

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: P852686

Luminaire Tested: **GLAN-SB5C-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852686
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-SB5C-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 615mA 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: 19324 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

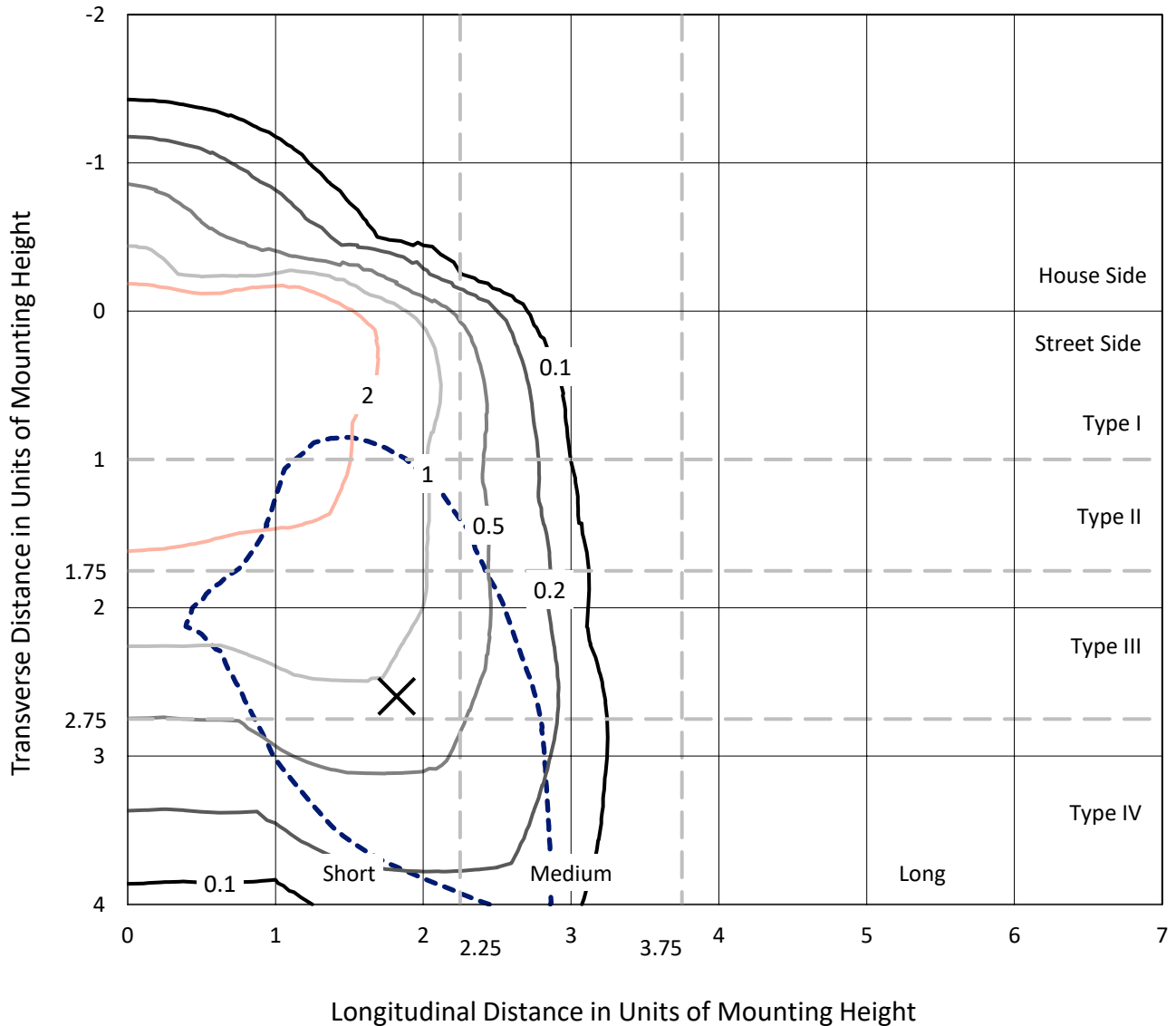
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

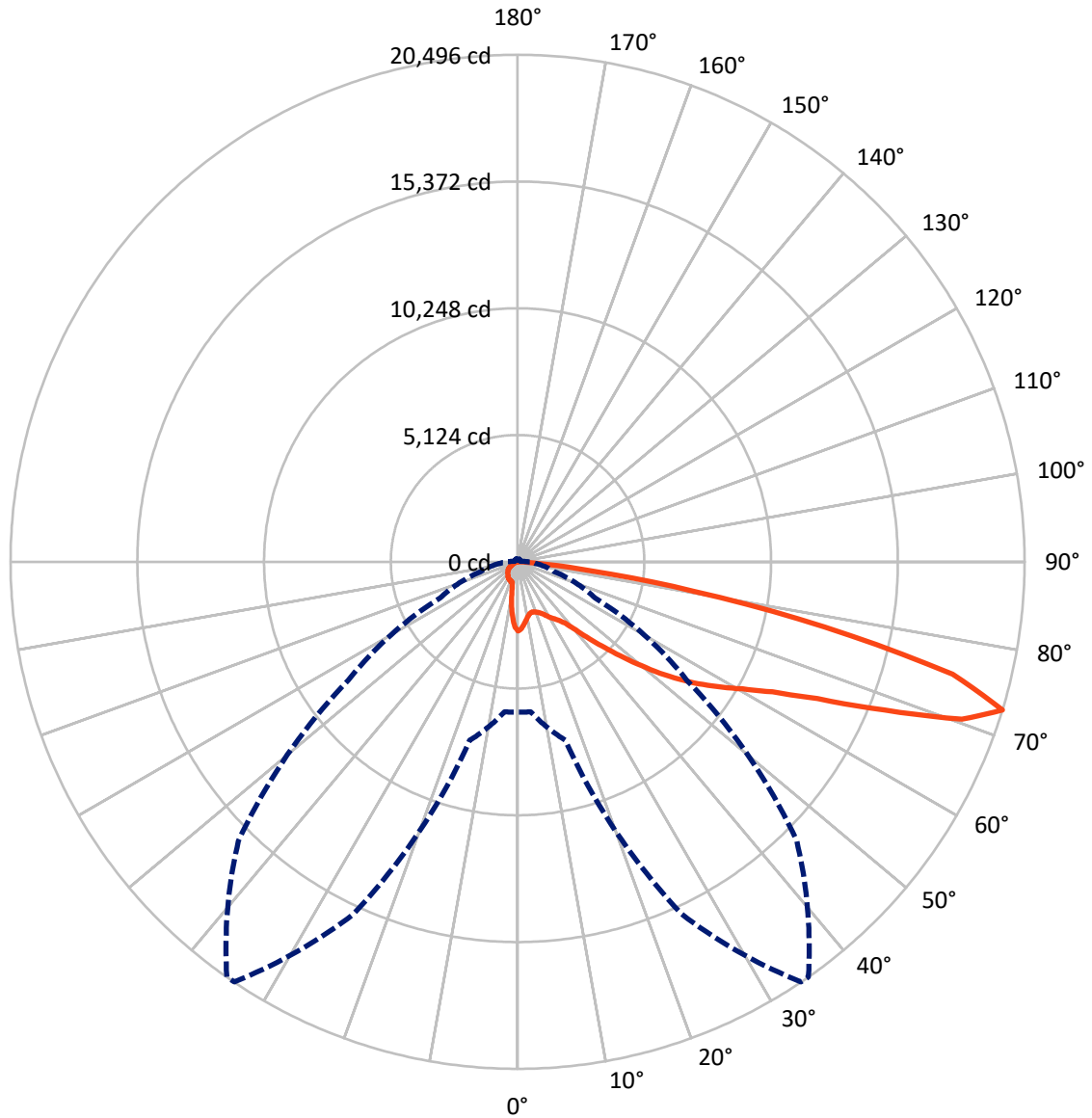
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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
House Side	Lumens	2174.8	0.0	2174.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	17149.2	0.0	17149.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	19324.0	0.0	19324.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.1	1.2
10°-20°	538.4	2.8
20°-30°	874.6	4.5
30°-40°	1459.3	7.6
40°-50°	2761.0	14.3
50°-60°	4387.2	22.7
60°-70°	5427.2	28.1
70°-80°	3373.6	17.5
80°-90°	272.6	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°	19324.0	100.0
0°-180°	19324.0	100.0

Coefficient of Utilization



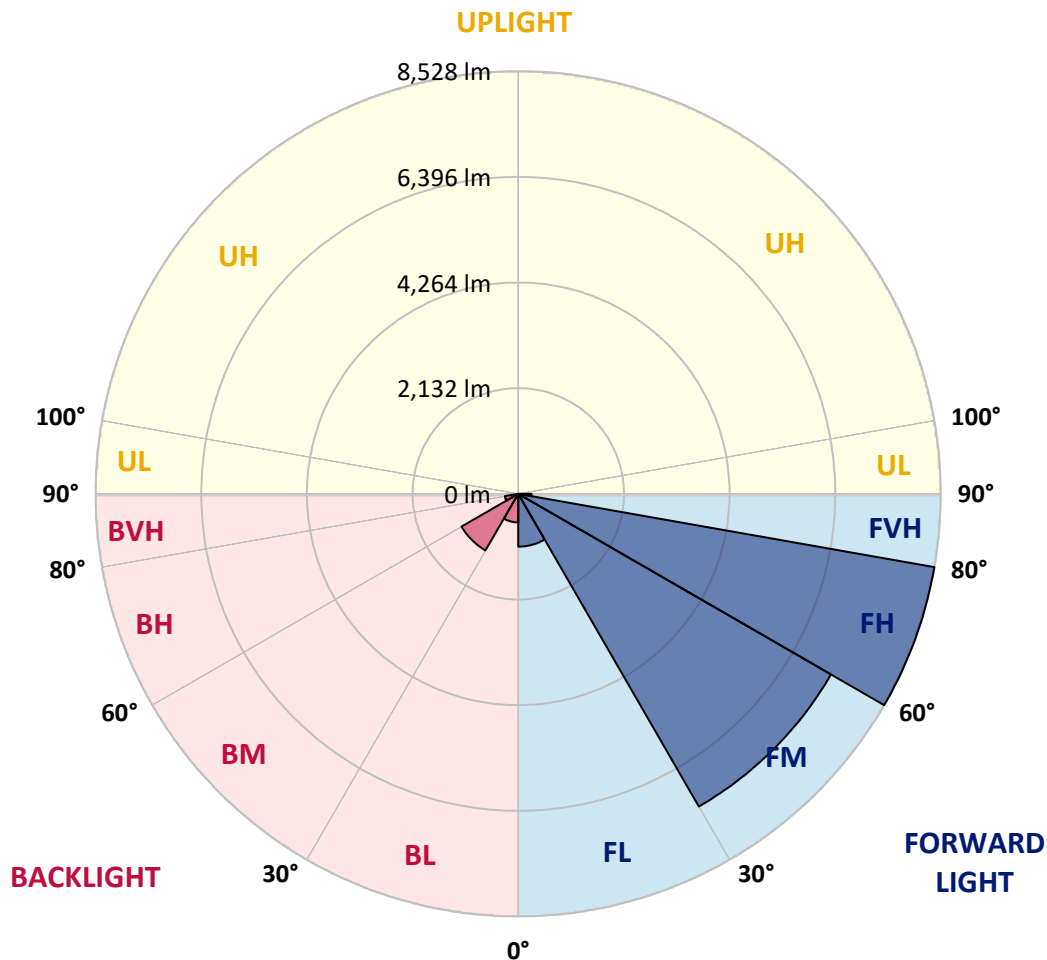
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1065.2	5.5			
FM (30°-60°)	7287.1	37.7			
FH (60°-80°)	8527.9	44.1			G4/12000
FVH (80°-90°)	268.9	1.4			G3/500
BL (0°-30°)	577.9	3.0	B2/1000		
