

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: P527930

Luminaire Tested: **GLAN-SA3A-727-U-T2R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527930  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3A-727-U-T2R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10033 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

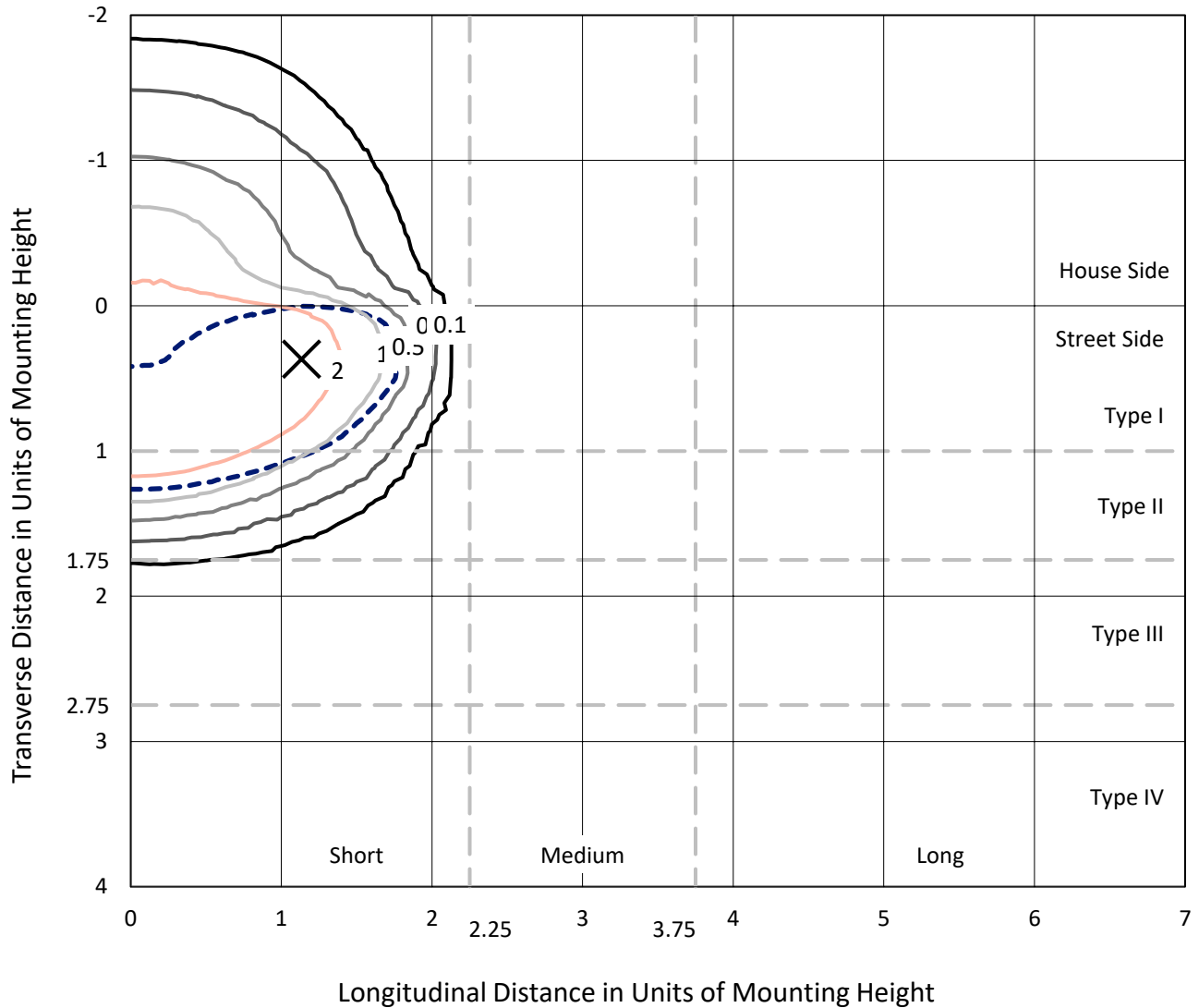
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

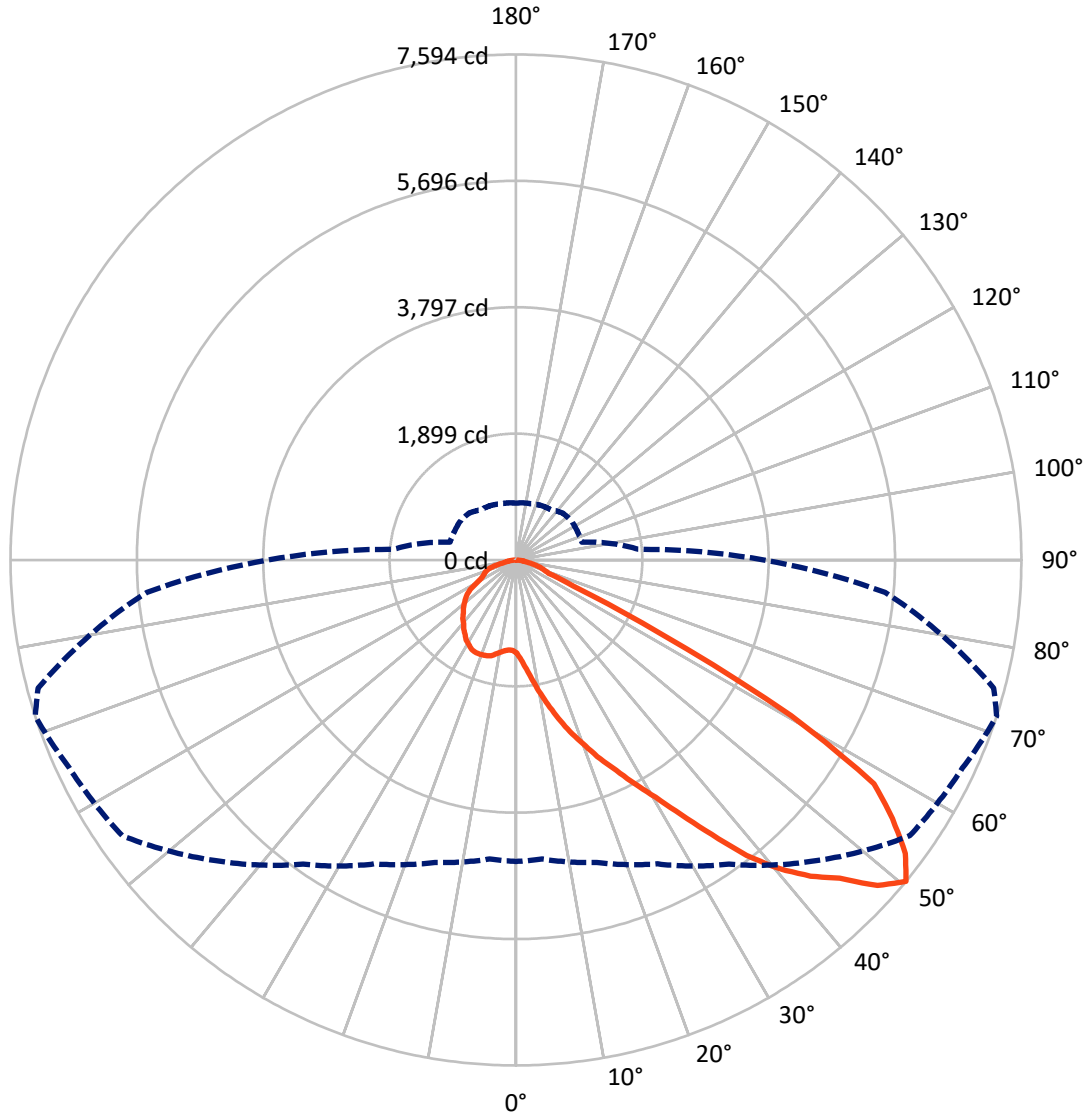
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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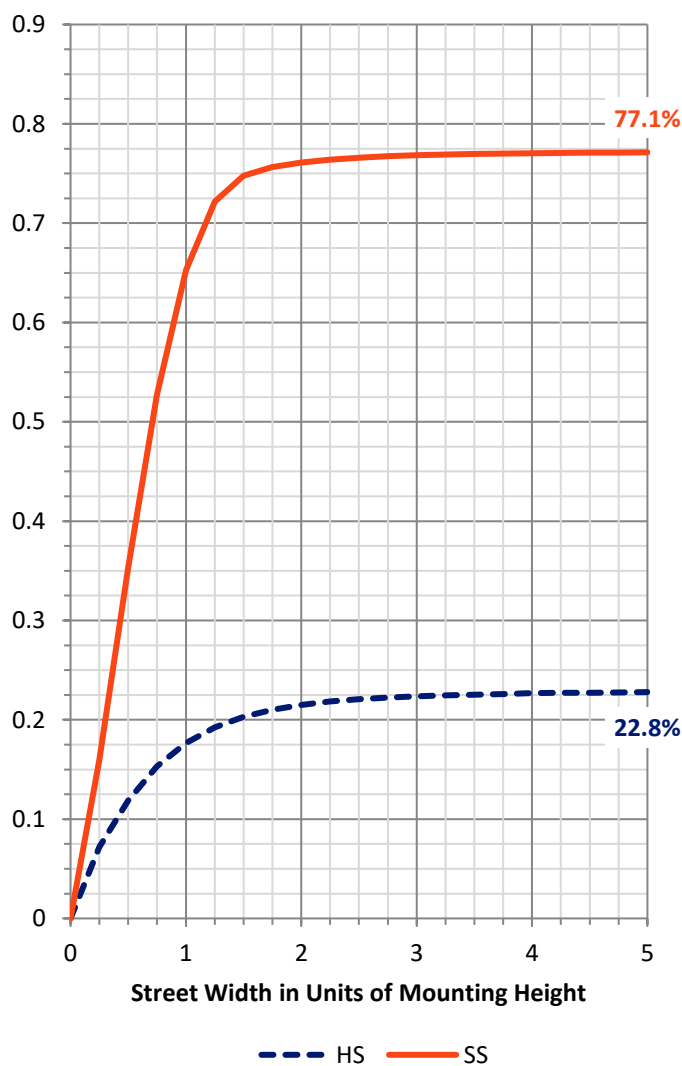
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2298.6	0.0	2298.6
	% Fixture	22.9	0.0	22.9
<b>Street Side</b>	Lumens	7734.4	0.0	7734.4
	% Fixture	77.1	0.0	77.1
<b>Total</b>	Lumens	10033.0	0.0	10033.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.3	1.6
10°-20°	614.2	6.1
20°-30°	1190.8	11.9
30°-40°	1972.7	19.7
40°-50°	2760.3	27.5
50°-60°	2328.7	23.2
60°-70°	709.8	7.1
70°-80°	249.0	2.5
80°-90°	43.3	0.4
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°	10033.0	100.0
0°-180°	10033.0	100.0

**Coefficient of Utilization**

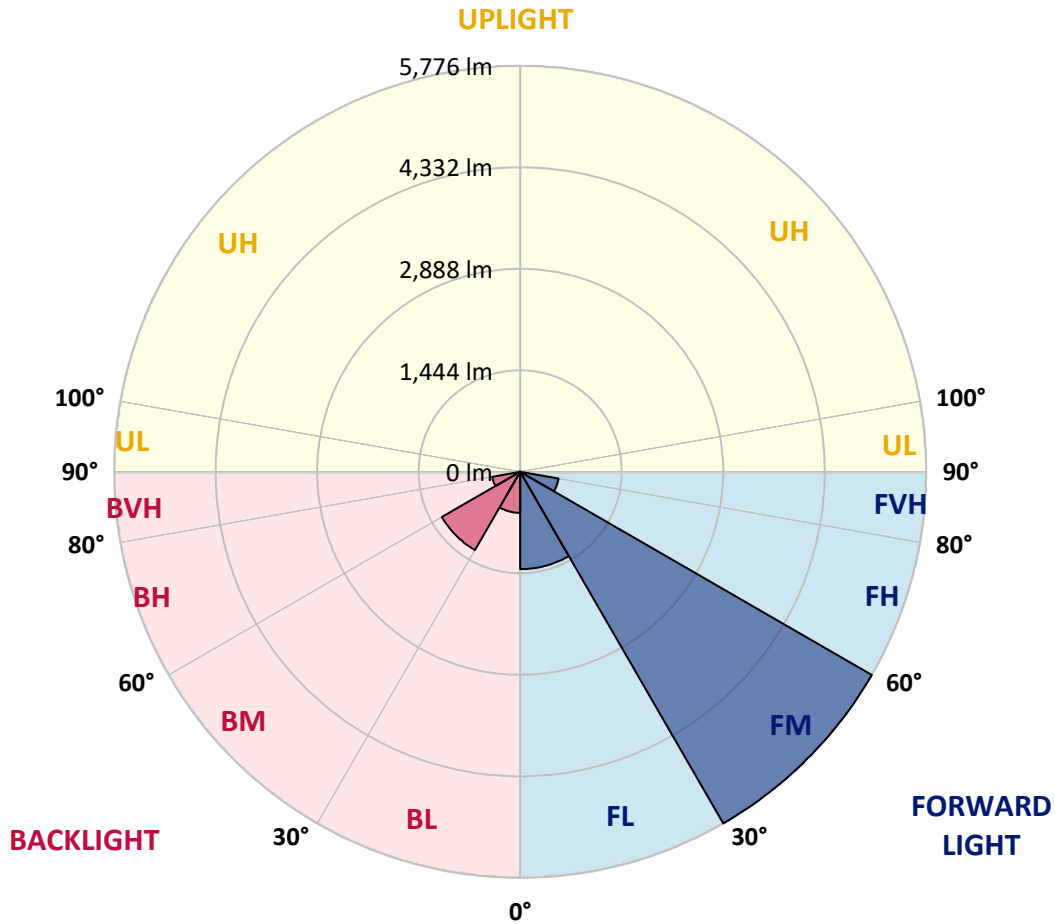


