

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: P852742

Luminaire Tested: **GLAN-SB6A-827-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852742  
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-SB6A-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 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: 16421 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

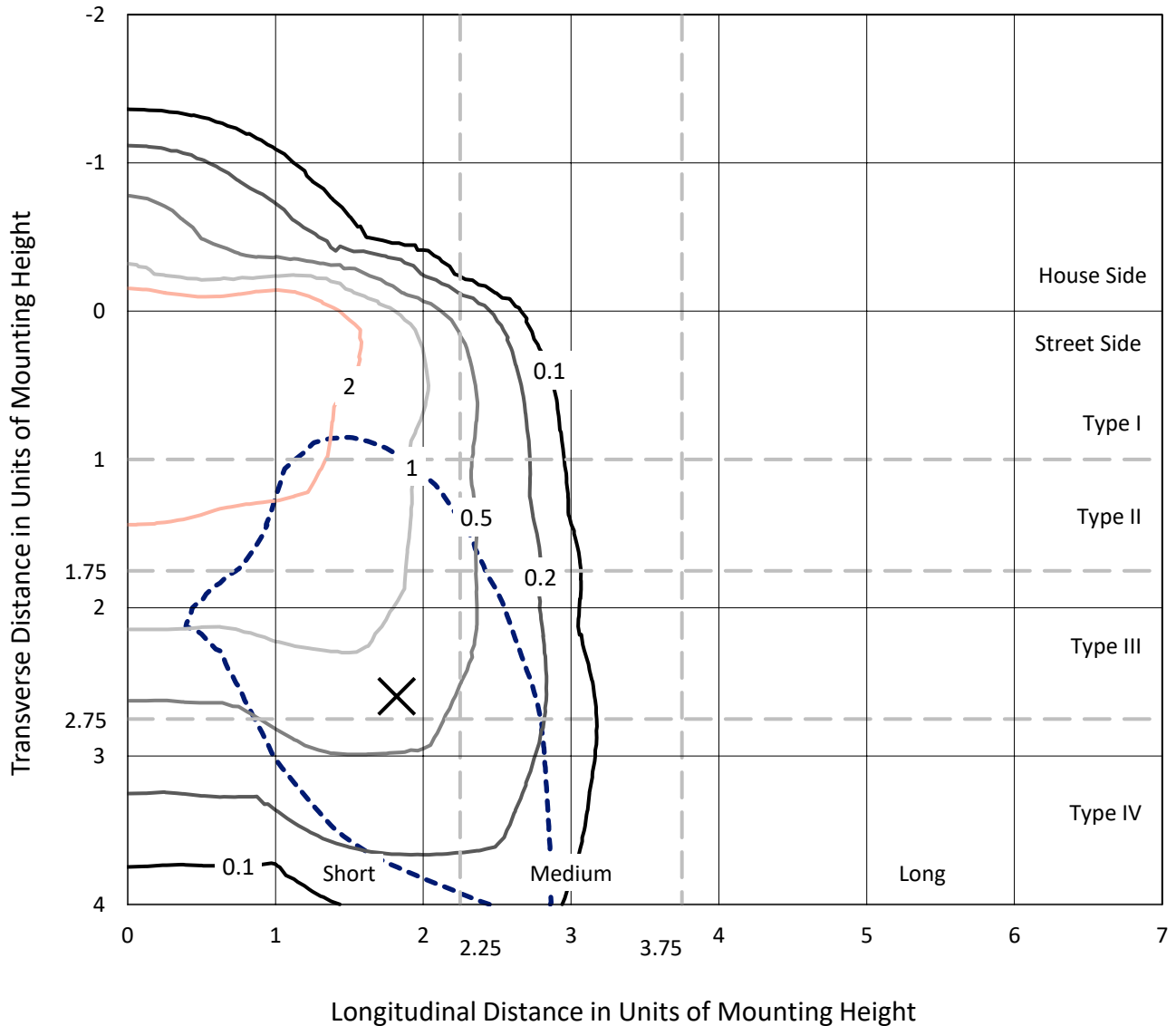
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

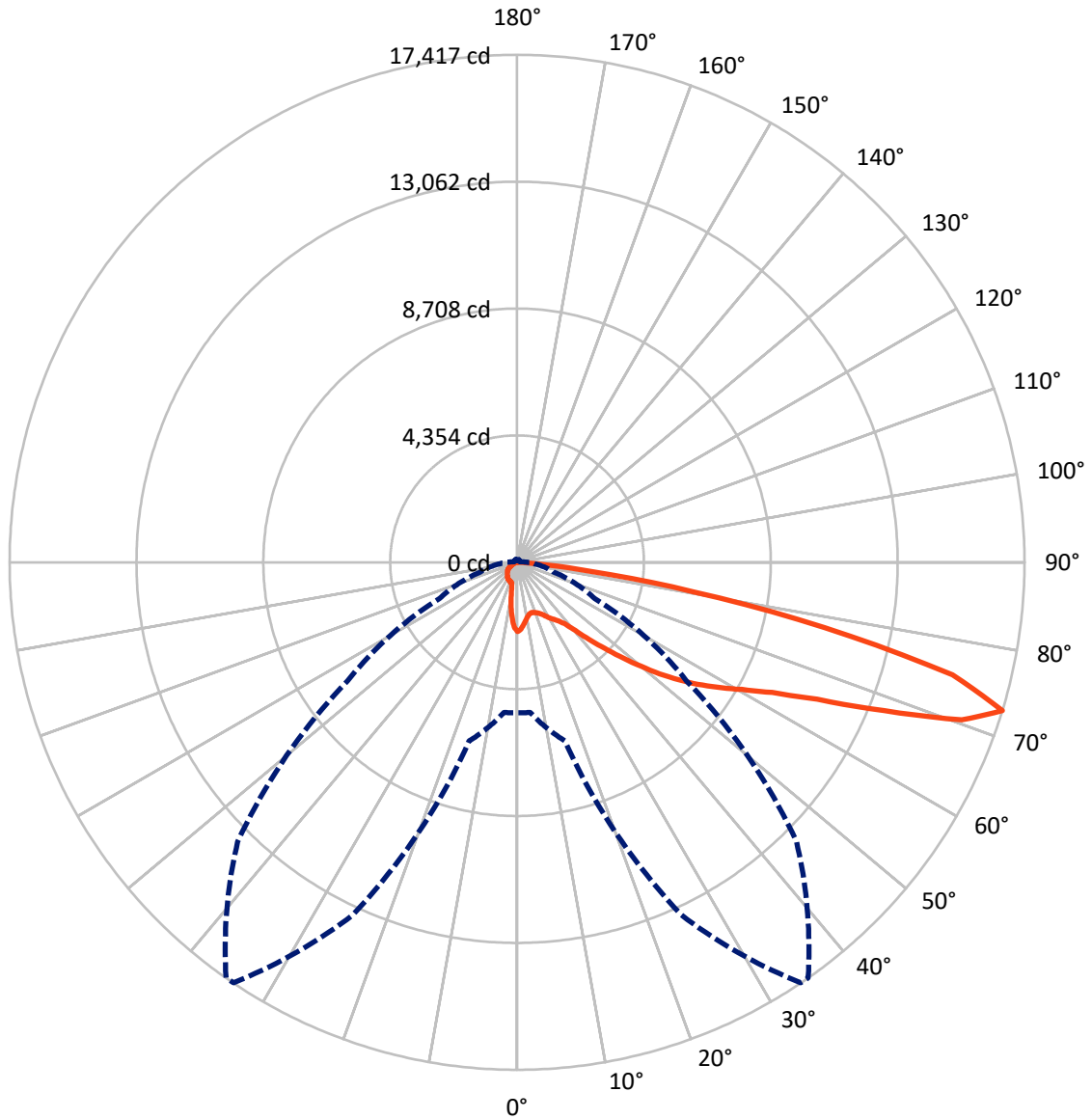
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	1848.1	0.0	1848.1
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	14572.9	0.0	14572.9
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	16421.0	0.0	16421.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.6	1.2
10°-20°	457.5	2.8
20°-30°	743.2	4.5
30°-40°	1240.0	7.6
40°-50°	2346.2	14.3
50°-60°	3728.1	22.7
60°-70°	4611.9	28.1
70°-80°	2866.8	17.5
80°-90°	231.7	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°	16421.0	100.0
0°-180°	16421.0	100.0

**Coefficient of Utilization**



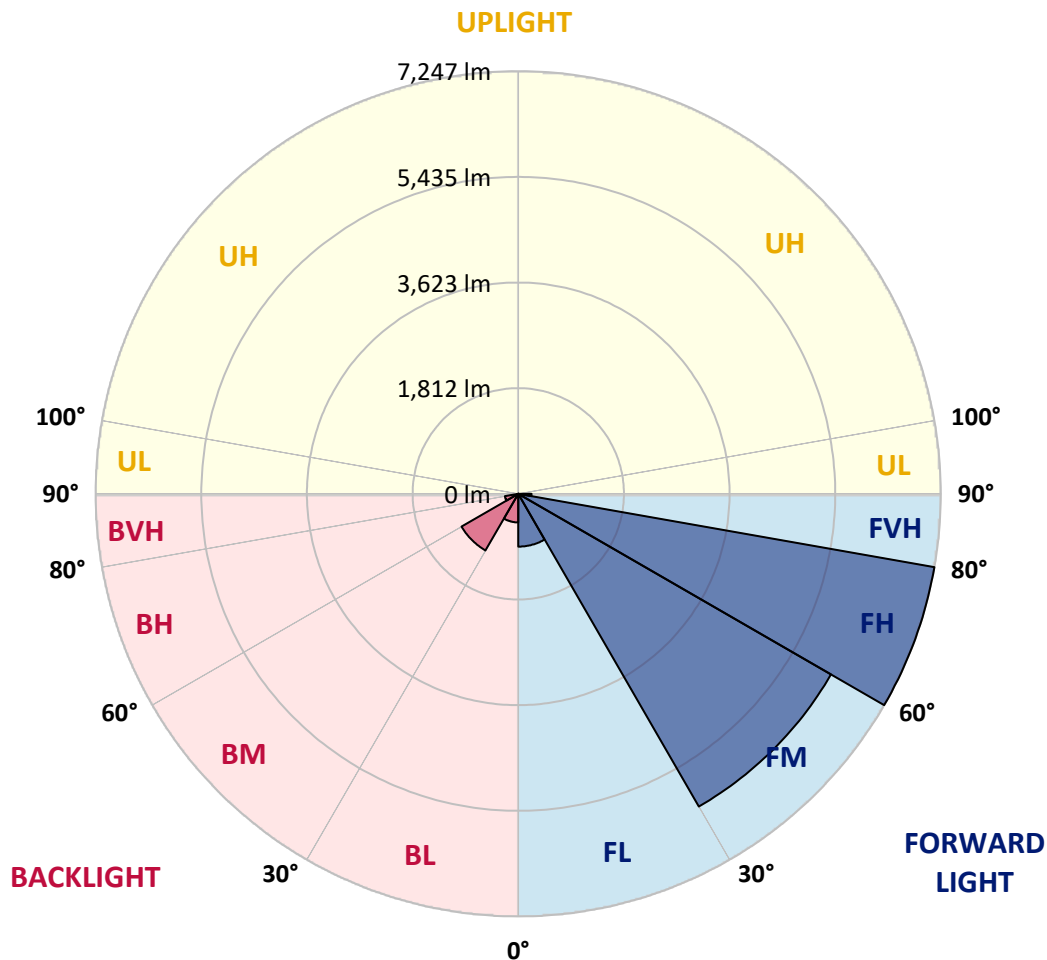
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	905.2	5.5			
FM (30°-60°)	6192.4	37.7			
FH (60°-80°)	7246.8	44.1			G3/7500
FVH (80°-90°)	228.5	1.4			G3/500
BL (0°-30°)	491.1	3.0	B1/500		
BM (30°-60°)	1122.0	6.8	B2/2500		
BH (60°-80°)	231.9	1.4	B1/500		G1/500
