

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: P319695

Luminaire Tested: **GAN-SA1D-740-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1D-740-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8124 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

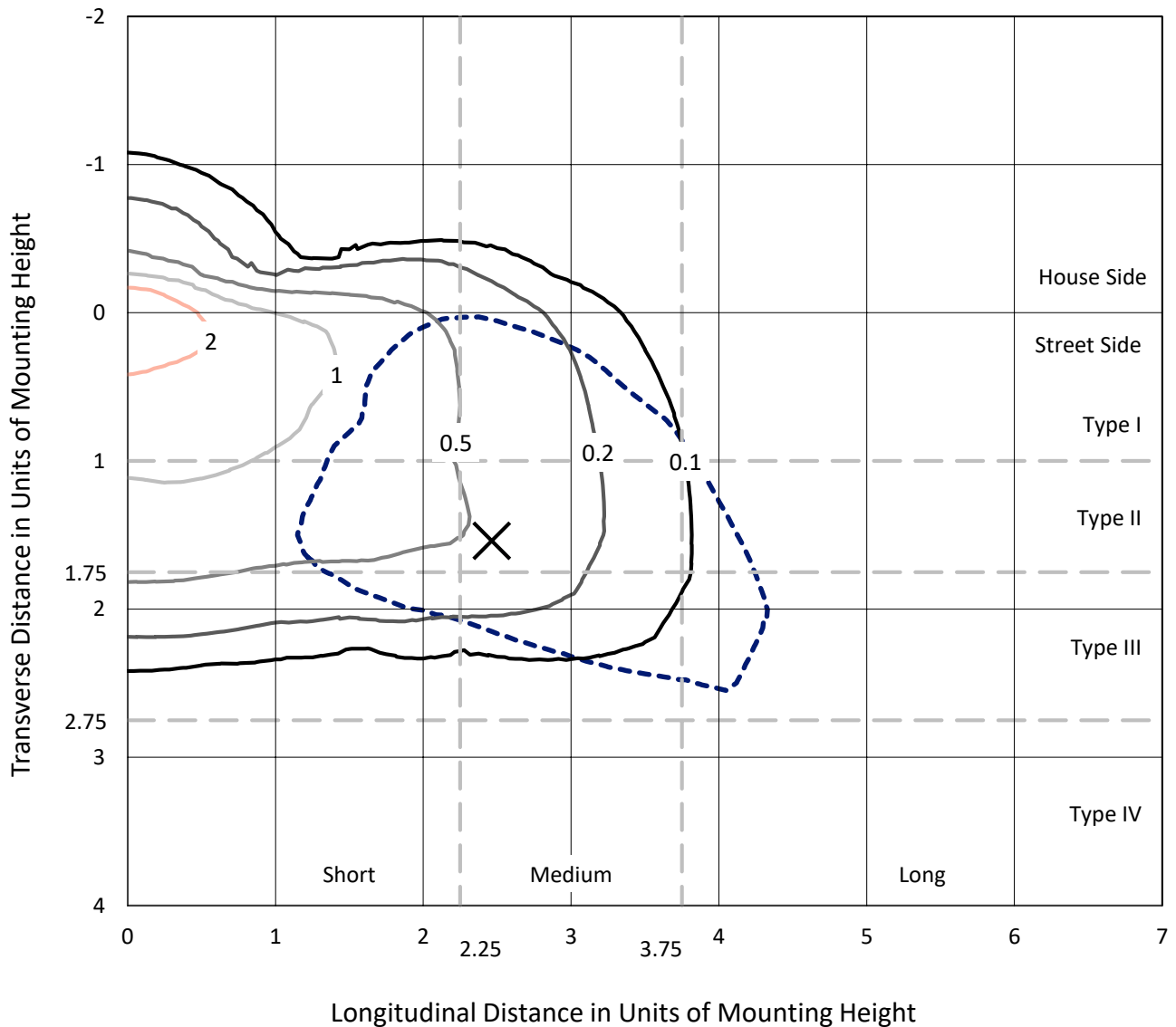
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

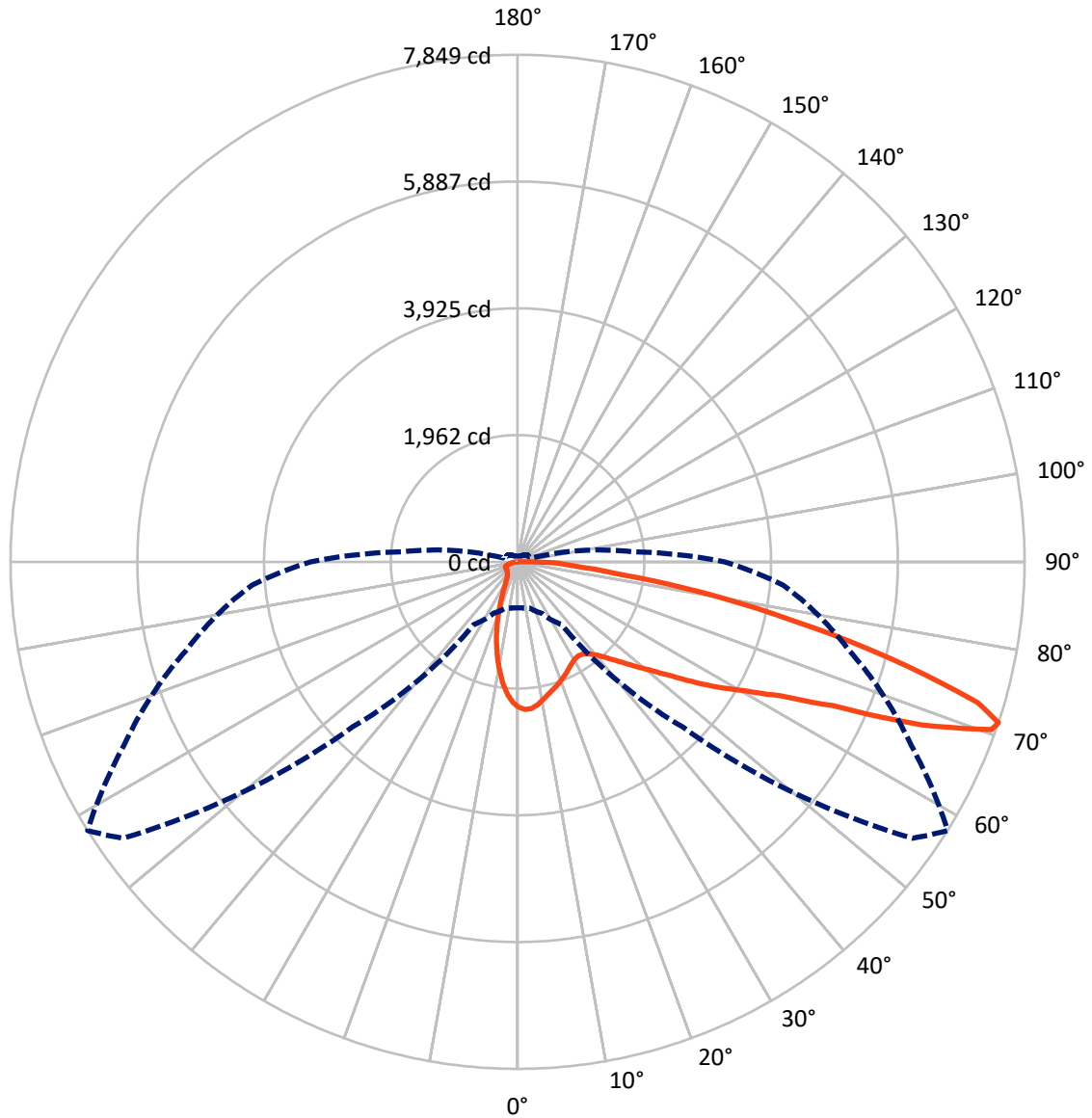
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical



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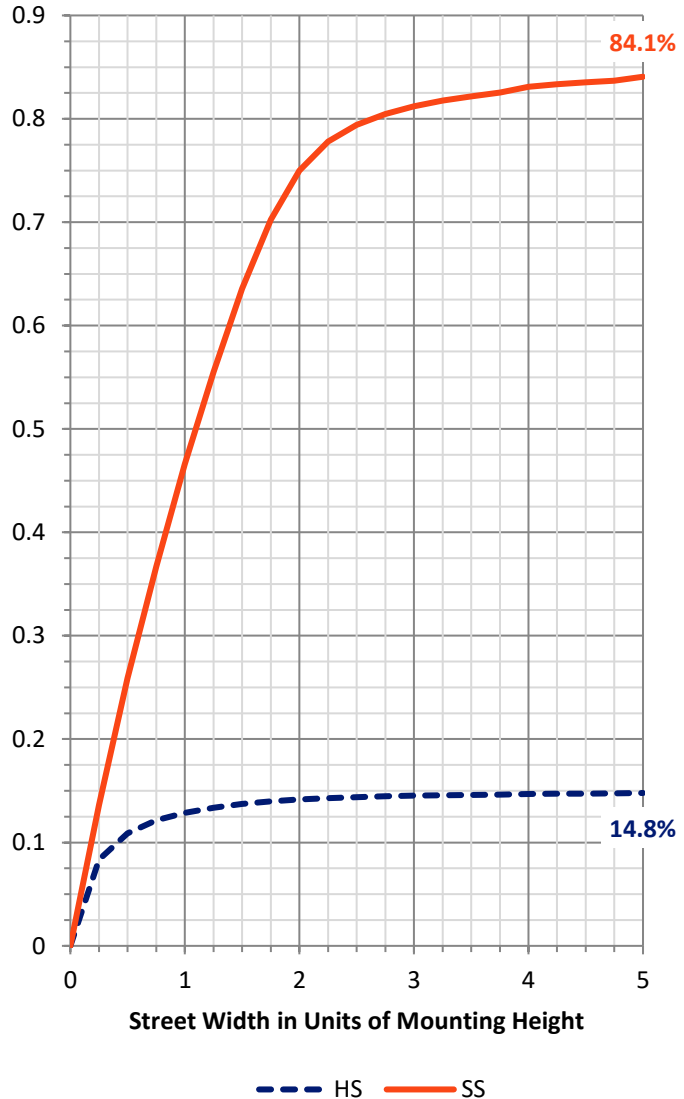
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1214.6	0.0	1214.6
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	6909.4	0.0	6909.4
	% Fixture	85.0	0.0	85.0
Total	Lumens	8124.0	0.0	8124.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	2.4
10°-20°	431.8	5.3
20°-30°	548.8	6.8
30°-40°	699.0	8.6
40°-50°	991.2	12.2
50°-60°	1534.0	18.9
60°-70°	2088.3	25.7
70°-80°	1393.2	17.1
80°-90°	243.6	3.0
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°	8124.0	100.0
0°-180°	8124.0	100.0

Coefficient of Utilization

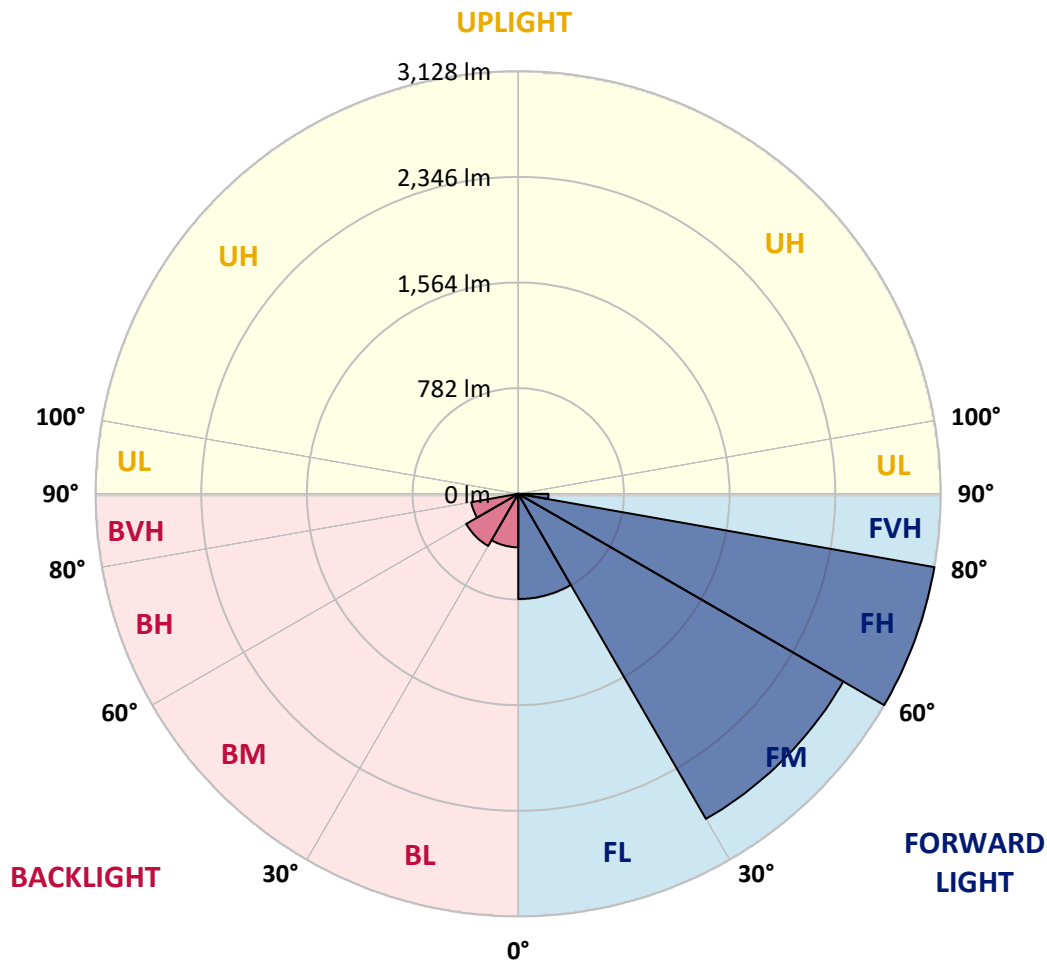


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	778.8	9.6			
