

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: P317765

Luminaire Tested: **GAN-SA1C-740-U-T3R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-740-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7571 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

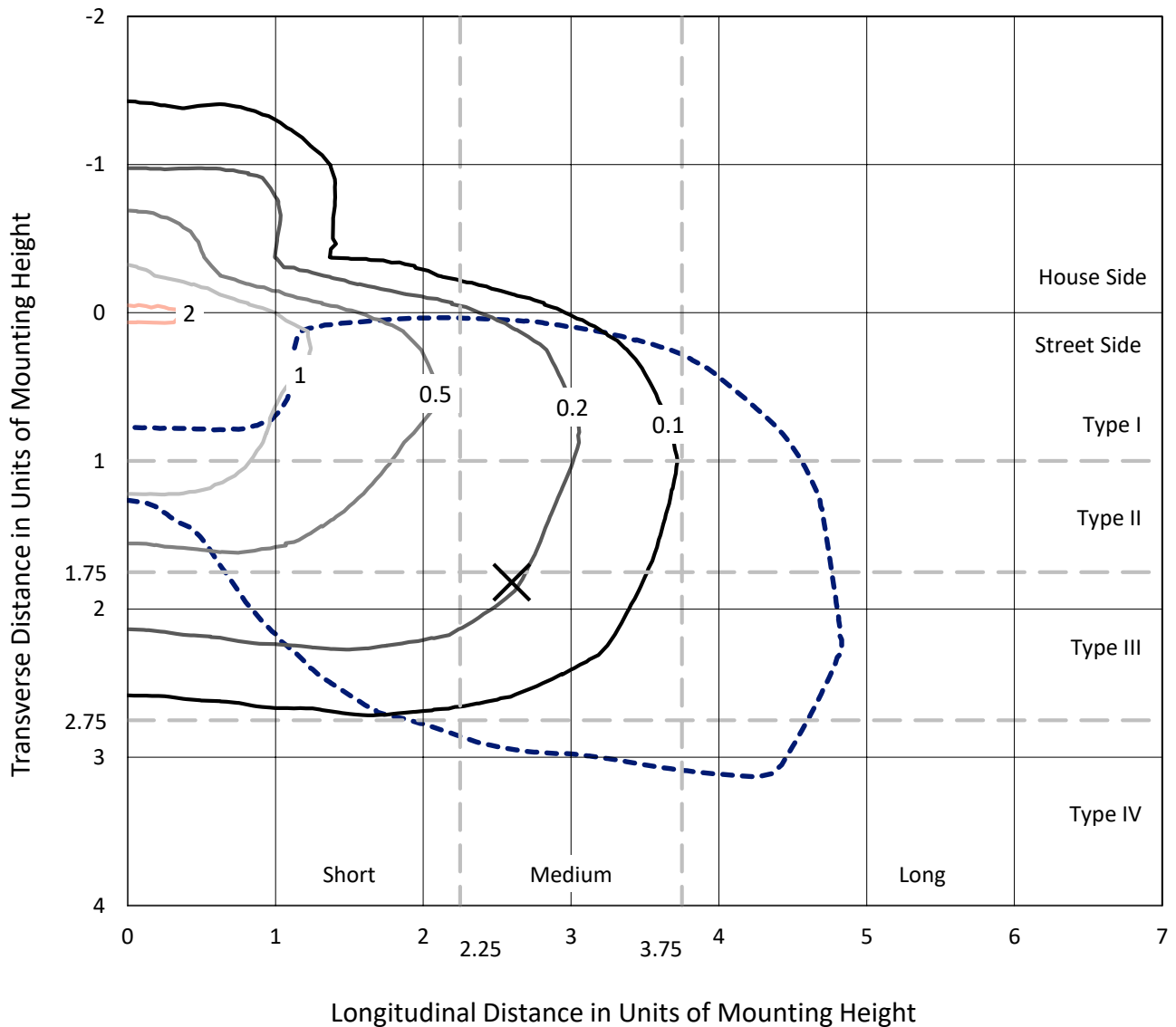
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P317765
 CATALOG NUMBER: GAN-SA1C-740-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

