

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: P323546

Luminaire Tested: **GAN-SA2A-750-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323546  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2A-750-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8147 lumens  
Efficiency: N/A  
Efficacy: 123.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

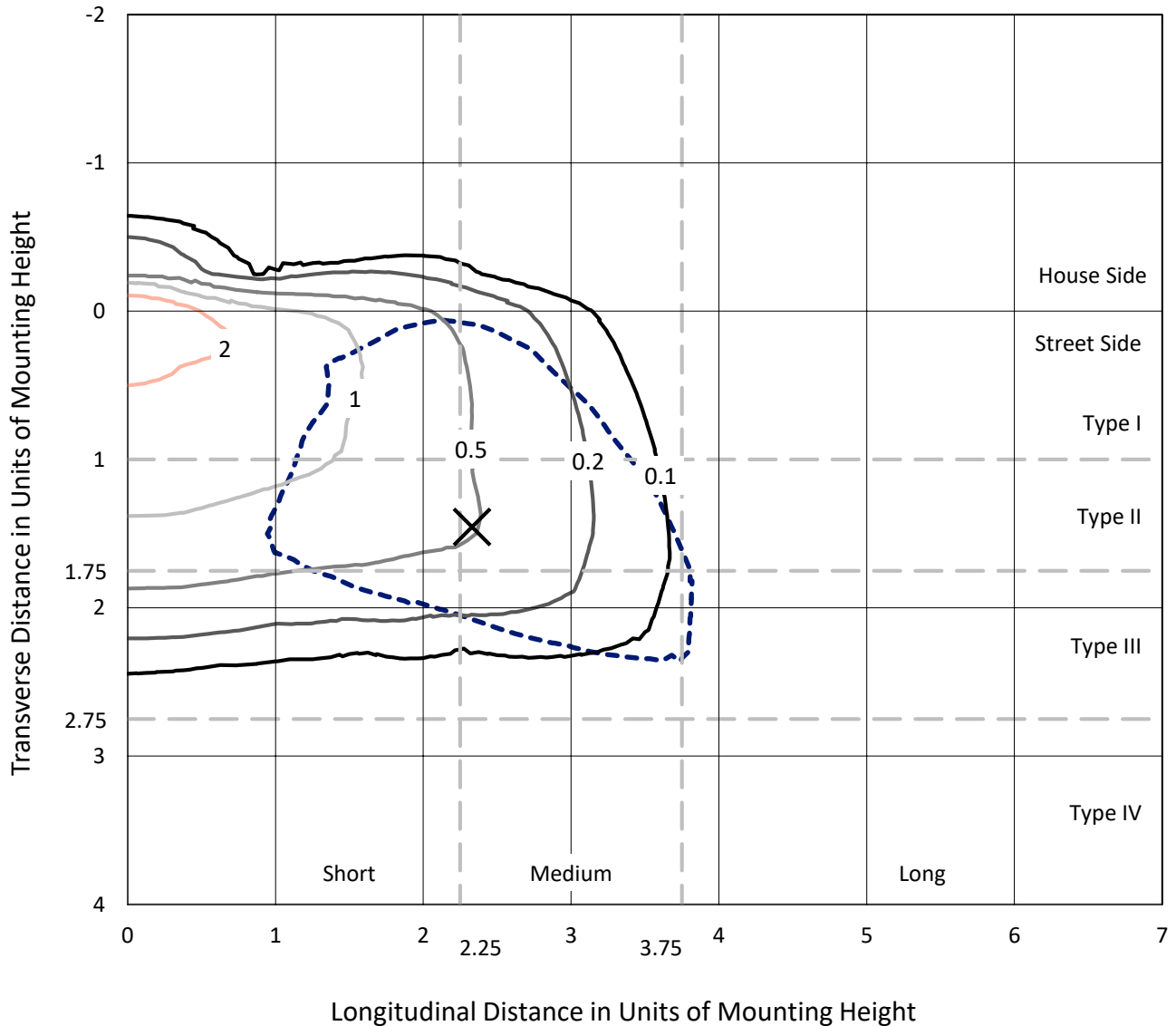
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P323546  
 CATALOG NUMBER: GAN-SA2A-750-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

