

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: P319325

Luminaire Tested: **GAN-SA1C-730-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-730-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6606 lumens
Efficiency: N/A
Efficacy: 112.0 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

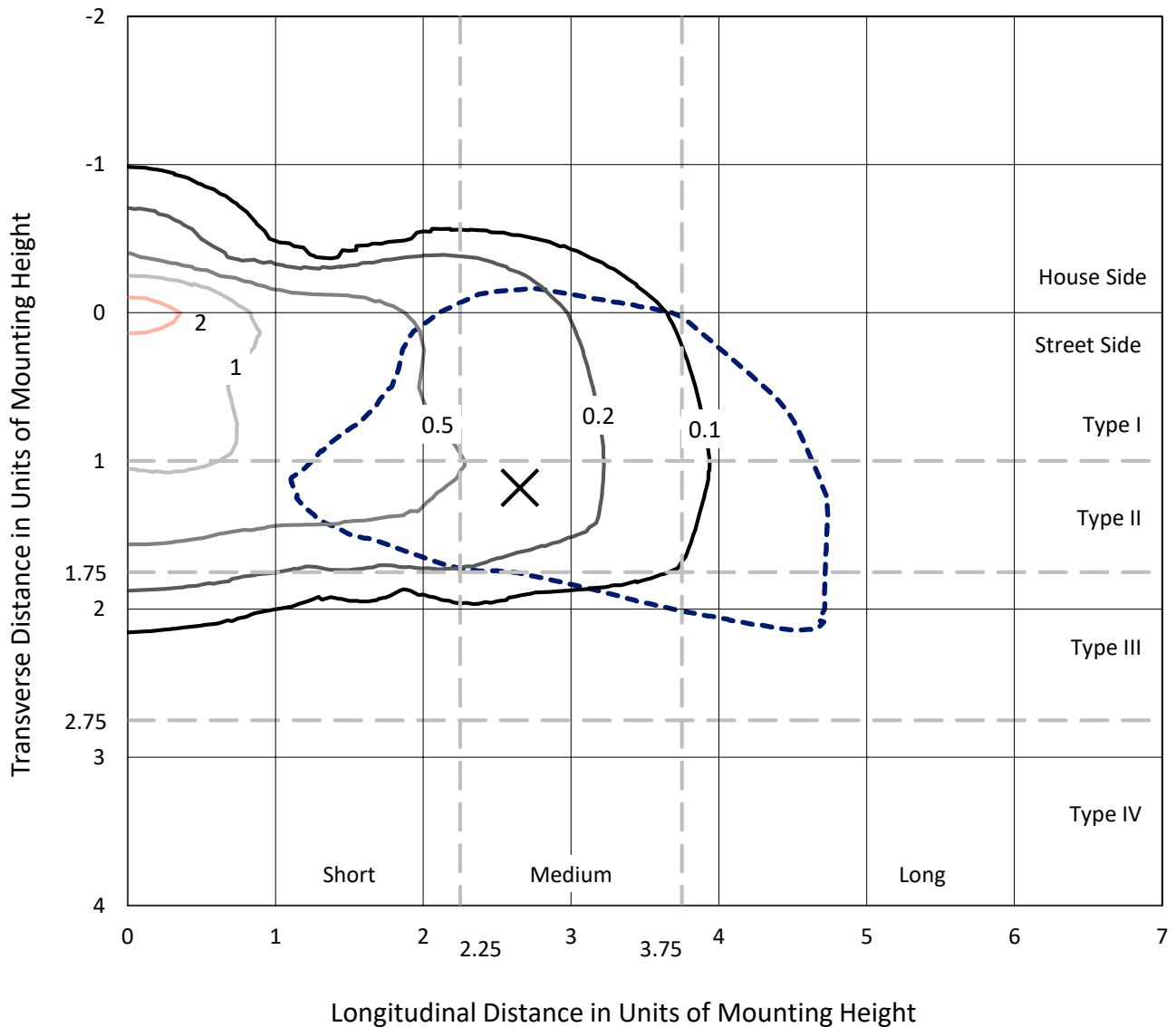
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

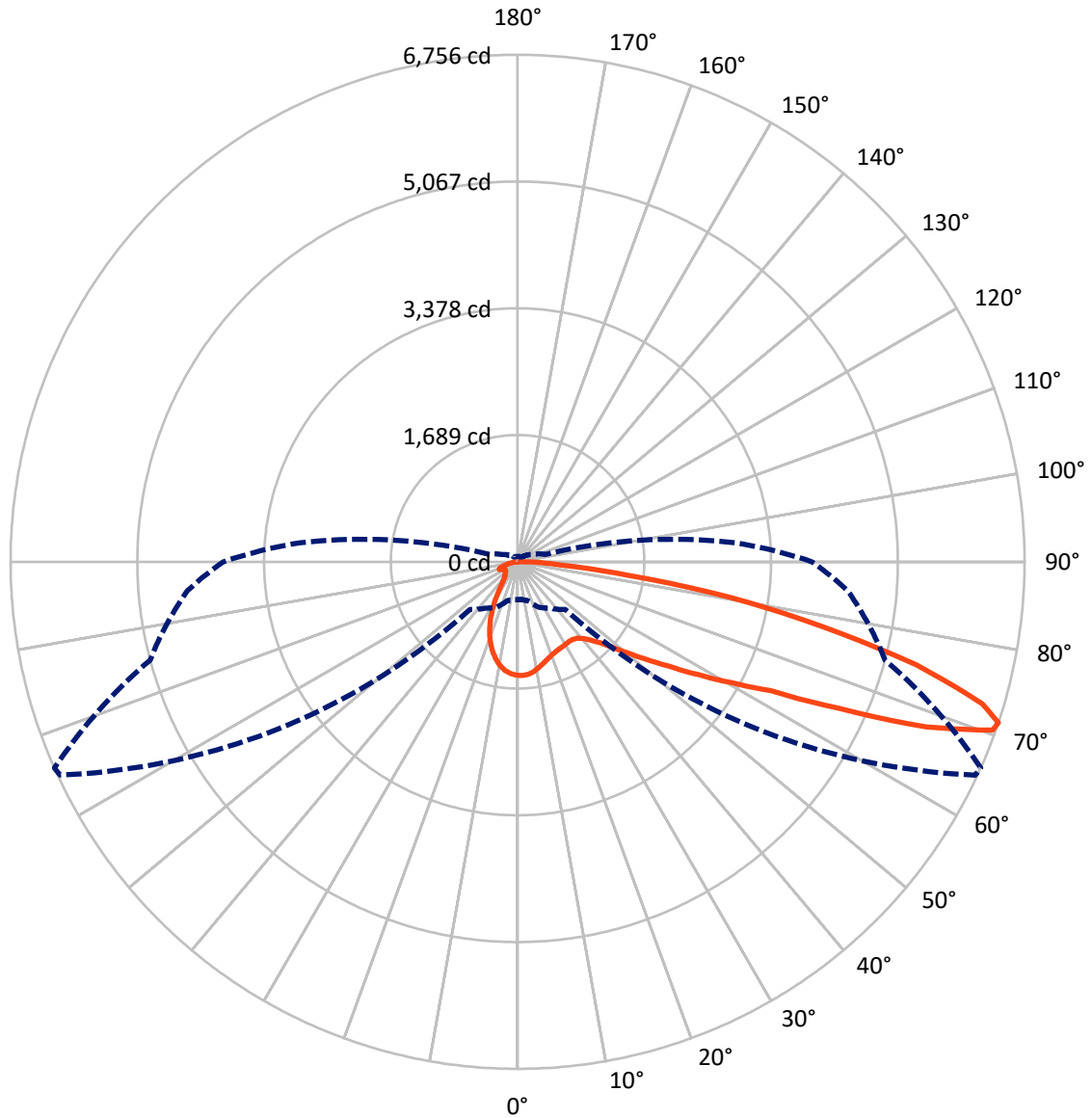
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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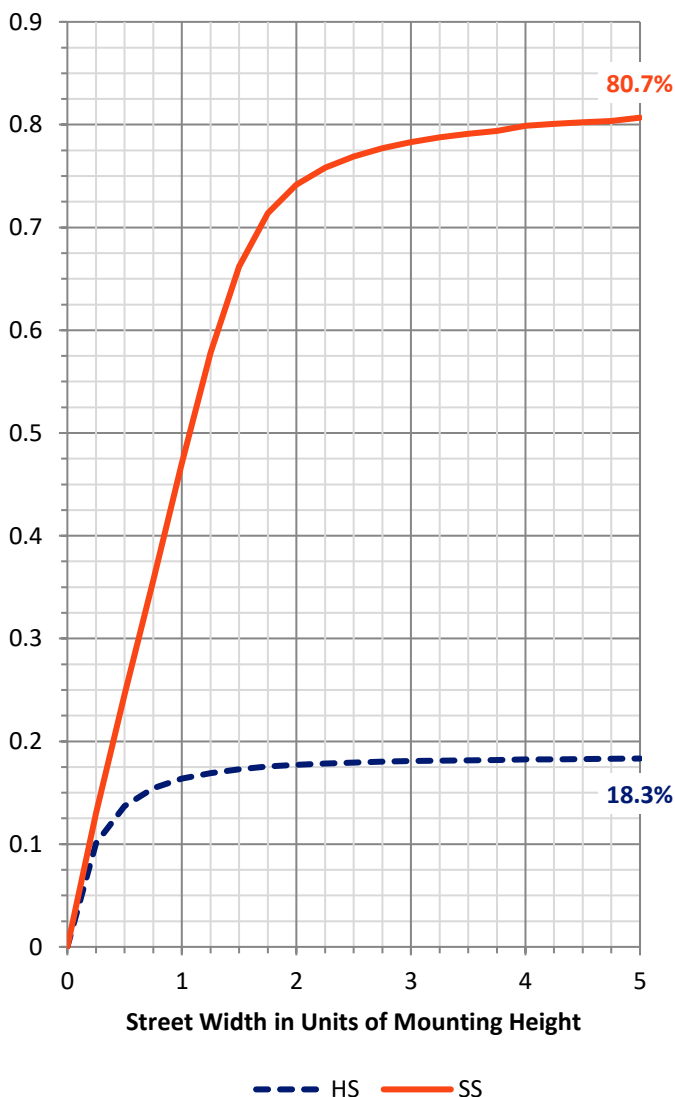
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1224.3	0.0	1224.3
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	5381.7	0.0	5381.7
	% Fixture	81.5	0.0	81.5
Total	Lumens	6606.0	0.0	6606.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.2	2.0
10°-20°	319.5	4.8
20°-30°	429.2	6.5
30°-40°	564.5	8.5
40°-50°	821.3	12.4
50°-60°	1282.9	19.4
60°-70°	1607.0	24.3
70°-80°	1225.8	18.6
80°-90°	222.6	3.4
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°	6606.0	100.0
0°-180°	6606.0	100.0

Coefficient of Utilization

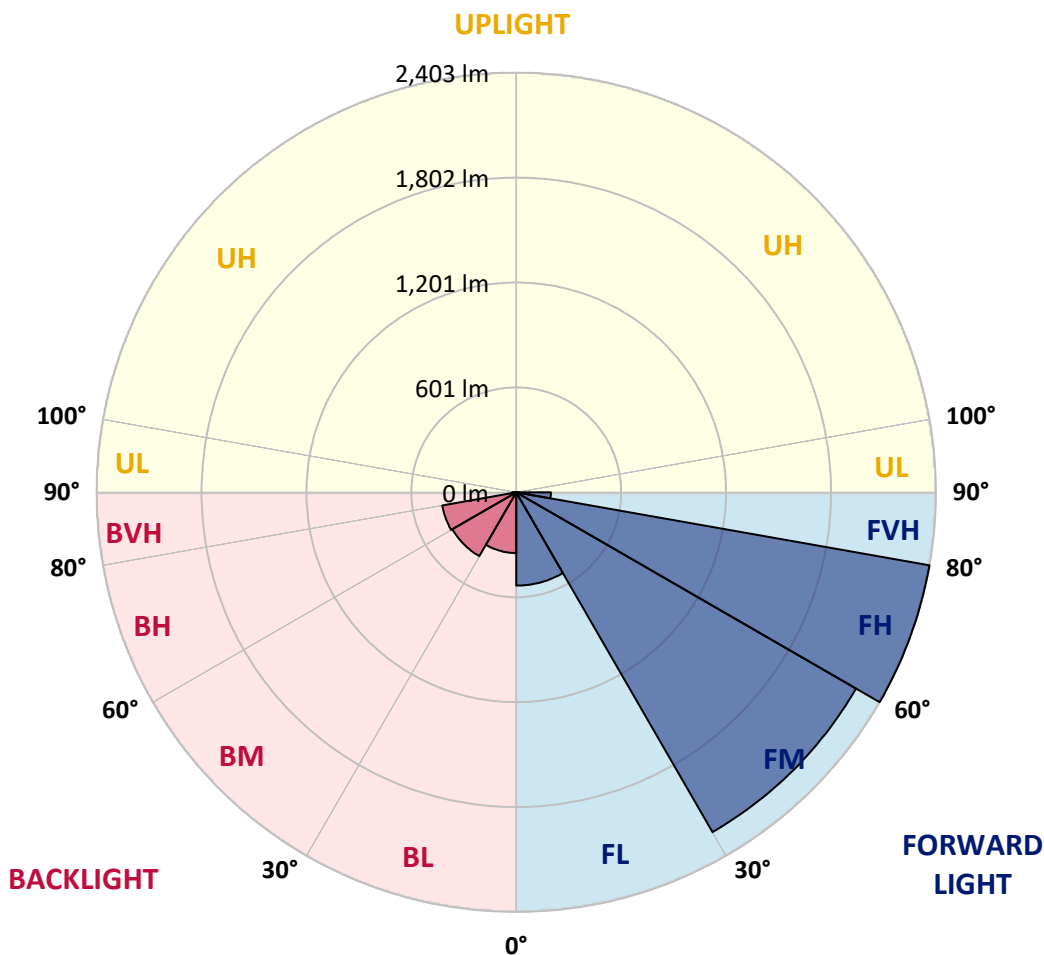


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	534.2	8.1			
