

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: P319635

Luminaire Tested: **GAN-SA1B-730-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319635
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-730-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 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: 5450 lumens
Efficiency: N/A
Efficacy: 123.9 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

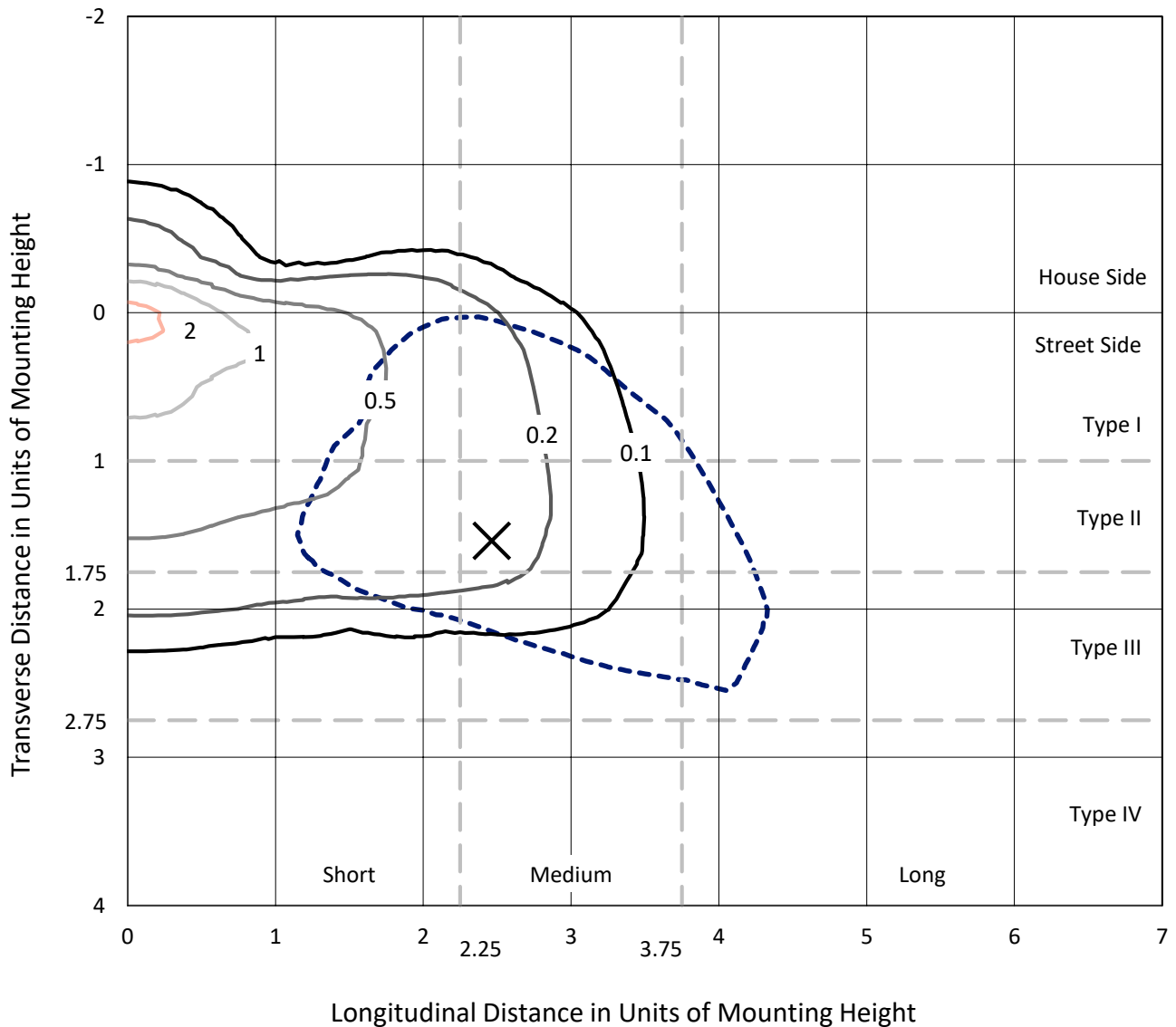
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319635
 CATALOG NUMBER: GAN-SA1B-730-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