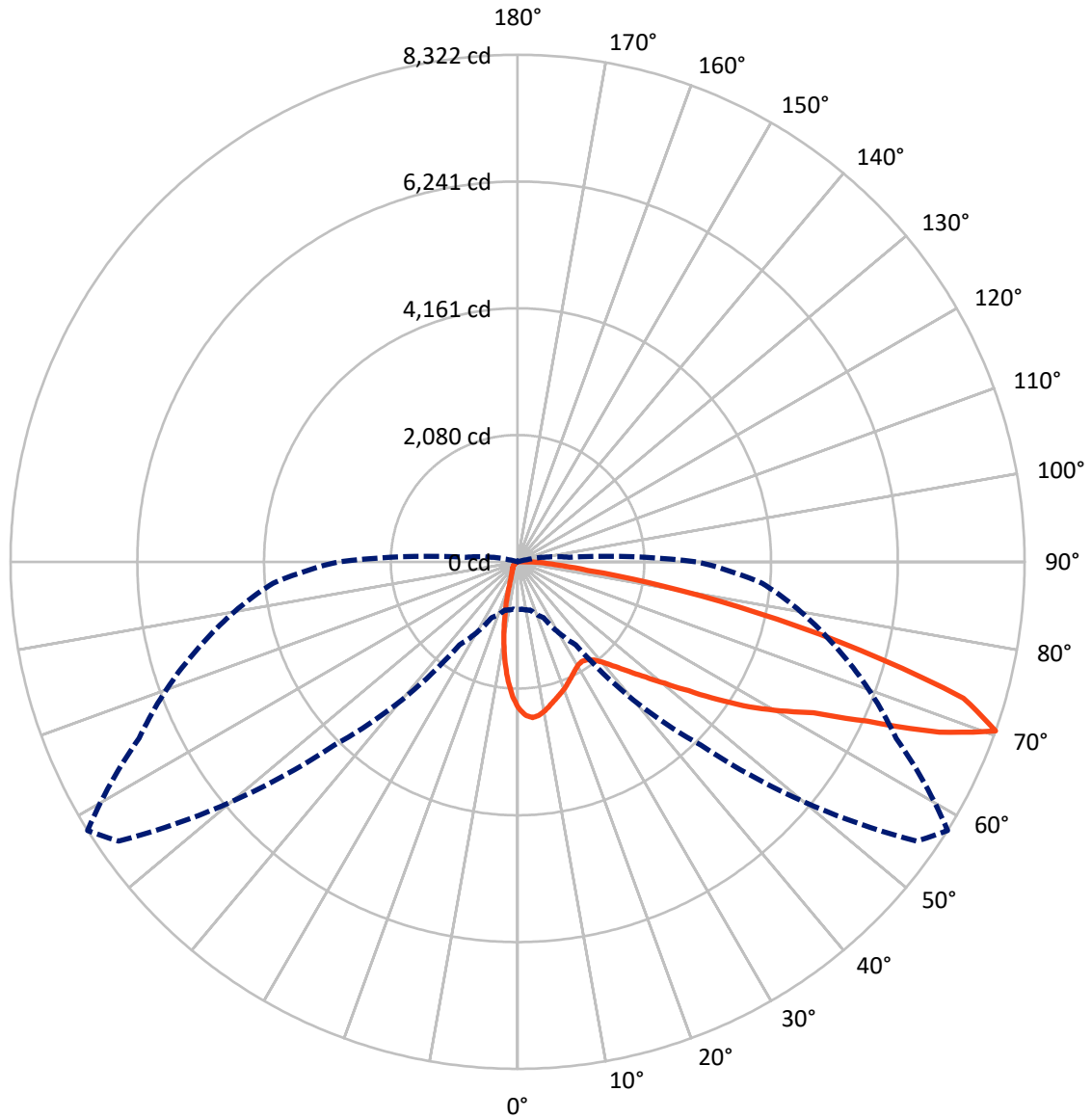
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc  
 Type III - Medium - N/A

REPORT NUMBER: P323546  
CATALOG NUMBER: GAN-SA2A-750-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P323546  
 CATALOG NUMBER: GAN-SA2A-750-U-SL3-HSS