FM (30°-60°)	2778.8	34.2			
FH (60°-80°)	3128.5	38.5			G2/5000
FVH (80°-90°)	223.3	2.7			G2/225
BL (0°-30°)	395.9	4.9	B1/500		
BM (30°-60°)	445.4	5.5	B1/1000		
BH (60°-80°)	353.0	4.3	B1/500		G1/500
BVH (80°-90°)	20.2	0.2			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2250.9	2250.9	2250.9	2250.9	2250.9	2250.9	2250.9	2250.9	2250.9	2250.9	2250.9
2.5°	2310.6	2307.5	2308.6	2306.4	2301.0	2295.6	2287.7	2289.1	2278.1	2261.6	2241.3
5°	2267.0	2265.9	2274.4	2279.2	2283.2	2280.0	2277.8	2280.6	2264.5	2241.8	2206.5
7.5°	2175.6	2163.2	2173.9	2190.0	2205.3	2216.9	2232.2	2234.2	2224.0	2200.2	2153.8
10°	2045.7	2033.8	2049.7	2074.9	2105.4	2133.2	2164.0	2169.7	2171.7	2150.1	2093.8
12.5°	1911.0	1902.0	1917.8	1953.2	2003.8	2046.6	2095.8	2104.3	2121.8	2107.4	2038.4
15°	1790.5	1787.1	1806.3	1841.1	1899.4	1964.8	2035.8	2051.4	2081.1	2076.3	1995.1
17.5°	1686.3	1685.5	1700.2	1736.7	1801.2	1883.9	1976.1	2002.4	2046.6	2052.2	1959.4
20°	1608.8	1607.1	1617.3	1644.2	1710.7	1804.3	1911.6	1947.8	2011.5	2031.3	1922.6
22.5°	1567.2	1566.9	1567.2	1579.9	1634.3	1721.4	1848.8	1892.9	1977.2	2014.6	1881.9
25°	1560.1	1559.3	1553.0	1551.6	1582.5	1652.1	1786.5	1835.2	1944.7	2003.0	1843.1