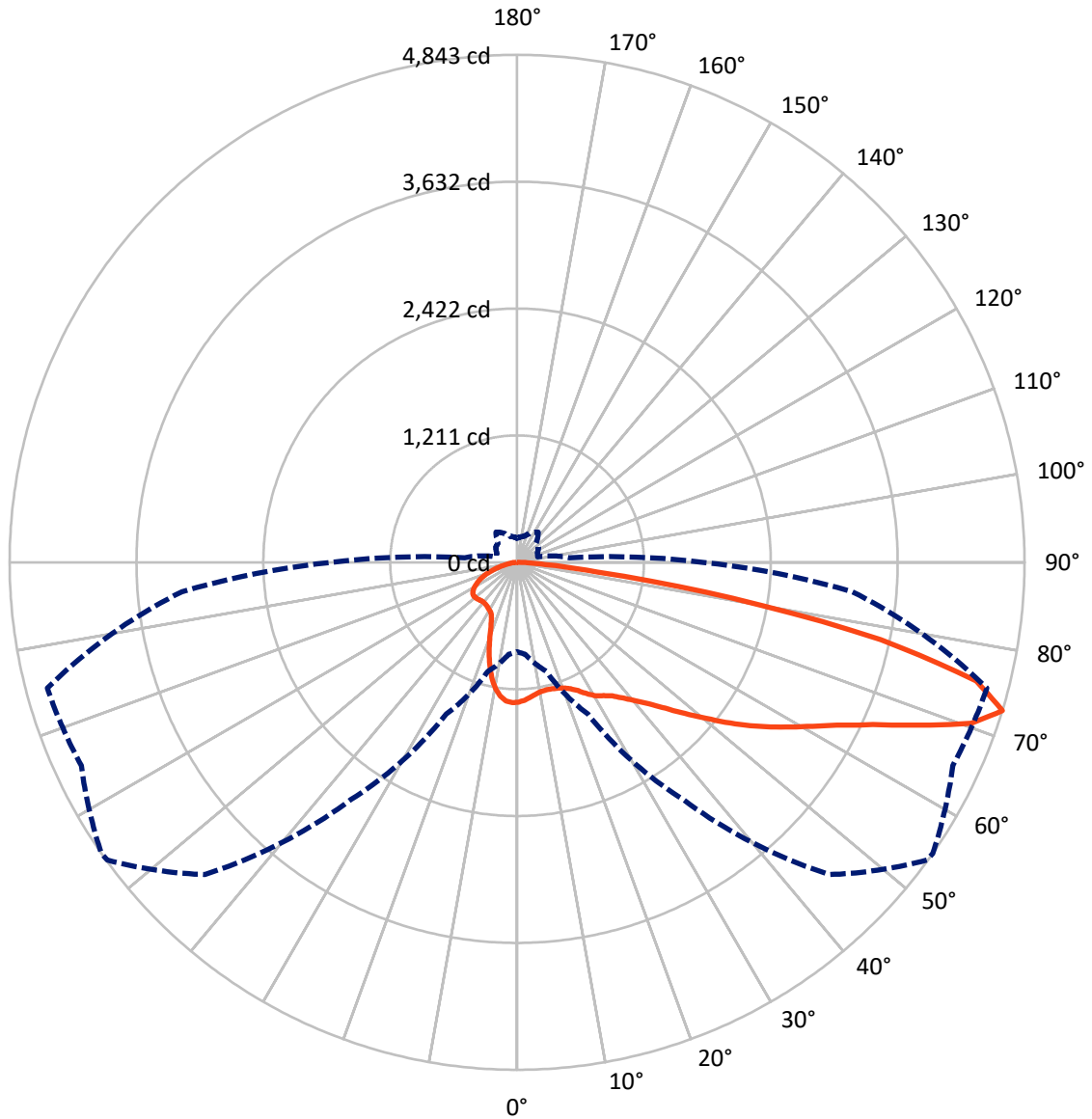
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P317765
CATALOG NUMBER: GAN-SA1C-740-U-T3R

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P317765
 CATALOG NUMBER: GAN-SA1C-740-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1407.2	0.0	1407.2
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	6163.8	0.0	6163.8
	% Fixture	81.4	0.0	81.4
Total	Lumens	7571.0	0.0	7571.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	1.6
10°-20°	321.7	4.2
20°-30°	530.4	7.0
30°-40°	784.6	10.4
40°-50°	1095.2	14.5
50°-60°	1425.9	18.8
60°-70°	1752.4	23.1
70°-80°	1373.7	18.1
80°-90°	166.2	2.2
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°	7571.0	100.0
0°-180°	7571.0	100.0