BVH (80°-90°)	3.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0
2.5°	2274.1	2293.3	2296.9	2302.9	2302.9	2310.2	2322.2	2339.0	2366.7	2381.2
5°	2096.0	2110.4	2128.5	2142.9	2170.6	2174.2	2221.1	2266.9	2330.6	2378.8
7.5°	1916.7	1933.6	1957.6	1992.5	2028.6	2039.4	2110.4	2187.4	2288.5	2378.8
10°	1790.4	1791.6	1813.2	1848.1	1905.9	1919.1	2005.8	2115.2	2241.6	2364.3
12.5°	1719.4	1727.8	1737.4	1763.9	1819.3	1827.7	1920.3	2049.1	2194.7	2355.9
15°	1719.4	1725.4	1731.4	1744.7	1789.2	1796.4	1878.2	2007.0	2170.6	2359.5
17.5°	1737.4	1747.1	1742.3	1757.9	1804.8	1809.6	1881.8	1994.9	2169.4	2382.4
20°	1780.8	1788.0	1778.3	1788.0	1834.9	1844.5	1919.1	2017.8	2189.8	2422.1
22.5°	1849.3	1852.9	1830.1	1837.3	1885.4	1897.5	1984.1	2082.8	2239.2	2485.8
25°	1936.0	1943.2	1908.3	1916.7	1962.4	1976.9	2076.7	2180.2	2317.4	2573.7
27.5°	2035.8	2039.4	2009.4	2008.2	2067.1	2087.6	2188.6	2300.5	2422.1	2684.4
30°	2150.1	2161.0	2132.1	2127.3	2201.9	2218.7	2318.6	2448.5	2576.1	2850.4
32.5°	2240.4	2248.8	2232.0	2244.0	2319.8	2333.0	2476.2	2657.9	2817.9	3086.2
35°	2370.3	2375.1	2336.6	2358.3	2444.9	2478.6	2691.6	2951.5	3122.3	3382.2
37.5°	2840.8	2840.8	2677.1	2570.1	2653.1	2683.2	2986.4	3320.9	3497.7	3779.3
40°	3491.7	3480.9	3241.5	3022.5	3011.6	3070.6	3406.3	3786.5	3982.6	4255.8
42.5°	4186.0	4169.1	3843.1	3626.5	3590.4	3610.8	3891.2	4360.4	4560.2	4836.9