BM (30°-60°)	1320.3	6.8	B2/2500		
BH (60°-80°)	272.9	1.4	B1/500		G1/500
BVH (80°-90°)	3.7	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7
2.5°	2676.1	2698.7	2703.0	2710.1	2710.1	2718.6	2732.7	2752.6	2785.1	2802.1
5°	2466.5	2483.5	2504.8	2521.8	2554.3	2558.6	2613.8	2667.6	2742.6	2799.3
7.5°	2255.6	2275.4	2303.7	2344.8	2387.2	2400.0	2483.5	2574.1	2693.1	2799.3
10°	2106.9	2108.3	2133.8	2174.9	2242.8	2258.4	2360.3	2489.2	2637.9	2782.3
12.5°	2023.4	2033.3	2044.6	2075.7	2140.9	2150.8	2259.8	2411.3	2582.6	2772.4
15°	2023.4	2030.4	2037.5	2053.1	2105.5	2114.0	2210.3	2361.8	2554.3	2776.6
17.5°	2044.6	2055.9	2050.3	2068.7	2123.9	2129.5	2214.5	2347.6	2552.9	2803.5
20°	2095.6	2104.1	2092.7	2104.1	2159.3	2170.6	2258.4	2374.5	2577.0	2850.3
22.5°	2176.3	2180.5	2153.6	2162.1	2218.8	2232.9	2334.9	2451.0	2635.0	2925.3
25°	2278.2	2286.7	2245.7	2255.6	2309.4	2326.4	2443.9	2565.7	2727.1	3028.7
27.5°	2395.7	2400.0	2364.6	2363.2	2432.6	2456.6	2575.6	2707.2	2850.3	3158.9
30°	2530.3	2543.0	2509.0	2503.4	2591.1	2611.0	2728.5	2881.4	3031.5	3354.3
32.5°	2636.4	2646.4	2626.5	2640.7	2729.9	2745.5	2914.0	3127.8	3316.1	3631.8
35°	2789.4	2795.0	2749.7	2775.2	2877.2	2916.8	3167.4	3473.3	3674.3	3980.2
37.5°	3343.0	3343.0	3150.4	3024.4	3122.1	3157.5	3514.3	3907.9	4116.1	4447.4
40°	4109.0	4096.3	3814.5	3556.8	3544.1	3613.4	4008.5	4455.9	4686.7	5008.1
42.5°	4926.0	4906.2	4522.5	4267.6	4225.1	4249.2	4579.1	5131.3	5366.3	5692.0