27.5°	1578.5	1579.6	1571.4	1558.1	1564.4	1606.5	1732.5	1784.5	1918.7	2000.7	1816.2
30°	1616.7	1616.1	1609.1	1595.2	1583.0	1589.5	1694.0	1746.0	1901.1	2010.6	1797.8
32.5°	1658.9	1662.0	1660.6	1652.9	1634.8	1608.8	1682.4	1733.3	1896.0	2034.4	1789.9
35°	1709.5	1712.9	1723.1	1729.1	1707.8	1666.0	1707.3	1751.4	1910.7	2079.1	1802.6
37.5°	1757.6	1766.4	1795.0	1820.2	1802.1	1755.4	1773.5	1804.9	1956.3	2149.6	1836.9
40°	1813.1	1820.7	1867.4	1920.9	1918.1	1869.7	1880.2	1901.1	2036.7	2250.6	1898.9
42.5°	1867.7	1883.0	1950.6	2026.5	2048.3	2005.5	2022.2	2033.3	2149.9	2384.5	2007.0
45°	1940.5	1956.9	2050.8	2142.2	2193.2	2169.1	2195.7	2200.0	2292.2	2566.7	2164.0
47.5°	2050.5	2069.2	2178.7	2274.7	2352.5	2355.0	2398.9	2397.2	2469.9	2775.3	2361.8
50°	2222.0	2248.9	2338.6	2428.3	2522.8	2575.5	2634.1	2625.9	2683.0	2997.4	2589.6
52.5°	2446.7	2459.2	2525.7	2591.9	2709.3	2827.3	2911.4	2904.0	2924.7	3225.8	2848.3
55°	2679.6	2689.0	2716.4	2752.6	2910.5	3103.0	3280.7	3269.1	3216.7	3462.9	3103.8
57.5°	2889.0	2908.0	2927.0	2941.9	3113.2	3391.1	3658.5	3659.3	3533.7	3718.8	3367.8
60°	2921.6	2938.3	3063.6	3181.9	3459.8	3775.4	4062.9	4054.4	3861.7	3996.4	3662.2
62.5°	2582.6	2620.2	2829.6	3144.3	3793.7	4478.3	4578.8	4568.3	4253.9	4338.5	4004.9
