

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: P318395

Luminaire Tested: **GAN-SA1B-740-U-T3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318395  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1B-740-U-T3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5986 lumens  
Efficiency: N/A  
Efficacy: 136.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

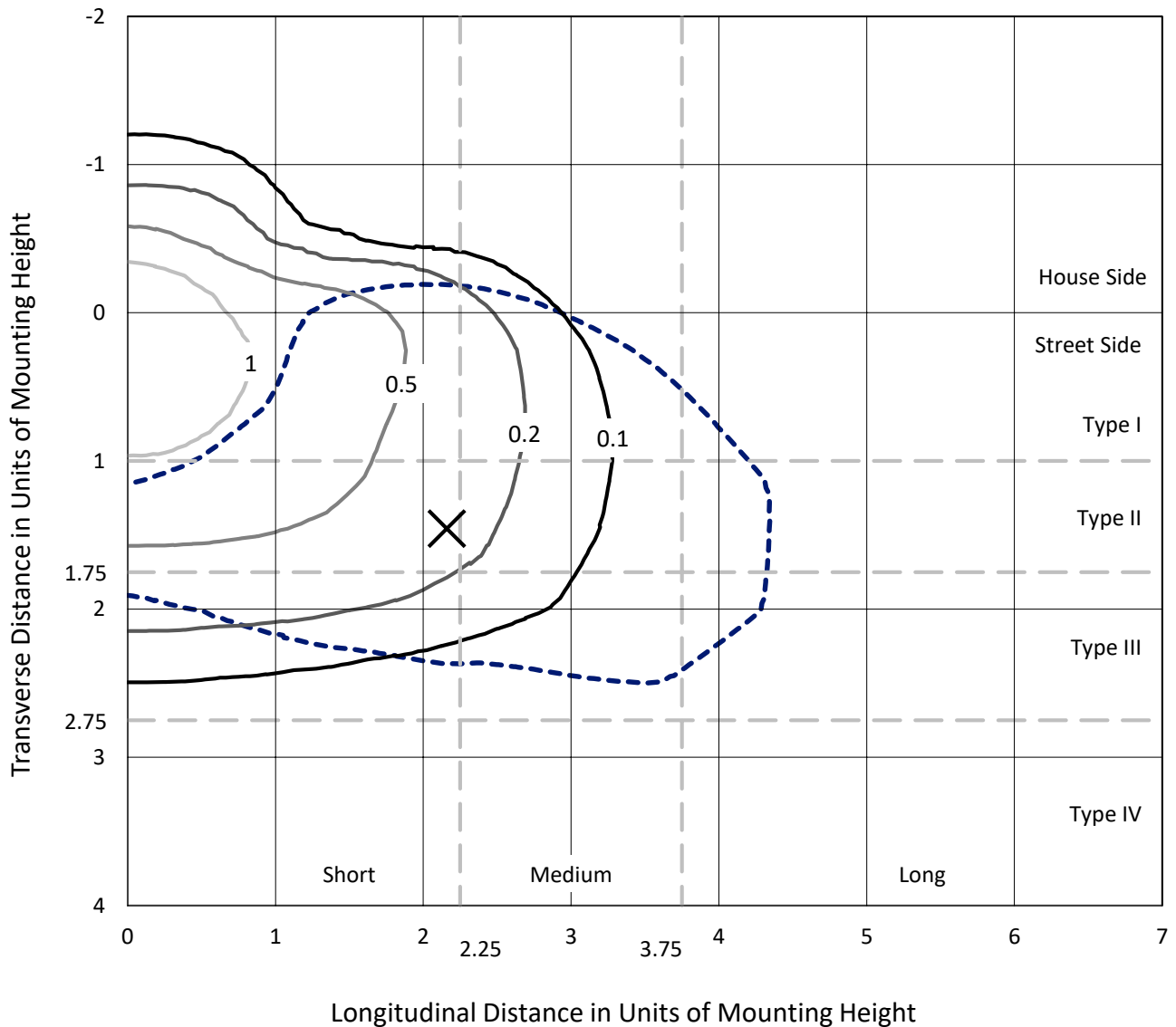
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P318395  
 CATALOG NUMBER: GAN-SA1B-740-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

