	267.9	265.6	269.6	276.2	276.9
27.5°	1209.8	1058.9	720.5	434.7	294.2	254.1	245.6	248.3	255.4	263.1	263.3
30°	1176.7	1002.0	622.1	342.5	248.5	228.5	227.0	232.5	240.2	246.2	247.7
32.5°	1151.0	953.4	527.0	275.4	218.7	209.3	210.6	215.2	219.9	223.3	225.6
35°	1139.1	911.7	439.3	232.2	199.7	194.5	196.2	198.7	200.8	203.3	205.1
37.5°	1141.2	879.4	360.9	205.4	187.0	184.3	184.3	184.3	184.3	185.5	185.8
40°	1160.6	860.8	297.1	188.3	178.5	175.5	173.2	171.2	169.5	170.3	169.9
42.5°	1210.2	859.1	250.4	177.4	171.6	166.8	162.2	159.3	157.2	158.0	158.4
45°	1294.4	880.0	218.9	169.7	165.1	157.8	152.0	148.9	147.4	150.1	150.5
47.5°	1403.5	925.4	199.7	164.1	159.1	149.5	143.2	140.3	140.7	144.7	145.7
50°	1544.0	999.2	190.6	160.5	154.9	142.4	135.9	133.4	134.7	140.3	141.6
52.5°	1698.3	1105.6	191.6	159.5	152.2	137.2	130.3	127.4	129.5	134.7	135.7
55°	1876.3	1233.4	208.9	160.9	148.2	133.8	125.7	120.7	122.4	127.2	128.0
57.5°	2074.2	1379.7	243.7	160.5	143.2	130.7	120.9	113.4	114.7	117.6	118.4
60°	2280.1	1556.5	297.7	161.8	140.9	127.0	114.5	105.1	104.7	107.2	107.6
62.5°	2527.4	1761.0	359.4	162.6	142.4	122.2	105.9	96.7	95.5	96.1	96.5
65°	2782.2	1909.0	336.3	159.3	147.0	118.2	98.4	88.6	86.3	85.9	86.1
67.5°	2790.1	1750.4	235.8	152.6	148.9	116.1	92.8	81.7	78.0	76.5	76.3
70°	2502.2	1422.0	183.7	145.5	141.3	112.8	87.6	76.1	70.5	68.2	68.0
71°	2361.7	1309.0	174.1	142.0	135.7	109.5	85.3	73.6	67.8	65.3	64.8
72.5°	2141.3	1173.5	162.4	136.3	124.9	100.9	80.9	70.0	64.0	61.1	60.5
75°	1536.7	767.4	139.5	121.5	103.4	80.5	70.9	63.0	57.7	54.2	53.8
77.5°	592.1	305.4	105.5	101.1	79.2	63.0	58.4	54.4	50.7	47.1	46.9
80°	183.0	136.6	76.9	76.1	57.3	46.9	45.4	44.4	42.9	39.2	38.4
82.5°	97.8	78.4	53.0	49.2	37.5	31.3	32.9	33.4	33.6	29.6	29.2
85°	46.7	41.5	29.8	27.9	21.9	17.5	20.2	21.9	22.1	18.1	16.9
87.5°	22.3	21.7	14.0	10.6	8.1	5.8	7.1	8.8	9.6	6.9	6.0
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)