45°	4802.0	4797.2	4498.8	4207.6	4142.7	4207.6	4496.4	5031.8	5175.0	5466.2
47.5°	5318.2	5318.2	5100.4	4910.3	4876.6	4915.1	5315.8	5776.6	5763.4	6136.4
50°	5912.6	5907.8	5700.8	5619.0	5653.9	5708.0	6259.1	6561.1	6372.2	6794.5
52.5°	6328.9	6357.8	6286.8	6273.5	6451.6	6545.5	7216.9	7328.8	6917.3	7419.0
55°	6658.6	6692.3	6774.1	6866.7	7209.6	7332.4	8144.5	8056.7	7373.3	7960.5
57.5°	7125.4	7077.3	7203.6	7386.5	7941.2	8089.2	9043.3	8743.7	7740.3	8399.6
60°	7692.1	7699.4	7721.0	7952.0	8671.5	8861.7	9928.9	9393.5	7976.1	8669.1
62.5°	8373.2	8384.0	8428.5	8783.4	9652.2	9831.4	10872.2	9925.3	8084.4	8593.3
65°	8326.2	8371.9	8868.9	10082.9	11142.9	11319.8	11973.2	10298.3	7920.7	7900.3
67.5°	7585.0	7659.6	8491.1	11635.1	13390.5	13587.9	13303.9	10371.7	7214.5	6143.6
70°	6612.9	6639.3	7639.2	13030.8	15993.1	16192.8	14495.1	9564.3	5474.6	3426.7
72.5°	5164.2	5170.2	6343.3	13354.5	17405.7	17416.5	13560.2	7100.2	2944.3	1316.3
75°	3689.0	3653.0	4248.5	10830.1	15313.3	15436.0	10165.9	3330.5	1125.0	622.1
77.5°	1978.1	2017.8	2404.0	6422.7	10578.6	10788.0	5546.8	960.2	572.7	423.5
80°	611.2	644.9	985.4	2940.7	5992.0	6118.3	2056.3	427.1	399.5	302.0
82.5°	192.5	199.7	459.6	1235.7	2487.0	2544.8	595.6	241.8	273.1	199.7
85°	55.3	56.6	204.5	460.8	614.8	626.9	167.2	93.9	156.4	123.9
87.5°	6.0	19.3	77.0	77.0	54.1	52.9	18.0	20.5	44.5	15.6
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°
2380.0	0°	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0
