

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: P319355

Luminaire Tested: **GAN-SA1B-740-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319355
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-SA1B-740-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 5862 lumens
Efficiency: N/A
Efficacy: 133.2 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

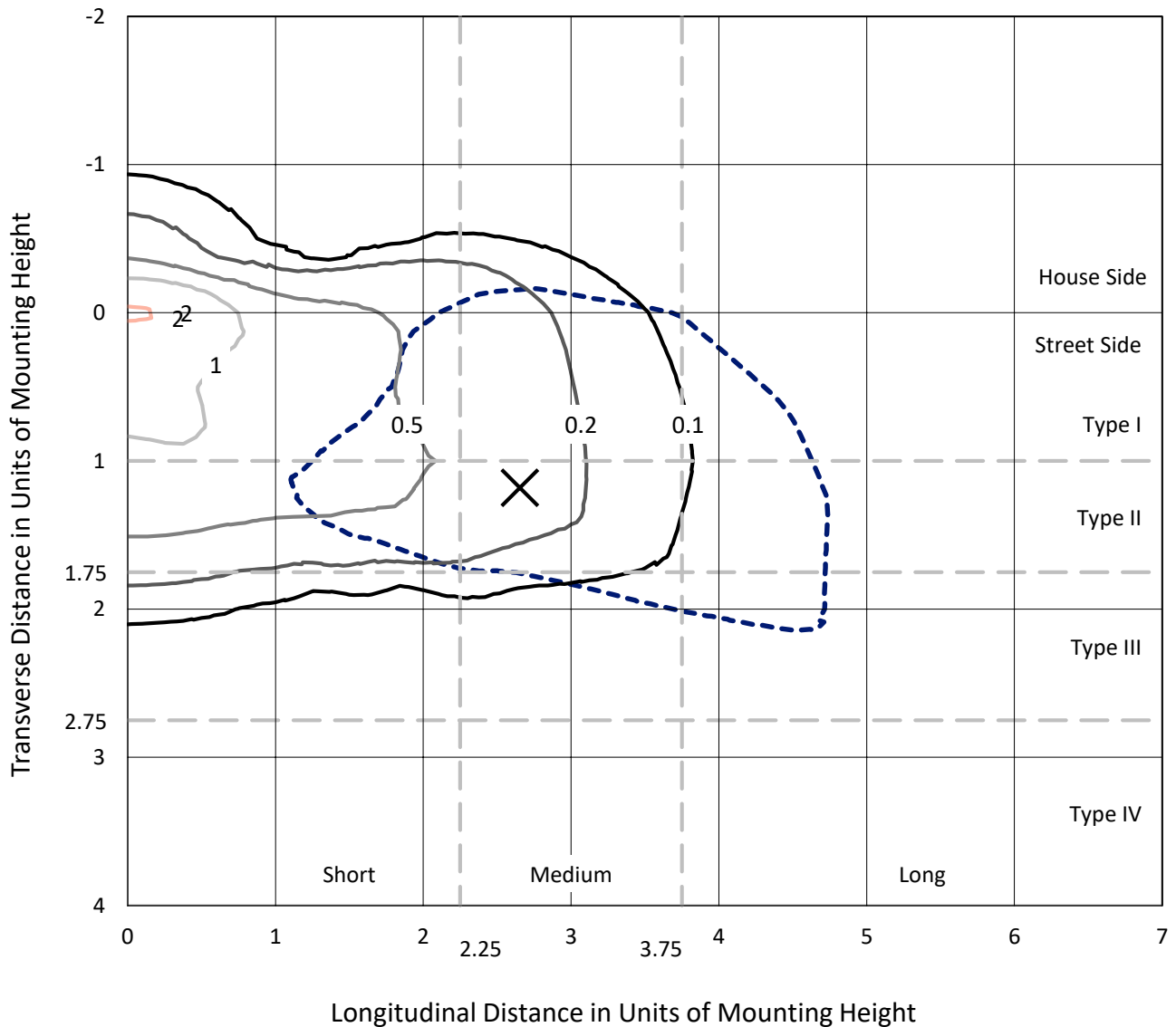
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

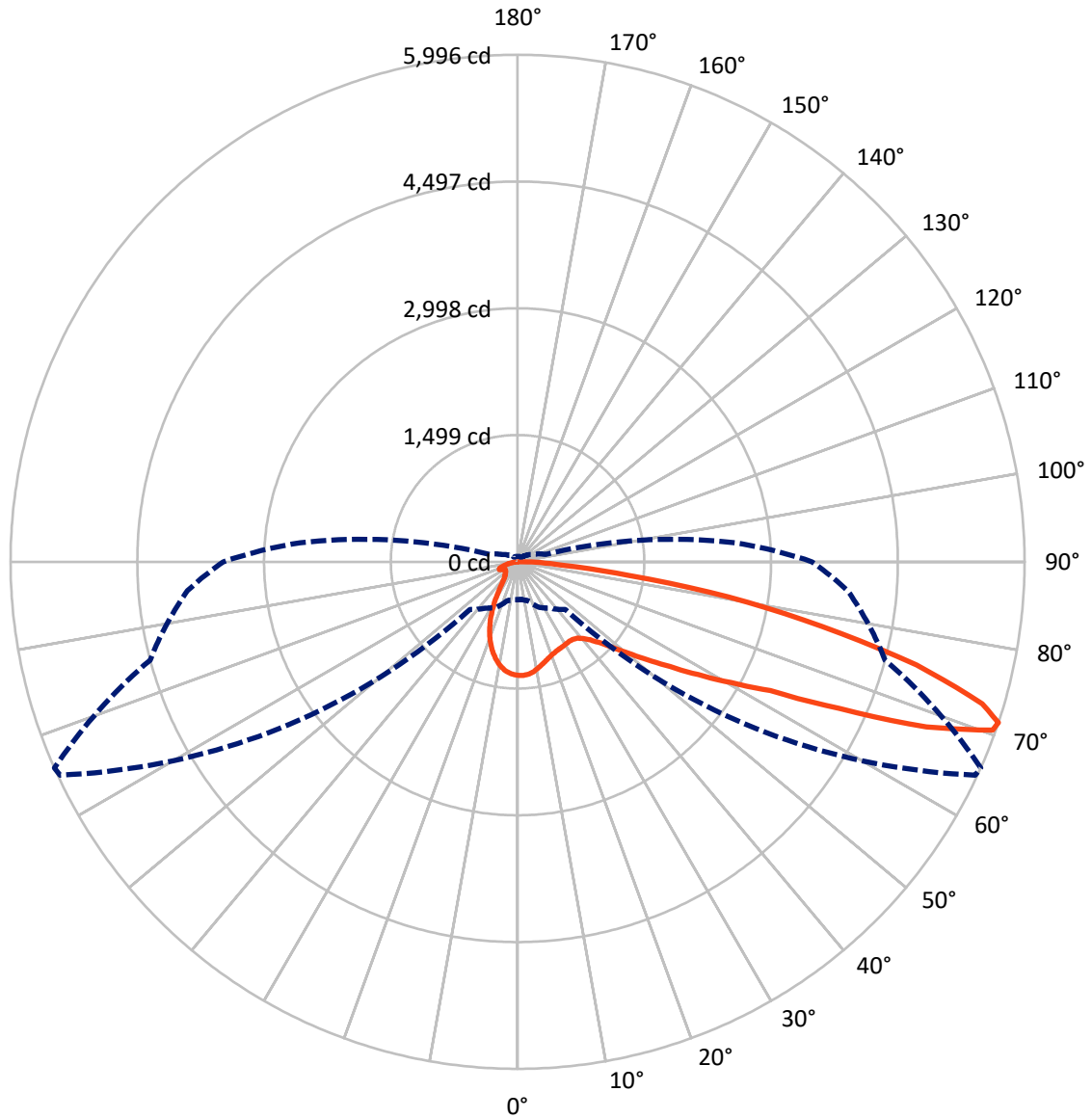
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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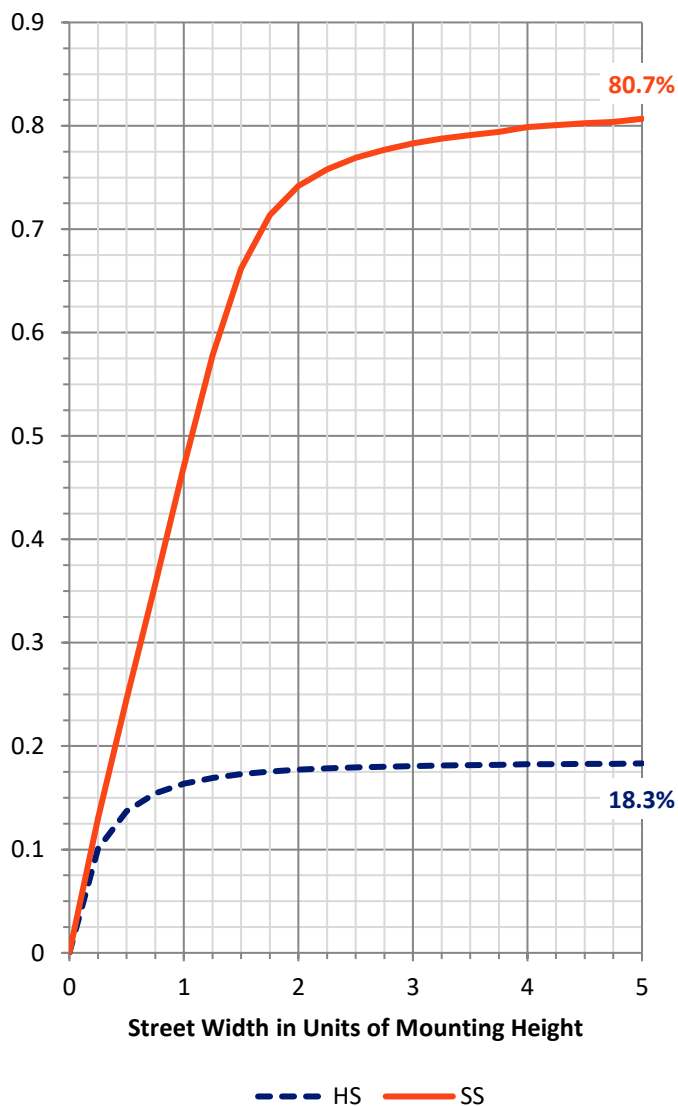
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1086.4	0.0	1086.4
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	4775.6	0.0	4775.6
	% Fixture	81.5	0.0	81.5
Total	Lumens	5862.0	0.0	5862.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	2.0
10°-20°	283.5	4.8
20°-30°	380.8	6.5
30°-40°	501.0	8.5
40°-50°	728.8	12.4
50°-60°	1138.4	19.4
60°-70°	1426.1	24.3
70°-80°	1087.8	18.6
80°-90°	197.5	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°	5862.0	100.0
0°-180°	5862.0	100.0

Coefficient of Utilization

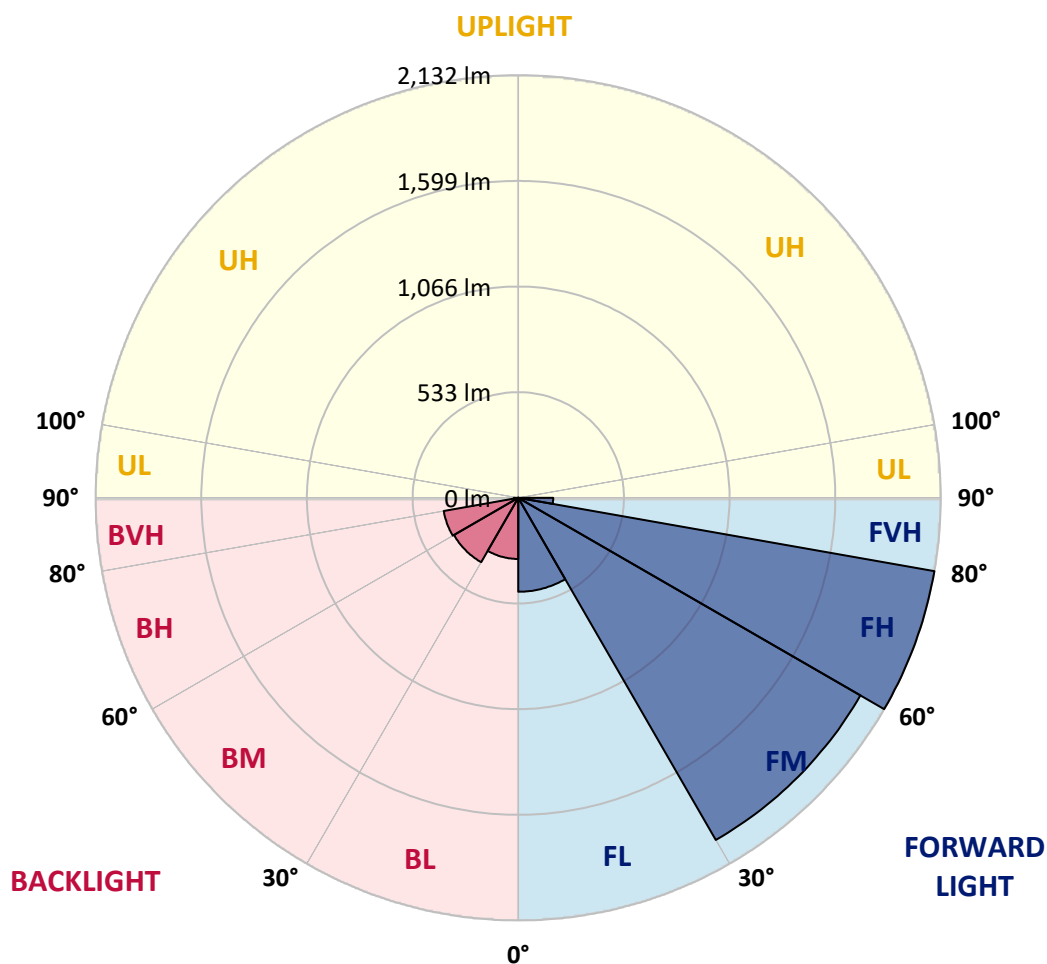


