

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: P322566

Luminaire Tested: **GAN-SA2C-740-U-T4FT-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322566  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2C-740-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10278 lumens  
Efficiency: N/A  
Efficacy: 91.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

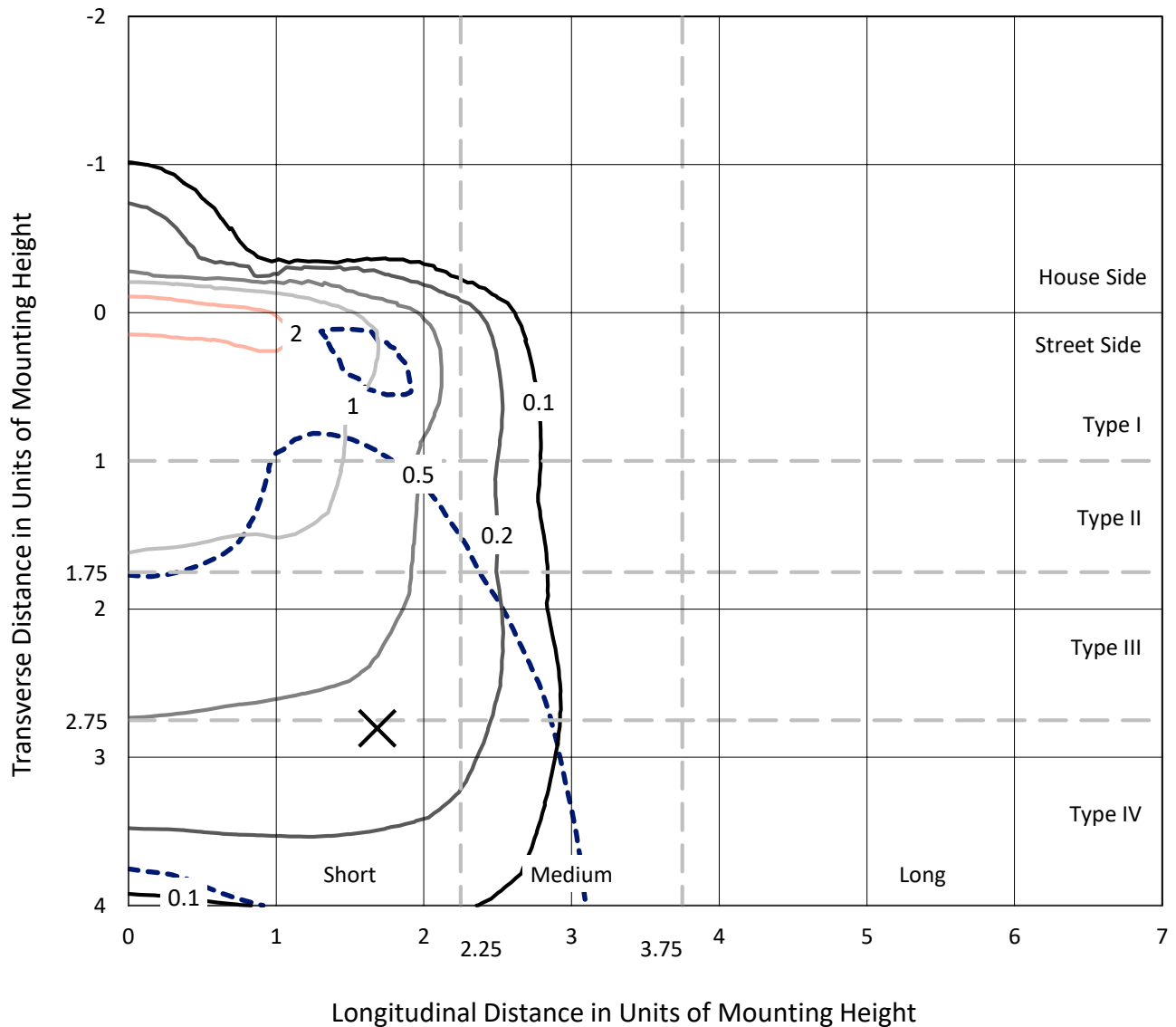
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P322566  
 CATALOG NUMBER: GAN-SA2C-740-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

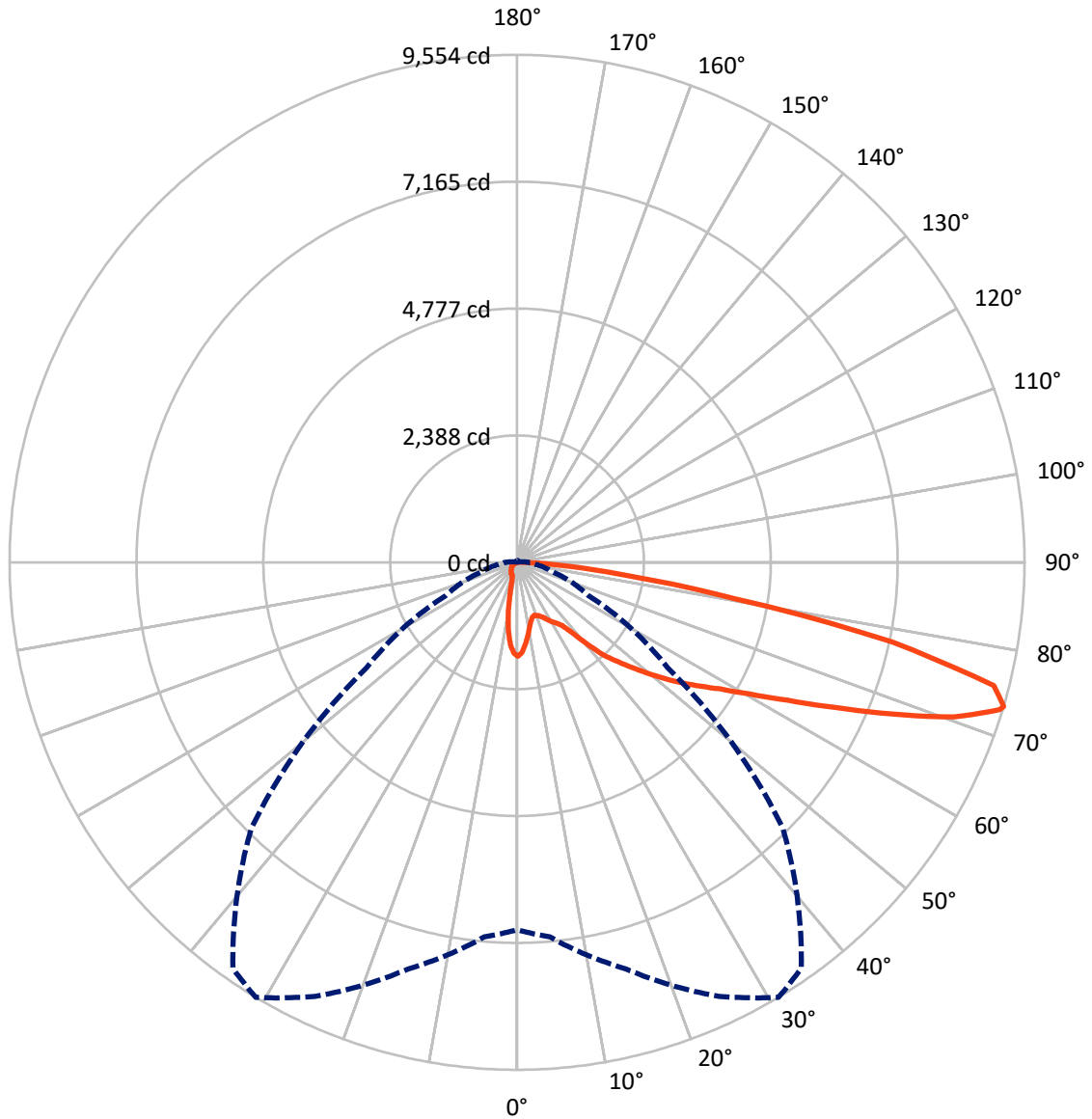
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P322566  
CATALOG NUMBER: GAN-SA2C-740-U-T4FT-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P322566  
 CATALOG NUMBER: GAN-SA2C-740-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	936.9	0.0	936.9
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	9341.1	0.0	9341.1
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	10278.0	0.0	10278.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.6	1.4
10°-20°	318.4	3.1
20°-30°	477.0	4.6
30°-40°	758.9	7.4
40°-50°	1355.2	13.2
50°-60°	2102.8	20.5
60°-70°	2795.4	27.2
70°-80°	2102.7	20.5
80°-90°	221.0	2.1
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°	10278.0	100.0
0°-180°	10278.0	100.0

**Coefficient of Utilization**



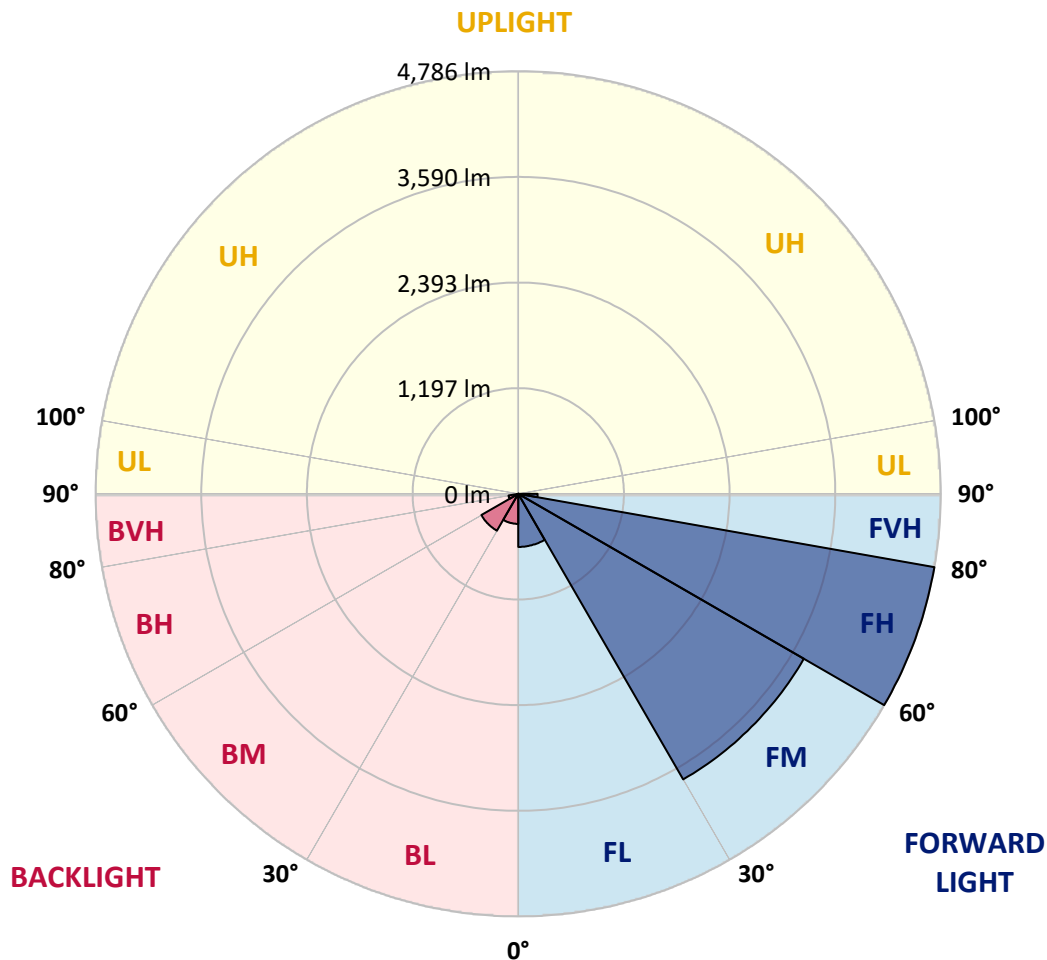
REPORT NUMBER: P322566  
 CATALOG NUMBER: GAN-SA2C-740-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	601.3	5.9			
