

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: P527463

Luminaire Tested: **GLAN-SA2C-727-U-T3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527463  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2C-727-U-T3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7061 lumens  
Efficiency: N/A  
Efficacy: 65.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

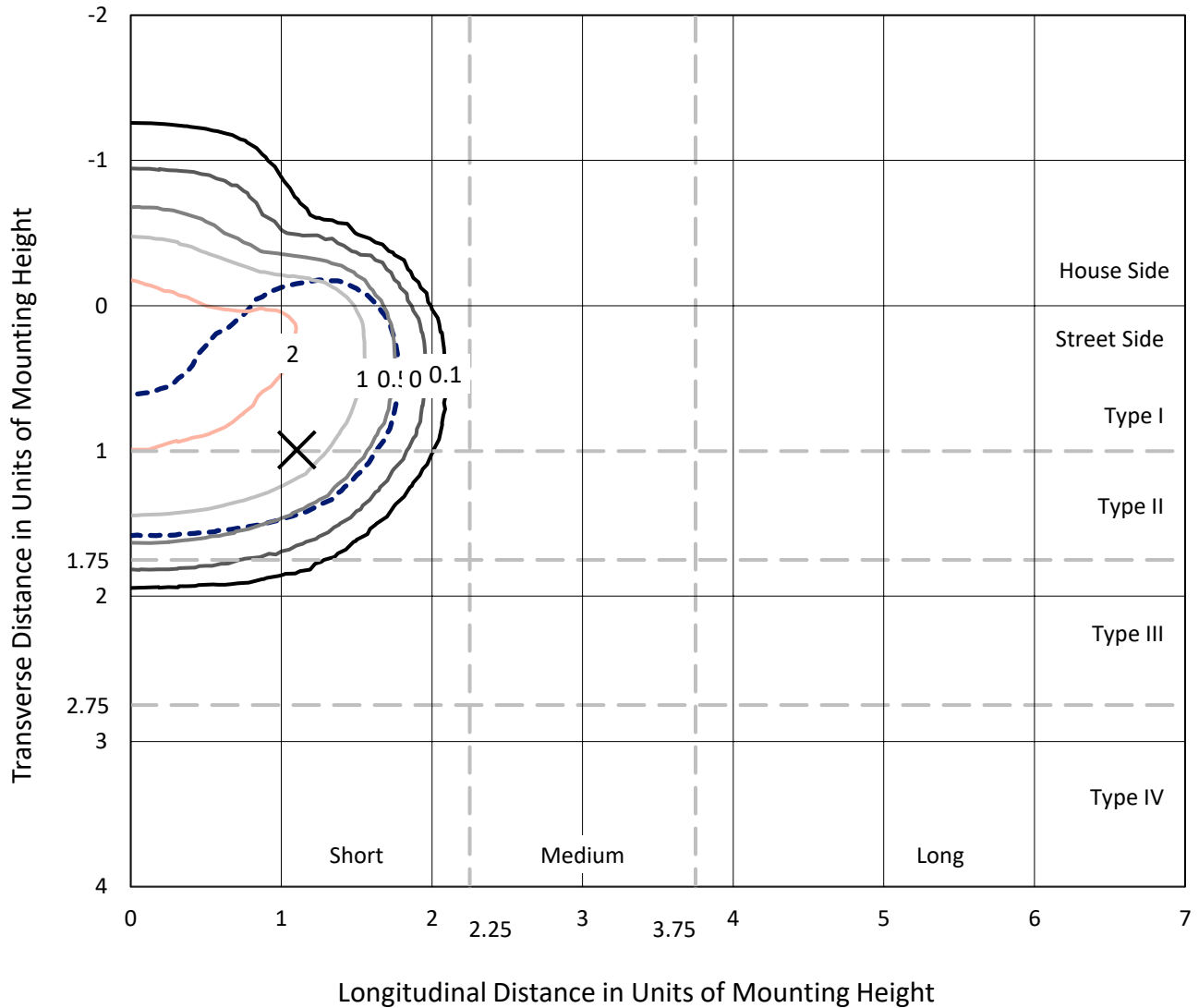
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P527463  
 CATALOG NUMBER: GLAN-SA2C-727-U-T3-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