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.0	8.1			
FM (30°-60°)	1993.4	34.0			
FH (60°-80°)	2132.1	36.4			G2/5000
FVH (80°-90°)	176.1	3.0			G2/225
BL (0°-30°)	308.5	5.3	B1/500		
BM (30°-60°)	374.8	6.4	B1/1000		
BH (60°-80°)	381.7	6.5	B1/500		G1/500
BVH (80°-90°)	21.4	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°	1342.9	1342.9	1342.9	1342.9	1342.9	1342.9	1342.9	1342.9	1342.9	1342.9	1342.9
2.5°	1318.0	1316.0	1322.0	1328.3	1330.7	1334.8	1340.8	1344.3	1344.1	1344.7	1342.7
5°	1230.5	1227.9	1240.1	1250.0	1269.0	1290.5	1316.6	1335.2	1335.6	1346.1	1348.9
7.5°	1147.8	1145.9	1159.9	1175.9	1198.0	1230.7	1273.0	1313.1	1315.5	1344.1	1354.0
10°	1081.4	1081.0	1094.5	1111.9	1137.6	1174.3	1222.9	1281.5	1285.2	1334.4	1354.8
12.5°	1029.6	1030.4	1042.1	1062.0	1089.1	1127.3	1179.9	1246.1	1252.0	1319.0	1350.2
15°	991.3	994.6	1004.1	1024.1	1050.8	1089.7	1143.7	1213.3	1222.2	1301.8	1347.5
17.5°	969.5	973.1	979.8	996.4	1021.5	1058.9	1110.1	1186.4	1194.5	1288.6	1347.7
20°	963.0	966.0	969.9	980.0	1001.2	1035.2	1083.6	1162.1	1170.8	1278.1	1349.8
22.5°	975.7	978.0	978.4	977.6	990.5	1018.2	1064.4	1144.3	1153.6	1271.2	1351.2
25°	1003.1	1006.1	1003.9	996.4	992.1	1009.1	1054.5	1132.6	1141.9	1266.2	1348.3