45°	5650.9	5645.3	5294.1	4951.5	4875.0	4951.5	5291.3	5921.4	6089.9	6432.5
47.5°	6258.4	6258.4	6002.1	5778.4	5738.7	5784.0	6255.5	6797.8	6782.3	7221.2
50°	6957.8	6952.2	6708.6	6612.4	6653.4	6717.1	7365.6	7721.0	7498.7	7995.7
52.5°	7447.8	7481.7	7398.2	7382.6	7592.2	7702.6	8492.7	8624.4	8140.1	8730.6
55°	7835.7	7875.4	7971.6	8080.7	8484.2	8628.6	9584.4	9481.0	8676.8	9367.7
57.5°	8385.1	8328.5	8477.1	8692.4	9345.1	9519.2	10642.1	10289.5	9108.6	9884.6
60°	9052.0	9060.5	9086.0	9357.8	10204.6	10428.3	11684.2	11054.1	9386.2	10201.7
62.5°	9853.4	9866.2	9918.5	10336.2	11358.5	11569.5	12794.3	11679.9	9513.6	10112.5
65°	9798.2	9852.0	10436.8	11865.4	13112.9	13321.0	14089.8	12118.9	9321.0	9296.9
67.5°	8926.0	9013.8	9992.2	13692.0	15757.8	15990.0	15655.9	12205.3	8489.9	7229.7
70°	7781.9	7813.1	8989.7	15334.4	18820.4	19055.5	17057.6	11255.2	6442.4	4032.5
72.5°	6077.1	6084.2	7464.7	15715.3	20482.7	20495.5	15957.5	8355.4	3464.8	1549.0
75°	4341.2	4298.7	4999.6	12744.7	18020.5	18164.9	11963.1	3919.3	1323.9	732.0
77.5°	2327.8	2374.5	2829.0	7558.2	12448.8	12695.2	6527.4	1129.9	674.0	498.4
80°	719.3	758.9	1159.6	3460.5	7051.3	7200.0	2419.8	502.7	470.1	355.4
82.5°	226.5	235.0	540.9	1454.2	2926.7	2994.7	700.9	284.6	321.4	235.0
85°	65.1	66.5	240.7	542.3	723.5	737.7	196.8	110.4	184.1	145.8
87.5°	7.1	22.7	90.6	90.6	63.7	62.3	21.2	24.1	52.4	18.4