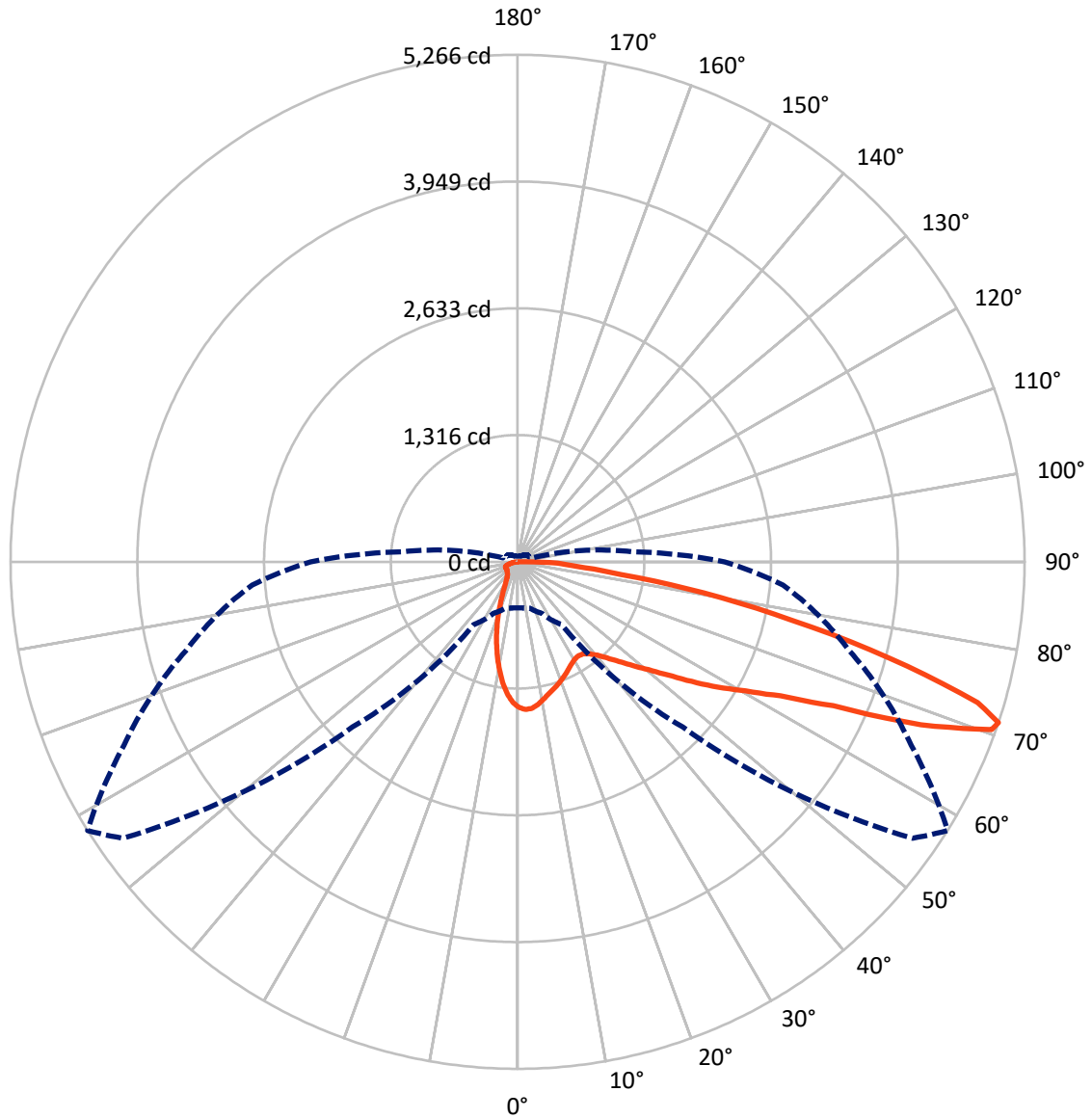
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P319635
CATALOG NUMBER: GAN-SA1B-730-U-SL3