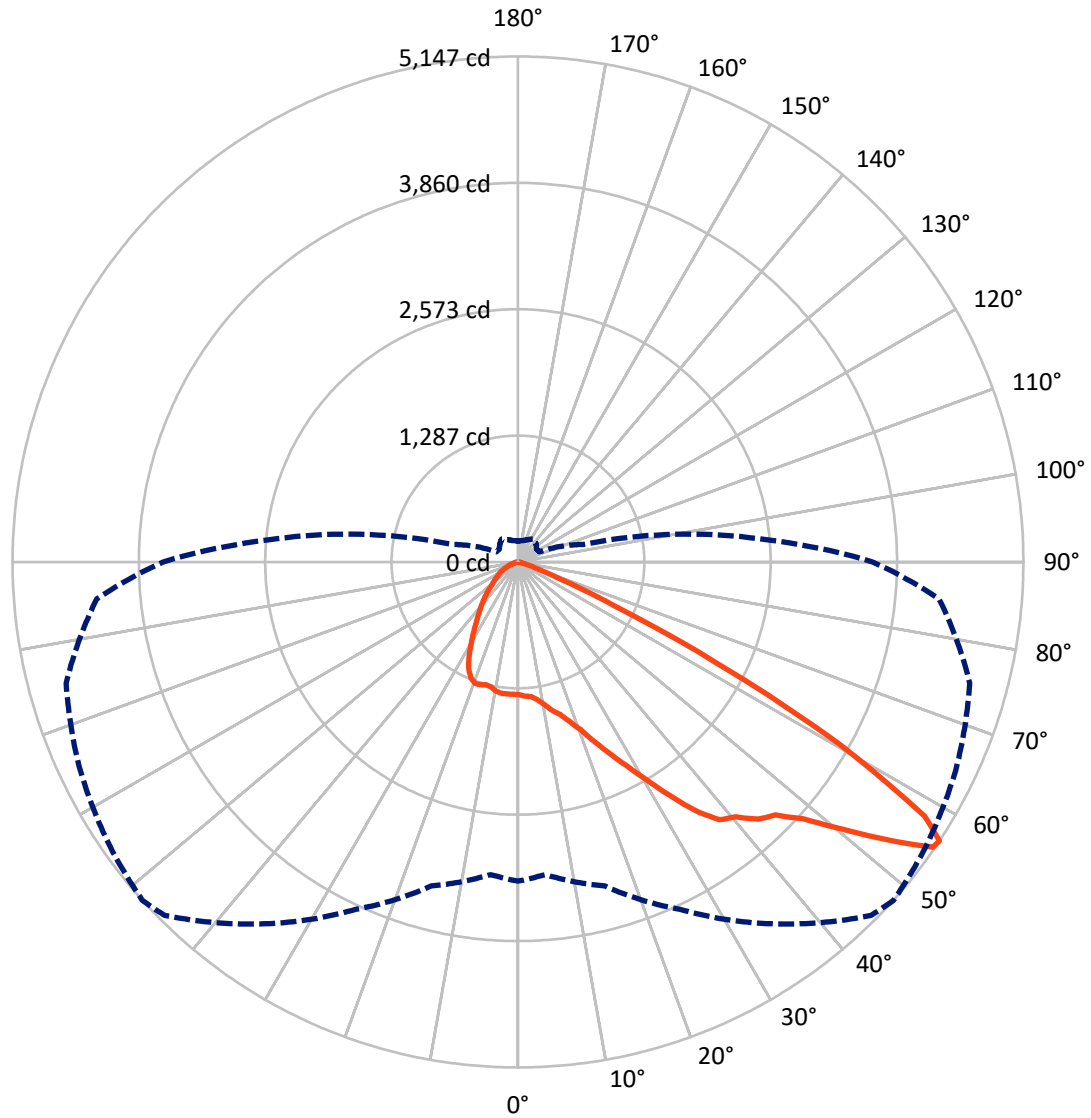
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P527463  
CATALOG NUMBER: GLAN-SA2C-727-U-T3-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P527463  
 CATALOG NUMBER: GLAN-SA2C-727-U-T3-GRSBK