27.5°	1044.1	1044.5	1042.7	1033.0	1013.0	1010.1	1051.4	1125.7	1134.6	1260.3	1342.5
30°	1100.0	1102.6	1099.4	1086.2	1053.5	1026.3	1055.1	1119.0	1127.1	1252.8	1333.0
32.5°	1165.4	1171.8	1171.6	1157.9	1110.9	1062.6	1070.0	1115.0	1121.3	1244.9	1321.4
35°	1233.2	1242.1	1258.7	1252.8	1194.7	1119.8	1098.8	1121.5	1125.7	1243.9	1313.3
37.5°	1303.6	1312.5	1346.7	1362.5	1294.5	1201.8	1144.1	1144.3	1146.3	1256.2	1312.7
40°	1377.3	1386.8	1438.2	1479.3	1423.8	1305.6	1217.2	1192.1	1189.9	1286.6	1324.7
42.5°	1480.5	1489.0	1550.7	1603.1	1567.3	1438.6	1318.2	1265.8	1261.1	1346.1	1362.9
45°	1611.0	1618.3	1683.9	1740.0	1721.5	1590.4	1445.1	1367.2	1366.3	1445.3	1440.4
47.5°	1766.3	1771.9	1830.8	1885.1	1891.8	1765.1	1604.6	1523.6	1510.5	1581.3	1560.4
50°	1928.0	1934.3	1974.3	2032.6	2082.2	1998.8	1809.8	1715.3	1697.7	1760.8	1730.5
52.5°	2035.1	2043.3	2078.2	2152.0	2296.3	2255.1	2052.5	1947.6	1920.9	1978.4	1955.1
55°	1987.3	2005.9	2059.1	2177.5	2467.6	2646.5	2351.8	2218.6	2188.5	2236.2	2222.5
57.5°	1770.1	1795.6	1868.3	2051.0	2491.6	2991.4	2804.3	2537.8	2516.5	2502.8	2509.1
60°	1373.2	1397.7	1487.8	1726.0	2323.9	3243.1	3485.4	2931.2	2900.5	2770.3	2776.0