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: GAN-SA1B-730-U-SL3

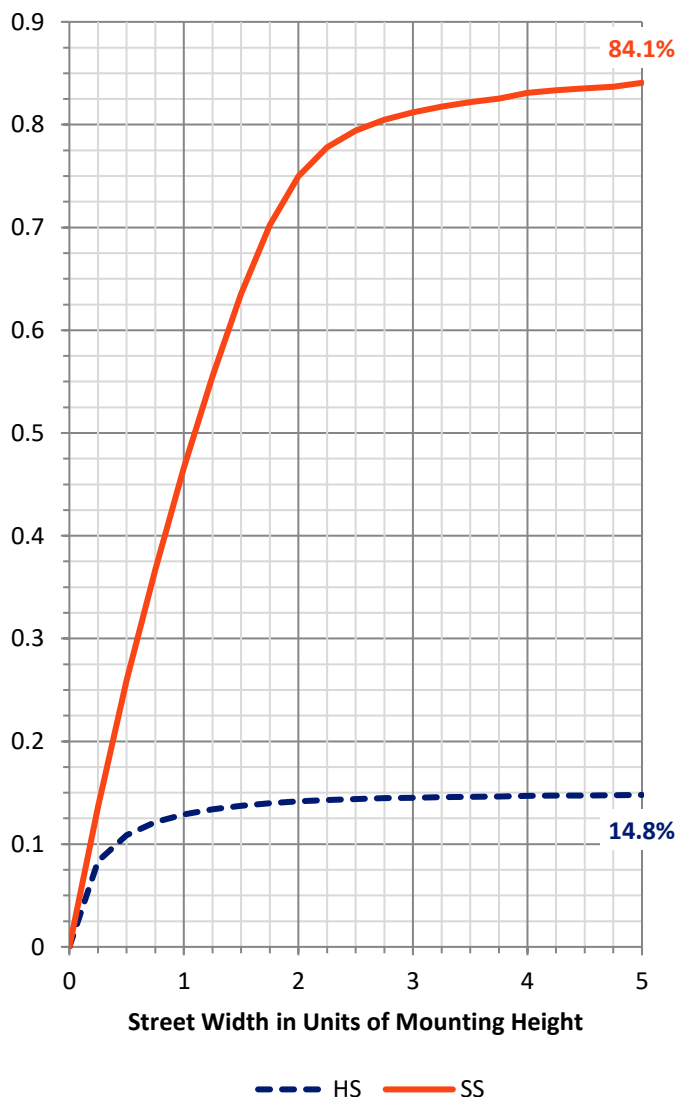
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	814.8	0.0	814.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	4635.2	0.0	4635.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	5450.0	0.0	5450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	2.4
10°-20°	289.7	5.3
20°-30°	368.1	6.8
30°-40°	468.9	8.6
40°-50°	665.0	12.2
50°-60°	1029.1	18.9
60°-70°	1400.9	25.7
70°-80°	934.6	17.1
80°-90°	163.4	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°	5450.0	100.0
0°-180°	5450.0	100.0