2390.8	2.5°	2384.8	2386.0	2370.3	2343.9	2315.0	2290.9	2260.8	2236.8	2219.9	2215.1
2412.4	5°	2401.6	2393.2	2348.7	2268.1	2171.8	2088.8	1996.1	1922.7	1874.6	1854.1
2435.3	7.5°	2426.9	2402.8	2305.4	2146.5	1962.4	1798.8	1632.8	1504.0	1422.2	1381.3
2457.0	10°	2448.5	2400.4	2233.2	1970.9	1689.3	1441.4	1217.7	1062.4	975.8	934.9
2482.2	12.5°	2469.0	2399.2	2139.3	1762.7	1381.3	1078.1	869.9	792.9	768.9	760.4
2523.1	15°	2507.5	2402.8	2021.4	1524.5	1074.5	814.6	738.8	737.6	742.4	740.0
2585.7	17.5°	2560.4	2406.4	1887.8	1271.8	829.0	718.3	714.7	725.5	732.8	729.1
2663.9	20°	2629.0	2420.9	1745.9	1021.5	712.3	694.3	702.7	712.3	718.3	712.3
2768.6	22.5°	2725.3	2446.1	1590.6	820.6	675.0	679.8	687.0	697.9	703.9	695.5
2902.1	25°	2843.2	2485.8	1437.8	713.5	657.0	663.0	673.8	685.8	693.1	684.6
3070.6	27.5°	2996.0	2549.6	1297.1	689.4	638.9	642.5	658.2	676.2	685.8	675.0
3310.0	30°	3217.4	2654.3	1175.5	700.3	628.1	619.7	641.3	666.6	677.4	667.8
3636.1	32.5°	3511.0	2802.3	1100.9	717.1	623.3	593.2	613.6	646.1	664.2	658.2
4062.0	35°	3896.0	3027.3	1072.1	736.4	619.7	565.5	579.9	614.8	646.1	652.1
4598.7	37.5°	4362.8	3340.1	1080.5	744.8	608.8	542.6	549.9	579.9	620.9	640.1
5202.7	40°	4893.5	3704.7	1128.6	736.4	596.8	523.4	524.6	547.5	583.6	612.4
5852.4	42.5°	5440.9	4130.6	1217.7	705.1	586.0	506.6	502.9	518.6	542.6	563.1
6501.0	45°	5961.9	4568.6	1305.5	661.8	572.7	489.7	481.3	487.3	492.1	500.5
