

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P386526

Luminaire Tested: GAW-SA2B-722-U-SL3-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386526
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
Product Line: STREETWORKS
Catalog Number: GAW-SA2B-722-U-SL3-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2200K, 800mA 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: 7491 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

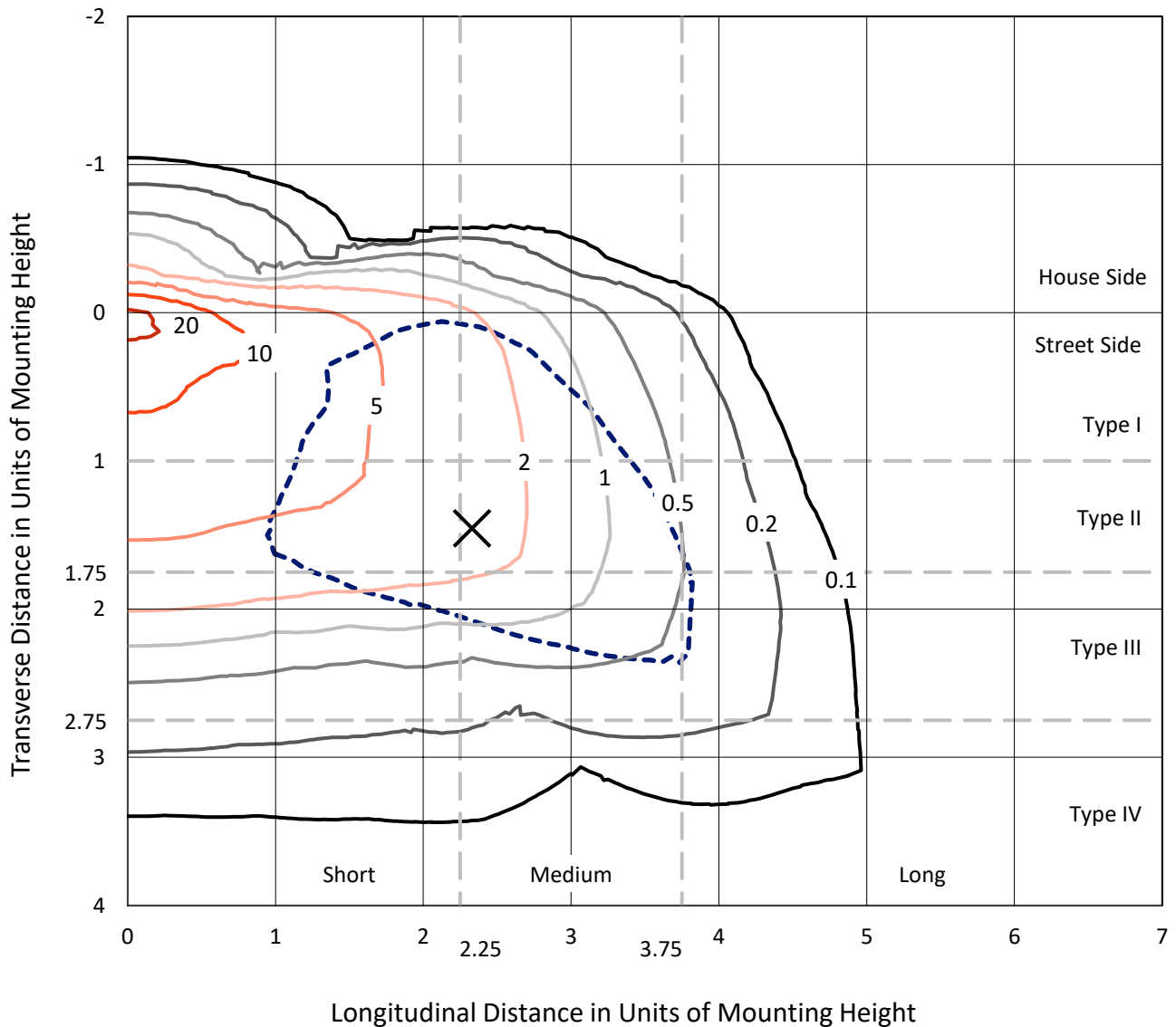
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

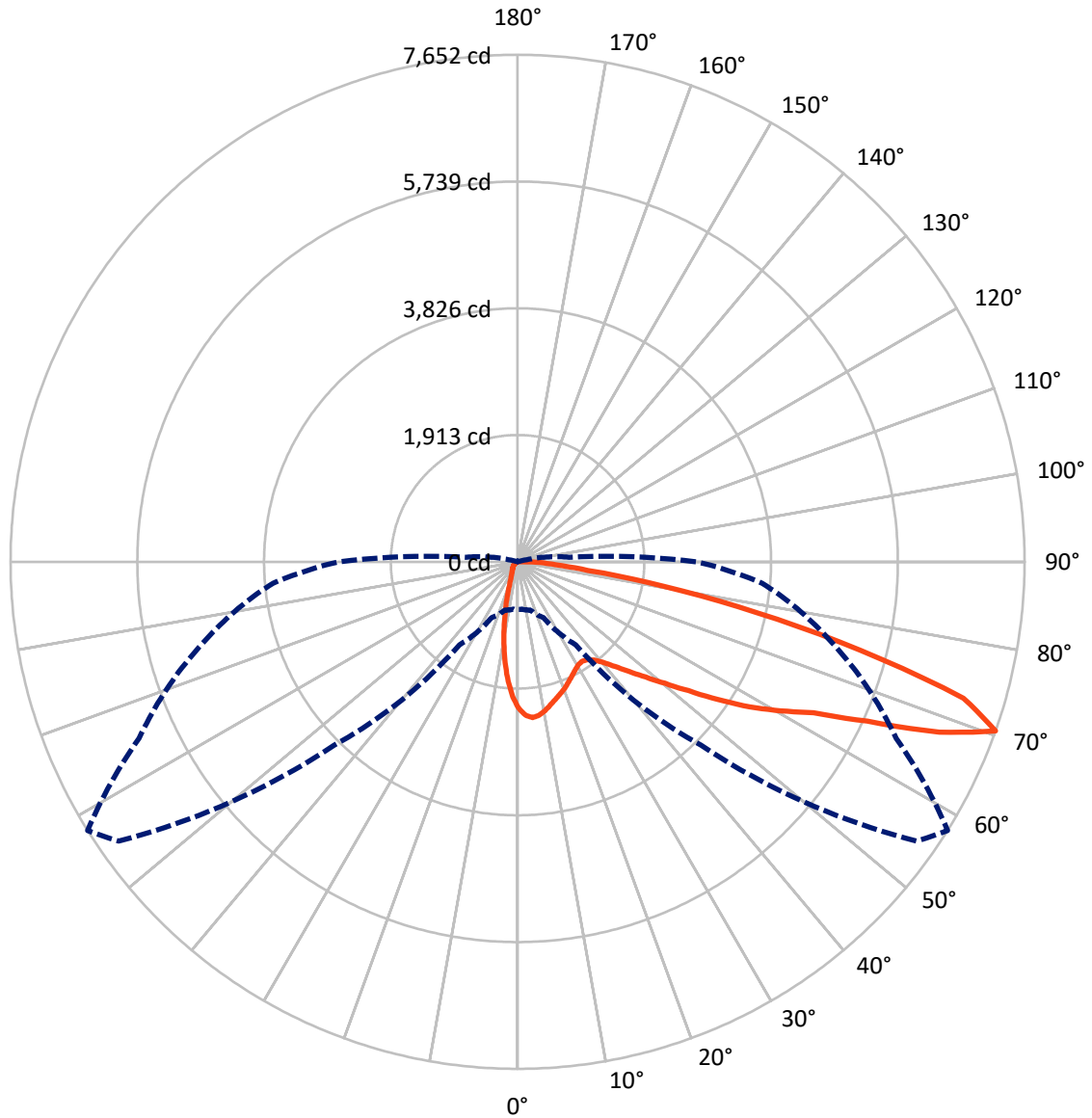
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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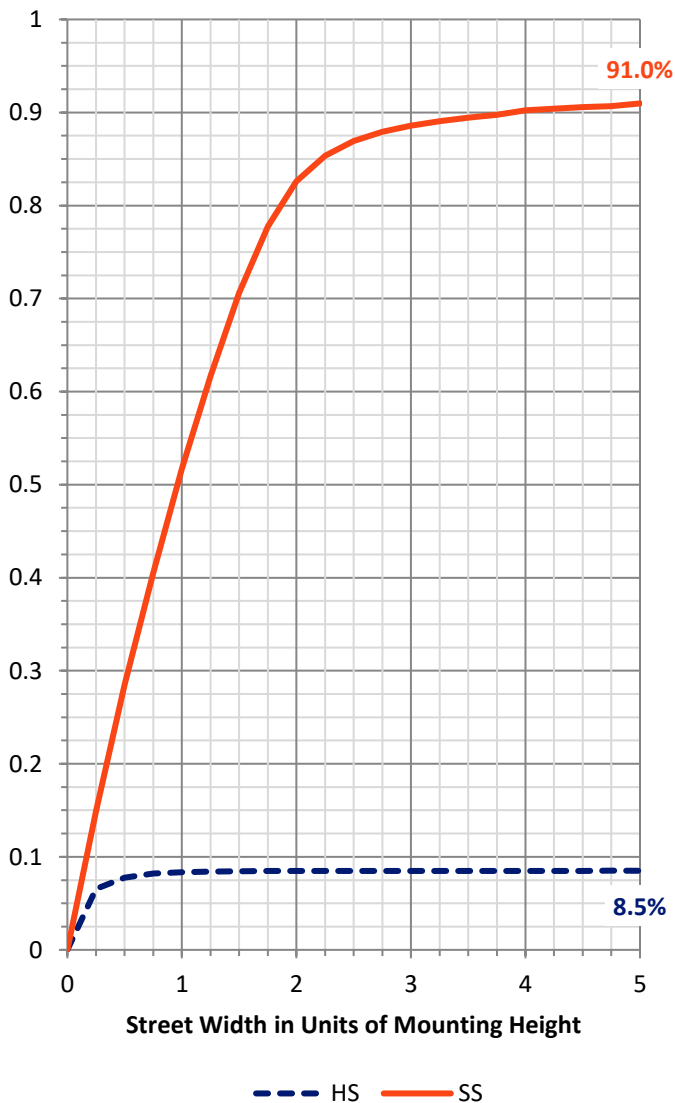
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	641.1	0.0	641.1
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	6849.9	0.0	6849.9
	% Fixture	91.4	0.0	91.4
Total	Lumens	7491.0	0.0	7491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.0	2.4
10°-20°	379.8	5.1
20°-30°	499.3	6.7
30°-40°	661.2	8.8
40°-50°	988.3	13.2
50°-60°	1583.3	21.1
60°-70°	1995.7	26.6
70°-80°	1076.5	14.4