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°
2800.7	0°	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7
2813.4	2.5°	2806.4	2807.8	2789.4	2758.2	2724.2	2695.9	2660.5	2632.2	2612.4	2606.7
2838.9	5°	2826.2	2816.3	2763.9	2669.0	2555.7	2458.0	2349.0	2262.6	2206.0	2181.9
2865.8	7.5°	2855.9	2827.6	2712.9	2526.0	2309.4	2116.8	1921.4	1769.9	1673.6	1625.5
2891.3	10°	2881.4	2824.8	2628.0	2319.3	1988.0	1696.3	1432.9	1250.3	1148.3	1100.2
2921.0	12.5°	2905.5	2823.4	2517.5	2074.3	1625.5	1268.7	1023.7	933.1	904.8	894.9
2969.2	15°	2950.8	2827.6	2378.8	1794.0	1264.4	958.6	869.4	868.0	873.6	870.8
3042.8	17.5°	3013.1	2831.8	2221.6	1496.6	975.6	845.3	841.1	853.8	862.3	858.0
3134.9	20°	3093.8	2848.8	2054.5	1202.1	838.2	817.0	826.9	838.2	845.3	838.2
3258.0	22.5°	3207.1	2878.6	1871.9	965.7	794.3	800.0	808.5	821.2	828.3	818.4
3415.2	25°	3345.8	2925.3	1692.0	839.6	773.1	780.2	792.9	807.1	815.6	805.7
3613.4	27.5°	3525.6	3000.3	1526.4	811.3	751.9	756.1	774.5	795.7	807.1	794.3
3895.2	30°	3786.2	3123.5	1383.4	824.1	739.1	729.2	754.7	784.4	797.2	785.8
4278.9	32.5°	4131.7	3297.7	1295.6	843.9	733.4	698.0	722.1	760.4	781.6	774.5
4780.2	35°	4584.8	3562.5	1261.6	866.5	729.2	665.5	682.5	723.5	760.4	767.4
5411.7	37.5°	5134.1	3930.6	1271.5	876.5	716.5	638.6	647.1	682.5	730.6	753.3
6122.5	40°	5758.6	4359.6	1328.1	866.5	702.3	615.9	617.3	644.2	686.7	720.7
6887.0	42.5°	6402.8	4860.9	1432.9	829.7	689.6	596.1	591.9	610.3	638.6	662.7