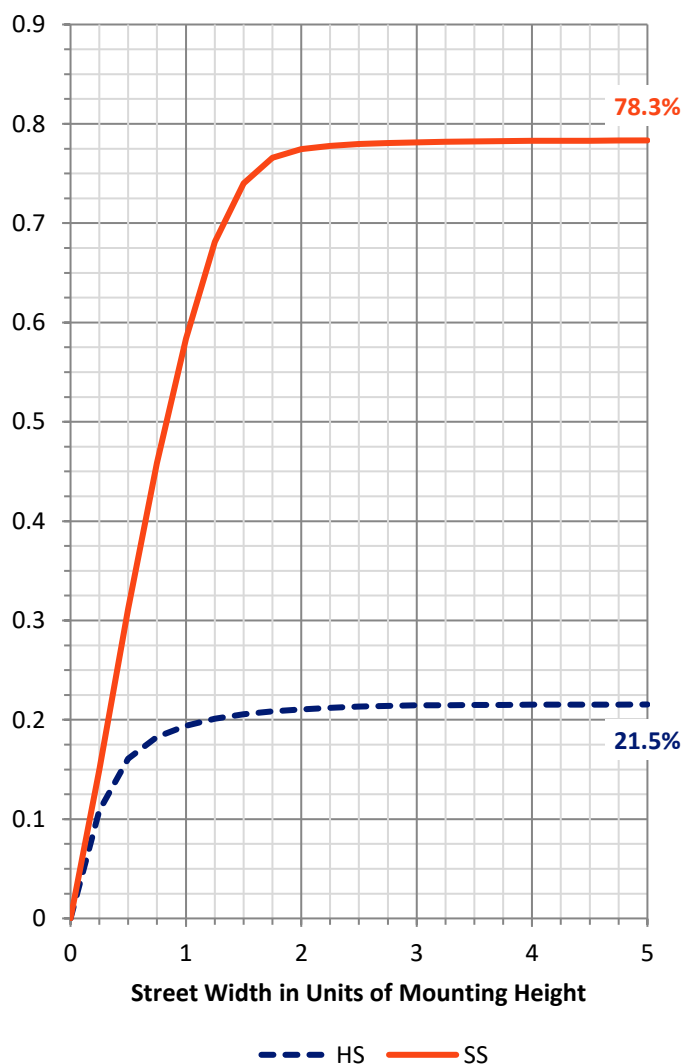
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1535.6	0.0	1535.6
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	5525.4	0.0	5525.4
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	7061.0	0.0	7061.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.4	1.9
10°-20°	419.8	5.9
20°-30°	761.5	10.8
30°-40°	1196.2	16.9
40°-50°	1745.0	24.7
50°-60°	2102.4	29.8
60°-70°	615.6	8.7
70°-80°	78.1	1.1
80°-90°	11.0	0.2
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°	7061.0	100.0
0°-180°	7061.0	100.0

