

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: P853024

Luminaire Tested: **GLAN-SB8A-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853024  
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-SB8A-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 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: 17686 lumens  
Efficiency: N/A  
Efficacy: 77.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

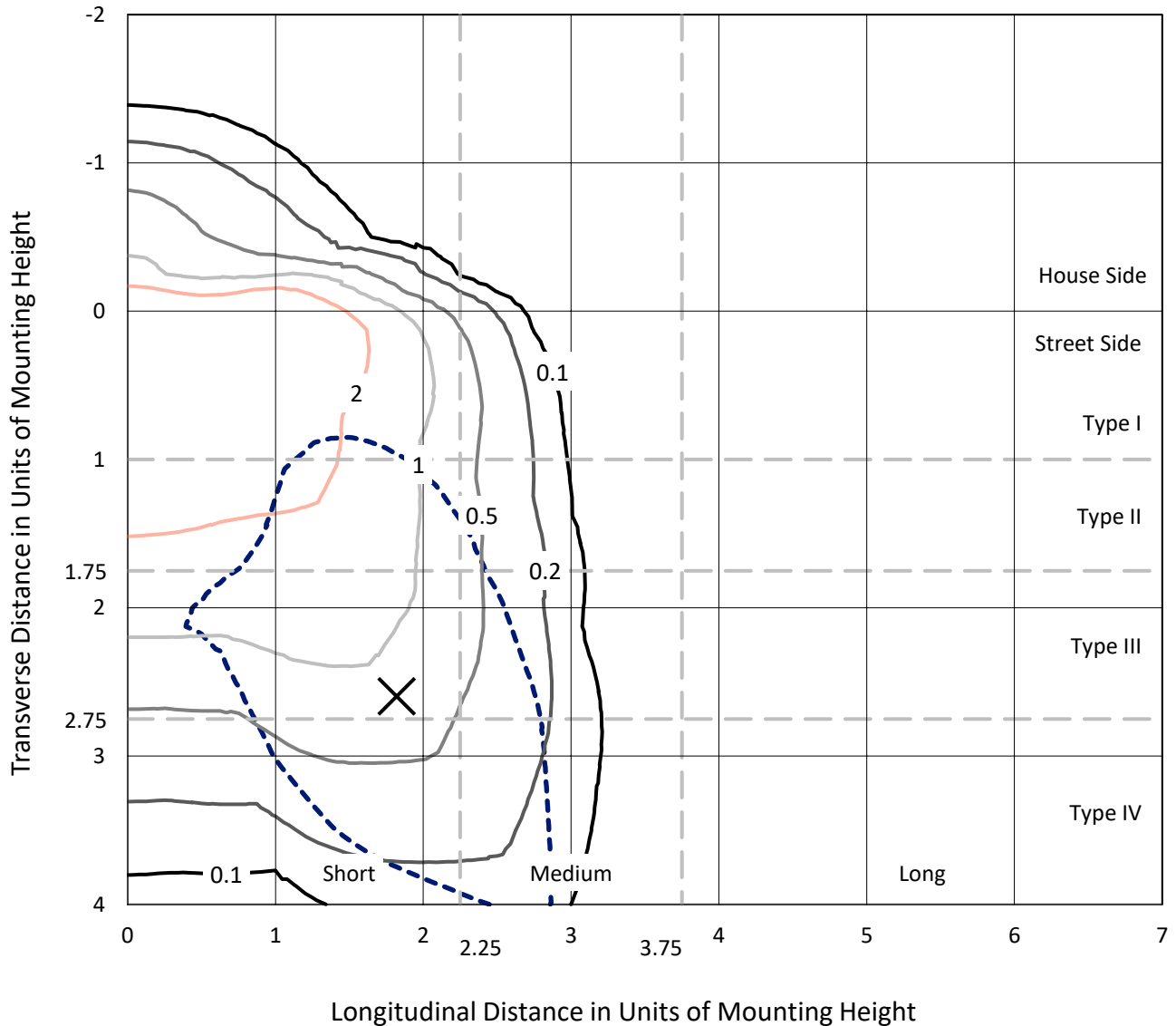
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

