

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: P317845

Luminaire Tested: **GAN-SA1C-760-U-T3R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317845
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-760-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7572 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

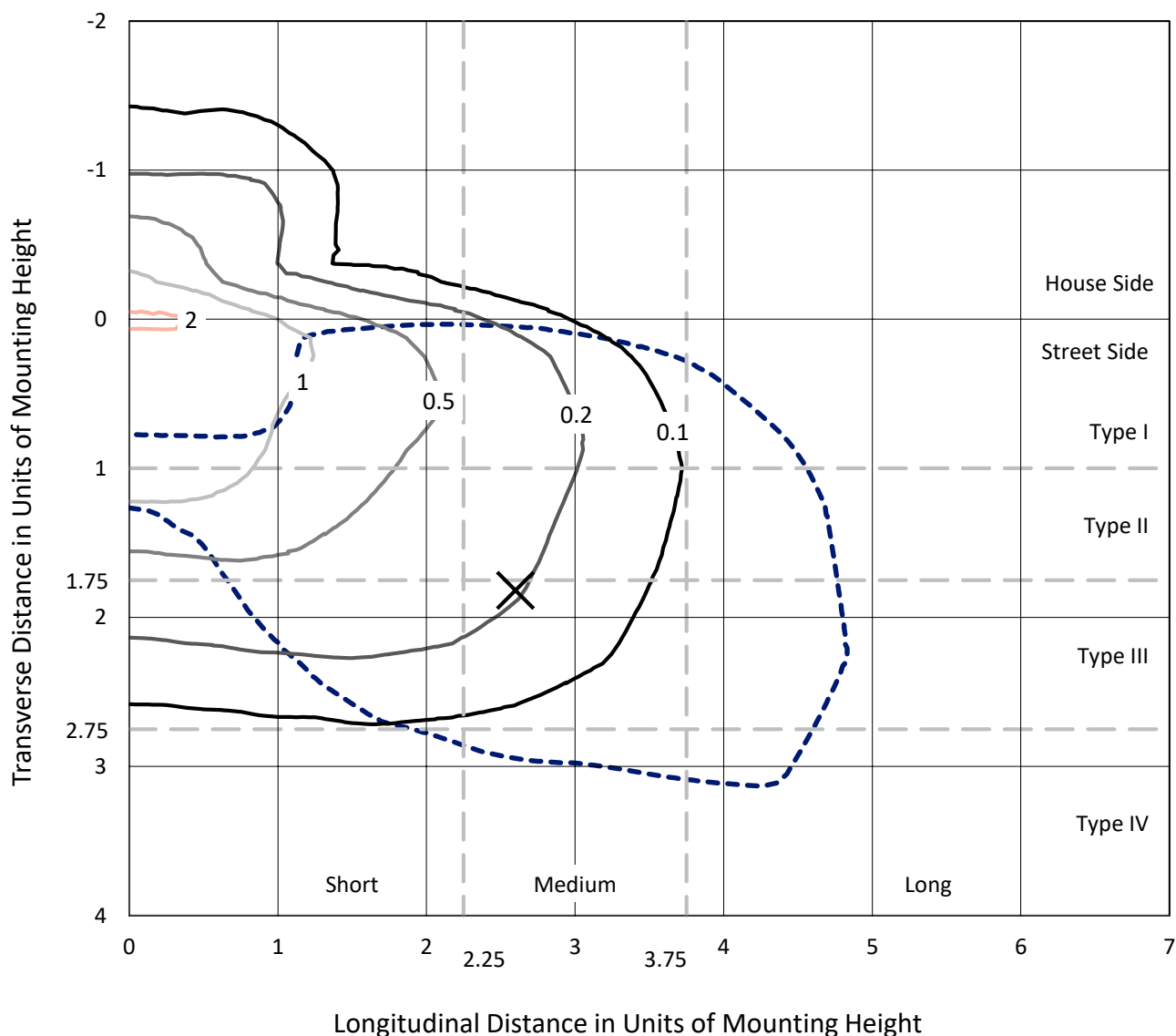
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

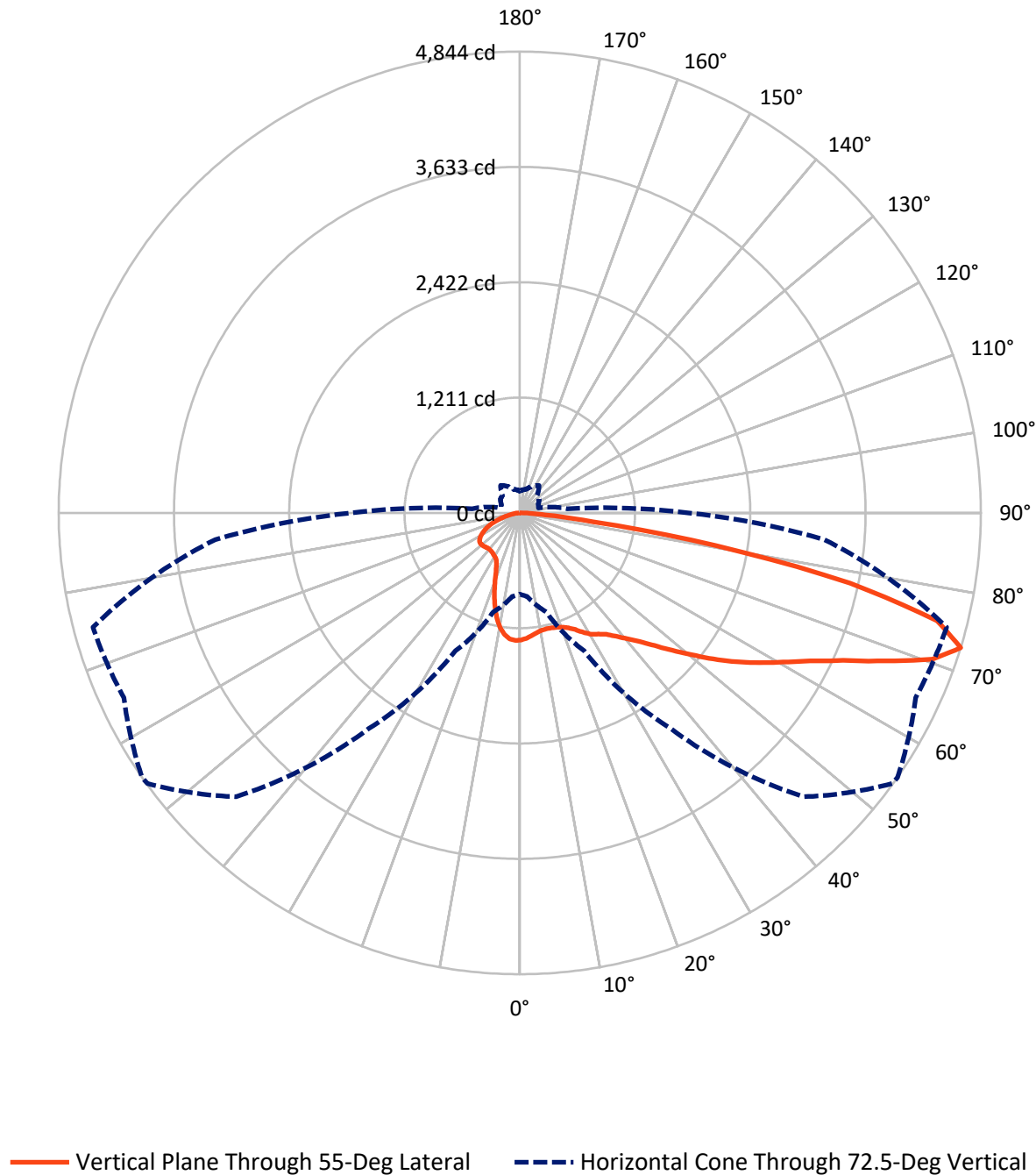
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1407.4	0.0	1407.4
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	6164.6	0.0	6164.6
	% Fixture	81.4	0.0	81.4
Total	Lumens	7572.0	0.0	7572.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	1.6
10°-20°	321.7	4.2
20°-30°	530.5	7.0
30°-40°	784.7	10.4
40°-50°	1095.3	14.5
50°-60°	1426.1	18.8
60°-70°	1752.7	23.1
70°-80°	1373.9	18.1
80°-90°	166.3	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°	7572.0	100.0
0°-180°	7572.0	100.0

Coefficient of Utilization



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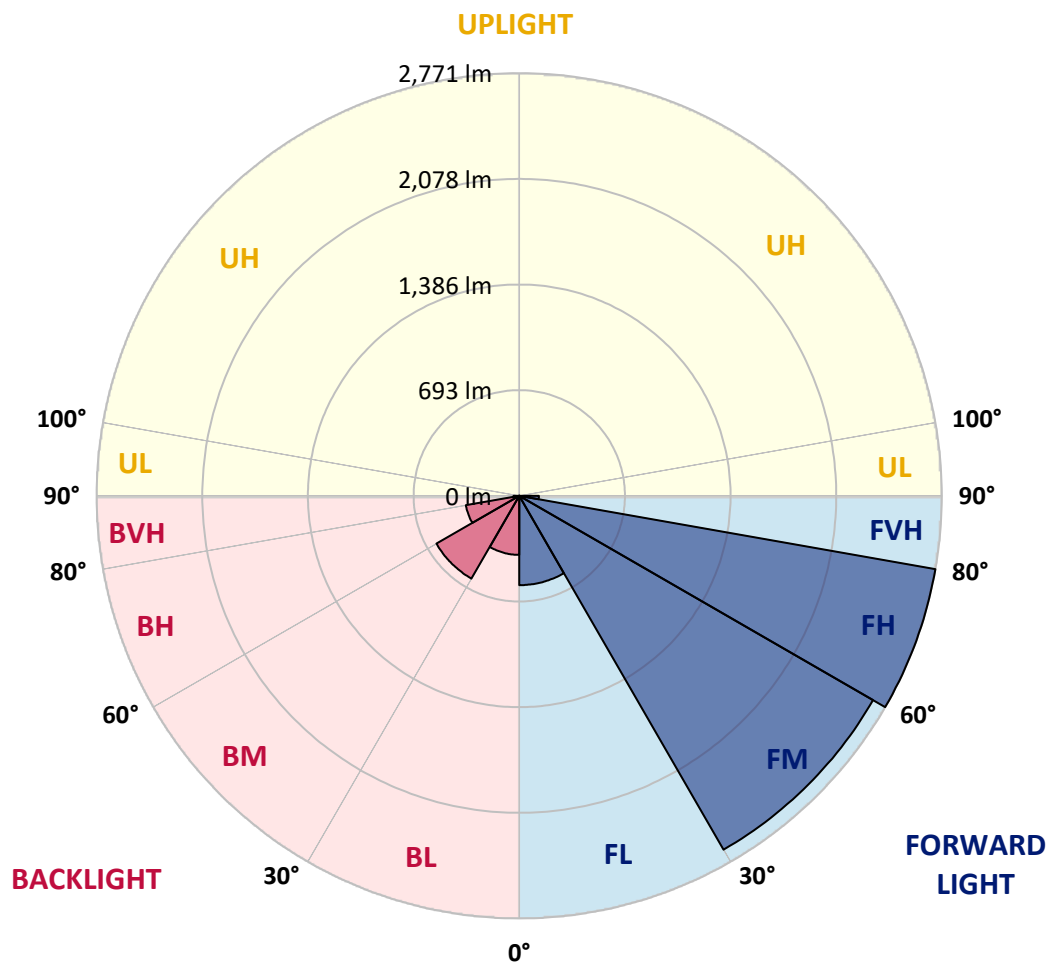
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	585.9	7.7			
FM	(30°-60°)	2679.1	35.4			
FH	(60°-80°)	2771.1	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°)	627.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1335.5	1335.5	1335.5	1335.5	1335.5	1335.5	1335.5	1335.5	1335.5	1335.5	1335.5