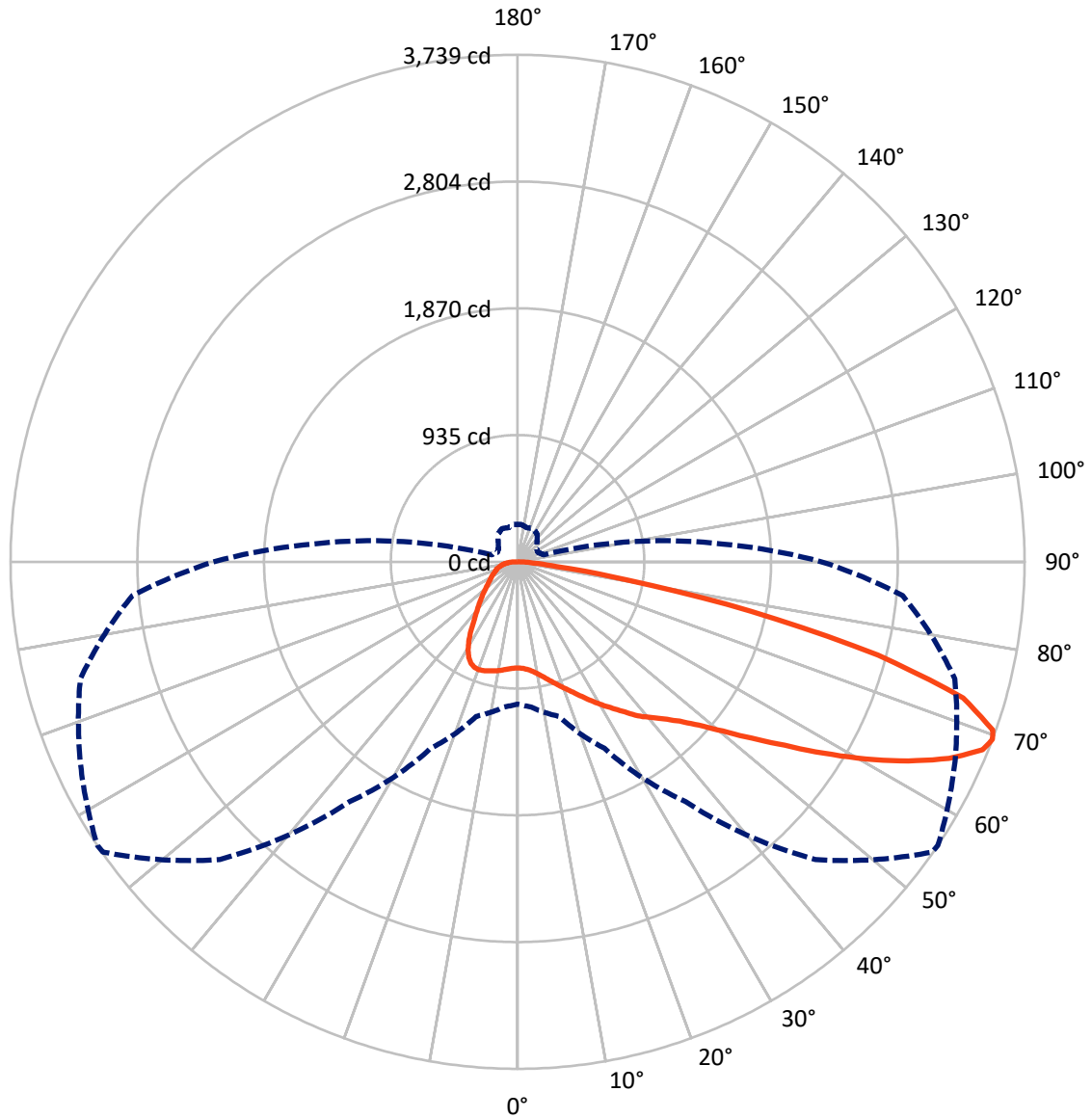
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P318395  
CATALOG NUMBER: GAN-SA1B-740-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P318395  
 CATALOG NUMBER: GAN-SA1B-740-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1333.1	0.0	1333.1
	% Fixture	22.3	0.0	22.3
<b>Street Side</b>	Lumens	4652.9	0.0	4652.9
	% Fixture	77.7	0.0	77.7
<b>Total</b>	Lumens	5986.0	0.0	5986.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.9	1.3
10°-20°	247.2	4.1
20°-30°	431.4	7.2
30°-40°	619.7	10.4
40°-50°	857.7	14.3
50°-60°	1256.7	21.0
60°-70°	1532.1	25.6
70°-80°	847.0	14.2
80°-90°	117.3	2.0
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°	5986.0	100.0
0°-180°	5986.0	100.0