FM (30°-60°)	3734.7	36.3			
FH (60°-80°)	4786.1	46.6			G2/5000
FVH (80°-90°)	219.1	2.1			G2/225
BL (0°-30°)	340.7	3.3	B1/500		
BM (30°-60°)	482.2	4.7	B1/1000		
BH (60°-80°)	112.1	1.1	B1/500		G1/500
BVH (80°-90°)	1.9	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 IV Short





REPORT NUMBER: P322566

CATALOG NUMBER: GAN-SA2C-740-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	1768.4	1768.4	1768.4	1768.4	1768.4	1768.4	1768.4	1768.4	1768.4	1768.4	1768.4
2.5°	1675.8	1682.9	1690.4	1691.9	1704.5	1705.0	1723.1	1736.7	1750.2	1763.3	1767.8
5°	1503.8	1515.4	1528.9	1542.5	1569.2	1579.7	1624.0	1669.3	1712.5	1753.8	1773.9
7.5°	1320.2	1333.3	1352.4	1386.1	1415.8	1436.4	1506.3	1586.8	1667.3	1743.2	1787.0
10°	1152.7	1164.8	1184.9	1220.6	1266.4	1294.6	1388.6	1500.3	1618.5	1733.6	1806.6
12.5°	1046.1	1052.7	1063.7	1102.0	1143.2	1174.9	1285.5	1423.8	1578.2	1733.1	1838.3
15°	1026.5	1028.5	1019.5	1036.6	1068.8	1099.4	1211.6	1362.0	1547.6	1741.2	1879.5
17.5°	1057.7	1056.7	1026.5	1024.5	1050.1	1075.3	1175.4	1319.2	1525.9	1759.8	1932.8
20°	1105.0	1101.4	1049.1	1039.6	1066.7	1090.4	1172.9	1303.1	1517.9	1791.0	1997.7
22.5°	1167.8	1161.8	1079.8	1069.8	1098.9	1123.6	1204.0	1318.7	1524.9	1832.7	2073.1
25°	1245.8	1236.7	1132.6	1121.6	1151.2	1175.9	1259.9	1363.5	1546.0	1883.5	2168.7
27.5°	1333.8	1320.7	1217.1	1188.5	1222.2	1247.8	1334.3	1431.9	1579.2	1937.3	2285.9
30°	1416.8	1399.7	1306.1	1258.9	1300.1	1328.8	1414.8	1513.4	1632.6	2020.3	2446.3
32.5°	1500.3	1481.2	1385.6	1329.3	1366.5	1397.7	1497.8	1625.5	1732.6	2147.1	2659.6