62.5°	971.9	959.5	1021.3	1195.5	1888.3	3272.7	4260.4	3457.5	3356.3	3052.9	3028.0
65°	741.2	738.3	766.1	821.5	1143.7	2919.1	4722.0	4341.9	4183.8	3385.2	3326.5
67.5°	609.0	603.9	631.3	712.0	736.5	1883.3	4732.1	5368.0	5212.8	3798.9	3671.8
70°	500.7	495.1	520.6	624.8	680.6	955.1	3982.7	5968.9	5960.6	4322.7	3932.5
71°	448.9	444.9	475.4	591.2	668.7	796.0	3438.6	5970.6	5995.5	4500.0	3917.1
72.5°	365.5	366.9	399.3	526.2	659.8	702.9	2527.3	5692.3	5744.9	4669.0	3777.2
75°	242.9	244.1	286.6	404.8	639.8	687.7	1389.0	4776.5	4873.2	4567.8	3446.7
77.5°	163.1	162.7	191.7	277.7	557.4	687.7	814.4	3572.4	3678.7	3634.6	2657.2
80°	112.3	111.5	132.0	191.7	422.0	696.0	629.6	2503.6	2535.8	1962.8	1080.0
82.5°	68.8	69.4	86.2	135.4	287.2	626.4	594.4	1365.1	1330.1	550.5	269.8
85°	39.5	39.3	55.1	91.7	184.4	528.6	579.7	587.5	539.0	165.8	97.6
87.5°	14.2	15.2	29.5	50.8	105.6	368.2	491.8	305.6	275.5	74.9	44.1
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°	1342.9	1342.9	1342.9	1342.9	1342.9	1342.9	1342.9	1342.9	1342.9	1342.9	1342.9
2.5°	1341.3	1342.5	1341.0	1333.0	1326.1	1314.9	1308.7	1300.0	1297.3	1296.1	1299.4
5°	1346.3	1346.7	1334.8	1313.5	1289.6	1261.5	1241.3	1216.4	1204.6	1199.6	1202.8
7.5°	1351.0	1349.1	1323.0	1282.4	1238.2	1189.3	1145.7	1105.9	1082.6	1073.1	1073.9
