

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: P852888

Luminaire Tested: **GLAN-SB7A-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852888  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15555 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

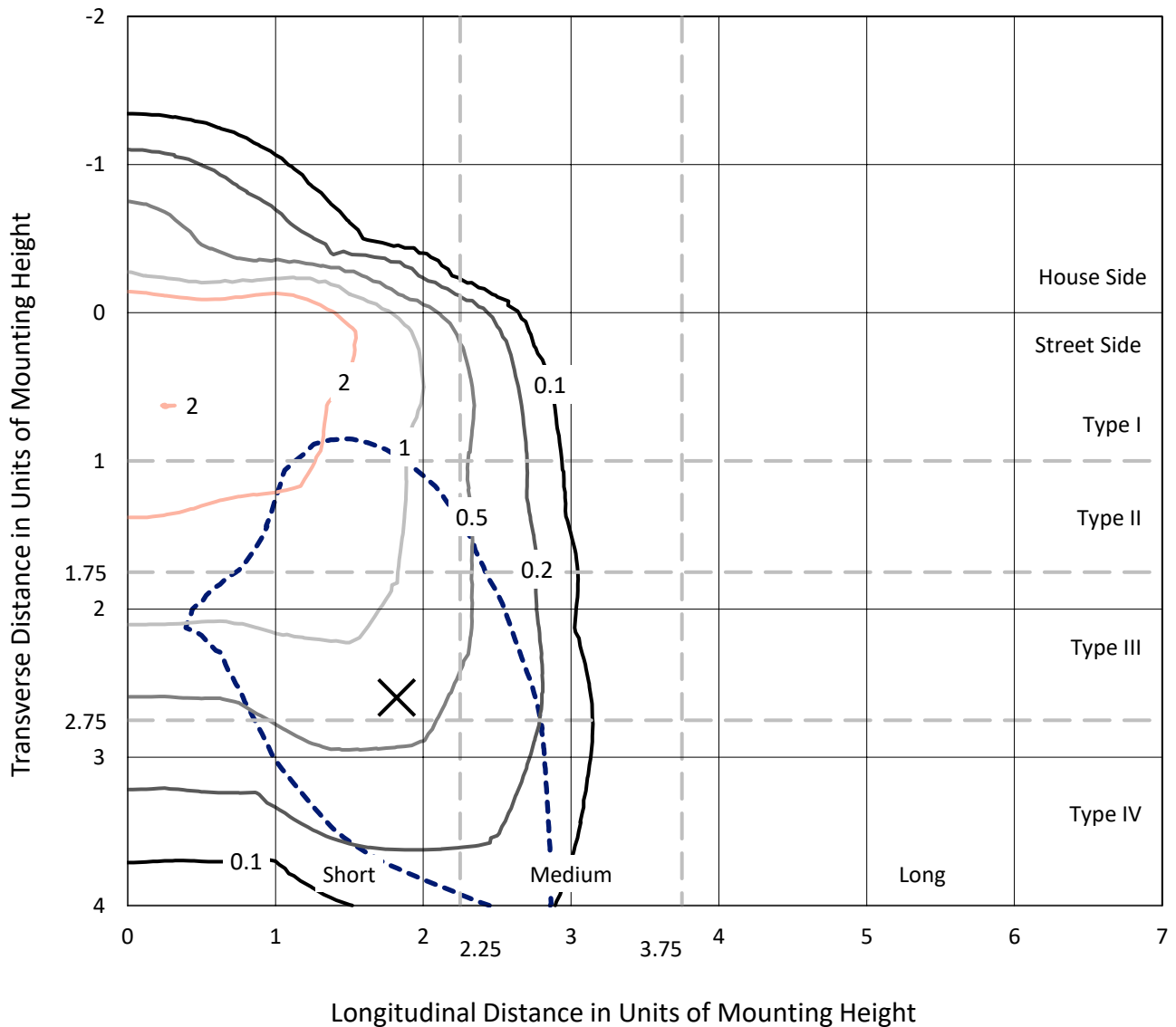
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

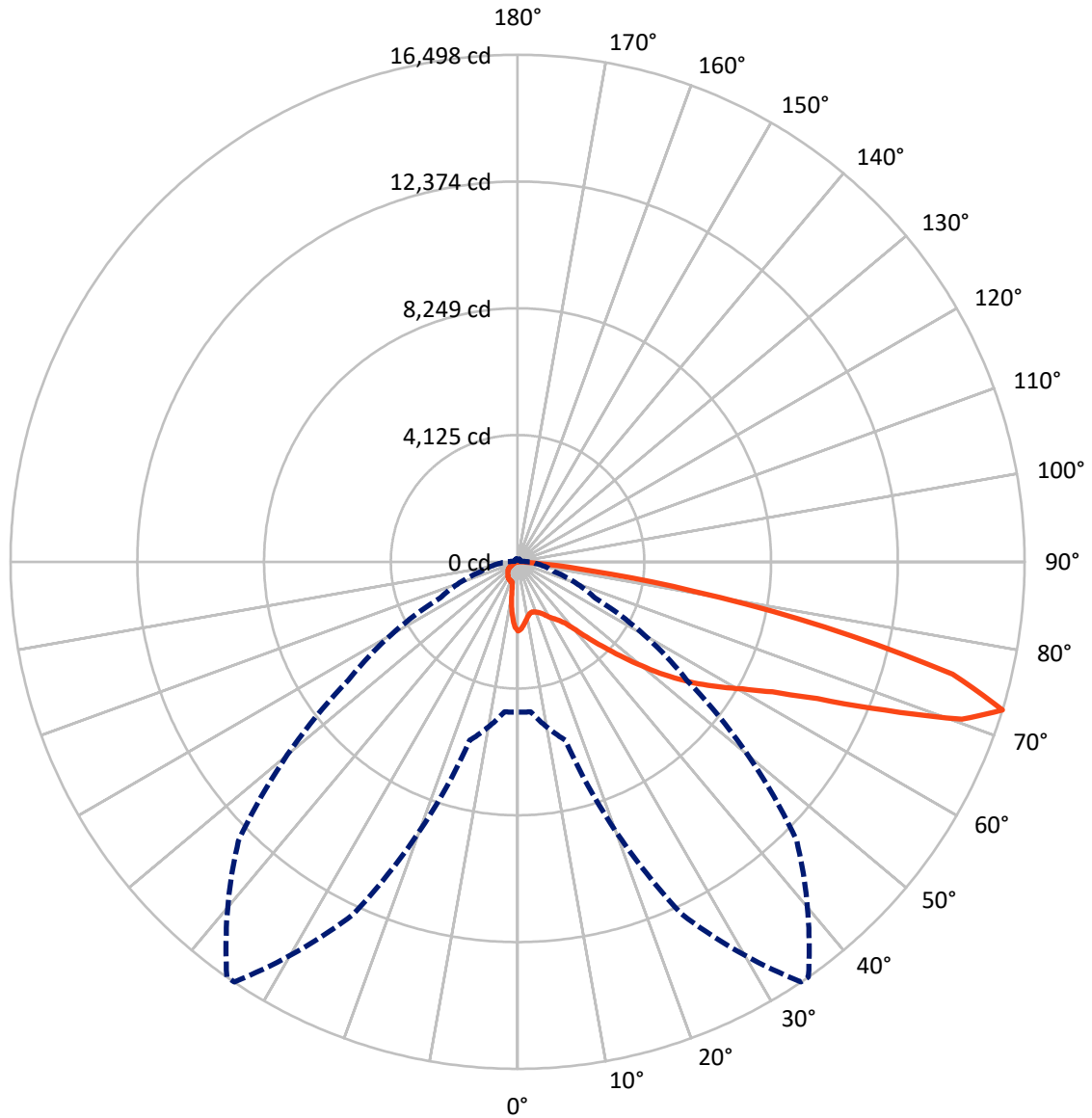
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1750.6	0.0	1750.6
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	13804.4	0.0	13804.4
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	15555.0	0.0	15555.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.3	1.2
10°-20°	433.4	2.8
20°-30°	704.0	4.5
30°-40°	1174.6	7.6
40°-50°	2222.5	14.3
50°-60°	3531.5	22.7
60°-70°	4368.7	28.1
70°-80°	2715.6	17.5
80°-90°	219.5	1.4
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°	15555.0	100.0
0°-180°	15555.0	100.0

**Coefficient of Utilization**



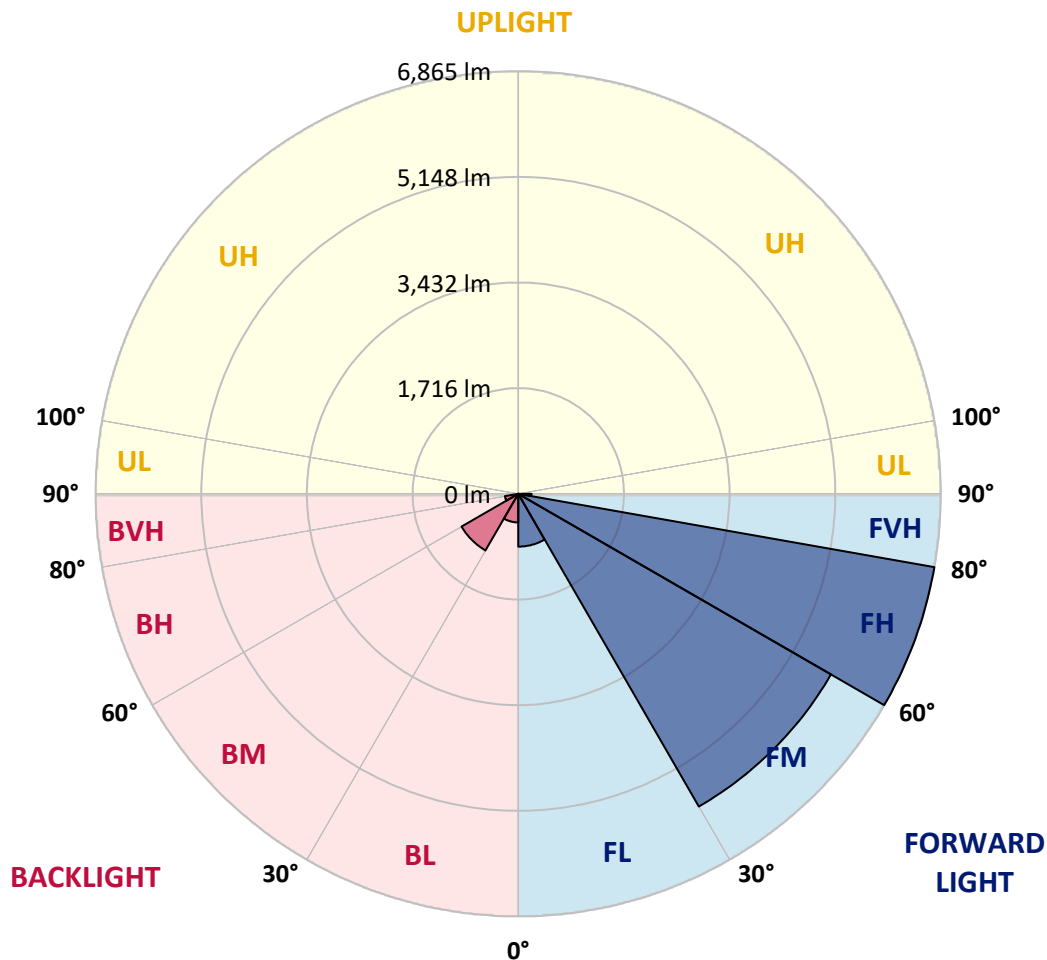
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	857.5	5.5			
FM (30°-60°)	5865.8	37.7			
FH (60°-80°)	6864.6	44.1			G3/7500
FVH (80°-90°)	216.5	1.4			G2/225
BL (0°-30°)	465.2	3.0	B1/500		
BM (30°-60°)	1062.8	6.8	B2/2500		
BH (60°-80°)	219.7	1.4	B1/500		G1/500
BVH (80°-90°)	3.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4