FM (30°-60°)	2246.4	34.0			
FH (60°-80°)	2402.7	36.4			G2/5000
FVH (80°-90°)	198.5	3.0			G2/225
BL (0°-30°)	347.7	5.3	B1/500		
BM (30°-60°)	422.3	6.4	B1/1000		
BH (60°-80°)	430.2	6.5	B1/500		G1/500
BVH (80°-90°)	24.1	0.4			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°	65°	66°	75°	85°
0°	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3
2.5°	1485.3	1483.0	1489.8	1496.9	1499.6	1504.2	1511.0	1514.9	1514.7	1515.4	1513.1
5°	1386.7	1383.8	1397.4	1408.6	1430.1	1454.2	1483.7	1504.6	1505.1	1517.0	1520.1
7.5°	1293.4	1291.4	1307.1	1325.1	1350.0	1387.0	1434.6	1479.8	1482.5	1514.7	1525.9
10°	1218.6	1218.2	1233.5	1253.1	1282.0	1323.3	1378.1	1444.2	1448.3	1503.7	1526.8
12.5°	1160.2	1161.2	1174.4	1196.7	1227.3	1270.4	1329.7	1404.3	1410.9	1486.4	1521.5
15°	1117.1	1120.8	1131.5	1154.1	1184.2	1228.0	1288.9	1367.3	1377.4	1467.0	1518.6
17.5°	1092.5	1096.6	1104.1	1122.8	1151.1	1193.3	1251.0	1337.0	1346.1	1452.2	1518.8
20°	1085.2	1088.6	1093.0	1104.4	1128.3	1166.6	1221.1	1309.6	1319.4	1440.3	1521.1
22.5°	1099.6	1102.1	1102.5	1101.6	1116.2	1147.5	1199.5	1289.6	1300.1	1432.6	1522.7
25°	1130.4	1133.8	1131.3	1122.8	1118.0	1137.2	1188.3	1276.3	1286.8	1426.9	1519.5