Coefficient of Utilization

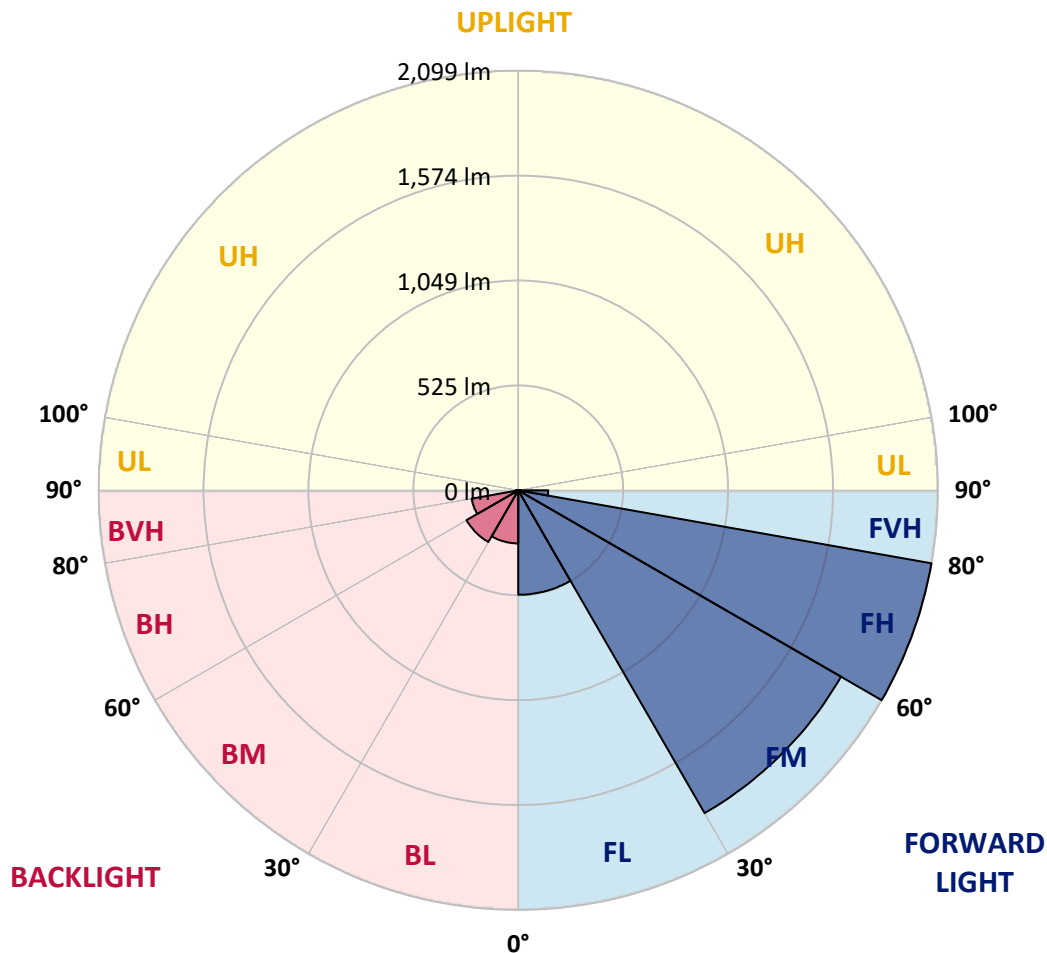


REPORT NUMBER: P319635
 CATALOG NUMBER: GAN-SA1B-730-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	522.5	9.6			
FM (30°-60°)	1864.2	34.2			
FH (60°-80°)	2098.7	38.5			G2/5000
FVH (80°-90°)	149.8	2.7			G2/225
BL (0°-30°)	265.6	4.9	B1/500		
BM (30°-60°)	298.8	5.5	B1/1000		
BH (60°-80°)	236.8	4.3	B1/500		G1/500
BVH (80°-90°)	13.6	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