35°	1692.4	1672.3	1555.1	1462.1	1461.6	1479.2	1613.9	1778.9	1864.9	2323.6	2914.1
37.5°	2015.8	2004.2	1892.6	1716.0	1668.8	1649.2	1772.4	1962.0	2055.0	2566.5	3201.2
40°	2369.9	2359.8	2234.6	2074.6	2002.7	1954.4	1999.7	2217.0	2323.6	2863.3	3494.5
42.5°	2769.7	2721.9	2498.6	2450.8	2386.5	2349.8	2309.0	2531.3	2653.5	3186.1	3785.2
45°	3132.8	3052.4	2762.7	2690.2	2675.7	2684.7	2707.3	2953.8	3024.7	3569.9	4074.9
47.5°	3349.1	3285.7	3063.4	2994.0	2990.0	3049.9	3220.9	3431.1	3394.4	3904.4	4329.8
50°	3554.8	3497.5	3312.9	3330.0	3348.6	3430.1	3803.8	3922.0	3731.8	4207.6	4563.7
52.5°	3721.3	3633.8	3537.2	3633.3	3724.8	3856.1	4405.3	4362.5	3971.2	4449.0	4763.9
55°	3817.3	3777.6	3824.4	3921.0	4093.0	4306.2	4973.1	4729.2	4146.3	4669.3	4897.2
57.5°	4169.4	4091.4	4184.5	4268.0	4492.3	4790.5	5459.5	5002.3	4272.5	4805.6	4927.8
60°	4595.4	4532.5	4587.4	4726.2	5028.9	5379.5	5914.1	5225.1	4338.4	4893.1	4848.4
62.5°	5273.4	5190.4	5156.2	5311.6	5712.9	6095.7	6259.1	5379.5	4323.8	4854.4	4575.8
65°	6181.7	6095.7	5942.8	6083.6	6594.1	6864.2	6644.9	5412.2	4223.2	4541.1	3886.8
67.5°	7112.1	7049.8	6919.0	7156.4	7617.1	7704.1	7052.8	5332.7	3899.3	3682.1	2746.1
70°	7726.7	7700.1	7785.1	8310.1	8721.0	8695.9	7427.0	4905.7	3039.3	2264.3	1358.5
72.5°	7283.6	7411.4	8039.1	8991.1	9493.1	9287.9	7234.8	3767.1	1737.2	871.1	392.8
73°	6916.5	7079.9	7924.9	9016.8	9553.9	9329.1	7073.4	3457.7	1480.7	687.5	297.7
75°	4811.7	5012.3	6560.9	8397.7	9269.3	8888.5	5896.0	2116.4	686.0	304.8	120.2