Coefficient of Utilization

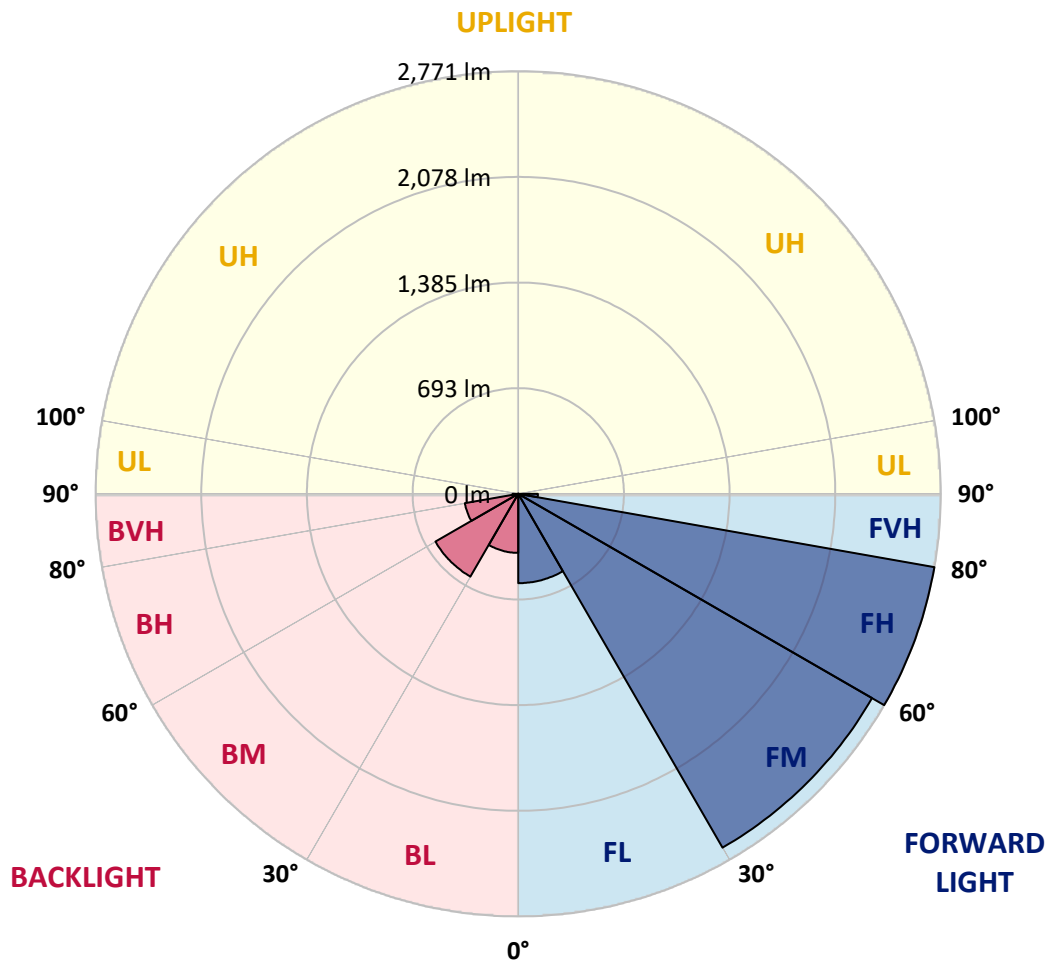


REPORT NUMBER: P317765
 CATALOG NUMBER: GAN-SA1C-740-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	585.8	7.7			
FM (30°-60°)	2678.8	35.4			
FH (60°-80°)	2770.7	36.6			G2/5000
FVH (80°-90°)	128.5	1.7			G2/225
BL (0°-30°)	387.2	5.1	B1/500		
BM (30°-60°)	626.9	8.3	B1/1000		
BH (60°-80°)	355.4	4.7	B1/500		G1/500
BVH (80°-90°)	37.7	0.5			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 IV Medium