2.5°	1292.1	1289.0	1292.8	1298.2	1304.1	1312.0	1316.6	1318.7	1326.6	1329.7	1336.3
5°	1232.2	1230.7	1237.1	1246.3	1259.3	1277.7	1292.6	1295.4	1316.4	1331.2	1344.7
7.5°	1188.7	1188.7	1196.2	1207.2	1221.7	1246.5	1267.5	1271.3	1306.9	1338.9	1363.9
10°	1154.2	1155.5	1164.2	1177.2	1194.4	1220.7	1248.6	1252.9	1304.3	1356.8	1396.7
12.5°	1131.2	1134.3	1142.2	1154.0	1175.2	1207.2	1242.4	1248.3	1309.7	1382.3	1436.0
15°	1145.8	1150.9	1151.7	1156.5	1168.3	1203.1	1246.0	1252.2	1321.2	1408.4	1480.8
17.5°	1209.7	1211.5	1203.6	1193.3	1187.7	1210.0	1256.8	1263.2	1335.0	1434.3	1523.8
20°	1306.9	1305.9	1288.7	1261.1	1232.5	1236.1	1274.4	1281.1	1353.7	1457.0	1566.7
22.5°	1429.7	1426.1	1399.7	1348.8	1300.0	1279.5	1305.4	1311.0	1381.8	1489.5	1612.8
25°	1578.5	1570.6	1535.8	1467.5	1395.6	1343.0	1351.9	1357.3	1422.7	1525.8	1655.0
27.5°	1735.5	1727.6	1683.4	1600.8	1505.1	1423.0	1416.1	1420.7	1469.3	1552.7	1686.2
30°	1899.7	1891.3	1850.9	1758.3	1621.2	1505.9	1475.9	1477.7	1502.0	1567.2	1711.7
32.5°	2064.7	2056.8	2011.5	1904.1	1747.3	1594.9	1519.2	1516.9	1521.7	1582.3	1740.6
35°	2231.9	2235.0	2182.1	2063.2	1886.9	1693.8	1570.3	1565.5	1554.7	1613.3	1781.6
37.5°	2411.0	2408.9	2340.4	2216.1	2033.0	1801.3	1643.7	1643.0	1605.9	1671.9	1845.8
40°	2530.7	2531.9	2490.3	2372.6	2180.5	1920.2	1737.8	1736.0	1687.5	1759.6	1929.9