2.5°	2154.1	2172.4	2175.8	2181.5	2181.5	2188.3	2199.7	2215.7	2241.9	2255.6
5°	1985.5	1999.1	2016.2	2029.9	2056.1	2059.5	2104.0	2147.3	2207.7	2253.3
7.5°	1815.6	1831.6	1854.4	1887.4	1921.6	1931.9	1999.1	2072.1	2167.8	2253.3
10°	1696.0	1697.1	1717.6	1750.7	1805.4	1817.9	1900.0	2003.7	2123.4	2239.6
12.5°	1628.7	1636.7	1645.8	1670.9	1723.3	1731.3	1819.1	1941.0	2078.9	2231.6
15°	1628.7	1634.4	1640.1	1652.6	1694.8	1701.7	1779.2	1901.1	2056.1	2235.1
17.5°	1645.8	1654.9	1650.4	1665.2	1709.6	1714.2	1782.6	1889.7	2055.0	2256.7
20°	1686.8	1693.7	1684.6	1693.7	1738.1	1747.2	1817.9	1911.4	2074.4	2294.3
22.5°	1751.8	1755.2	1733.6	1740.4	1786.0	1797.4	1879.5	1972.9	2121.1	2354.7
25°	1833.9	1840.7	1807.7	1815.6	1858.9	1872.6	1967.2	2065.2	2195.2	2437.9
27.5°	1928.5	1931.9	1903.4	1902.3	1958.1	1977.5	2073.2	2179.2	2294.3	2542.8
30°	2036.7	2047.0	2019.7	2015.1	2085.8	2101.7	2196.3	2319.4	2440.2	2700.1
32.5°	2122.2	2130.2	2114.3	2125.6	2197.5	2210.0	2345.6	2517.7	2669.3	2923.5
35°	2245.3	2249.9	2213.4	2233.9	2316.0	2347.9	2549.6	2795.8	2957.7	3203.9
37.5°	2691.0	2691.0	2536.0	2434.5	2513.2	2541.7	2828.9	3145.7	3313.3	3580.0
40°	3307.6	3297.3	3070.5	2863.1	2852.8	2908.7	3226.7	3586.8	3772.6	4031.3
42.5°	3965.2	3949.3	3640.4	3435.2	3401.0	3420.4	3686.0	4130.5	4319.7	4581.8
45°	4548.8	4544.2	4261.6	3985.7	3924.2	3985.7	4259.3	4766.5	4902.1	5177.9
47.5°	5037.7	5037.7	4831.4	4651.4	4619.4	4655.9	5035.5	5472.0	5459.4	5812.8