REPORT NUMBER: P319635

CATALOG NUMBER: GAN-SA1B-730-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1510.0	1510.0	1510.0	1510.0	1510.0	1510.0	1510.0	1510.0	1510.0	1510.0	1510.0
2.5°	1550.1	1548.0	1548.7	1547.2	1543.6	1540.0	1534.7	1535.6	1528.2	1517.2	1503.6
5°	1520.8	1520.1	1525.8	1529.0	1531.7	1529.6	1528.0	1529.9	1519.1	1503.9	1480.2
7.5°	1459.5	1451.2	1458.4	1469.2	1479.4	1487.2	1497.5	1498.8	1492.0	1476.0	1444.9
10°	1372.4	1364.4	1375.0	1391.9	1412.4	1431.0	1451.7	1455.5	1456.9	1442.4	1404.7
12.5°	1282.0	1275.9	1286.6	1310.3	1344.3	1372.9	1406.0	1411.7	1423.4	1413.8	1367.4
15°	1201.1	1198.9	1211.8	1235.1	1274.2	1318.1	1365.7	1376.2	1396.1	1392.9	1338.4
17.5°	1131.3	1130.7	1140.6	1165.1	1208.4	1263.8	1325.7	1343.3	1372.9	1376.7	1314.5
20°	1079.3	1078.1	1085.0	1103.0	1147.6	1210.4	1282.4	1306.7	1349.4	1362.7	1289.8
22.5°	1051.4	1051.2	1051.4	1059.9	1096.3	1154.8	1240.2	1269.9	1326.4	1351.5	1262.5
25°	1046.6	1046.0	1041.9	1040.9	1061.6	1108.3	1198.5	1231.1	1304.6	1343.7	1236.5
27.5°	1058.9	1059.7	1054.2	1045.3	1049.5	1077.7	1162.2	1197.2	1287.1	1342.2	1218.4
30°	1084.6	1084.2	1079.4	1070.1	1062.0	1066.4	1136.4	1171.3	1275.4	1348.8	1206.1
32.5°	1112.9	1115.0	1114.0	1108.9	1096.7	1079.3	1128.6	1162.8	1272.0	1364.8	1200.8
35°	1146.8	1149.1	1156.0	1159.9	1145.7	1117.6	1145.3	1174.9	1281.8	1394.8	1209.3
37.5°	1179.1	1185.0	1204.2	1221.1	1208.9	1177.6	1189.7	1210.8	1312.4	1442.1	1232.3
40°	1216.3	1221.5	1252.8	1288.7	1286.8	1254.3	1261.3	1275.4	1366.3	1509.8	1273.8
42.5°	1253.0	1263.2	1308.6	1359.5	1374.1	1345.4	1356.6	1364.0	1442.2	1599.6	1346.4
45°	1301.8	1312.8	1375.8	1437.1	1471.3	1455.1	1473.0	1475.8	1537.7	1721.9	1451.7
47.5°	1375.6	1388.1	1461.6	1526.0	1578.2	1579.9	1609.3	1608.2	1657.0	1861.8	1584.4
50°	1490.7	1508.7	1568.9	1629.0	1692.5	1727.8	1767.1	1761.6	1799.9	2010.8	1737.3
52.5°	1641.4	1649.7	1694.4	1738.8	1817.6	1896.7	1953.1	1948.2	1962.0	2164.0	1910.8
55°	1797.6	1803.9	1822.3	1846.6	1952.5	2081.6	2200.9	2193.1	2157.9	2323.1	2082.2
57.5°	1938.1	1950.8	1963.6	1973.6	2088.5	2274.9	2454.3	2454.9	2370.6	2494.7	2259.3
60°	1959.9	1971.1	2055.2	2134.6	2321.0	2532.7	2725.6	2719.9	2590.6	2681.0	2456.8
62.5°	1732.5	1757.8	1898.2	2109.3	2545.0	3004.3	3071.7	3064.6	2853.7	2910.5	2686.7
65°	1241.6	1270.2	1439.8	1757.0	2436.5	3523.9	3696.3	3601.7	3212.5	3192.8	2955.9
67.5°	716.3	723.1	796.6	1051.4	1855.1	3551.0	4649.1	4516.8	3769.7	3513.1	3087.6
70°	529.7	529.5	546.9	647.0	1003.9	2898.1	5102.2	5220.9	4356.3	3618.4	2901.4
71°	479.0	479.5	499.1	588.9	795.1	2425.8	5006.0	5265.7	4510.9	3566.4	2766.6
72.5°	409.7	411.6	438.7	528.1	668.8	1672.9	4591.4	4996.9	4584.1	3438.1	2555.7
75°	310.8	315.1	352.7	445.2	611.3	848.4	3369.7	3990.1	4072.3	3033.7	1899.0
77.5°	221.7	226.7	269.2	374.4	581.1	639.4	2256.7	2910.5	2996.9	1944.2	856.6
80°	140.1	146.0	178.1	297.9	546.0	607.1	1418.1	1956.3	1634.2	622.1	217.9
82.5°	82.2	86.8	110.5	194.6	445.9	584.7	834.4	1084.4	636.0	187.9	99.1