42.5°	2577.5	2585.9	2596.7	2522.0	2335.0	2058.0	1850.1	1847.6	1801.3	1885.4	2028.9
45°	2580.8	2597.7	2664.2	2654.7	2491.5	2215.8	1993.6	1986.4	1953.2	2052.7	2147.0
47.5°	2552.2	2569.5	2680.0	2733.7	2631.4	2382.3	2161.4	2155.7	2127.1	2261.9	2274.9
50°	2489.5	2506.1	2647.3	2772.4	2746.5	2542.4	2354.7	2339.9	2324.5	2503.6	2421.2
52.5°	2372.1	2404.1	2603.6	2781.6	2815.3	2684.6	2558.0	2548.3	2556.8	2758.5	2567.8
55°	2094.1	2129.9	2490.8	2773.9	2866.2	2804.1	2761.4	2760.8	2804.6	3026.1	2725.0
57.5°	1938.3	1963.7	2261.1	2760.8	2926.6	2922.7	2962.6	2967.5	3052.7	3317.4	2889.7
60°	1850.4	1877.0	2144.7	2712.5	3020.2	3076.2	3168.0	3177.7	3304.8	3639.9	3088.0
62.5°	1770.3	1799.5	2072.6	2614.0	3130.4	3295.6	3414.0	3422.7	3571.8	3971.3	3279.5
65°	1633.5	1666.5	1967.0	2549.3	3230.7	3581.8	3726.8	3732.7	3878.5	4318.6	3426.1
67.5°	1440.1	1470.3	1767.8	2406.4	3304.8	3929.4	4142.7	4146.0	4182.6	4563.9	3501.0
70°	1214.3	1225.8	1483.9	2111.2	3217.1	4254.4	4598.4	4599.2	4459.8	4720.9	3488.7
72.5°	853.2	880.3	1077.2	1598.2	2764.7	4214.8	4835.0	4843.7	4588.7	4641.6	3209.9
75°	523.3	551.9	675.7	968.5	1753.9	3314.8	4467.2	4527.6	4347.0	4138.6	2622.2
77.5°	349.9	360.6	440.9	564.7	794.6	1907.1	3434.5	3548.0	3611.2	3018.1	1677.0
80°	195.1	215.6	292.3	350.9	353.4	757.8	2059.3	2085.9	2009.2	1201.8	517.4
82.5°	103.3	114.6	195.1	206.1	192.8	253.7	767.5	768.3	641.9	322.2	153.7