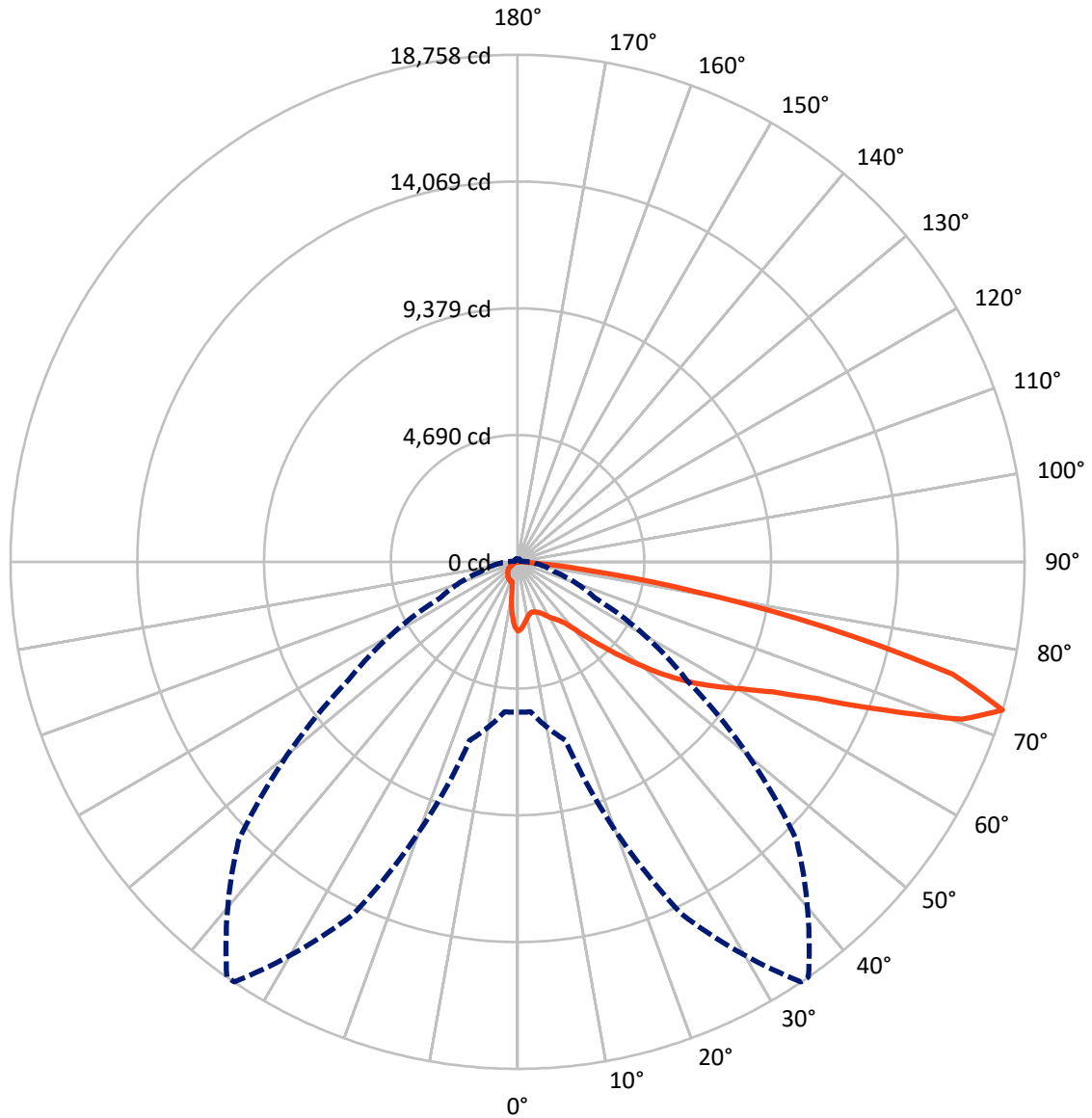
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	1990.5	0.0	1990.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	15695.5	0.0	15695.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	17686.0	0.0	17686.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.6	1.2
10°-20°	492.8	2.8
20°-30°	800.5	4.5
30°-40°	1335.6	7.6
40°-50°	2526.9	14.3
50°-60°	4015.3	22.7
60°-70°	4967.2	28.1
70°-80°	3087.6	17.5
80°-90°	249.5	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°	17686.0	100.0
0°-180°	17686.0	100.0