50°	5600.8	5596.2	5400.2	5322.7	5355.7	5407.0	5929.0	6215.1	6036.2	6436.2
52.5°	5995.1	6022.5	5955.2	5942.7	6111.4	6200.3	6836.3	6942.3	6552.5	7027.7
55°	6307.4	6339.3	6416.8	6504.6	6829.4	6945.7	7715.0	7631.8	6984.4	7540.6
57.5°	6749.6	6704.1	6823.7	6997.0	7522.4	7662.6	8566.4	8282.6	7332.1	7956.6
60°	7286.5	7293.3	7313.8	7532.7	8214.2	8394.3	9405.3	8898.1	7555.5	8212.0
62.5°	7931.6	7941.8	7984.0	8320.2	9143.1	9313.0	10298.9	9401.9	7658.0	8140.2
65°	7887.1	7930.4	8401.2	9551.2	10555.3	10722.8	11341.7	9755.2	7503.0	7483.7
67.5°	7185.0	7255.7	8043.3	11021.5	12684.4	12871.3	12602.3	9824.7	6834.0	5819.6
70°	6264.1	6289.2	7236.3	12343.6	15149.7	15338.9	13730.7	9059.9	5185.9	3246.0
72.5°	4891.8	4897.5	6008.8	12650.2	16487.7	16498.0	12845.1	6725.7	2789.0	1246.9
75°	3494.5	3460.3	4024.5	10259.0	14505.7	14622.0	9629.8	3154.8	1065.7	589.3
77.5°	1873.8	1911.4	2277.2	6084.0	10020.8	10219.1	5254.3	909.5	542.5	401.2
80°	579.0	610.9	933.5	2785.6	5676.0	5795.7	1947.8	404.6	378.4	286.1
82.5°	182.4	189.2	435.4	1170.5	2355.9	2410.6	564.2	229.1	258.7	189.2
85°	52.4	53.6	193.8	436.5	582.4	593.8	158.4	88.9	148.2	117.4
87.5°	5.7	18.2	72.9	72.9	51.3	50.1	17.1	19.4	42.2	14.8
90°	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):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2254.4	0°	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4