27.5°	1176.7	1177.1	1175.1	1164.1	1141.5	1138.3	1184.9	1268.6	1278.6	1420.3	1512.9
30°	1239.6	1242.6	1238.9	1224.1	1187.2	1156.6	1189.0	1261.1	1270.2	1411.8	1502.1
32.5°	1313.3	1320.6	1320.4	1304.8	1251.9	1197.4	1205.9	1256.5	1263.6	1402.9	1489.1
35°	1389.7	1399.7	1418.4	1411.8	1346.4	1262.0	1238.2	1263.8	1268.6	1401.8	1480.0
37.5°	1469.1	1479.1	1517.6	1535.4	1458.8	1354.3	1289.3	1289.6	1291.8	1415.7	1479.3
40°	1552.1	1562.8	1620.7	1667.0	1604.5	1471.3	1371.7	1343.4	1340.9	1449.9	1492.8
42.5°	1668.4	1678.0	1747.5	1806.6	1766.2	1621.2	1485.5	1426.4	1421.2	1517.0	1535.9
45°	1815.5	1823.7	1897.6	1960.8	1940.0	1792.2	1628.5	1540.7	1539.8	1628.7	1623.2
47.5°	1990.4	1996.8	2063.2	2124.3	2131.9	1989.1	1808.2	1717.0	1702.2	1782.0	1758.5
50°	2172.7	2179.8	2224.9	2290.6	2346.5	2252.5	2039.5	1933.0	1913.1	1984.3	1950.1
52.5°	2293.3	2302.7	2341.9	2425.2	2587.8	2541.3	2313.0	2194.8	2164.7	2229.5	2203.2
55°	2239.5	2260.5	2320.5	2453.9	2780.7	2982.4	2650.3	2500.2	2466.2	2520.0	2504.5
57.5°	1994.8	2023.5	2105.4	2311.4	2807.9	3371.0	3160.3	2859.9	2835.9	2820.4	2827.5
60°	1547.5	1575.1	1676.6	1945.1	2618.8	3654.7	3927.8	3303.3	3268.6	3122.0	3128.3
62.5°	1095.2	1081.3	1150.9	1347.3	2128.0	3688.0	4801.1	3896.3	3782.2	3440.3	3412.3