REPORT NUMBER: P317765

CATALOG NUMBER: GAN-SA1C-740-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1335.4	1335.4	1335.4	1335.4	1335.4	1335.4	1335.4	1335.4	1335.4	1335.4	1335.4
2.5°	1291.9	1288.8	1292.7	1298.0	1303.9	1311.8	1316.4	1318.5	1326.4	1329.5	1336.1
5°	1232.1	1230.5	1236.9	1246.1	1259.2	1277.6	1292.4	1295.2	1316.2	1331.0	1344.6
7.5°	1188.6	1188.6	1196.0	1207.0	1221.6	1246.4	1267.3	1271.2	1306.7	1338.7	1363.7
10°	1154.1	1155.3	1164.0	1177.1	1194.2	1220.5	1248.4	1252.8	1304.2	1356.6	1396.5
12.5°	1131.0	1134.1	1142.0	1153.8	1175.0	1207.0	1242.3	1248.2	1309.5	1382.2	1435.9
15°	1145.6	1150.7	1151.5	1156.4	1168.1	1202.9	1245.9	1252.0	1321.0	1408.2	1480.6
17.5°	1209.5	1211.3	1203.4	1193.2	1187.6	1209.8	1256.6	1263.0	1334.9	1434.1	1523.6
20°	1306.7	1305.7	1288.6	1260.9	1232.3	1235.9	1274.2	1280.9	1353.5	1456.8	1566.5
22.5°	1429.5	1425.9	1399.5	1348.7	1299.8	1279.4	1305.2	1310.8	1381.6	1489.3	1612.6
25°	1578.3	1570.4	1535.6	1467.3	1395.5	1342.8	1351.7	1357.1	1422.6	1525.6	1654.8
27.5°	1735.3	1727.4	1683.1	1600.5	1504.9	1422.8	1415.9	1420.5	1469.1	1552.5	1686.0
30°	1899.5	1891.0	1850.6	1758.1	1621.0	1505.7	1475.8	1477.5	1501.8	1567.0	1711.5
32.5°	2064.4	2056.5	2011.2	1903.8	1747.1	1594.7	1519.0	1516.7	1521.5	1582.1	1740.4
35°	2231.7	2234.7	2181.8	2062.9	1886.7	1693.6	1570.1	1565.3	1554.5	1613.1	1781.3
37.5°	2410.7	2408.6	2340.1	2215.8	2032.7	1801.0	1643.5	1642.7	1605.7	1671.6	1845.5
40°	2530.3	2531.6	2489.9	2372.3	2180.3	1919.9	1737.6	1735.8	1687.2	1759.3	1929.7
42.5°	2577.1	2585.6	2596.3	2521.6	2334.7	2057.8	1849.9	1847.3	1801.0	1885.2	2028.6
45°	2580.5	2597.3	2663.8	2654.4	2491.2	2215.5	1993.3	1986.2	1952.9	2052.4	2146.8
47.5°	2551.8	2569.2	2679.7	2733.4	2631.1	2382.0	2161.1	2155.5	2126.8	2261.6	2274.6
50°	2489.2	2505.8	2646.9	2772.0	2746.2	2542.1	2354.4	2339.6	2324.2	2503.2	2420.9
52.5°	2371.8	2403.8	2603.2	2781.2	2814.9	2684.3	2557.7	2548.0	2556.4	2758.2	2567.4
55°	2093.8	2129.6	2490.4	2773.5	2865.8	2803.7	2761.0	2760.5	2804.2	3025.7	2724.7
57.5°	1938.1	1963.4	2260.8	2760.5	2926.2	2922.3	2962.2	2967.1	3052.3	3316.9	2889.4
60°	1850.1	1876.7	2144.5	2712.1	3019.8	3075.8	3167.6	3177.3	3304.4	3639.4	3087.5
62.5°	1770.1	1799.2	2072.3	2613.7	3130.0	3295.2	3413.6	3422.3	3571.4	3970.8	3279.1
65°	1633.3	1666.3	1966.7	2549.0	3230.2	3581.3	3726.3	3732.2	3878.0	4318.1	3425.6
67.5°	1440.0	1470.1	1767.5	2406.1	3304.4	3928.9	4142.1	4145.5	4182.0	4563.3	3500.5
70°	1214.2	1225.7	1483.7	2111.0	3216.7	4253.9	4597.8	4598.6	4459.2	4720.3	3488.3
72.5°	853.1	880.2	1077.1	1598.0	2764.3	4214.2	4834.4	4843.1	4588.1	4641.0	3209.5
75°	523.2	551.8	675.6	968.4	1753.7	3314.4	4466.6	4527.0	4346.4	4138.0	2621.9
77.5°	349.8	360.6	440.9	564.6	794.5	1906.9	3434.0	3547.6	3610.7	3017.7	1676.7
80°	195.1	215.6	292.3	350.8	353.4	757.7	2059.0	2085.6	2008.9	1201.6	517.3
82.5°	103.3	114.6	195.1	206.1	192.8	253.7	767.4	768.2	641.9	322.2	153.7
85°	80.0	89.5	133.7	125.8	98.5	112.5	253.2	267.0	218.4	132.0	50.1