**Coefficient of Utilization**

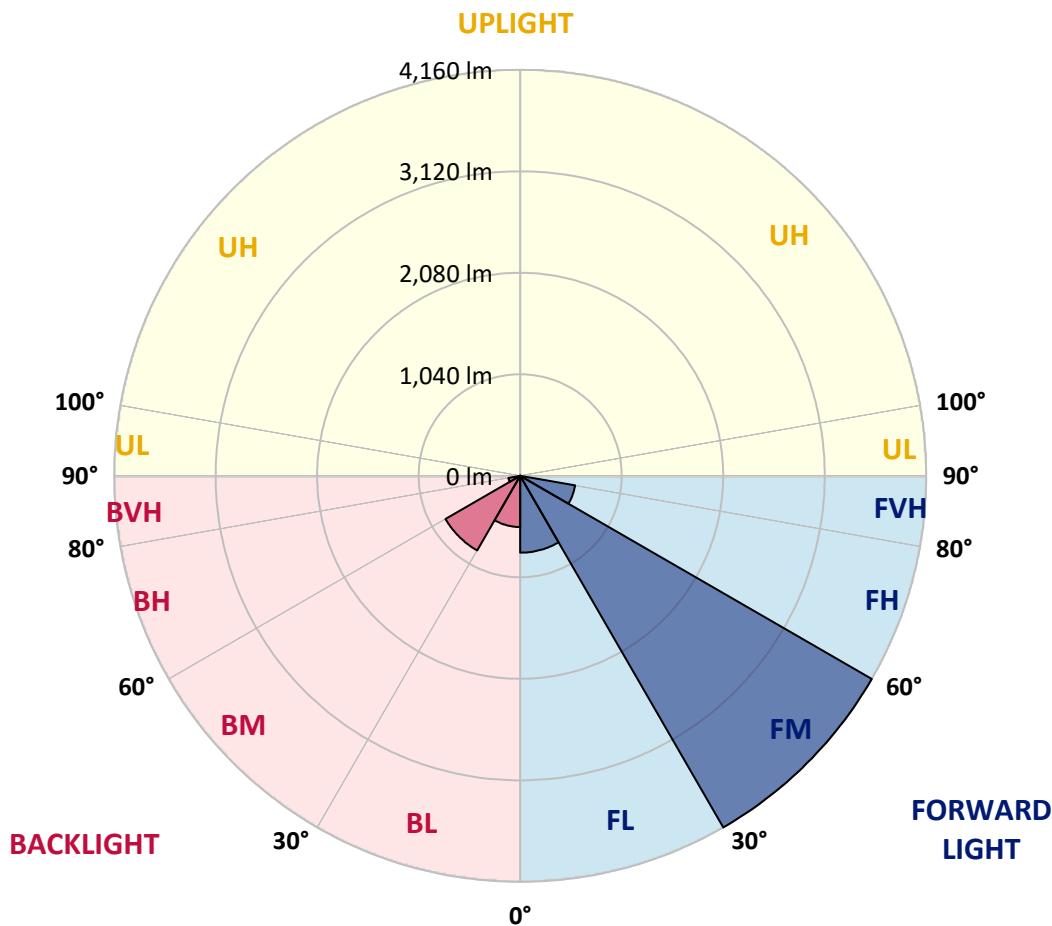


REPORT NUMBER: P527463  
 CATALOG NUMBER: GLAN-SA2C-727-U-T3-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	787.9	11.2			
FM (30°-60°)	4160.4	58.9			
FH (60°-80°)	571.6	8.1			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	524.9	7.4	B2/1000		
BM (30°-60°)	883.3	12.5	B1/1000		
BH (60°-80°)	122.0	1.7	B1/500		G1/500
BVH (80°-90°)	5.5	0.1			G0/10
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