65°	835.2	832.0	863.3	925.8	1288.9	3289.6	5321.3	4893.0	4714.9	3814.9	3748.7
67.5°	686.3	680.6	711.4	802.4	830.0	2122.3	5332.7	6049.3	5874.4	4281.1	4137.8
70°	564.3	557.9	586.6	704.1	767.0	1076.3	4488.1	6726.5	6717.2	4871.3	4431.6
71°	505.9	501.3	535.8	666.2	753.6	897.0	3875.1	6728.3	6756.4	5071.1	4414.2
72.5°	411.9	413.5	450.0	593.0	743.5	792.1	2848.0	6414.7	6474.0	5261.6	4256.6
75°	273.7	275.1	323.0	456.2	721.0	775.0	1565.3	5382.7	5491.7	5147.5	3884.2
77.5°	183.8	183.4	216.0	312.9	628.1	775.0	917.8	4025.8	4145.6	4095.8	2994.5
80°	126.6	125.7	148.7	216.0	475.5	784.4	709.6	2821.3	2857.6	2211.9	1217.0
82.5°	77.5	78.2	97.2	152.6	323.6	705.9	669.9	1538.4	1498.9	620.4	304.0
85°	44.5	44.2	62.0	103.3	207.8	595.7	653.2	662.1	607.4	186.8	109.9
87.5°	16.0	17.1	33.3	57.2	119.1	414.9	554.2	344.4	310.4	84.4	49.7
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°	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3
2.5°	1511.5	1512.9	1511.3	1502.1	1494.4	1481.8	1474.8	1465.0	1462.0	1460.6	1464.3
5°	1517.2	1517.6	1504.2	1480.2	1453.3	1421.6	1398.8	1370.8	1357.5	1351.8	1355.5
7.5°	1522.4	1520.4	1491.0	1445.1	1395.4	1340.2	1291.2	1246.2	1220.0	1209.3	1210.2