**Coefficient of Utilization**

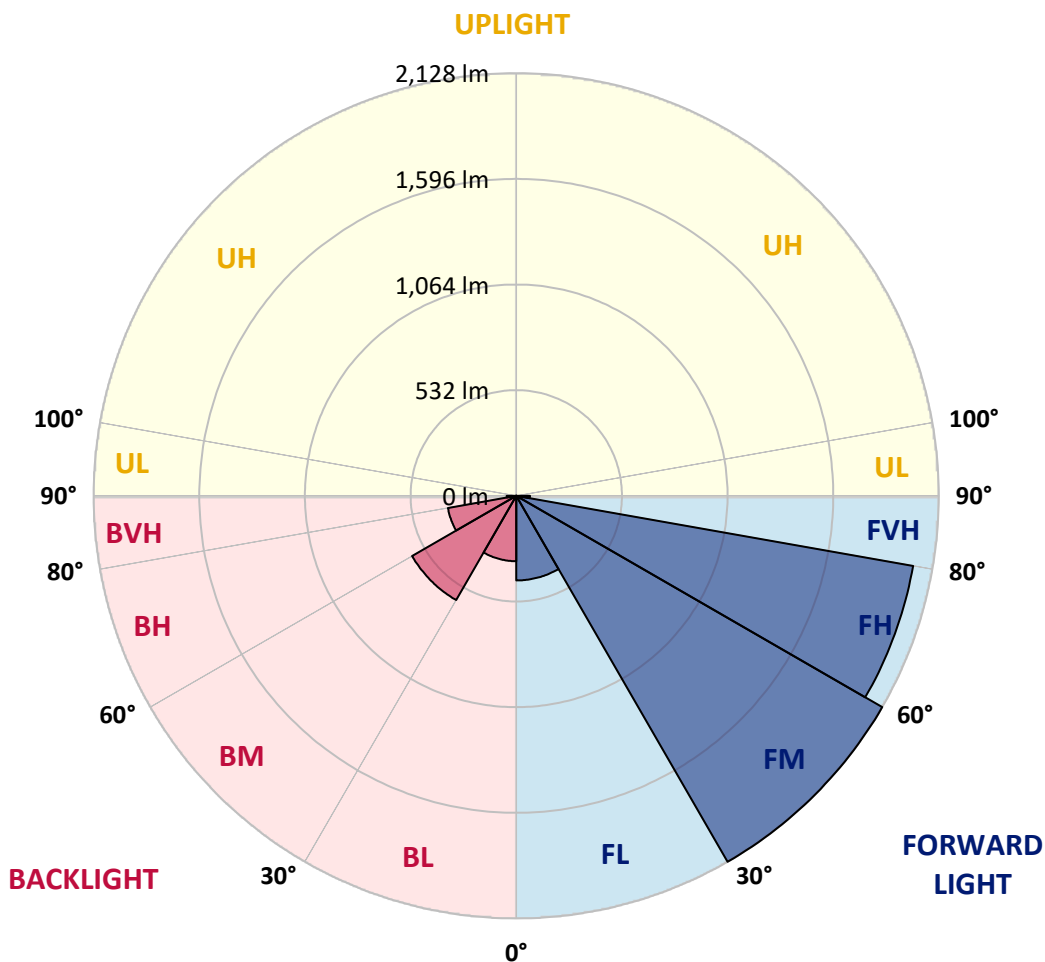


REPORT NUMBER: P318395  
 CATALOG NUMBER: GAN-SA1B-740-U-T3

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	426.0	7.1			
FM (30°-60°)	2128.2	35.6			
FH (60°-80°)	2029.6	33.9			G2/5000
FVH (80°-90°)	69.1	1.2			G1/100
BL (0°-30°)	329.4	5.5	B1/500		
BM (30°-60°)	605.9	10.1	B1/1000		
BH (60°-80°)	349.6	5.8	B1/500		G1/500
BVH (80°-90°)	48.2	0.8			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 Short





