

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: P317405

Luminaire Tested: **GAN-SA1C-730-U-T2R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317405  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1C-730-U-T2R  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7027 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

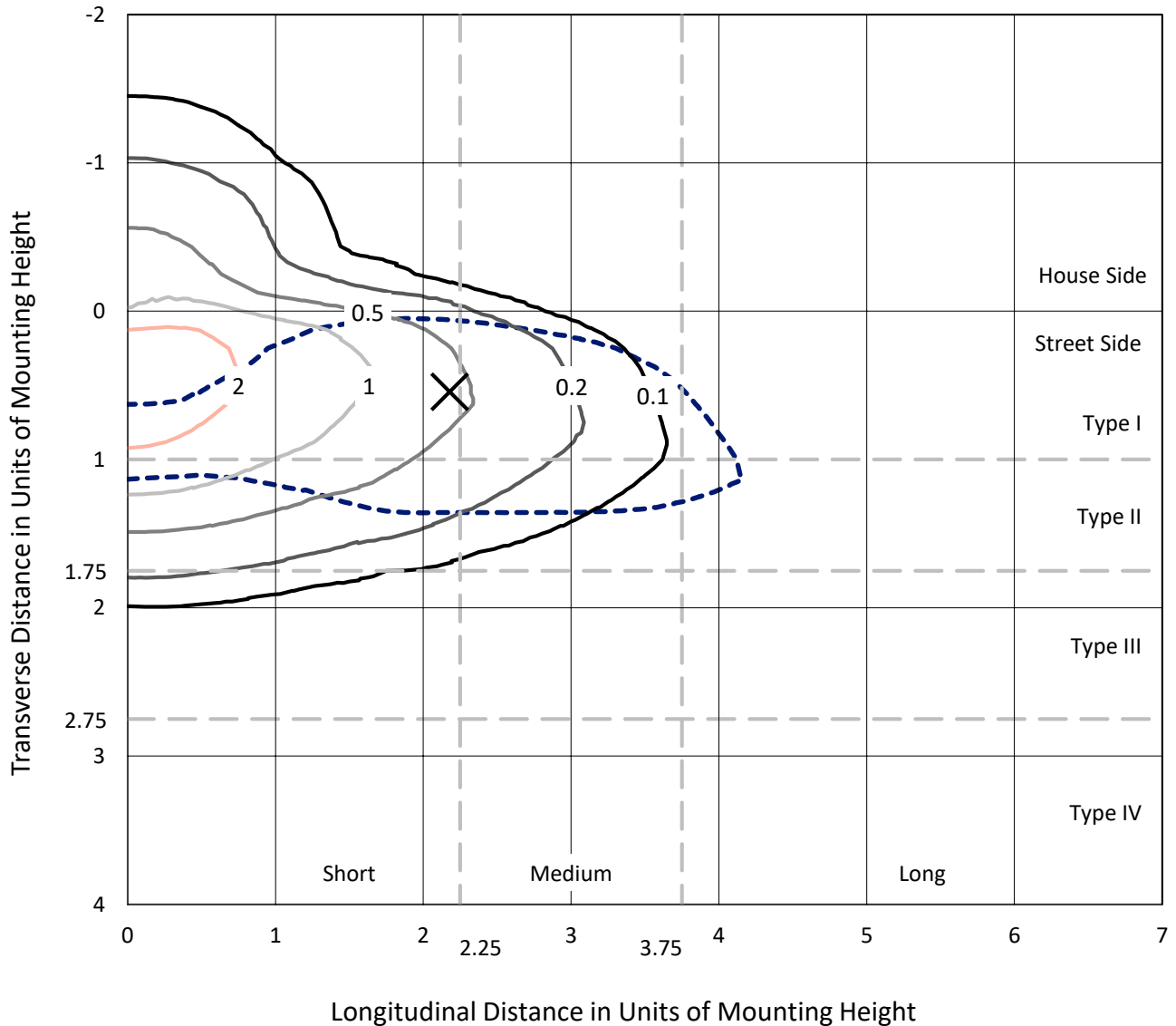
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

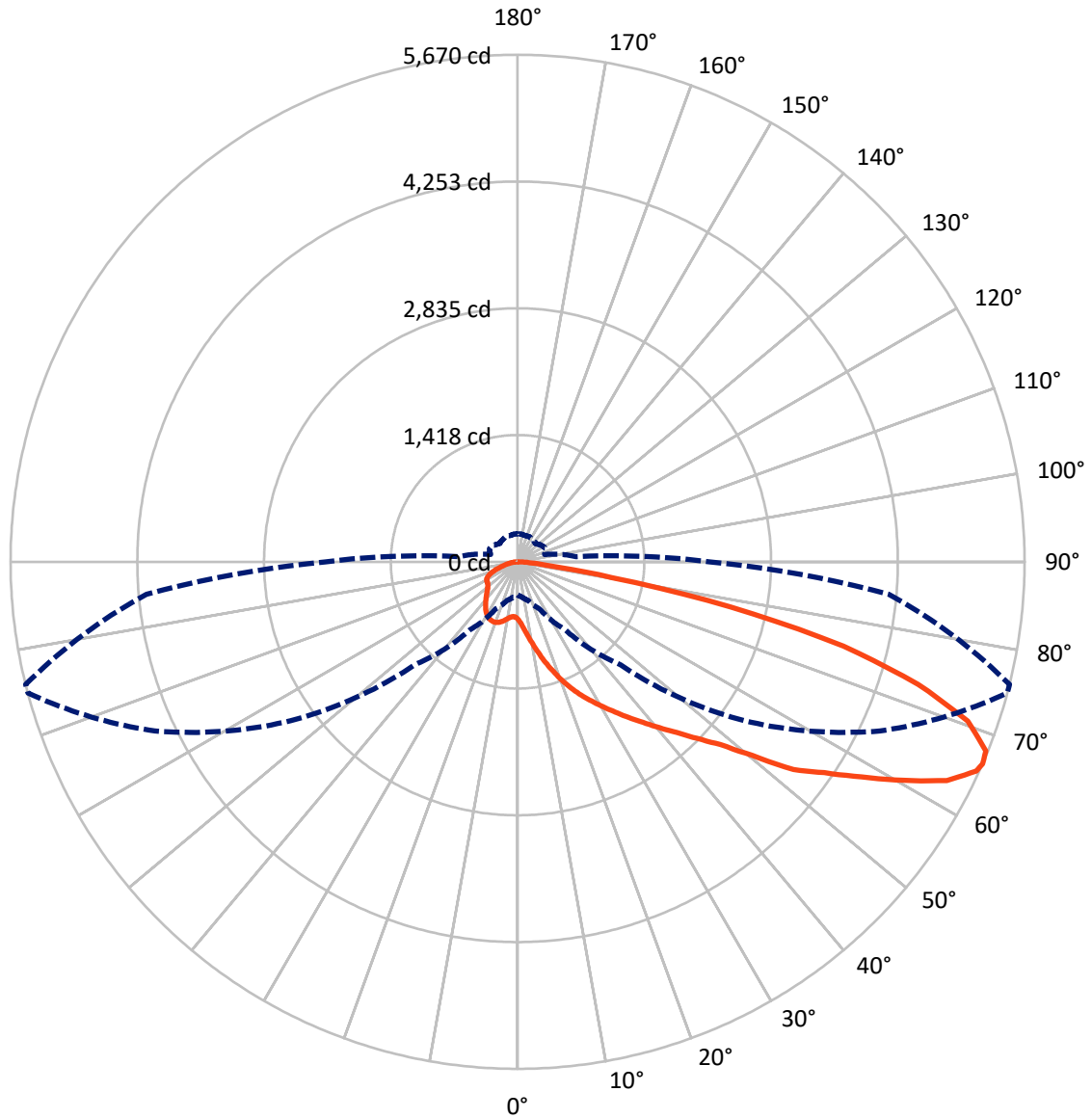
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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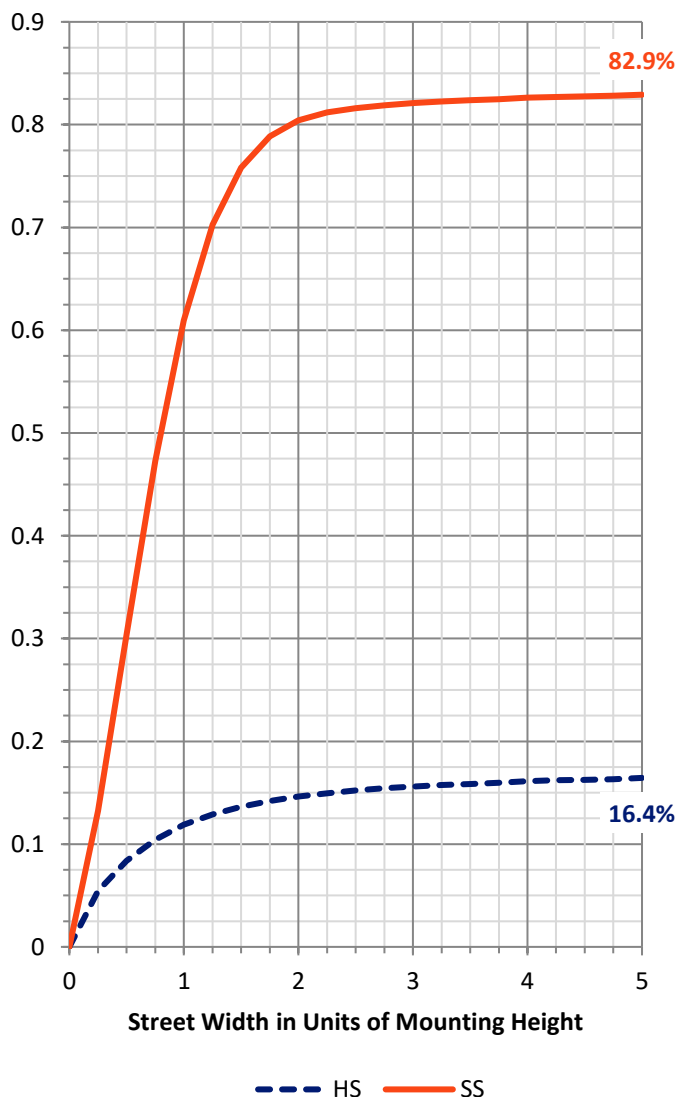
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1182.4	0.0	1182.4
	% Fixture	16.8	0.0	16.8
<b>Street Side</b>	Lumens	5844.6	0.0	5844.6
	% Fixture	83.2	0.0	83.2
<b>Total</b>	Lumens	7027.0	0.0	7027.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.6	1.1
10°-20°	306.4	4.4
20°-30°	595.5	8.5
30°-40°	972.0	13.8
40°-50°	1328.0	18.9
50°-60°	1546.8	22.0
60°-70°	1386.7	19.7
70°-80°	700.8	10.0
80°-90°	113.2	1.6
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°	7027.0	100.0
0°-180°	7027.0	100.0

**Coefficient of Utilization**

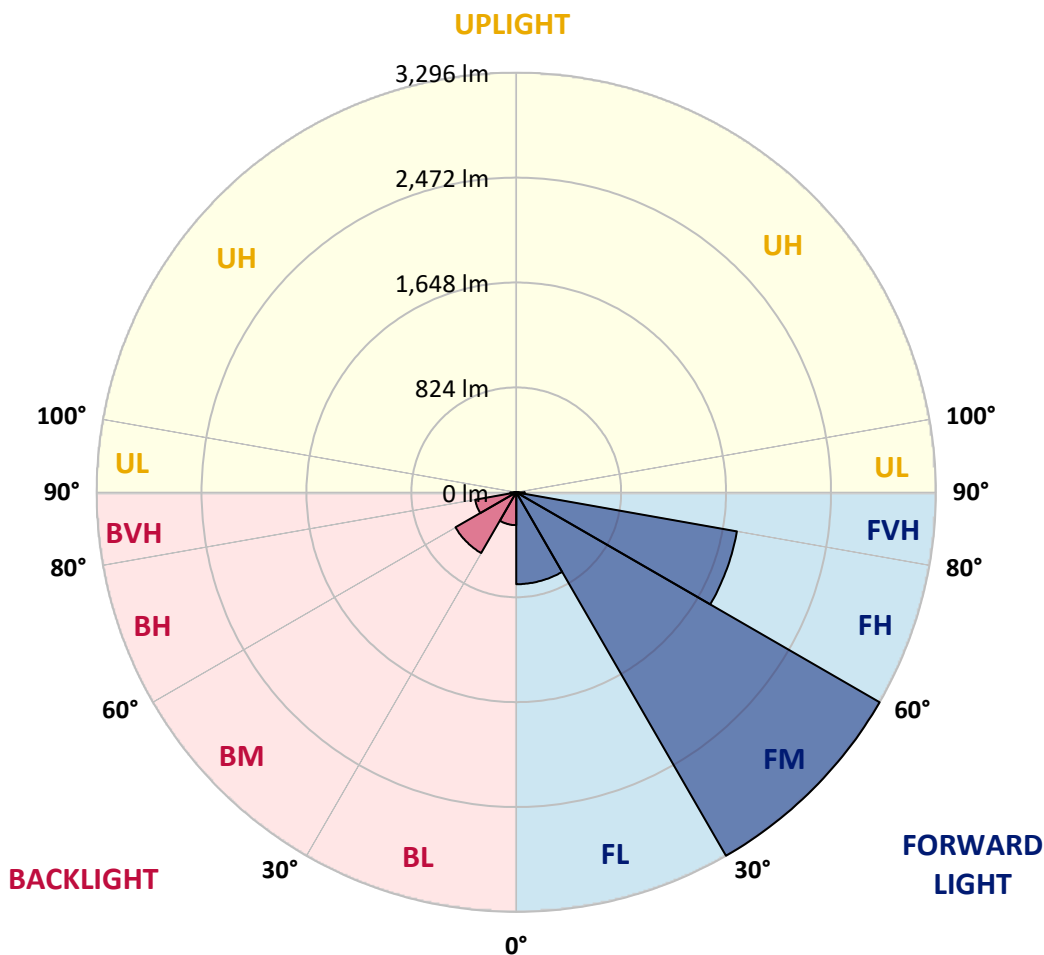