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1384.9	13.8			
FM (30°-60°)	5776.3	57.6			
FH (60°-80°)	553.8	5.5			G0/660
FVH (80°-90°)	19.4	0.2			G1/100
BL (0°-30°)	584.3	5.8	B2/1000		
BM (30°-60°)	1285.4	12.8	B2/2500		
BH (60°-80°)	405.0	4.0	B1/500		G1/500
BVH (80°-90°)	23.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7
2.5°	1796.4	1785.3	1751.7	1740.6	1700.8	1628.8	1604.0	1530.8	1499.7	1471.2	1437.6
5°	2271.9	2219.8	2216.1	2152.7	2060.9	2007.5	1848.6	1741.8	1643.7	1594.1	1502.2
7.5°	2574.9	2576.1	2576.1	2524.0	2450.7	2315.4	2172.6	1980.2	1832.4	1759.2	1602.8
10°	2862.9	2838.1	2824.4	2819.4	2769.8	2638.2	2485.5	2247.1	2044.7	1959.1	1678.5
12.5°	3066.5	3045.4	3076.4	3060.3	3024.3	2938.6	2794.6	2522.7	2269.4	2154.0	1800.2
15°	3163.3	3178.2	3203.1	3247.7	3231.6	3199.3	3040.4	2805.8	2511.5	2381.2	1908.2
17.5°	3312.3	3271.3	3301.1	3357.0	3401.7	3386.8	3296.2	3010.6	2751.1	2591.0	2053.4
20°	3416.6	3393.0	3407.9	3472.5	3506.0	3590.4	3543.2	3278.8	2980.8	2812.0	2224.8
22.5°	3714.5	3679.8	3631.4	3641.3	3653.7	3713.3	3724.5	3573.0	3247.7	3069.0	2387.4
25°	4082.0	4049.7	3992.6	3934.3	3898.3	3887.1	3925.6	3803.9	3503.5	3318.5	2562.4