65°	1850.7	1893.5	2146.2	2619.1	3631.9	5252.8	5509.8	5368.9	4788.7	4759.3	4406.1
67.5°	1067.7	1077.9	1187.4	1567.2	2765.4	5293.3	6930.1	6732.9	5619.3	5236.7	4602.5
70°	789.5	789.3	815.3	964.4	1496.4	4320.1	7605.6	7782.5	6493.7	5393.8	4324.9
71°	714.0	714.8	744.0	877.8	1185.2	3616.0	7462.1	7849.3	6724.1	5316.2	4124.0
72.5°	610.7	613.5	654.0	787.3	997.0	2493.7	6844.1	7448.5	6833.3	5124.9	3809.6
75°	463.3	469.8	525.8	663.6	911.2	1264.7	5023.0	5947.9	6070.4	4522.2	2830.7
77.5°	330.5	337.9	401.3	558.1	866.2	953.1	3363.9	4338.5	4467.3	2898.1	1276.8
80°	208.8	217.6	265.4	444.0	813.9	905.0	2113.9	2916.2	2436.0	927.4	324.9
82.5°	122.5	129.3	164.7	290.1	664.7	871.6	1243.7	1616.4	948.0	280.2	147.7
85°	71.0	74.1	102.7	184.8	482.8	822.6	913.8	903.6	411.5	137.0	69.9
87.5°	33.1	36.8	60.8	96.5	268.0	596.3	722.2	624.0	255.8	64.2	32.8
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°	2250.9	2250.9	2250.9	2250.9	2250.9	2250.9	2250.9	2250.9	2250.9	2250.9	2250.9
2.5°	2231.4	2226.6	2206.5	2188.6	2170.0	2145.6	2118.7	2115.3	2098.9	2102.0	2096.4
5°	2187.2	2175.1	2126.7	2082.8	2031.0	1984.6	1934.2	1911.0	1877.6	1875.4	1866.9
7.5°	2124.1	2101.5	2026.5	1943.3	1860.1	1780.8	1702.5	1651.0	1598.3	1576.0	1574.0