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	721.7	10.3			
FM (30°-60°)	3296.1	46.9			
FH (60°-80°)	1760.0	25.0			G1/1800
FVH (80°-90°)	66.8	1.0			G1/100
BL (0°-30°)	257.9	3.7	B1/500		
BM (30°-60°)	550.6	7.8	B1/1000		
BH (60°-80°)	327.6	4.7	B1/500		G1/500
BVH (80°-90°)	46.3	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	641.7	641.7	641.7	641.7	641.7	641.7	641.7	641.7	641.7	641.7	641.7
2.5°	851.9	839.0	837.8	819.0	814.7	778.7	752.2	724.5	693.0	686.8	662.0
5°	1094.3	1093.1	1076.6	1045.8	1021.7	960.2	899.4	835.0	764.3	752.9	697.1
7.5°	1312.3	1310.4	1297.8	1264.6	1229.8	1154.1	1067.3	968.5	854.0	837.1	744.5
10°	1477.9	1477.2	1472.9	1448.5	1418.9	1346.4	1250.5	1115.7	958.3	935.2	803.9
12.5°	1605.7	1607.2	1610.0	1601.4	1587.4	1525.6	1427.3	1271.8	1069.5	1046.6	870.0
15°	1692.3	1696.6	1711.4	1723.6	1731.0	1693.1	1597.9	1431.4	1194.0	1166.6	943.3
17.5°	1736.0	1740.8	1766.3	1803.0	1836.9	1833.1	1757.5	1583.6	1313.5	1287.0	1022.0
20°	1773.7	1777.3	1805.9	1850.0	1909.9	1936.4	1893.9	1730.0	1444.5	1413.0	1105.5
22.5°	1882.9	1887.5	1896.1	1921.1	1974.1	2022.7	2002.2	1868.6	1564.5	1535.1	1184.7
25°	2093.8	2099.3	2080.7	2059.5	2069.5	2103.4	2107.2	1995.1	1686.1	1653.0	1269.8