85°	47.7	49.7	68.9	124.0	323.9	551.9	613.0	606.2	276.0	91.9	46.9
87.5°	22.2	24.7	40.8	64.7	179.8	400.0	484.5	418.6	171.6	43.1	22.0
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: P319635
 CATALOG NUMBER: GAN-SA1B-730-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1510.0	1510.0	1510.0	1510.0	1510.0	1510.0	1510.0	1510.0	1510.0	1510.0	1510.0
2.5°	1496.9	1493.7	1480.2	1468.2	1455.7	1439.4	1421.4	1419.1	1408.1	1410.2	1406.4
5°	1467.3	1459.1	1426.7	1397.2	1362.5	1331.4	1297.6	1282.0	1259.6	1258.1	1252.4
7.5°	1425.0	1409.8	1359.5	1303.7	1247.8	1194.7	1142.1	1107.5	1072.2	1057.2	1055.9
10°	1377.3	1351.5	1277.5	1194.9	1114.4	1036.7	961.6	905.9	855.8	832.1	831.1
12.5°	1332.1	1294.0	1192.4	1080.0	969.9	869.3	766.2	693.1	630.3	609.2	600.3
15°	1293.8	1240.1	1109.6	965.9	832.3	692.5	575.2	498.3	440.2	420.1	416.3
17.5°	1256.6	1187.5	1024.8	850.7	689.1	535.5	418.0	360.9	329.9	321.8	321.6
20°	1219.6	1133.4	936.1	732.8	550.7	400.6	321.4	295.8	285.3	284.4	282.9
22.5°	1177.6	1076.0	842.9	614.5	429.8	315.0	273.2	262.9	261.6	265.0	265.0
25°	1138.3	1019.1	748.4	498.7	334.3	262.7	243.9	241.9	245.5	251.5	252.1
27.5°	1101.7	964.2	656.1	395.8	267.9	231.4	223.6	226.1	232.6	239.6	239.8
30°	1071.5	912.4	566.5	311.9	226.3	208.1	206.7	211.7	218.7	224.2	225.5
32.5°	1048.1	868.2	479.9	250.8	199.1	190.6	191.7	195.9	200.3	203.3	205.4
35°	1037.3	830.2	400.0	211.5	181.9	177.1	178.6	180.9	182.8	185.1	186.8
37.5°	1039.2	800.8	328.6	187.0	170.3	167.8	167.8	167.8	167.8	169.0	169.2
40°	1056.9	783.9	270.5	171.4	162.5	159.8	157.8	155.9	154.3	155.1	154.7
42.5°	1102.0	782.3	228.0	161.6	156.2	151.9	147.7	145.0	143.1	143.9	144.3
45°	1178.7	801.3	199.3	154.5	150.4	143.7	138.4	135.5	134.2	136.7	137.1
47.5°	1278.0	842.7	181.9	149.4	144.9	136.1	130.4	127.8	128.1	131.8	132.7
50°	1406.0	909.9	173.5	146.2	141.1	129.7	123.8	121.5	122.6	127.8	128.9
52.5°	1546.5	1006.7	174.5	145.2	138.6	124.9	118.7	116.0	117.9	122.6	123.6
55°	1708.6	1123.1	190.2	146.6	135.0	121.9	114.5	109.9	111.4	115.8	116.6
57.5°	1888.8	1256.4	221.9	146.2	130.4	119.0	110.1	103.3	104.4	107.1	107.8
60°	2076.3	1417.4	271.1	147.3	128.3	115.6	104.2	95.7	95.3	97.6	98.0
62.5°	2301.5	1603.6	327.3	148.1	129.7	111.2	96.4	88.1	86.9	87.5	87.9
65°	2533.5	1738.4	306.2	145.0	133.8	107.6	89.6	80.7	78.6	78.2	78.4
67.5°	2540.7	1593.9	214.7	139.0	135.5	105.7	84.5	74.4	71.0	69.7	69.5
70°	2278.5	1294.9	167.3	132.5	128.7	102.7	79.7	69.3	64.2	62.1	61.9
71°	2150.5	1192.0	158.5	129.3	123.6	99.7	77.6	67.0	61.7	59.4	59.0
72.5°	1949.9	1068.6	147.9	124.2	113.7	91.9	73.7	63.8	58.3	55.6	55.1
75°	1399.3	698.8	127.0	110.7	94.2	73.3	64.5	57.3	52.6	49.4	49.0
77.5°	539.2	278.1	96.1	92.1	72.1	57.3	53.2	49.5	46.1	42.9	42.7
80°	166.7	124.3	70.1	69.3	52.2	42.7	41.4	40.4	39.1	35.7	34.9
82.5°	89.0	71.4	48.2	44.8	34.2	28.5	30.0	30.4	30.6	27.0	26.6
85°	42.5	37.8	27.1	25.4	19.9	15.9	18.4	19.9	20.1	16.5	15.4
87.5°	20.3	19.7	12.7	9.7	7.4	5.3	6.5	8.0	8.7	6.3	5.5
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)