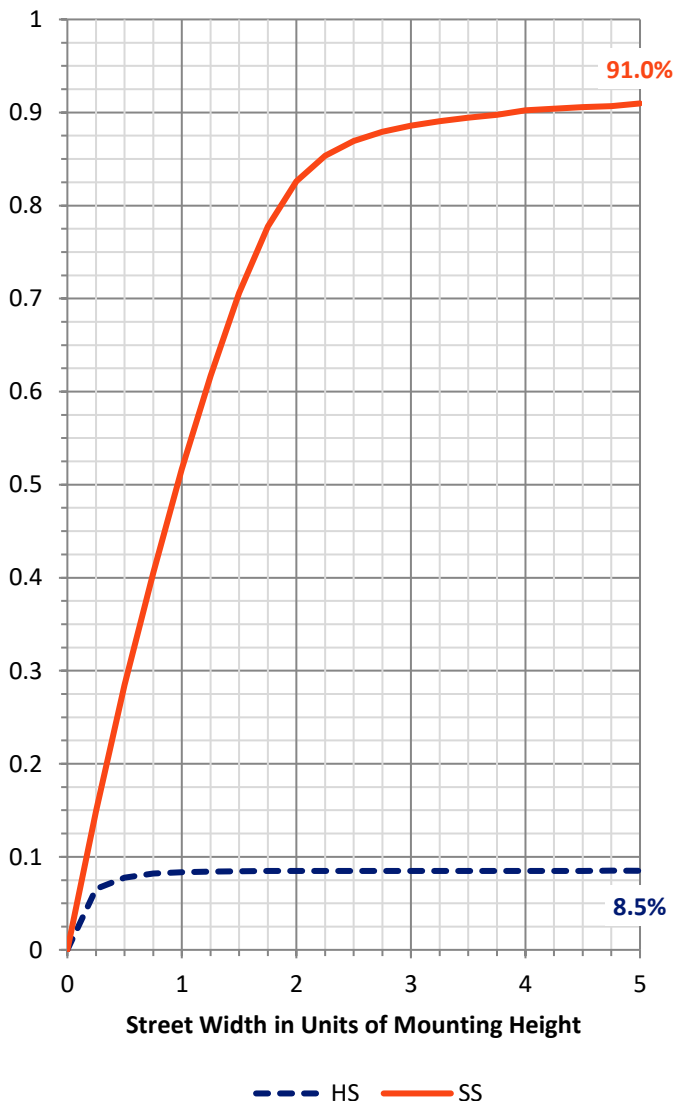
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	697.2	0.0	697.2
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	7449.8	0.0	7449.8
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	8147.0	0.0	8147.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.8	2.4
10°-20°	413.0	5.1
20°-30°	543.0	6.7
30°-40°	719.1	8.8
40°-50°	1074.9	13.2
50°-60°	1721.9	21.1
60°-70°	2170.5	26.6
70°-80°	1170.7	14.4
80°-90°	137.0	1.7
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°	8147.0	100.0
0°-180°	8147.0	100.0