27.5°	2347.9	2355.8	2324.0	2269.4	2221.7	2208.6	2204.0	2098.6	1802.3	1763.9	1354.1
30°	2596.7	2610.3	2569.0	2498.2	2410.6	2349.1	2303.5	2200.0	1916.8	1880.1	1433.5
32.5°	2839.8	2834.3	2774.4	2705.3	2602.7	2525.6	2415.4	2308.8	2045.6	2003.4	1512.5
35°	3006.3	3008.2	2952.6	2870.6	2772.8	2713.6	2565.2	2426.1	2177.1	2138.2	1602.2
37.5°	3148.0	3139.2	3076.2	2999.6	2915.4	2890.1	2740.6	2555.4	2319.5	2277.0	1697.6
40°	3195.3	3185.0	3143.7	3088.6	3021.1	3019.0	2934.0	2701.9	2480.5	2438.5	1805.2
42.5°	3166.6	3153.5	3136.6	3121.5	3100.8	3110.3	3115.8	2873.7	2657.5	2610.6	1929.7
45°	3060.9	3041.1	3053.1	3085.8	3130.8	3184.8	3279.9	3063.8	2855.8	2816.4	2075.9
47.5°	2898.5	2880.6	2917.8	2987.7	3110.3	3246.8	3435.2	3273.7	3092.4	3053.3	2284.2
50°	2670.0	2675.2	2728.4	2855.6	3040.9	3275.4	3626.6	3551.7	3436.4	3399.9	2568.3
52.5°	2294.9	2295.9	2445.7	2654.4	2917.8	3260.6	3732.7	3906.9	3906.2	3862.0	2838.9
55°	1946.6	1967.9	2086.4	2363.9	2718.4	3201.5	3806.9	4079.6	4214.6	4162.9	3091.0
57.5°	1606.5	1618.9	1731.2	2009.9	2433.8	3043.8	3883.0	4286.9	4570.1	4537.4	3404.5
60°	1219.5	1238.6	1354.8	1612.2	2069.7	2763.9	3890.2	4503.3	4994.9	4962.0	3754.4