10°	2053.1	2014.6	1904.2	1781.1	1661.1	1545.4	1433.3	1350.4	1275.7	1240.3	1238.9
12.5°	1985.7	1928.9	1777.5	1609.9	1445.8	1295.8	1142.1	1033.2	939.5	908.1	894.8
15°	1928.6	1848.5	1654.1	1439.8	1240.6	1032.3	857.5	742.8	656.3	626.3	620.6
17.5°	1873.1	1770.1	1527.6	1268.1	1027.2	798.3	623.1	538.0	491.8	479.7	479.4
20°	1817.9	1689.4	1395.4	1092.3	820.9	597.1	479.1	440.9	425.3	423.9	421.7
22.5°	1755.4	1604.0	1256.5	916.0	640.7	469.5	407.2	391.9	390.0	395.1	395.1
25°	1696.8	1519.1	1115.5	743.4	498.3	391.7	363.6	360.5	365.9	375.0	375.8
27.5°	1642.2	1437.3	978.0	590.0	399.3	345.0	333.4	337.0	346.7	357.1	357.4
30°	1597.2	1360.0	844.4	465.0	337.3	310.2	308.2	315.5	326.0	334.2	336.2
32.5°	1562.4	1294.1	715.4	373.8	296.9	284.1	285.8	292.0	298.6	303.1	306.2
35°	1546.2	1237.5	596.3	315.2	271.1	264.0	266.3	269.7	272.5	275.9	278.5
37.5°	1549.1	1193.6	489.9	278.7	253.8	250.2	250.2	250.2	250.2	251.9	252.1
40°	1575.4	1168.5	403.3	255.5	242.2	238.3	235.2	232.3	230.1	231.2	230.6
42.5°	1642.7	1166.2	339.9	240.8	232.9	226.4	220.2	216.2	213.4	214.5	215.1
45°	1757.1	1194.5	297.1	230.4	224.1	214.2	206.3	202.1	200.1	203.8	204.3
47.5°	1905.1	1256.2	271.1	222.7	215.9	202.9	194.4	190.5	191.0	196.4	197.8