**Coefficient of Utilization**

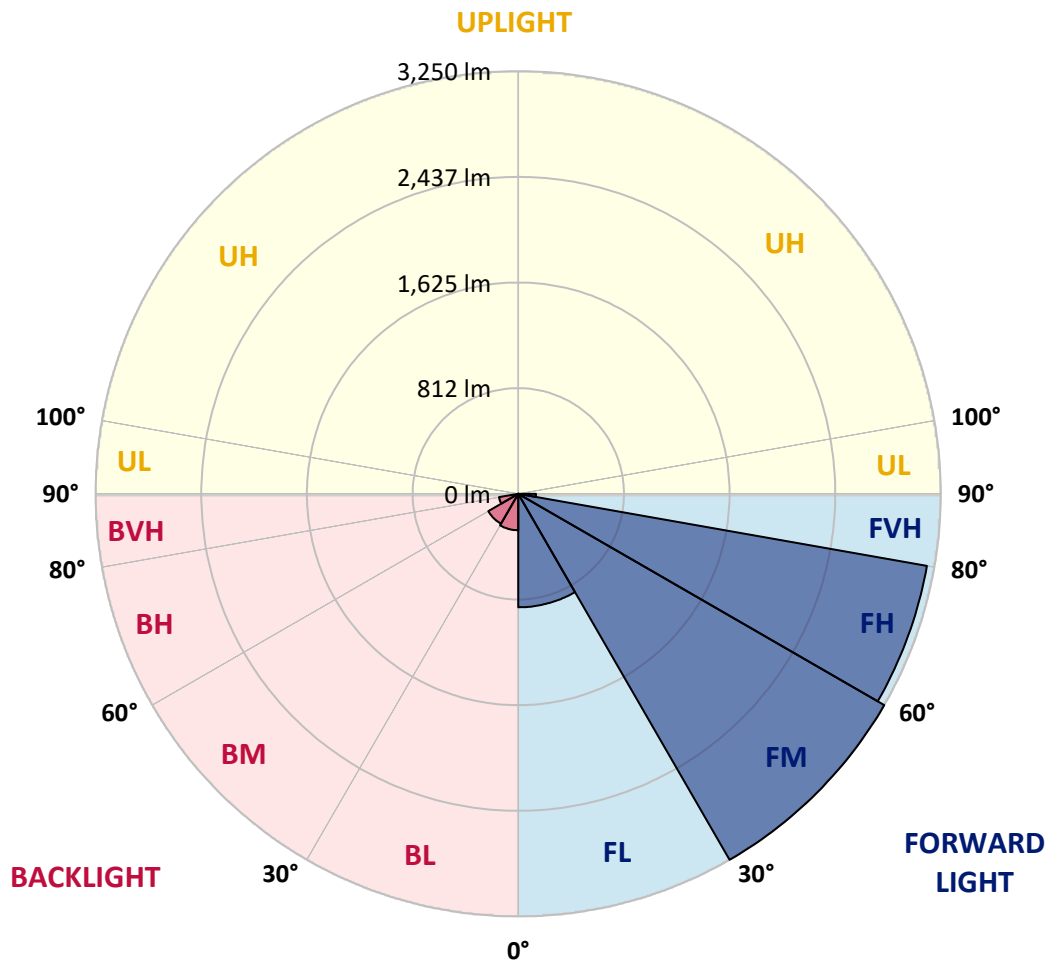


REPORT NUMBER: P323546  
 CATALOG NUMBER: GAN-SA2A-750-U-SL3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	872.7	10.7			
FM (30°-60°)	3250.0	39.9			
FH (60°-80°)	3191.3	39.2			G2/5000
FVH (80°-90°)	135.9	1.7			G2/225
BL (0°-30°)	280.1	3.4	B1/500		
BM (30°-60°)	266.0	3.3	B1/1000		
BH (60°-80°)	149.9	1.8	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			G0/10
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 Medium