2264.7	2.5°	2259.0	2260.1	2245.3	2220.2	2192.9	2170.1	2141.6	2118.8	2102.9	2098.3
2285.2	5°	2275.0	2267.0	2224.8	2148.4	2057.3	1978.6	1890.9	1821.3	1775.7	1756.4
2306.9	7.5°	2298.9	2276.1	2183.8	2033.3	1858.9	1703.9	1546.7	1424.7	1347.2	1308.4
2327.4	10°	2319.4	2273.8	2115.4	1866.9	1600.2	1365.4	1153.4	1006.4	924.3	885.6
2351.3	12.5°	2338.8	2272.7	2026.5	1669.7	1308.4	1021.2	824.0	751.1	728.3	720.3
2390.1	15°	2375.3	2276.1	1914.8	1444.1	1017.8	771.6	699.8	698.7	703.2	701.0
2449.3	17.5°	2425.4	2279.5	1788.3	1204.7	785.3	680.4	677.0	687.3	694.1	690.7
2523.4	20°	2490.4	2293.2	1653.8	967.7	674.7	657.6	665.6	674.7	680.4	674.7
2622.6	22.5°	2581.6	2317.1	1506.8	777.3	639.4	644.0	650.8	661.1	666.8	658.8
2749.1	25°	2693.2	2354.7	1362.0	675.9	622.3	628.0	638.3	649.7	656.5	648.5
2908.7	27.5°	2838.0	2415.1	1228.7	653.1	605.2	608.6	623.4	640.5	649.7	639.4
3135.5	30°	3047.7	2514.3	1113.5	663.3	595.0	587.0	607.5	631.4	641.7	632.6
3444.3	32.5°	3325.8	2654.5	1042.9	679.3	590.4	561.9	581.3	612.0	629.1	623.4
3847.8	35°	3690.5	2867.6	1015.5	697.5	587.0	535.7	549.4	582.4	612.0	617.7
4356.2	37.5°	4132.8	3164.0	1023.5	705.5	576.7	514.0	520.9	549.4	588.1	606.4
4928.3	40°	4635.4	3509.3	1069.1	697.5	565.3	495.8	496.9	518.6	552.8	580.1
5543.8	42.5°	5154.0	3912.8	1153.4	667.9	555.1	479.8	476.4	491.2	514.0	533.4
6158.1	45°	5647.5	4327.7	1236.6	626.9	542.5	463.9	455.9	461.6	466.2	474.1