27.5°	4486.8	4432.1	4396.1	4275.7	4178.9	4164.0	4145.3	4079.5	3806.4	3606.5	2759.8
30°	4880.3	4836.9	4788.4	4596.0	4495.4	4479.3	4387.4	4406.1	4135.4	3913.2	2983.3
32.5°	5178.3	5182.0	5071.5	4926.2	4831.9	4746.2	4712.7	4766.1	4557.5	4378.7	3232.8
35°	5419.1	5430.3	5324.8	5193.2	5091.4	5151.0	5136.1	5160.9	5061.6	4843.1	3523.4
37.5°	5653.8	5597.9	5484.9	5421.6	5368.2	5466.3	5592.9	5614.0	5632.7	5375.7	3861.0
40°	5692.2	5697.2	5631.4	5676.1	5609.1	5756.8	6051.0	6023.7	6099.5	5874.7	4227.3
42.5°	5637.6	5648.8	5674.9	5738.2	5899.6	6077.1	6514.1	6402.4	6494.2	6294.4	4583.6
45°	5548.2	5502.3	5534.6	5775.4	6054.8	6449.6	6937.5	6850.6	6820.8	6653.2	5008.2
47.5°	5121.2	5168.3	5268.9	5565.6	5985.2	6514.1	7237.9	7218.0	7307.4	7189.5	5394.3
50°	4529.0	4510.3	4704.0	5038.0	5579.3	6387.5	7221.8	7401.8	7594.2	7430.3	5566.9
52.5°	3391.8	3491.1	3657.4	4072.1	4844.3	5697.2	6869.2	7169.6	7326.0	7291.3	5427.8
55°	2144.1	2173.9	2274.4	2767.3	3462.5	4572.4	5888.4	6584.9	6864.2	6994.6	5299.9
57.5°	1041.6	985.7	1108.7	1504.7	2000.0	3075.2	4541.4	5735.7	6342.8	6578.7	5021.8
60°	543.8	564.9	613.3	754.8	1034.2	1596.6	2830.6	3822.6	4750.0	5112.5	3806.4