REPORT NUMBER: P323546

CATALOG NUMBER: GAN-SA2A-750-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2406.6	2406.6	2406.6	2406.6	2406.6	2406.6	2406.6	2406.6	2406.6	2406.6	2406.6
2.5°	2606.1	2599.7	2597.3	2593.2	2577.7	2562.4	2532.3	2523.8	2504.8	2459.8	2412.0
5°	2608.2	2607.8	2614.9	2613.2	2607.8	2600.7	2579.0	2567.8	2535.7	2471.3	2383.9
7.5°	2482.5	2488.9	2504.8	2517.7	2532.6	2551.9	2554.6	2543.8	2517.4	2447.9	2332.1
10°	2313.8	2323.9	2346.3	2371.7	2410.7	2449.3	2483.8	2482.5	2473.3	2404.9	2269.7
12.5°	2144.7	2156.6	2182.3	2219.9	2275.1	2338.2	2399.8	2408.3	2423.5	2366.3	2212.1
15°	1996.7	2006.8	2032.3	2078.3	2146.8	2231.4	2321.9	2337.5	2376.8	2336.1	2164.0
17.5°	1871.0	1877.4	1896.1	1947.2	2026.5	2129.1	2246.7	2277.2	2335.8	2312.4	2122.4
20°	1783.3	1784.3	1796.5	1832.4	1911.6	2026.5	2168.8	2212.5	2292.4	2292.1	2079.3
22.5°	1739.9	1736.5	1738.9	1759.5	1817.8	1928.6	2090.9	2142.7	2253.5	2274.8	2035.6
25°	1731.8	1729.1	1722.3	1725.0	1760.2	1842.9	2012.3	2072.2	2219.2	2264.3	1997.7
27.5°	1757.2	1759.9	1748.4	1736.2	1738.9	1787.3	1942.5	2011.9	2191.5	2264.3	1970.9
30°	1808.3	1809.7	1801.2	1785.3	1763.9	1771.7	1894.0	1963.5	2177.6	2279.9	1954.0
32.5°	1864.9	1872.4	1871.3	1858.5	1828.0	1796.5	1882.5	1945.9	2176.6	2314.4	1952.3
35°	1935.0	1943.5	1957.7	1955.0	1923.2	1871.3	1921.8	1971.6	2196.6	2371.4	1970.6
37.5°	2009.6	2022.4	2052.9	2067.5	2046.8	1988.2	2009.9	2045.5	2250.1	2463.5	2017.0
40°	2081.7	2096.3	2151.8	2209.1	2193.5	2133.2	2143.4	2171.8	2345.3	2596.0	2105.1
42.5°	2152.5	2174.2	2255.8	2350.0	2368.6	2320.5	2326.0	2348.7	2486.5	2778.2	2249.1
45°	2237.2	2261.6	2382.5	2498.7	2548.5	2527.5	2550.6	2565.5	2671.2	3019.1	2443.2
47.5°	2361.5	2389.6	2538.0	2670.5	2757.9	2771.4	2817.8	2827.7	2904.6	3299.6	2696.2
50°	2604.1	2611.9	2746.0	2866.3	2992.3	3073.6	3126.5	3133.9	3187.1	3606.2	3012.3
52.5°	2909.3	2914.4	2990.3	3070.9	3214.2	3380.2	3503.8	3514.3	3525.5	3904.9	3324.3
55°	3212.5	3211.8	3262.0	3309.4	3473.4	3714.6	3982.9	3989.3	3909.0	4188.5	3562.8
57.5°	3401.9	3420.2	3496.4	3557.4	3786.4	4095.7	4468.0	4491.7	4311.8	4398.5	3798.6
60°	3341.6	3350.4	3519.4	3745.0	4176.3	4637.4	4958.8	4964.9	4614.7	4608.2	4096.7
62.5°	2847.0	2851.7	3117.3	3582.4	4373.8	5339.9	5551.0	5451.7	4962.9	4899.2	4453.4
65°	1951.3	1982.1	2204.0	2778.9	4011.0	5780.7	6467.7	6303.4	5493.7	5318.6	4775.9
67.5°	1149.1	1142.7	1252.4	1675.9	2945.9	5488.0	7627.3	7464.0	6217.7	5599.4	4681.4
70°	784.9	780.5	822.5	1014.6	1663.0	4257.3	7992.1	8321.8	6856.9	5410.4	4028.9
72.5°	560.3	562.7	624.7	788.3	1044.1	2480.4	6872.9	7653.0	6656.7	4716.6	3062.4
75°	380.4	386.9	475.6	646.7	915.3	1261.9	4877.2	5817.6	5420.6	3428.0	1760.2
77.5°	204.6	211.7	316.4	521.0	827.6	876.7	3137.3	4003.9	3404.9	1541.0	510.2
80°	85.4	89.4	148.0	378.7	715.1	770.0	1845.9	2427.9	1450.9	303.9	113.8