REPORT NUMBER: P318395  
 CATALOG NUMBER: GAN-SA1B-740-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6
2.5°	787.5	788.4	787.7	789.4	787.5	788.8	787.7	787.7	787.1	785.3	783.2
5°	799.9	801.6	800.5	802.2	799.9	800.3	798.5	798.5	796.6	792.7	788.6
7.5°	819.3	821.1	820.3	822.0	818.9	818.9	816.4	816.2	812.5	806.1	801.3
10°	842.4	844.9	844.0	846.5	844.0	844.9	842.4	842.4	837.4	828.4	822.4
12.5°	876.0	879.1	876.8	876.6	875.6	877.2	875.2	874.8	870.2	857.8	849.6
15°	920.9	924.2	919.5	919.1	913.3	912.7	912.7	912.1	909.2	894.3	880.7
17.5°	972.7	973.7	969.6	963.0	955.6	950.8	950.2	951.9	951.9	934.6	912.9
20°	1023.4	1025.3	1022.0	1014.6	1005.1	998.1	993.1	996.4	996.2	975.6	944.9
22.5°	1078.7	1083.0	1078.1	1068.6	1057.5	1049.6	1041.0	1043.9	1044.1	1018.7	976.2
25°	1150.3	1146.3	1143.2	1129.8	1114.0	1105.9	1097.9	1100.8	1099.9	1065.1	1008.6
27.5°	1213.6	1214.4	1210.3	1196.0	1177.7	1159.9	1159.5	1161.4	1158.3	1113.3	1039.1
30°	1287.2	1287.6	1281.8	1269.0	1249.0	1226.1	1220.8	1223.9	1217.3	1159.1	1071.3
32.5°	1360.4	1362.5	1356.1	1340.6	1324.5	1296.7	1285.9	1288.0	1271.5	1205.9	1104.5
35°	1424.5	1427.4	1425.3	1415.0	1397.5	1373.6	1360.8	1359.6	1339.1	1263.3	1148.4
37.5°	1489.9	1492.6	1490.3	1481.6	1474.6	1449.3	1442.5	1442.5	1407.0	1321.8	1204.3
40°	1557.1	1561.2	1558.6	1546.6	1540.6	1529.1	1512.8	1508.9	1470.5	1392.1	1295.4
42.5°	1619.6	1625.0	1635.7	1628.7	1616.5	1618.2	1585.4	1583.3	1555.3	1496.1	1409.9
45°	1708.3	1716.1	1734.3	1728.9	1726.4	1717.3	1678.4	1676.5	1665.8	1635.9	1552.0
47.5°	1805.0	1815.7	1848.5	1849.5	1876.1	1859.0	1806.0	1799.6	1802.1	1803.3	1725.4
50°	1894.1	1905.8	1959.6	1985.0	2047.7	2051.4	1966.7	1960.9	1970.6	1999.0	1927.5
52.5°	1965.2	1980.1	2047.3	2125.6	2233.1	2263.6	2164.4	2160.1	2167.3	2216.4	2156.0
55°	2017.4	2033.5	2106.7	2249.4	2420.9	2474.8	2392.1	2387.9	2392.5	2455.0	2404.4
57.5°	2029.6	2033.5	2139.7	2332.7	2579.5	2708.8	2670.7	2662.4	2640.1	2694.6	2678.7
60°	1972.4	1988.1	2112.4	2362.0	2702.2	2939.6	2961.8	2951.5	2889.0	2933.6	2920.8
62.5°	1856.5	1884.6	2010.8	2317.4	2750.3	3128.0	3247.4	3235.1	3127.4	3156.3	3094.8
65°	1667.2	1679.2	1811.8	2163.8	2689.2	3248.7	3502.1	3495.9	3360.5	3315.3	3127.0
67.5°	1328.6	1351.1	1463.7	1842.7	2439.5	3234.5	3699.1	3698.4	3512.6	3374.3	3013.0
69°	1049.6	1072.9	1180.2	1517.9	2158.6	3104.3	3732.0	3739.3	3555.5	3338.4	2850.1
70°	836.8	863.8	937.4	1278.5	1909.3	2932.8	3704.6	3717.6	3547.3	3279.2	2699.7
72.5°	356.1	378.0	430.4	659.1	1163.7	2190.0	3387.3	3436.3	3356.1	3001.2	2231.2
75°	155.5	162.3	186.0	268.7	516.6	1191.9	2653.6	2744.3	2869.7	2536.8	1662.1
77.5°	113.8	116.7	129.7	157.8	231.8	450.2	1706.4	1759.2	2069.6	1846.0	1019.5
80°	88.1	90.1	100.2	115.9	151.4	182.1	778.2	823.6	1163.7	948.2	424.6
82.5°	70.1	71.6	78.6	85.4	104.6	110.3	258.4	286.6	429.5	261.9	112.4
85°	65.2	66.8	69.3	62.3	67.0	64.8	111.8	116.9	129.7	102.9	47.0