**Coefficient of Utilization**

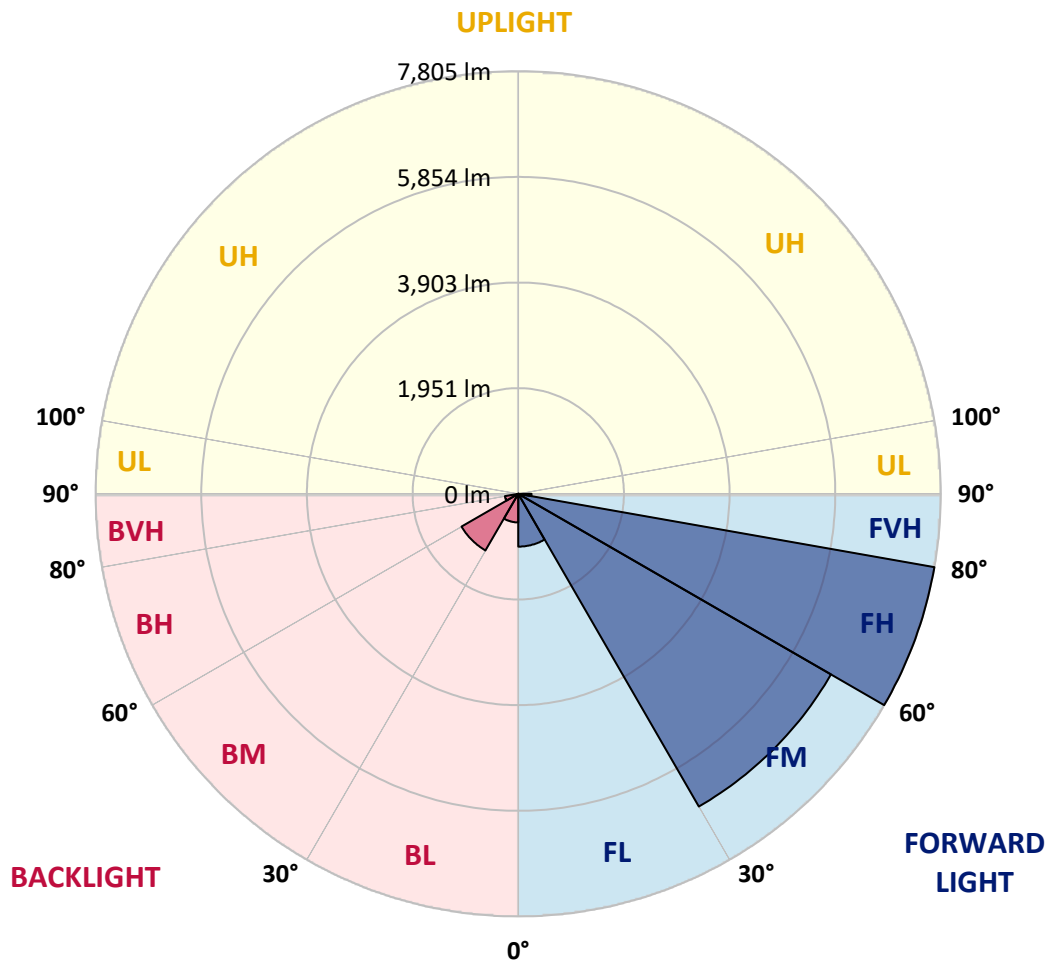


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	974.9	5.5			
FM (30°-60°)	6669.4	37.7			
FH (60°-80°)	7805.0	44.1			G4/12000
FVH (80°-90°)	246.1	1.4			G3/500
BL (0°-30°)	528.9	3.0	B2/1000		
BM (30°-60°)	1208.4	6.8	B2/2500		
BH (60°-80°)	249.8	1.4	B1/500		G1/500
BVH (80°-90°)	3.4	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°	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3
2.5°	2449.3	2470.0	2473.9	2480.4	2480.4	2488.1	2501.1	2519.2	2549.0	2564.6
5°	2257.5	2273.0	2292.5	2308.0	2337.8	2341.7	2392.2	2441.5	2510.2	2562.0
7.5°	2064.4	2082.5	2108.4	2146.0	2184.9	2196.6	2273.0	2356.0	2464.8	2562.0
10°	1928.3	1929.6	1952.9	1990.5	2052.7	2067.0	2160.3	2278.2	2414.3	2546.4
12.5°	1851.8	1860.9	1871.3	1899.8	1959.4	1968.5	2068.3	2206.9	2363.7	2537.4
15°	1851.8	1858.3	1864.8	1879.1	1927.0	1934.8	2022.9	2161.6	2337.8	2541.3
17.5°	1871.3	1881.6	1876.5	1893.3	1943.9	1949.0	2026.8	2148.6	2336.5	2565.9
20°	1917.9	1925.7	1915.3	1925.7	1976.3	1986.6	2067.0	2173.2	2358.5	2608.7
22.5°	1991.8	1995.7	1971.1	1978.8	2030.7	2043.6	2136.9	2243.2	2411.7	2677.3
25°	2085.1	2092.9	2055.3	2064.4	2113.6	2129.2	2236.7	2348.2	2495.9	2771.9
27.5°	2192.7	2196.6	2164.2	2162.9	2226.4	2248.4	2357.2	2477.8	2608.7	2891.2
30°	2315.8	2327.4	2296.3	2291.2	2371.5	2389.6	2497.2	2637.2	2774.5	3070.0
32.5°	2413.0	2422.0	2403.9	2416.9	2498.5	2512.8	2667.0	2862.6	3035.0	3324.0
35°	2552.9	2558.1	2516.6	2540.0	2633.3	2669.6	2898.9	3178.8	3362.9	3642.8
37.5°	3059.6	3059.6	2883.4	2768.0	2857.5	2889.9	3216.4	3576.7	3767.2	4070.4
40°	3760.7	3749.0	3491.2	3255.3	3243.6	3307.1	3668.7	4078.2	4289.4	4583.6
42.5°	4508.4	4490.3	4139.1	3905.8	3867.0	3889.0	4190.9	4696.3	4911.5	5209.5
45°	5171.9	5166.8	4845.4	4531.8	4461.8	4531.8	4842.8	5419.5	5573.7	5887.3
47.5°	5727.9	5727.9	5493.3	5288.6	5252.3	5293.8	5725.3	6221.6	6207.4	6609.1
50°	6368.1	6362.9	6140.0	6051.9	6089.4	6147.8	6741.3	7066.6	6863.1	7318.0