85°	80.1	89.5	133.8	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1335.5	1335.5	1335.5	1335.5	1335.5	1335.5	1335.5	1335.5	1335.5	1335.5	1335.5
2.5°	1338.9	1341.2	1344.0	1340.9	1339.9	1335.8	1328.9	1327.4	1323.8	1324.0	1326.1
5°	1350.6	1354.5	1352.9	1341.2	1327.1	1307.4	1286.9	1269.6	1258.0	1257.3	1256.5
7.5°	1373.1	1375.7	1363.7	1330.2	1290.8	1245.3	1202.3	1164.7	1141.9	1136.3	1135.0
10°	1408.4	1407.9	1374.9	1307.4	1228.9	1147.6	1078.5	1026.3	995.9	986.9	984.6
12.5°	1447.8	1441.9	1378.8	1266.0	1141.4	1028.6	941.2	883.1	851.4	841.2	838.6
15°	1488.5	1473.9	1369.3	1204.1	1034.0	900.5	808.7	755.0	737.8	732.2	731.2
17.5°	1526.3	1498.2	1342.2	1120.2	911.5	772.9	701.3	679.8	683.9	691.3	691.6
20°	1563.4	1514.6	1298.7	1014.3	782.3	667.8	643.5	659.3	678.8	693.9	695.9
22.5°	1600.0	1526.1	1242.7	892.1	666.7	608.7	625.8	654.7	677.0	693.3	696.2
25°	1630.7	1528.9	1165.5	761.6	586.4	586.4	617.4	644.8	666.7	682.9	685.7
27.5°	1641.9	1510.0	1056.5	640.9	546.0	576.2	605.6	628.4	647.1	664.2	667.3
30°	1646.3	1474.9	930.7	544.0	529.4	565.2	589.8	609.2	626.8	643.0	645.8
32.5°	1647.0	1432.7	797.2	489.0	517.9	553.7	570.1	587.2	606.1	612.5	613.5
35°	1651.9	1382.9	656.5	460.9	507.2	543.0	556.0	568.3	537.6	539.9	541.9
37.5°	1666.0	1333.5	538.9	445.0	500.3	537.3	552.9	508.4	484.4	478.8	478.0