7650.2	45°	7015.9	5376.3	1536.3	778.8	674.0	576.3	566.4	573.4	579.1	589.0
8393.6	47.5°	7551.1	5738.7	1506.5	732.0	652.7	553.6	536.6	533.8	516.8	515.4
9057.7	50°	7920.7	5818.0	1338.0	685.3	621.6	528.1	501.2	484.2	454.5	440.4
9554.6	52.5°	8038.2	5505.1	1093.1	638.6	570.6	494.2	455.9	429.0	392.2	379.5
9840.7	55°	7882.4	4892.0	873.6	581.9	499.8	448.8	406.4	371.0	341.2	325.7
9871.8	57.5°	7501.6	4111.8	691.0	515.4	424.8	397.9	355.4	320.0	294.5	278.9
9526.3	60°	6870.1	3265.1	546.5	436.1	362.5	342.7	298.8	276.1	253.5	235.0
8634.3	62.5°	5911.5	2330.6	429.0	345.5	303.0	280.4	254.9	237.9	211.0	185.5
7030.1	65°	4613.1	1425.8	331.3	253.5	243.5	232.2	216.6	201.1	168.5	143.0
4586.2	67.5°	2909.7	675.4	236.5	191.1	192.6	186.9	179.8	167.1	143.0	120.4
2054.5	70°	1281.4	327.1	155.8	145.8	143.0	143.0	148.7	144.4	121.8	100.5
713.6	72.5°	436.1	175.6	116.1	110.4	103.4	101.9	124.6	120.4	97.7	77.9
355.4	75°	228.0	117.5	85.0	79.3	62.3	75.0	99.1	93.5	69.4	51.0
235.0	77.5°	148.7	83.5	58.1	51.0	35.4	49.6	73.6	65.1	41.1	25.5
154.3	80°	93.5	55.2	34.0	24.1	17.0	26.9	39.6	28.3	15.6	5.7
90.6	82.5°	49.6	28.3	12.7	8.5	7.1	8.5	9.9	7.1	2.8	0.0
46.7	85°	19.8	9.9	4.2	2.8	1.4	0.0	2.8	1.4	0.0	0.0
8.5	87.5°	7.1	1.4	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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2800.7
2616.6
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