77.5°	2336.2	2484.5	3612.6	6067.5	7208.7	6944.7	3670.5	788.6	309.8	190.6	55.3
80°	872.1	969.7	1568.2	3088.1	4165.9	4275.0	1614.5	298.2	206.2	153.4	28.2
82.5°	228.3	254.5	578.4	1377.1	2135.0	2234.6	509.0	150.4	150.9	126.2	17.1
85°	72.9	83.5	180.6	618.1	1005.9	883.2	132.8	72.9	109.6	94.1	9.6
87.5°	9.1	11.6	57.3	145.4	221.8	123.2	20.6	21.6	46.8	52.3	5.5
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: P322566  
 CATALOG NUMBER: GAN-SA2C-740-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1768.4	1768.4	1768.4	1768.4	1768.4	1768.4	1768.4	1768.4	1768.4	1768.4	1768.4
2.5°	1772.4	1769.9	1770.4	1757.3	1748.7	1731.6	1714.0	1706.0	1697.4	1693.9	1697.4
5°	1781.4	1776.9	1763.8	1723.6	1680.8	1625.5	1573.7	1534.5	1485.2	1471.6	1485.7
7.5°	1795.5	1786.5	1748.2	1666.3	1571.2	1465.6	1346.9	1260.4	1189.5	1143.7	1160.3
10°	1816.1	1799.0	1722.1	1582.8	1412.8	1225.7	1057.2	925.9	832.9	794.7	793.1
12.5°	1850.8	1818.6	1689.9	1474.1	1219.1	969.7	748.9	606.6	531.1	482.3	481.3
15°	1889.1	1841.8	1649.2	1343.9	993.8	694.6	482.3	374.2	325.4	309.8	307.8
17.5°	1935.8	1868.4	1596.3	1183.4	757.9	460.2	314.8	283.7	281.6	280.1	280.1
20°	1994.7	1900.1	1528.4	999.9	537.6	307.3	267.6	269.6	270.6	268.6	269.1
22.5°	2063.1	1932.3	1447.5	802.7	363.6	257.0	256.0	258.5	259.5	258.5	259.0
25°	2142.5	1969.5	1348.9	596.0	262.5	243.9	246.4	250.0	252.5	252.5	252.5
27.5°	2241.1	2014.8	1230.2	415.9	226.8	230.3	237.4	243.9	247.4	248.5	248.5
30°	2369.4	2071.1	1087.9	285.2	206.2	212.2	225.3	237.9	244.4	245.4	245.9
32.5°	2531.3	2134.5	922.9	210.7	188.6	193.1	207.2	228.3	240.9	242.9	242.9