80°-90°	126.0	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°	7491.0	100.0
0°-180°	7491.0	100.0

Coefficient of Utilization

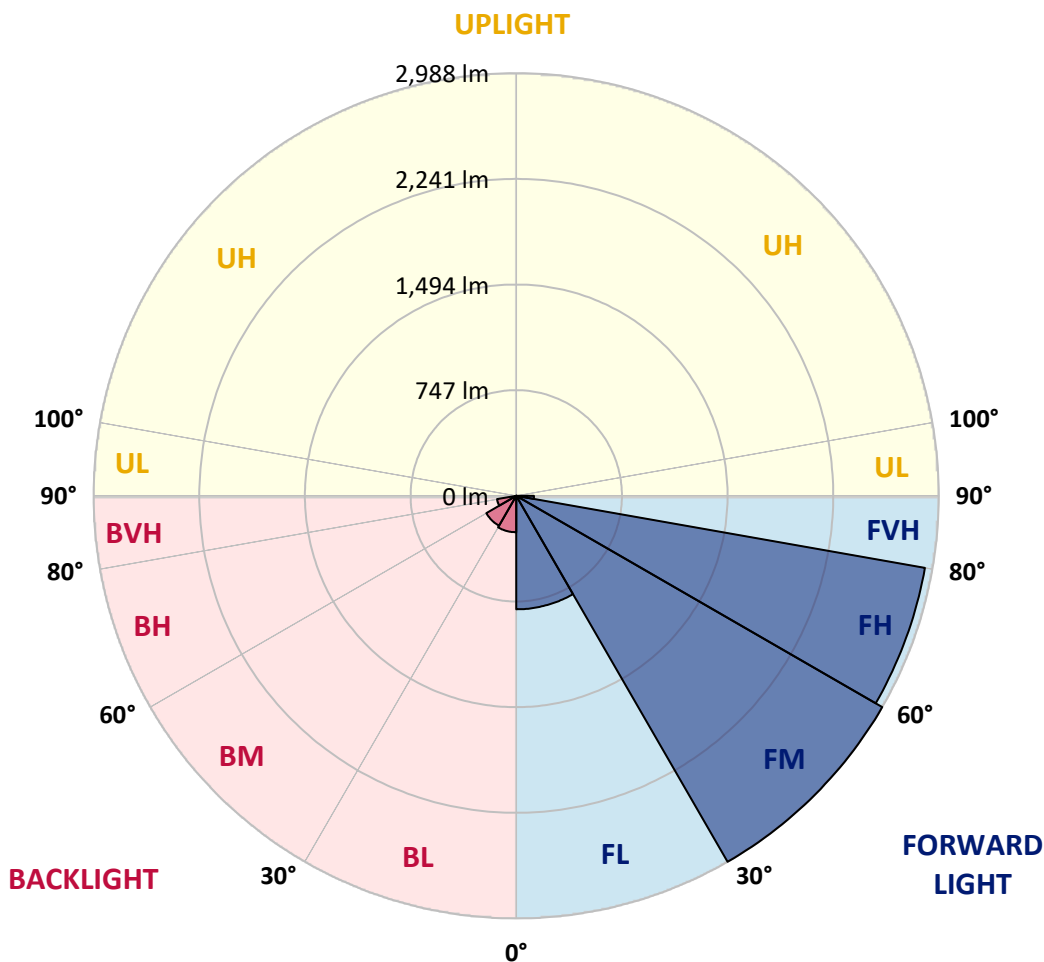


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	802.4	10.7			
FM (30°-60°)	2988.3	39.9			
FH (60°-80°)	2934.3	39.2			G2/5000
FVH (80°-90°)	124.9	1.7			G2/225
BL (0°-30°)	257.6	3.4	B1/500		
BM (30°-60°)	244.6	3.3	B1/1000		
BH (60°-80°)	137.9	1.8	B1/500		G1/500
BVH (80°-90°)	1.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8
2.5°	2396.3	2390.4	2388.2	2384.4	2370.1	2356.1	2328.4	2320.6	2303.1	2261.7	2217.8
5°	2398.1	2397.8	2404.4	2402.8	2397.8	2391.3	2371.4	2361.1	2331.5	2272.3	2191.9
7.5°	2282.6	2288.5	2303.1	2315.0	2328.7	2346.4	2348.9	2339.0	2314.7	2250.8	2144.3
10°	2127.5	2136.8	2157.4	2180.7	2216.5	2252.1	2283.8	2282.6	2274.2	2211.2	2087.0
12.5°	1972.0	1982.9	2006.6	2041.2	2091.9	2149.9	2206.6	2214.4	2228.4	2175.7	2034.0
15°	1835.9	1845.3	1868.6	1911.0	1973.9	2051.8	2134.9	2149.3	2185.4	2148.0	1989.8
17.5°	1720.3	1726.3	1743.4	1790.4	1863.3	1957.7	2065.8	2093.8	2147.7	2126.2	1951.5
20°	1639.7	1640.6	1651.8	1684.8	1757.7	1863.3	1994.1	2034.3	2107.8	2107.5	1911.9