REPORT NUMBER: P527463

CATALOG NUMBER: GLAN-SA2C-727-U-T3-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7
2.5°	1373.1	1366.7	1366.7	1356.4	1367.9	1362.8	1366.7	1353.8	1366.7	1347.4	1362.8
5°	1379.5	1380.8	1375.7	1382.1	1382.1	1389.8	1376.9	1388.5	1394.9	1380.8	1374.4
7.5°	1412.9	1415.5	1414.2	1409.1	1419.4	1418.1	1416.8	1407.8	1410.4	1405.2	1397.5
10°	1478.5	1477.2	1483.6	1470.8	1463.1	1472.1	1474.6	1460.5	1450.2	1446.4	1421.9
12.5°	1573.6	1558.2	1549.2	1536.4	1540.2	1527.4	1550.5	1526.1	1520.9	1497.8	1473.4
15°	1650.8	1648.2	1649.5	1628.9	1605.8	1610.9	1610.9	1598.1	1590.4	1562.1	1527.4
17.5°	1808.9	1754.9	1766.5	1740.8	1721.5	1720.2	1708.6	1711.2	1690.6	1631.5	1578.8
20°	1932.3	1909.2	1891.2	1847.5	1817.9	1826.9	1821.8	1808.9	1802.5	1725.4	1650.8
22.5°	2042.9	2050.6	2021.1	2009.5	1968.3	1972.2	1982.5	1970.9	1922.1	1842.3	1731.8
25°	2198.5	2189.5	2149.6	2135.5	2096.9	2111.0	2150.9	2141.9	2111.0	1967.1	1794.8
27.5°	2382.3	2351.5	2359.2	2294.9	2257.6	2297.5	2345.0	2390.0	2302.6	2113.6	1869.3
30°	2512.2	2480.0	2477.5	2474.9	2465.9	2512.2	2567.5	2608.6	2537.9	2260.2	1992.8
32.5°	2576.5	2584.2	2606.0	2598.3	2676.7	2771.9	2829.7	2888.9	2800.2	2499.3	2156.0
35°	2747.4	2698.6	2747.4	2752.6	2833.6	3035.4	3108.7	3250.1	3228.3	2837.4	2355.3
37.5°	2847.7	2843.9	2850.3	2899.2	2977.6	3227.0	3331.1	3440.4	3399.3	3040.6	2603.5
40°	3013.6	3023.9	3022.6	3059.9	3146.0	3371.0	3413.4	3502.1	3506.0	3322.1	2968.6
42.5°	3279.7	3238.6	3211.6	3250.1	3371.0	3495.7	3580.6	3562.6	3689.8	3664.1	3437.8
45°	3518.8	3543.3	3503.4	3567.7	3611.4	3678.3	3675.7	3714.3	3876.3	3998.4	3791.4
47.5°	3742.5	3758.0	3777.3	3821.0	3916.1	3926.4	3904.5	3887.8	4111.5	4237.5	4065.2
50°	3876.3	3890.4	3980.4	4058.8	4236.2	4259.4	4272.2	4229.8	4381.5	4395.7	4323.7
52.5°	3840.3	3855.7	3981.7	4240.1	4522.9	4735.1	4696.5	4624.5	4615.5	4670.8	4562.8
55°	3521.4	3507.3	3680.8	4083.2	4612.9	5122.1	5127.2	5051.3	4906.1	4868.8	4526.8
56°	3250.1	3194.9	3416.0	3902.0	4497.2	5088.6	5146.5	5065.5	4929.2	4762.1	4304.4
57.5°	2662.6	2715.3	2935.2	3337.6	4097.4	4848.2	4881.6	4862.4	4759.5	4479.2	3787.5
60°	1468.2	1560.8	1754.9	2247.3	2917.2	3720.7	3747.7	3904.5	3923.8	3430.1	2606.0
62.5°	623.5	613.3	815.1	1177.7	1661.1	2246.0	2296.2	2456.9	2486.5	1977.3	1307.5
65°	253.3	267.4	369.0	592.7	878.1	1023.4	1094.1	1146.8	1244.5	816.4	482.1
67.5°	167.1	165.8	217.3	338.1	473.1	456.4	456.4	482.1	446.1	333.0	208.3
70°	119.6	123.4	155.6	234.0	294.4	218.6	209.6	200.6	227.6	219.8	168.4
72.5°	78.4	83.6	104.1	140.1	153.0	119.6	119.6	144.0	187.7	177.4	137.6
75°	51.4	52.7	64.3	81.0	75.9	61.7	68.1	96.4	136.3	131.1	97.7
77.5°	34.7	36.0	43.7	52.7	42.4	34.7	37.3	48.9	66.9	66.9	51.4
80°	12.9	14.1	18.0	16.7	19.3	24.4	27.0	33.4	39.9	39.9	34.7
82.5°	0.0	1.3	3.9	9.0	14.1	19.3	21.9	25.7	29.6	33.4	32.1
85°	0.0	1.3	3.9	6.4	10.3	11.6	12.9	9.0	7.7	7.7	6.4
87.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.6	1.3	1.3
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: P527463