87.5°	29.5	34.9	68.7	48.5	35.7	28.5	45.8	47.8	53.8	54.0	20.8
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: P318395  
 CATALOG NUMBER: GAN-SA1B-740-U-T3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6
2.5°	784.4	783.8	784.8	782.4	785.5	785.3	784.2	784.6	786.7	786.5	786.7
5°	789.2	788.8	790.0	788.1	791.9	793.1	793.3	795.2	797.4	798.0	798.0
7.5°	801.1	801.1	801.8	799.3	801.8	801.6	800.5	802.4	804.6	804.9	804.6
10°	821.8	822.0	820.9	814.5	812.5	806.9	801.8	802.0	804.9	807.1	807.7
12.5°	847.7	846.9	842.4	830.6	822.0	810.6	805.3	805.1	807.9	809.8	810.4
15°	877.4	875.2	863.4	844.2	829.0	817.8	809.2	807.1	805.5	803.4	803.6
17.5°	905.5	900.3	880.7	854.1	838.1	823.2	806.5	793.1	783.8	778.5	776.8
20°	933.9	923.8	895.6	863.4	843.0	816.0	783.8	756.6	739.7	731.9	730.4
22.5°	959.9	943.6	909.4	873.1	839.1	791.7	741.1	701.5	678.0	667.5	668.3
25°	985.3	962.6	923.8	879.9	819.3	748.8	681.7	633.1	605.9	594.1	593.7
27.5°	1007.6	981.8	939.5	874.3	782.4	687.7	611.4	564.0	541.3	531.2	529.6
30°	1033.1	1005.9	960.3	853.1	728.3	617.2	542.8	509.3	493.3	483.2	481.3
32.5°	1064.3	1038.7	977.5	814.5	659.3	543.6	489.1	465.8	451.2	439.9	437.8
35°	1109.6	1082.0	981.8	759.3	583.4	485.4	449.8	425.8	406.0	391.4	389.9
37.5°	1166.5	1136.2	971.9	687.7	509.8	447.7	417.0	387.5	361.7	341.1	337.8
40°	1248.6	1202.8	944.5	605.2	455.5	418.6	385.0	351.4	319.4	295.3	290.6
42.5°	1347.2	1281.0	902.4	523.2	415.7	389.1	353.2	311.6	281.1	264.0	261.5
45°	1472.6	1362.2	844.0	451.4	376.5	359.6	319.0	280.7	261.7	249.1	247.0
47.5°	1615.7	1453.4	782.8	393.0	343.3	332.0	291.6	266.8	251.8	241.9	240.0
50°	1791.6	1556.3	717.8	345.2	309.9	298.8	278.6	259.2	247.2	239.6	237.8
52.5°	1990.0	1672.4	671.0	307.5	282.3	274.3	271.8	255.1	245.4	239.6	237.8
55°	2203.6	1790.5	620.5	275.7	258.4	260.7	267.3	255.5	248.9	241.9	239.2
57.5°	2417.4	1912.6	564.2	248.9	239.4	250.5	264.2	256.3	250.8	244.0	241.5
60°	2586.5	1990.0	477.0	226.4	224.4	239.4	256.7	250.1	242.9	243.1	242.7
62.5°	2665.5	1985.8	380.7	206.4	209.3	224.4	244.8	240.4	234.5	242.5	243.1
65°	2621.2	1886.9	296.3	188.3	193.2	208.7	232.4	235.7	237.8	253.2	255.3
67.5°	2435.2	1694.2	229.5	172.4	178.6	198.0	233.6	256.7	259.4	275.7	275.5
69°	2242.8	1513.6	199.4	164.1	171.4	200.6	249.7	270.1	260.0	277.4	274.9
70°	2081.5	1370.7	183.3	158.6	168.1	205.4	260.4	269.9	256.9	271.8	267.7
72.5°	1603.1	986.1	155.5	148.3	156.9	196.5	263.5	264.0	249.7	252.6	245.6
75°	1099.5	623.2	135.7	134.2	140.0	177.1	253.6	252.2	231.0	226.8	221.1
77.5°	606.3	316.5	115.3	120.8	124.8	156.9	230.5	228.5	211.0	202.3	200.2
80°	233.8	138.6	97.3	107.4	109.9	135.9	202.1	200.2	185.6	174.5	171.4
82.5°	88.3	72.6	80.4	93.0	92.2	112.2	171.2	170.1	155.9	139.6	134.7
85°	40.8	43.5	63.7	76.7	70.7	83.1	136.9	138.8	121.5	102.1	102.1
87.5°	17.3	24.3	45.2	57.9	47.6	56.1	100.4	95.9	88.1	61.0	57.3
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)