35°	2716.9	2207.9	745.4	183.6	176.0	177.5	188.6	212.7	234.9	240.4	240.9
37.5°	2920.1	2280.3	566.8	171.5	165.5	165.5	173.5	194.1	220.3	237.4	239.4
40°	3109.7	2324.1	397.3	161.9	155.9	155.9	163.0	178.0	202.7	228.3	233.9
42.5°	3284.7	2339.2	276.6	152.9	146.9	148.4	154.4	166.5	185.1	210.7	215.8
45°	3464.8	2336.7	201.7	142.3	137.8	142.3	146.9	155.9	169.5	184.1	185.1
47.5°	3600.6	2315.6	159.9	132.3	129.3	135.3	139.3	145.4	152.9	151.9	151.9
50°	3727.8	2264.3	128.8	118.7	120.7	127.7	129.8	131.8	132.3	122.7	121.7
52.5°	3824.4	2184.3	103.1	104.1	112.2	119.2	117.2	114.2	109.1	97.6	95.6
55°	3856.6	2030.4	81.0	86.0	99.6	108.6	101.1	94.6	85.0	75.4	73.4
57.5°	3798.2	1831.7	65.9	66.9	84.0	91.5	83.0	75.4	64.9	56.8	55.3
60°	3674.5	1610.9	54.3	50.3	64.9	71.4	65.9	58.3	48.8	42.8	42.2
62.5°	3429.1	1375.6	44.8	39.2	49.3	54.8	51.3	45.8	37.7	33.7	33.2
65°	2913.1	1100.4	36.2	31.7	38.2	42.8	39.7	35.7	29.7	26.7	26.2
67.5°	2033.4	743.9	29.7	26.2	30.2	33.7	31.2	29.2	23.6	23.1	23.6
70°	980.7	358.6	24.6	21.1	23.6	26.2	25.1	23.6	22.6	26.2	30.2
72.5°	281.1	120.2	19.6	17.6	19.1	20.6	21.6	21.1	24.6	31.7	36.7
73°	216.3	97.1	18.6	16.6	18.1	20.1	21.1	20.6	25.1	32.2	36.7
75°	92.5	46.8	14.1	13.6	15.1	17.6	18.6	18.6	25.1	32.7	35.2
77.5°	41.7	25.1	9.1	10.6	13.1	14.1	15.6	15.6	20.1	25.1	25.1
80°	23.6	13.6	7.0	8.0	9.6	9.6	9.6	8.6	9.1	10.1	11.1
82.5°	15.1	9.1	5.5	6.5	6.0	5.0	4.0	4.0	3.5	4.0	5.0
85°	8.6	5.0	5.0	4.0	2.5	2.0	2.5	2.0	0.5	0.0	0.5
87.5°	5.0	3.0	1.5	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)