22.5°	1599.8	1596.7	1598.9	1617.9	1671.4	1773.3	1922.5	1970.2	2072.0	2091.6	1871.7
25°	1592.3	1589.8	1583.6	1586.1	1618.5	1694.5	1850.2	1905.4	2040.6	2082.0	1836.8
27.5°	1615.7	1618.2	1607.6	1596.4	1598.9	1643.4	1786.1	1849.9	2015.0	2082.0	1812.2
30°	1662.7	1664.0	1656.2	1641.5	1621.9	1629.1	1741.5	1805.4	2002.2	2096.3	1796.7
32.5°	1714.7	1721.6	1720.7	1708.8	1680.8	1651.8	1730.9	1789.2	2001.3	2128.1	1795.1
35°	1779.2	1787.0	1800.1	1797.6	1768.3	1720.7	1767.1	1812.9	2019.7	2180.4	1811.9
37.5°	1847.7	1859.6	1887.6	1901.0	1882.0	1828.1	1848.1	1880.8	2068.9	2265.1	1854.6
40°	1914.1	1927.5	1978.6	2031.2	2016.9	1961.4	1970.8	1996.9	2156.4	2386.9	1935.6
42.5°	1979.2	1999.1	2074.2	2160.8	2177.9	2133.7	2138.7	2159.5	2286.3	2554.5	2068.0
45°	2057.1	2079.5	2190.7	2297.5	2343.3	2324.0	2345.2	2358.9	2456.1	2776.0	2246.4
47.5°	2171.4	2197.2	2333.7	2455.5	2535.8	2548.3	2591.0	2600.0	2670.7	3033.9	2479.1
50°	2394.4	2401.6	2524.9	2635.5	2751.4	2826.1	2874.7	2881.6	2930.5	3315.8	2769.7
52.5°	2675.1	2679.7	2749.5	2823.6	2955.4	3108.0	3221.7	3231.4	3241.6	3590.5	3056.6
55°	2953.8	2953.2	2999.3	3042.9	3193.7	3415.5	3662.2	3668.1	3594.3	3851.2	3275.9