52.5°	6816.4	6847.5	6771.1	6756.8	6948.6	7049.7	7772.8	7893.3	7450.1	7990.5
55°	7171.5	7207.8	7295.9	7395.7	7765.0	7897.2	8772.0	8677.4	7941.3	8573.7
57.5°	7674.3	7622.5	7758.6	7955.5	8553.0	8712.3	9740.0	9417.3	8336.5	9046.7
60°	8284.7	8292.5	8315.8	8564.6	9339.6	9544.3	10693.8	10117.1	8590.5	9337.0
62.5°	9018.2	9029.8	9077.8	9460.1	10395.7	10588.8	11709.8	10689.9	8707.2	9255.3
65°	8967.6	9016.9	9552.1	10859.7	12001.3	12191.8	12895.5	11091.6	8530.9	8508.9
67.5°	8169.4	8249.7	9145.2	12531.4	14422.1	14634.6	14328.8	11170.7	7770.2	6616.9
70°	7122.3	7150.8	8227.7	14034.6	17225.1	17440.3	15611.7	10301.1	5896.4	3690.7
72.5°	5562.0	5568.5	6832.0	14383.2	18746.5	18758.2	14604.8	7647.1	3171.1	1417.7
75°	3973.2	3934.4	4575.8	11664.4	16492.9	16625.1	10949.1	3587.1	1211.7	670.0
77.5°	2130.5	2173.2	2589.2	6917.5	11393.6	11619.1	5974.1	1034.1	616.8	456.2
80°	658.3	694.6	1061.3	3167.2	6453.6	6589.7	2214.7	460.0	430.2	325.3
82.5°	207.3	215.1	495.0	1330.9	2678.6	2740.8	641.5	260.5	294.2	215.1
85°	59.6	60.9	220.3	496.3	662.2	675.2	180.1	101.1	168.5	133.5
87.5°	6.5	20.7	82.9	82.9	58.3	57.0	19.4	22.0	47.9	16.8
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°
2563.3	0°	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3
2575.0	2.5°	2568.5	2569.8	2552.9	2524.4	2493.3	2467.4	2435.0	2409.1	2390.9	2385.8
2598.3	5°	2586.6	2577.5	2529.6	2442.8	2339.1	2249.7	2149.9	2070.9	2019.0	1997.0
2622.9	7.5°	2613.8	2587.9	2482.9	2311.9	2113.6	1937.4	1758.5	1619.9	1531.8	1487.7
2646.2	10°	2637.2	2585.3	2405.2	2122.7	1819.4	1552.5	1311.5	1144.3	1051.0	1006.9
2673.4	12.5°	2659.2	2584.0	2304.1	1898.5	1487.7	1161.1	936.9	854.0	828.1	819.0
2717.5	15°	2700.7	2587.9	2177.1	1641.9	1157.2	877.3	795.7	794.4	799.6	797.0
2784.9	17.5°	2757.7	2591.8	2033.3	1369.8	892.9	773.7	769.8	781.4	789.2	785.3
2869.1	20°	2831.5	2607.4	1880.4	1100.2	767.2	747.7	756.8	767.2	773.7	767.2
2981.9	22.5°	2935.2	2634.6	1713.2	883.8	727.0	732.2	740.0	751.6	758.1	749.0