50°	2095.8	1356.4	258.7	217.9	210.3	193.3	184.5	181.1	182.8	190.5	192.1
52.5°	2305.2	1500.7	260.1	216.5	206.6	186.2	176.9	172.9	175.7	182.8	184.2
55°	2546.9	1674.2	283.6	218.5	201.2	181.7	170.6	163.9	166.1	172.6	173.8
57.5°	2815.5	1872.8	330.8	217.9	194.4	177.4	164.1	153.9	155.6	159.6	160.7
60°	3095.0	2112.8	404.1	219.6	191.3	172.3	155.4	142.6	142.1	145.5	146.0
62.5°	3430.7	2390.4	487.9	220.7	193.3	165.8	143.8	131.3	129.6	130.5	131.0
65°	3776.5	2591.3	456.5	216.2	199.5	160.5	133.6	120.3	117.2	116.6	116.9
67.5°	3787.2	2376.0	320.1	207.1	202.1	157.6	125.9	110.9	105.8	103.9	103.6
70°	3396.4	1930.3	249.3	197.5	191.9	153.1	118.9	103.3	95.7	92.5	92.3
71°	3205.7	1776.9	236.3	192.7	184.2	148.6	115.7	99.9	92.0	88.6	88.0
72.5°	2906.6	1592.9	220.4	185.1	169.5	137.0	109.8	95.1	86.9	82.9	82.1
75°	2085.9	1041.7	189.3	165.0	140.4	109.2	96.2	85.5	78.4	73.6	73.0
77.5°	803.7	414.6	143.2	137.2	107.5	85.5	79.2	73.9	68.8	64.0	63.7
80°	248.5	185.4	104.4	103.3	77.8	63.7	61.7	60.3	58.3	53.2	52.1
82.5°	132.7	106.4	71.9	66.8	50.9	42.4	44.7	45.3	45.6	40.2	39.6
85°	63.4	56.3	40.5	37.9	29.7	23.8	27.4	29.7	30.0	24.6	22.9
87.5°	30.3	29.4	19.0	14.4	11.0	7.9	9.6	11.9	13.0	9.3	8.2
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)