82.5°	36.9	39.0	61.7	226.0	534.6	650.1	977.3	1168.1	439.7	66.7	57.3
85°	7.1	7.5	25.4	119.6	341.1	366.9	633.5	621.0	197.5	28.8	41.7
87.5°	0.0	0.0	6.1	37.6	100.3	199.9	386.5	381.8	67.1	13.9	15.6
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: P323546  
 CATALOG NUMBER: GAN-SA2A-750-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2406.6	2406.6	2406.6	2406.6	2406.6	2406.6	2406.6	2406.6	2406.6	2406.6	2406.6
2.5°	2387.6	2364.2	2315.1	2254.5	2208.1	2156.9	2116.3	2064.8	2042.4	2043.4	2031.2
5°	2334.1	2286.0	2177.2	2040.0	1934.3	1825.3	1731.4	1637.9	1582.7	1564.8	1547.8
7.5°	2257.5	2181.3	2007.9	1796.5	1617.6	1442.8	1290.7	1156.9	1072.2	1030.9	1015.6
10°	2171.1	2064.1	1813.1	1534.6	1279.2	1042.7	845.6	674.1	605.7	559.3	547.4
12.5°	2095.3	1950.3	1622.7	1266.0	962.8	677.5	489.5	382.8	336.4	318.1	315.1
15°	2023.8	1843.9	1439.4	1022.7	666.7	417.0	311.3	275.1	264.2	261.2	261.2
17.5°	1956.4	1742.6	1260.2	783.2	441.1	292.4	257.8	249.7	246.3	245.9	246.3
20°	1885.9	1641.3	1084.0	573.9	307.9	247.6	238.2	233.7	232.7	232.7	232.7
22.5°	1818.5	1540.0	912.6	409.9	247.0	226.0	221.2	218.2	217.1	216.8	216.1
25°	1753.8	1443.8	745.3	289.6	216.8	207.0	202.9	198.9	195.8	194.1	193.1
27.5°	1700.6	1358.1	589.5	232.4	195.8	187.3	182.3	176.2	168.7	165.3	164.0
30°	1658.3	1279.9	454.3	196.1	176.2	167.7	159.9	149.4	138.6	132.8	132.5
32.5°	1625.1	1203.0	344.9	173.4	158.5	148.0	136.9	123.6	111.1	104.7	104.3
35°	1608.8	1135.2	263.6	156.8	143.0	129.7	115.9	101.3	89.1	83.0	82.3
37.5°	1619.6	1077.9	205.6	143.0	129.7	114.5	98.2	83.0	72.2	66.7	66.4
40°	1659.3	1041.4	167.0	131.1	118.6	99.9	82.3	68.1	58.9	54.5	54.2
42.5°	1743.6	1027.8	142.6	121.3	107.7	86.4	68.4	56.2	47.8	44.7	44.0
45°	1884.5	1047.8	126.0	111.8	96.5	73.5	56.6	46.1	38.6	36.2	35.9
47.5°	2072.2	1100.3	114.2	102.6	86.4	62.0	47.1	37.3	31.5	29.1	28.8
50°	2314.1	1183.6	104.3	93.5	76.9	52.5	39.0	29.5	24.4	22.7	22.7
52.5°	2577.3	1282.9	95.5	85.0	67.4	43.7	31.5	22.7	19.3	17.3	17.3
55°	2794.8	1369.6	86.0	78.6	55.9	36.2	24.1	17.3	14.2	13.2	13.2
57.5°	3012.0	1462.1	75.2	67.4	44.7	29.5	18.3	12.9	10.5	9.8	9.8
60°	3293.5	1575.3	64.7	54.9	35.2	22.4	13.6	9.1	7.8	7.5	7.5
62.5°	3603.1	1641.7	55.2	44.0	27.4	16.6	9.8	6.1	5.8	5.8	5.4
65°	3792.5	1547.8	46.4	35.2	21.3	12.5	6.4	4.4	5.1	4.7	4.1
67.5°	3550.9	1211.8	37.9	27.4	16.6	9.5	4.1	3.0	5.4	4.4	3.4
70°	2940.1	848.3	29.5	19.3	13.2	8.1	2.7	2.0	5.8	4.4	2.7
72.5°	2200.3	567.8	23.4	12.9	9.8	7.1	2.4	1.0	5.1	3.7	2.4
75°	1202.3	228.7	18.6	8.1	6.1	5.1	1.7	0.7	3.4	2.7	1.7
77.5°	316.4	60.3	13.6	5.4	3.4	2.0	1.0	0.3	1.7	1.4	0.7
80°	80.6	23.4	8.8	3.7	2.4	1.0	0.0	0.0	0.3	0.0	0.0
82.5°	43.0	9.8	5.4	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	32.5	6.4	3.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.5	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	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)