62.5°	791.5	824.5	933.2	1174.4	1629.4	2361.5	3724.1	4644.7	5397.6	5385.9	4065.0
65°	454.9	479.7	555.4	741.4	1124.1	1856.2	3329.3	4590.4	5645.5	5638.8	4181.2
66°	371.7	387.2	445.2	579.5	927.5	1630.1	3099.8	4475.6	5670.1	5670.3	4167.9
67.5°	297.2	304.2	330.2	414.9	684.4	1292.0	2689.8	4222.5	5639.5	5647.9	4081.7
70°	246.0	249.5	257.6	278.2	373.6	779.1	1909.2	3564.8	5333.0	5339.4	3745.6
72.5°	220.7	222.8	225.9	228.8	263.6	435.4	1166.1	2851.7	4675.8	4684.1	3233.4
75°	199.9	201.1	200.6	200.9	221.1	277.4	602.6	2129.1	3780.7	3764.0	2477.0
77.5°	175.6	176.8	174.4	174.9	195.6	213.3	299.9	1490.5	2551.4	2433.5	1395.6
80°	148.4	149.3	148.4	150.1	170.3	161.0	174.4	838.5	1128.1	1067.1	496.2
82.5°	112.1	116.2	119.0	125.7	140.3	114.5	116.7	326.6	343.5	327.1	152.2
85°	49.1	59.9	89.7	96.1	105.4	68.7	76.6	133.1	139.8	135.5	55.3
87.5°	12.9	14.1	44.4	55.8	58.4	31.0	39.8	60.6	63.9	60.6	18.4
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°	641.7	641.7	641.7	641.7	641.7	641.7	641.7	641.7	641.7	641.7	641.7
2.5°	648.9	637.2	616.2	597.6	583.5	574.0	564.4	559.7	556.8	553.9	554.4
5°	669.6	646.0	610.0	584.5	570.2	561.1	556.3	554.4	553.2	550.4	550.4
7.5°	700.9	667.5	617.9	591.6	580.4	573.5	570.6	569.7	568.2	564.9	565.4