CATALOG NUMBER: GLAN-SA2C-727-U-T3-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7
2.5°	1348.7	1347.4	1347.4	1343.5	1351.2	1347.4	1349.9	1348.7	1331.9	1344.8	1335.8
5°	1362.8	1371.8	1357.7	1355.1	1344.8	1348.7	1348.7	1335.8	1347.4	1346.1	1343.5
7.5°	1398.8	1383.4	1367.9	1352.5	1349.9	1346.1	1331.9	1326.8	1335.8	1325.5	1340.9
10°	1414.2	1416.8	1393.7	1373.1	1353.8	1326.8	1307.5	1295.9	1281.8	1297.2	1306.2
12.5°	1484.9	1459.2	1419.4	1387.2	1321.7	1294.7	1275.4	1270.2	1294.7	1299.8	1290.8
15°	1509.4	1505.5	1454.1	1382.1	1313.9	1281.8	1285.7	1275.4	1277.9	1265.1	1267.7
17.5°	1559.5	1515.8	1455.4	1365.4	1312.7	1304.9	1281.8	1240.7	1217.5	1207.2	1216.2
20°	1614.8	1572.4	1484.9	1371.8	1324.2	1303.7	1227.8	1177.7	1130.1	1104.4	1105.7
22.5°	1663.6	1610.9	1472.1	1374.4	1334.5	1249.7	1158.4	1059.4	1000.2	960.4	961.7
25°	1722.8	1648.2	1477.2	1379.5	1307.5	1163.5	1032.4	936.0	865.2	838.2	847.2
27.5°	1756.2	1671.4	1505.5	1391.1	1236.8	1041.4	900.0	810.0	768.8	756.0	754.7
30°	1856.5	1722.8	1540.2	1367.9	1118.5	910.2	779.1	723.8	684.0	672.4	675.0
32.5°	2005.6	1816.6	1585.2	1307.5	997.7	793.3	700.7	659.5	622.3	600.4	597.8
35°	2130.3	1977.3	1632.8	1213.7	857.5	703.3	645.4	594.0	537.4	513.0	506.5
37.5°	2368.2	2158.6	1622.5	1072.2	723.8	636.4	586.3	523.3	474.4	441.0	437.1
40°	2684.5	2370.8	1572.4	900.0	624.8	577.3	523.3	462.8	402.4	374.1	371.6
42.5°	3068.9	2630.5	1481.1	725.1	525.8	518.1	469.3	399.8	345.8	325.3	326.6
45°	3381.3	2852.9	1388.5	582.4	452.6	460.3	417.8	352.3	315.0	298.3	298.3
47.5°	3659.0	3003.3	1288.2	480.8	384.4	402.4	365.1	326.6	294.4	281.6	279.0
50°	3926.4	3156.3	1187.9	389.6	327.8	345.8	342.0	311.1	285.4	270.0	271.3
52.5°	4093.5	3180.7	1060.7	318.8	286.7	307.3	320.1	291.8	263.6	254.6	252.0
55°	3889.1	2865.7	822.8	262.3	243.0	270.0	294.4	262.3	240.4	225.0	223.7
56°	3614.0	2562.3	687.8	241.7	230.1	259.7	285.4	250.7	226.3	217.3	210.8
57.5°	3059.9	2096.9	507.8	214.7	213.4	241.7	271.3	239.1	210.8	203.1	203.1
60°	1907.9	1180.2	307.3	180.0	185.1	214.7	244.3	213.4	187.7	187.7	191.6
62.5°	869.1	491.1	186.4	153.0	159.4	185.1	217.3	192.8	178.7	192.8	195.4
65°	295.7	212.1	135.0	122.1	126.0	153.0	186.4	195.4	194.1	203.1	208.3
67.5°	165.8	136.3	113.1	101.6	99.0	113.1	153.0	195.4	187.7	183.8	186.4
70°	140.1	115.7	100.3	90.0	86.1	91.3	118.3	147.9	132.4	128.6	126.0
72.5°	113.1	96.4	87.4	81.0	69.4	59.1	54.0	56.6	63.0	66.9	73.3
75°	79.7	73.3	73.3	65.6	50.1	37.3	29.6	24.4	16.7	11.6	12.9
77.5°	45.0	45.0	46.3	39.9	32.1	24.4	18.0	12.9	6.4	2.6	1.3
80°	30.9	33.4	36.0	32.1	27.0	21.9	15.4	9.0	3.9	0.0	0.0
82.5°	30.9	34.7	37.3	32.1	27.0	20.6	15.4	9.0	3.9	1.3	0.0
85°	6.4	7.7	9.0	10.3	15.4	15.4	11.6	7.7	3.9	1.3	0.0
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
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)