10°	1523.1	1514.4	1467.2	1396.3	1319.2	1238.2	1163.0	1093.6	1049.8	1021.3	1030.0
12.5°	1516.0	1501.4	1432.3	1333.1	1226.2	1115.8	1014.0	910.0	847.5	818.6	819.5
15°	1510.6	1484.1	1389.5	1258.8	1115.1	968.9	830.0	707.7	641.1	611.5	597.6
17.5°	1506.0	1465.4	1339.7	1175.1	983.9	798.5	631.6	522.5	486.0	477.4	473.7
20°	1499.6	1445.6	1284.3	1078.1	834.5	607.8	461.2	407.3	407.6	417.6	419.0
22.5°	1490.7	1423.0	1225.2	969.3	674.2	442.7	361.5	346.0	361.7	380.9	384.3
25°	1477.5	1396.3	1159.6	849.1	514.1	340.3	308.8	308.1	327.3	347.4	350.3
27.5°	1458.8	1361.4	1086.6	720.0	378.8	289.2	276.7	281.4	295.6	310.2	311.3
30°	1433.7	1320.8	1006.1	583.9	297.0	257.5	256.1	260.5	269.1	279.4	280.3
32.5°	1406.1	1279.5	920.1	452.1	254.3	240.4	241.8	243.8	247.9	252.0	252.9
35°	1381.0	1237.3	832.0	343.5	234.0	229.2	228.3	227.9	228.3	226.9	227.2
37.5°	1364.8	1202.4	740.3	273.5	222.4	219.4	216.7	213.3	209.4	207.1	207.6
40°	1358.9	1176.4	647.5	236.3	212.8	210.7	205.5	198.2	193.6	192.3	192.3
42.5°	1374.9	1163.0	557.9	217.6	204.8	201.4	192.7	184.3	180.9	180.6	180.4
45°	1423.7	1168.5	472.6	207.3	197.5	190.9	179.5	172.4	170.1	170.6	170.4
47.5°	1511.3	1202.9	399.6	200.5	190.2	181.6	168.8	163.1	160.3	160.3	160.6