10°	740.2	693.5	634.3	608.8	598.5	590.9	586.9	585.4	582.8	579.0	579.5
12.5°	786.5	725.7	656.0	629.3	616.9	606.7	600.0	595.9	591.4	586.4	586.6
15°	837.1	760.8	679.4	647.7	630.7	616.4	605.7	598.8	591.6	585.4	585.2
17.5°	888.4	794.6	697.3	657.7	634.8	616.0	601.4	590.7	581.8	574.2	573.5
20°	943.7	825.2	707.3	656.8	627.2	604.7	585.4	572.1	562.3	554.6	553.5
22.5°	1000.0	853.8	709.0	647.0	610.2	582.8	562.5	547.7	537.7	529.8	527.0
25°	1051.6	876.0	702.1	628.1	586.6	557.0	537.2	522.2	514.1	504.8	501.9
27.5°	1098.6	891.5	688.2	604.0	560.1	531.0	512.4	499.5	490.7	483.6	481.2
30°	1140.8	899.8	665.6	575.4	532.9	506.5	490.7	481.9	474.3	465.2	463.5
32.5°	1180.9	899.8	636.5	544.2	506.0	484.8	475.4	470.0	461.4	452.5	450.2
35°	1220.9	894.4	602.1	511.5	481.2	469.2	468.8	462.3	449.2	437.3	434.2
37.5°	1263.2	883.1	563.5	480.9	460.9	462.3	466.4	452.1	433.5	416.5	412.0
40°	1310.9	867.6	523.4	454.5	444.0	459.2	459.9	437.3	401.0	385.5	381.5
42.5°	1366.9	852.1	486.2	431.1	430.6	449.9	447.8	405.3	383.6	375.7	373.6
45°	1440.7	843.3	450.9	408.9	420.1	434.9	427.0	387.7	378.6	374.1	372.2
47.5°	1556.8	847.8	418.4	391.2	409.6	419.9	388.4	380.5	374.1	368.6	366.7
50°	1702.4	845.2	392.2	379.1	397.7	404.1	371.0	371.2	367.9	361.7	358.8