6756.5	47.5°	6078.3	4619.4	1212.7	589.3	525.4	445.6	432.0	429.7	416.0	414.9
7291.0	50°	6375.8	4683.3	1077.1	551.6	500.4	425.1	403.5	389.8	365.9	354.5
7691.1	52.5°	6470.4	4431.4	879.9	514.0	459.3	397.8	367.0	345.3	315.7	305.5
7921.3	55°	6345.0	3937.9	703.2	468.4	402.3	361.3	327.1	298.6	274.7	262.1
7946.4	57.5°	6038.4	3309.9	556.2	414.9	341.9	320.3	286.1	257.6	237.1	224.5
7668.3	60°	5530.1	2628.3	439.9	351.0	291.8	275.8	240.5	222.3	204.0	189.2
6950.2	62.5°	4758.5	1876.0	345.3	278.1	243.9	225.7	205.2	191.5	169.8	149.3
5658.9	65°	3713.3	1147.7	266.7	204.0	196.0	186.9	174.4	161.8	135.6	115.1
3691.7	67.5°	2342.2	543.7	190.3	153.9	155.0	150.4	144.7	134.5	115.1	96.9
1653.8	70°	1031.5	263.3	125.4	117.4	115.1	115.1	119.7	116.3	98.0	80.9
574.4	72.5°	351.0	141.3	93.5	88.9	83.2	82.1	100.3	96.9	78.6	62.7
286.1	75°	183.5	94.6	68.4	63.8	50.1	60.4	79.8	75.2	55.8	41.0
189.2	77.5°	119.7	67.2	46.7	41.0	28.5	39.9	59.3	52.4	33.1	20.5
124.2	80°	75.2	44.5	27.4	19.4	13.7	21.7	31.9	22.8	12.5	4.6
72.9	82.5°	39.9	22.8	10.3	6.8	5.7	6.8	8.0	5.7	2.3	0.0
37.6	85°	16.0	8.0	3.4	2.3	1.1	0.0	2.3	1.1	0.0	0.0
6.8	87.5°	5.7	1.1	0.0	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

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180°
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2254.4
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