57.5°	3128.0	3144.8	3214.9	3270.9	3481.5	3765.9	4108.2	4130.0	3964.6	4044.4	3492.7
60°	3072.5	3080.6	3236.0	3443.5	3840.0	4263.9	4559.6	4565.2	4243.1	4237.2	3766.8
62.5°	2617.7	2622.1	2866.3	3294.0	4021.6	4910.0	5104.0	5012.8	4563.3	4504.7	4094.8
65°	1794.2	1822.5	2026.5	2555.1	3688.0	5315.2	5946.9	5795.8	5051.4	4890.4	4391.3
67.5°	1056.6	1050.6	1151.6	1540.9	2708.7	5046.1	7013.1	6863.0	5717.0	5148.6	4304.4
70°	721.7	717.7	756.3	932.9	1529.1	3914.5	7348.6	7651.7	6304.8	4974.8	3704.5
72.5°	515.2	517.4	574.4	724.8	960.0	2280.7	6319.5	7036.8	6120.7	4336.8	2815.8
75°	349.8	355.7	437.3	594.6	841.6	1160.3	4484.5	5349.2	4984.1	3151.9	1618.5
77.5°	188.1	194.7	290.9	479.1	761.0	806.1	2884.7	3681.5	3130.8	1417.0	469.1
80°	78.5	82.2	136.1	348.2	657.5	708.0	1697.3	2232.4	1334.1	279.4	104.7
82.5°	34.0	35.8	56.7	207.8	491.5	597.7	898.6	1074.0	404.3	61.4	52.6
85°	6.5	6.9	23.4	110.0	313.7	337.3	582.5	571.0	181.6	26.5	38.3
87.5°	0.0	0.0	5.6	34.6	92.2	183.8	355.4	351.0	61.7	12.8	14.3
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°	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8
2.5°	2195.4	2173.9	2128.7	2072.9	2030.3	1983.2	1945.9	1898.5	1878.0	1878.9	1867.7