40°	1692.3	1280.8	451.7	432.2	497.7	540.1	533.2	474.7	433.2	402.3	397.7
42.5°	1728.9	1224.0	395.9	423.8	499.5	553.7	505.9	442.2	373.4	353.4	350.9
45°	1770.1	1164.4	365.7	417.9	505.6	564.2	500.3	399.0	345.5	330.4	329.2
47.5°	1810.0	1091.6	350.1	415.3	514.1	555.7	476.5	385.7	332.2	324.3	325.1
50°	1855.7	1025.8	340.7	412.5	521.5	550.4	449.6	378.8	327.1	336.8	347.1
52.5°	1894.4	957.8	332.2	406.9	524.3	540.9	442.7	380.0	327.1	345.8	355.5
55°	1940.1	906.4	322.5	395.1	518.9	514.1	437.8	387.7	330.9	319.2	320.2
57.5°	1999.2	889.5	311.8	376.7	501.0	474.9	435.5	395.1	328.6	321.2	323.8
60°	2081.1	907.4	307.4	352.7	473.1	444.2	435.8	391.3	312.5	299.7	300.0
62.5°	2159.1	927.4	307.2	337.6	438.9	416.9	429.9	378.8	304.3	296.9	299.7
65°	2184.6	907.2	294.9	320.7	400.3	384.1	419.2	365.5	298.2	287.0	286.4
67.5°	2150.4	844.5	270.1	293.3	356.0	346.0	405.1	349.6	288.5	279.3	277.7
70°	2048.6	704.6	239.4	257.3	305.6	303.1	382.9	331.2	275.4	267.5	260.9
72.5°	1774.7	502.0	201.8	214.1	248.8	257.0	352.2	307.2	257.0	239.9	229.7
75°	1457.5	371.6	165.7	168.3	189.0	211.3	310.0	279.0	235.3	206.1	198.2
77.5°	892.6	227.4	132.0	133.0	135.5	168.5	255.2	247.6	207.7	171.9	166.2
80°	289.0	124.0	95.4	100.3	92.6	123.5	197.4	210.7	178.3	143.7	137.6
82.5°	110.0	72.4	64.4	67.8	64.2	82.9	144.0	168.8	146.0	118.2	96.2
85°	53.2	40.9	38.1	42.7	39.6	42.5	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)