10°	1351.6	1343.9	1302.0	1239.0	1170.6	1098.8	1032.0	970.5	931.6	906.3	914.0
12.5°	1345.3	1332.3	1271.0	1183.0	1088.1	990.1	899.8	807.5	752.1	726.4	727.2
15°	1340.4	1317.0	1233.0	1117.0	989.5	859.8	736.5	628.0	568.9	542.6	530.3
17.5°	1336.4	1300.4	1188.9	1042.7	873.1	708.6	560.4	463.7	431.3	423.6	420.4
20°	1330.7	1282.8	1139.7	956.7	740.6	539.4	409.2	361.5	361.7	370.6	371.8
22.5°	1322.8	1262.7	1087.2	860.2	598.3	392.8	320.8	307.0	321.0	338.0	341.0
25°	1311.1	1239.0	1029.0	753.5	456.2	302.0	274.0	273.4	290.4	308.2	310.9
27.5°	1294.5	1208.1	964.2	639.0	336.2	256.6	245.5	249.8	262.3	275.3	276.3
30°	1272.2	1172.1	892.8	518.1	263.5	228.5	227.3	231.1	238.8	247.9	248.7
32.5°	1247.7	1135.4	816.4	401.1	225.7	213.3	214.5	216.4	220.0	223.6	224.5
35°	1225.5	1098.0	738.3	304.8	207.7	203.4	202.6	202.2	202.6	201.4	201.6
37.5°	1211.1	1067.0	657.0	242.7	197.3	194.7	192.3	189.2	185.8	183.8	184.2
40°	1205.9	1043.9	574.6	209.7	188.8	187.0	182.4	175.9	171.8	170.6	170.6
42.5°	1220.0	1032.0	495.1	193.1	181.7	178.7	171.0	163.5	160.5	160.3	160.1
45°	1263.3	1036.9	419.4	184.0	175.3	169.4	159.3	153.0	151.0	151.4	151.2
47.5°	1341.0	1067.4	354.6	177.9	168.8	161.1	149.8	144.7	142.3	142.3	142.5