50°	1660.2	1283.4	341.4	194.8	184.1	172.9	161.0	154.0	150.3	150.1	150.1
52.5°	1877.1	1427.5	305.2	190.0	177.2	165.1	153.3	144.4	140.0	139.1	138.7
55°	2149.0	1634.2	295.1	186.8	168.1	156.7	143.9	135.0	130.2	128.2	128.0
57.5°	2453.0	1885.5	315.0	182.9	158.7	146.7	133.7	125.2	120.2	117.7	117.5
60°	2760.7	2159.9	395.9	177.4	151.0	135.7	123.2	115.4	110.4	107.7	107.2
62.5°	3068.8	2449.1	561.3	177.0	145.5	125.2	112.4	105.8	101.0	98.1	97.4
65°	3416.4	2765.7	749.2	189.1	143.7	115.6	101.5	96.2	92.1	89.4	89.2
67.5°	3815.5	3123.1	731.2	213.9	149.8	107.0	91.2	87.1	84.2	81.9	81.7
70°	4002.8	3067.2	454.6	231.5	158.5	98.5	81.4	78.5	76.2	74.6	73.9
71°	3924.3	2912.3	381.1	229.4	157.6	94.9	77.5	75.3	73.0	71.6	70.9
72.5°	3710.4	2656.0	317.9	213.5	147.3	88.3	72.5	70.2	68.2	66.6	66.1
75°	3329.5	2372.0	254.5	170.6	117.5	74.6	63.6	61.1	59.5	58.6	57.7
77.5°	2447.5	1692.8	196.8	134.8	86.4	60.9	54.3	52.5	50.9	49.5	48.8
80°	937.6	655.7	132.5	100.6	63.4	48.1	43.8	42.9	41.3	40.4	40.4
82.5°	252.5	195.9	70.7	60.9	42.4	35.1	33.5	33.1	31.7	29.9	30.1
85°	102.2	86.4	39.7	33.5	26.0	20.8	22.6	22.8	21.2	18.9	19.2
87.5°	44.9	36.7	22.1	14.8	11.4	8.0	10.3	10.3	9.4	7.8	7.1
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)