5°	2146.1	2101.9	2001.9	1875.8	1778.6	1678.3	1592.0	1506.0	1455.3	1438.8	1423.2
7.5°	2075.8	2005.7	1846.2	1651.8	1487.4	1326.6	1186.8	1063.7	985.9	947.9	933.8
10°	1996.3	1897.9	1667.1	1411.0	1176.2	958.8	777.5	619.9	556.9	514.3	503.4
12.5°	1926.5	1793.2	1492.0	1164.0	885.2	623.0	450.1	352.0	309.3	292.5	289.7
15°	1860.8	1695.4	1323.5	940.4	613.0	383.4	286.3	252.9	243.0	240.2	240.2
17.5°	1798.8	1602.3	1158.7	720.2	405.6	268.8	237.0	229.6	226.5	226.1	226.5
20°	1734.0	1509.2	996.8	527.7	283.1	227.7	219.0	214.9	214.0	214.0	214.0
22.5°	1672.1	1416.0	839.1	376.9	227.1	207.8	203.4	200.6	199.7	199.4	198.7
25°	1612.6	1327.6	685.3	266.3	199.4	190.3	186.6	182.8	180.0	178.5	177.5
27.5°	1563.7	1248.8	542.0	213.7	180.0	172.3	167.6	162.0	155.1	152.0	150.8
30°	1524.7	1176.8	417.7	180.4	162.0	154.2	147.0	137.4	127.4	122.1	121.8
32.5°	1494.2	1106.1	317.1	159.5	145.8	136.1	125.8	113.7	102.2	96.2	95.9
35°	1479.3	1043.8	242.3	144.2	131.4	119.3	106.5	93.1	81.9	76.3	75.7
37.5°	1489.2	991.2	189.1	131.4	119.3	105.3	90.3	76.3	66.3	61.4	61.1
40°	1525.7	957.5	153.6	120.5	109.0	91.9	75.7	62.6	54.2	50.1	49.8