50°	1473.2	1138.9	303.0	172.8	163.3	153.4	142.9	136.6	133.4	133.2	133.2
52.5°	1665.7	1266.8	270.8	168.6	157.3	146.5	136.0	128.1	124.3	123.5	123.1
55°	1906.9	1450.1	261.9	165.8	149.2	139.0	127.7	119.8	115.6	113.7	113.5
57.5°	2176.7	1673.2	279.5	162.3	140.9	130.1	118.6	111.1	106.7	104.4	104.2
60°	2449.8	1916.7	351.4	157.5	134.0	120.4	109.3	102.4	98.0	95.5	95.1
62.5°	2723.2	2173.3	498.1	157.1	129.1	111.1	99.8	93.9	89.7	87.0	86.4
65°	3031.6	2454.2	664.9	167.8	127.5	102.6	90.1	85.4	81.8	79.3	79.1
67.5°	3385.8	2771.4	648.9	189.8	133.0	94.9	81.0	77.3	74.7	72.7	72.5
70°	3552.0	2721.8	403.4	205.4	140.7	87.4	72.3	69.6	67.6	66.2	65.6
71°	3482.4	2584.3	338.2	203.6	139.9	84.2	68.8	66.8	64.8	63.6	62.9
72.5°	3292.5	2356.9	282.1	189.4	130.7	78.3	64.4	62.3	60.5	59.1	58.7
75°	2954.5	2104.9	225.9	151.4	104.2	66.2	56.5	54.2	52.8	52.0	51.2
77.5°	2171.9	1502.2	174.7	119.6	76.7	54.0	48.2	46.6	45.1	43.9	43.3
80°	832.0	581.9	117.6	89.3	56.3	42.7	38.9	38.0	36.6	35.8	35.8
82.5°	224.0	173.9	62.7	54.0	37.6	31.2	29.8	29.3	28.1	26.5	26.7
85°	90.7	76.7	35.2	29.8	23.1	18.4	20.0	20.2	18.8	16.8	17.0
87.5°	39.9	32.6	19.6	13.2	10.1	7.1	9.1	9.1	8.3	6.9	6.3
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)