7132.6	47.5°	6416.7	4876.6	1280.2	622.1	554.7	470.5	456.0	453.6	439.2	438.0
7696.9	50°	6730.8	4944.0	1137.0	582.4	528.2	448.8	425.9	411.5	386.2	374.2
8119.3	52.5°	6830.6	4678.1	928.9	542.6	484.9	419.9	387.4	364.6	333.3	322.5
8362.3	55°	6698.3	4157.1	742.4	494.5	424.7	381.4	345.3	315.2	290.0	276.7
8388.8	57.5°	6374.6	3494.1	587.2	438.0	361.0	338.1	302.0	271.9	250.3	237.0
8095.2	60°	5838.0	2774.6	464.4	370.6	308.0	291.2	253.9	234.6	215.4	199.7
7337.2	62.5°	5023.4	1980.5	364.6	293.6	257.5	238.2	216.6	202.1	179.3	157.6
5973.9	65°	3920.1	1211.6	281.6	215.4	207.0	197.3	184.1	170.9	143.2	121.5
3897.2	67.5°	2472.6	573.9	200.9	162.4	163.6	158.8	152.8	142.0	121.5	102.3
1745.9	70°	1088.9	277.9	132.4	123.9	121.5	121.5	126.3	122.7	103.5	85.4
606.4	72.5°	370.6	149.2	98.7	93.9	87.8	86.6	105.9	102.3	83.0	66.2
302.0	75°	193.7	99.9	72.2	67.4	52.9	63.8	84.2	79.4	59.0	43.3
199.7	77.5°	126.3	71.0	49.3	43.3	30.1	42.1	62.6	55.3	34.9	21.7
131.2	80°	79.4	46.9	28.9	20.5	14.4	22.9	33.7	24.1	13.2	4.8
77.0	82.5°	42.1	24.1	10.8	7.2	6.0	7.2	8.4	6.0	2.4	0.0
39.7	85°	16.8	8.4	3.6	2.4	1.2	0.0	2.4	1.2	0.0	0.0
7.2	87.5°	6.0	1.2	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°
<hr/>
2380.0
2223.5
1861.4
1387.3
936.1
758.0
738.8
727.9
711.1
694.3
683.4
675.0
666.6
658.2
652.1
644.9
622.1
571.5
505.3
436.8
375.4
321.3
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