62.5°	450.7	458.1	490.4	561.2	687.8	918.7	1445.1	1863.5	2422.2	2748.7	2165.2
65°	382.4	386.1	420.9	468.0	548.7	646.8	743.7	778.4	942.3	967.1	769.7
67.5°	319.1	322.8	360.0	404.7	456.9	482.9	507.8	505.3	523.9	516.5	515.2
70°	245.8	249.5	288.0	335.2	361.3	346.4	423.3	440.7	448.2	454.4	464.3
72.5°	177.5	185.0	214.8	248.3	234.6	269.4	348.9	374.9	384.9	388.6	401.0
75°	129.1	131.6	139.0	129.1	149.0	187.5	245.8	278.1	290.5	294.2	312.9
77.5°	57.1	58.4	59.6	74.5	95.6	116.7	146.5	172.6	189.9	194.9	199.9
80°	29.8	31.0	38.5	50.9	68.3	85.7	106.8	121.7	132.8	134.1	139.0
82.5°	18.6	19.9	27.3	36.0	48.4	63.3	78.2	90.6	99.3	100.6	101.8
85°	8.7	11.2	16.1	22.3	32.3	41.0	42.2	36.0	38.5	39.7	37.2
87.5°	2.5	3.7	5.0	3.7	5.0	5.0	6.2	7.4	7.4	7.4	8.7
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°	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7
2.5°	1419.0	1407.9	1364.4	1348.3	1306.1	1313.5	1291.2	1289.9	1284.9	1283.7	1282.5
5°	1453.8	1419.0	1366.9	1327.2	1303.6	1301.1	1284.9	1284.9	1289.9	1293.6	1284.9
7.5°	1510.9	1471.2	1383.0	1345.8	1324.7	1320.9	1309.8	1301.1	1312.3	1308.5	1298.6
10°	1576.7	1507.2	1414.1	1381.8	1347.0	1338.3	1338.3	1342.1	1323.4	1329.6	1319.7