52.5°	1811.9	824.7	375.3	372.2	387.2	376.2	360.0	362.1	360.5	351.4	348.3
55°	1917.5	807.0	366.7	369.5	379.5	341.4	347.1	352.4	350.7	341.9	340.4
57.5°	2049.0	803.7	361.4	370.2	373.1	324.0	334.7	341.6	340.4	336.6	335.9
60°	2210.0	804.7	356.6	371.4	365.9	311.1	323.0	331.8	332.6	331.8	331.4
62.5°	2298.5	778.7	344.7	368.1	353.3	299.9	310.8	323.7	324.0	325.4	325.2
65°	2223.4	700.9	322.5	356.4	332.1	290.6	300.3	314.4	310.8	317.3	317.3
66°	2150.4	656.0	311.6	348.8	323.0	287.0	297.0	309.6	305.1	313.9	313.9
67.5°	2001.3	580.4	291.8	332.6	310.1	282.0	293.2	301.8	295.6	308.7	307.7
70°	1728.8	449.0	251.9	295.8	288.9	274.6	287.9	286.0	277.0	297.0	293.2
72.5°	1457.6	341.1	202.3	247.6	256.7	265.3	280.5	266.0	254.5	268.6	260.3
75°	1131.0	256.5	159.8	192.5	216.9	250.7	271.7	242.9	226.4	225.0	220.4
77.5°	611.4	176.1	126.7	147.0	172.2	232.6	265.8	218.0	193.2	187.5	183.9
80°	242.1	114.5	92.1	111.4	120.5	206.4	251.4	189.2	159.4	153.6	148.1
82.5°	100.0	67.8	59.4	74.7	78.5	176.5	225.7	155.1	123.1	170.3	180.8
85°	42.9	37.2	35.3	38.6	44.4	123.8	179.6	118.3	132.9	118.6	94.2
87.5°	12.9	15.7	15.0	14.8	16.2	29.6	95.7	65.8	97.6	37.0	27.7
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)