42.5°	1603.2	945.1	131.1	111.5	99.1	79.4	62.9	51.7	43.9	41.1	40.5
45°	1732.8	963.4	115.9	102.8	88.8	67.6	52.0	42.4	35.5	33.3	33.0
47.5°	1905.4	1011.7	105.0	94.4	79.4	57.0	43.3	34.3	29.0	26.8	26.5
50°	2127.8	1088.3	95.9	86.0	70.7	48.3	35.8	27.1	22.4	20.9	20.9
52.5°	2369.8	1179.6	87.8	78.2	62.0	40.2	29.0	20.9	17.8	15.9	15.9
55°	2569.8	1259.3	79.1	72.3	51.4	33.3	22.1	15.9	13.1	12.1	12.1
57.5°	2769.4	1344.4	69.2	62.0	41.1	27.1	16.8	11.8	9.7	9.0	9.0
60°	3028.3	1448.4	59.5	50.5	32.4	20.6	12.5	8.4	7.2	6.9	6.9
62.5°	3313.0	1509.5	50.8	40.5	25.2	15.3	9.0	5.6	5.3	5.3	5.0
65°	3487.1	1423.2	42.7	32.4	19.6	11.5	5.9	4.0	4.7	4.4	3.7
67.5°	3265.0	1114.2	34.9	25.2	15.3	8.7	3.7	2.8	5.0	4.0	3.1
70°	2703.4	780.0	27.1	17.8	12.1	7.5	2.5	1.9	5.3	4.0	2.5
72.5°	2023.1	522.1	21.5	11.8	9.0	6.5	2.2	0.9	4.7	3.4	2.2
75°	1105.5	210.3	17.1	7.5	5.6	4.7	1.6	0.6	3.1	2.5	1.6
77.5°	290.9	55.4	12.5	5.0	3.1	1.9	0.9	0.3	1.6	1.2	0.6
80°	74.1	21.5	8.1	3.4	2.2	0.9	0.0	0.0	0.3	0.0	0.0
82.5°	39.6	9.0	5.0	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	29.9	5.9	2.8	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.5	1.9	0.9	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)