12.5°	1649.9	1556.8	1453.8	1416.5	1375.6	1370.6	1368.1	1340.8	1350.7	1345.8	1320.9
15°	1743.1	1613.9	1504.7	1441.4	1406.6	1384.3	1352.0	1347.0	1340.8	1328.4	1317.2
17.5°	1843.6	1676.0	1528.3	1448.8	1396.7	1380.5	1355.7	1329.6	1311.0	1313.5	1304.8
20°	1929.3	1733.1	1537.0	1456.3	1389.2	1358.2	1319.7	1303.6	1283.7	1282.5	1281.2
22.5°	2031.1	1810.1	1549.4	1436.4	1366.9	1334.6	1308.5	1280.0	1266.3	1248.9	1257.6
25°	2152.7	1839.9	1551.9	1425.2	1350.7	1293.6	1280.0	1248.9	1244.0	1219.1	1224.1
27.5°	2240.9	1856.0	1532.0	1390.5	1313.5	1270.0	1245.2	1222.9	1214.2	1195.6	1190.6
30°	2358.8	1880.9	1489.8	1347.0	1276.3	1227.8	1212.9	1208.0	1183.1	1163.3	1160.8
32.5°	2492.9	1897.0	1462.5	1302.3	1237.8	1200.5	1208.0	1184.4	1153.3	1136.0	1131.0
35°	2599.7	1903.2	1394.2	1251.4	1211.7	1188.1	1179.4	1174.5	1129.8	1113.6	1101.2
37.5°	2762.3	1889.6	1337.1	1215.4	1183.1	1174.5	1167.0	1133.5	1082.6	1059.0	1041.6
40°	2952.3	1885.8	1263.8	1164.5	1155.8	1165.8	1143.4	1091.3	1020.5	994.4	982.0
42.5°	3134.8	1911.9	1217.9	1137.2	1126.0	1129.8	1098.7	1020.5	985.7	970.8	951.0
45°	3440.2	1966.5	1142.2	1095.0	1090.0	1087.5	1050.3	968.4	948.5	929.9	926.2
47.5°	3715.8	1930.5	1093.8	1051.5	1056.5	1042.9	963.4	937.3	915.0	896.4	890.2