87.5°	39.9	49.6	90.8	79.8	38.6	32.2	90.5	96.7	86.2	51.7	18.2
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: P317765
 CATALOG NUMBER: GAN-SA1C-740-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1335.4	1335.4	1335.4	1335.4	1335.4	1335.4	1335.4	1335.4	1335.4	1335.4	1335.4
2.5°	1338.7	1341.0	1343.8	1340.7	1339.7	1335.6	1328.7	1327.2	1323.6	1323.9	1325.9
5°	1350.4	1354.3	1352.8	1341.0	1326.9	1307.2	1286.8	1269.4	1257.9	1257.1	1256.3
7.5°	1373.0	1375.5	1363.5	1330.0	1290.6	1245.1	1202.1	1164.5	1141.8	1136.2	1134.9
10°	1408.2	1407.7	1374.7	1307.2	1228.7	1147.4	1078.4	1026.2	995.8	986.8	984.5
12.5°	1447.6	1441.7	1378.6	1265.8	1141.3	1028.5	941.0	883.0	851.3	841.1	838.5
15°	1488.3	1473.7	1369.1	1203.9	1033.9	900.4	808.6	754.9	737.7	732.1	731.1
17.5°	1526.1	1498.0	1342.0	1120.0	911.4	772.8	701.2	679.7	683.8	691.2	691.5
20°	1563.2	1514.4	1298.5	1014.2	782.2	667.7	643.4	659.2	678.7	693.8	695.8
22.5°	1599.8	1525.9	1242.5	891.9	666.7	608.6	625.7	654.6	676.9	693.3	696.1
25°	1630.5	1528.7	1165.3	761.5	586.4	586.4	617.3	644.7	666.7	682.8	685.6
27.5°	1641.7	1509.8	1056.4	640.8	546.0	576.1	605.5	628.3	647.0	664.1	667.2
30°	1646.1	1474.7	930.6	543.9	529.3	565.1	589.7	609.1	626.8	642.9	645.7
32.5°	1646.8	1432.5	797.1	488.9	517.8	553.6	570.0	587.1	606.1	612.4	613.5
35°	1651.7	1382.7	656.4	460.8	507.1	542.9	555.9	568.2	537.5	539.8	541.9
37.5°	1665.7	1333.3	538.8	445.0	500.2	537.3	552.9	508.4	484.3	478.7	477.9
40°	1692.1	1280.6	451.6	432.2	497.6	540.1	533.2	474.6	433.2	402.2	397.6
42.5°	1728.7	1223.9	395.9	423.7	499.4	553.6	505.8	442.1	373.3	353.4	350.8
45°	1769.8	1164.3	365.7	417.8	505.6	564.1	500.2	398.9	345.5	330.4	329.1
47.5°	1809.7	1091.4	350.1	415.3	514.0	555.7	476.4	385.6	332.2	324.3	325.0
50°	1855.5	1025.7	340.6	412.5	521.4	550.3	449.6	378.7	327.1	336.8	347.0
52.5°	1894.1	957.7	332.2	406.8	524.2	540.8	442.6	380.0	327.1	345.7	355.4
55°	1939.9	906.3	322.5	395.1	518.9	514.0	437.8	387.7	330.9	319.1	320.2
57.5°	1999.0	889.4	311.7	376.7	501.0	474.9	435.5	395.1	328.6	321.2	323.7
60°	2080.8	907.3	307.4	352.6	473.1	444.2	435.7	391.2	312.5	299.7	300.0
62.5°	2158.8	927.2	307.1	337.5	438.8	416.8	429.9	378.7	304.3	296.9	299.7
65°	2184.3	907.0	294.8	320.7	400.2	384.1	419.1	365.4	298.2	286.9	286.4
67.5°	2150.1	844.4	270.0	293.3	356.0	346.0	405.1	349.6	288.5	279.2	277.7
70°	2048.3	704.5	239.4	257.3	305.6	303.0	382.8	331.2	275.4	267.5	260.8
72.5°	1774.4	502.0	201.8	214.0	248.8	257.0	352.1	307.1	257.0	239.9	229.6
75°	1457.3	371.6	165.7	168.3	189.0	211.2	309.9	279.0	235.3	206.1	198.2
77.5°	892.5	227.3	132.0	133.0	135.5	168.5	255.2	247.5	207.6	171.8	166.2
80°	289.0	124.0	95.4	100.2	92.6	123.5	197.4	210.7	178.2	143.7	137.6
82.5°	110.0	72.4	64.4	67.8	64.2	82.9	144.0	168.8	146.0	118.1	96.2
85°	53.2	40.9	38.1	42.7	39.6	42.4	92.1	124.3	110.7	77.0	71.6
87.5°	18.9	18.2	14.6	19.7	16.9	15.1	28.1	62.7	73.1	52.9	47.3
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)