50°	3731.9	1844.9	1025.5	1018.0	1019.3	995.7	919.9	902.6	874.0	861.6	852.9
52.5°	3647.5	1704.6	962.2	964.6	968.4	929.9	866.6	854.1	830.6	813.2	808.2
55°	3410.4	1486.1	900.1	910.0	919.9	846.7	826.8	795.8	777.2	752.3	753.6
57.5°	3004.4	1196.8	813.2	829.3	850.4	769.7	754.8	716.3	689.0	669.2	666.7
60°	2013.7	851.7	682.8	689.0	736.2	703.9	702.7	664.2	627.0	609.6	599.6
62.5°	1188.1	650.5	589.7	583.5	582.3	600.9	631.9	618.3	569.8	536.3	546.3
65°	622.0	562.4	548.7	527.6	515.2	510.3	533.8	540.0	507.8	471.8	469.3
67.5°	522.7	522.7	511.5	504.0	486.7	465.6	450.7	430.8	425.8	415.9	403.5
70°	475.5	487.9	484.2	466.8	451.9	428.3	389.8	357.5	326.5	315.3	322.8
72.5°	414.7	427.1	427.1	418.4	398.5	362.5	325.3	288.0	262.0	242.1	239.6
75°	319.1	325.3	340.2	330.2	304.2	281.8	243.3	204.8	180.0	161.4	157.7
77.5°	203.6	213.5	213.5	212.3	193.7	172.6	147.7	120.4	101.8	88.1	84.4
80°	135.3	141.5	146.5	141.5	129.1	113.0	94.4	75.7	62.1	50.9	48.4
82.5°	99.3	106.8	110.5	105.5	93.1	80.7	67.0	53.4	39.7	31.0	28.6
85°	38.5	39.7	44.7	53.4	52.1	50.9	41.0	29.8	22.3	16.1	14.9
87.5°	9.9	8.7	9.9	9.9	8.7	7.4	7.4	7.4	7.4	3.7	5.0
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)