3125.7	25°	3062.2	2677.3	1548.6	768.5	707.6	714.0	725.7	738.7	746.4	737.4
3307.1	27.5°	3226.8	2746.0	1397.0	742.6	688.1	692.0	708.9	728.3	738.7	727.0
3565.0	30°	3465.2	2858.8	1266.1	754.2	676.5	667.4	690.7	717.9	729.6	719.2
3916.2	32.5°	3781.4	3018.2	1185.8	772.4	671.3	638.9	660.9	695.9	715.3	708.9
4375.0	35°	4196.1	3260.5	1154.6	793.1	667.4	609.1	624.6	662.2	695.9	702.4
4952.9	37.5°	4698.9	3597.4	1163.7	802.2	655.7	584.5	592.2	624.6	668.7	689.4
5603.5	40°	5270.4	3990.1	1215.6	793.1	642.8	563.7	565.0	589.6	628.5	659.6
6303.3	42.5°	5860.1	4448.8	1311.5	759.4	631.1	545.6	541.7	558.5	584.5	606.5
7001.8	45°	6421.2	4920.5	1406.1	712.7	616.8	527.4	518.4	524.8	530.0	539.1
7682.1	47.5°	6911.0	5252.3	1378.8	670.0	597.4	506.7	491.1	488.6	473.0	471.7
8289.9	50°	7249.3	5324.9	1224.6	627.2	568.9	483.4	458.7	443.2	416.0	403.0
8744.7	52.5°	7356.8	5038.5	1000.4	584.5	522.2	452.3	417.3	392.7	359.0	347.3
9006.5	55°	7214.3	4477.3	799.6	532.6	457.5	410.8	371.9	339.5	312.3	298.1
9035.0	57.5°	6865.7	3763.3	632.4	471.7	388.8	364.1	325.3	292.9	269.5	255.3
8718.8	60°	6287.7	2988.4	500.2	399.1	331.8	313.6	273.4	252.7	232.0	215.1
7902.4	62.5°	5410.4	2133.1	392.7	316.2	277.3	256.6	233.3	217.7	193.1	169.8
6434.2	65°	4222.0	1305.0	303.2	232.0	222.9	212.5	198.3	184.0	154.2	130.9
4197.4	67.5°	2663.1	618.1	216.4	174.9	176.2	171.1	164.6	152.9	130.9	110.2
1880.4	70°	1172.8	299.4	142.5	133.5	130.9	130.9	136.1	132.2	111.4	92.0
653.1	72.5°	399.1	160.7	106.3	101.1	94.6	93.3	114.0	110.2	89.4	71.3
325.3	75°	208.6	107.6	77.8	72.6	57.0	68.7	90.7	85.5	63.5	46.7
215.1	77.5°	136.1	76.5	53.1	46.7	32.4	45.4	67.4	59.6	37.6	23.3
141.3	80°	85.5	50.5	31.1	22.0	15.6	24.6	36.3	25.9	14.3	5.2
82.9	82.5°	45.4	25.9	11.7	7.8	6.5	7.8	9.1	6.5	2.6	0.0
42.8	85°	18.1	9.1	3.9	2.6	1.3	0.0	2.6	1.3	0.0	0.0
7.8	87.5°	6.5	1.3	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

(END O



180°
2563.3
2394.8
2004.8
1494.2
1008.2
816.4
795.7
784.0
765.9
747.7
736.1
727.0
717.9
708.9
702.4
694.6
670.0
615.6
544.3
470.4
404.3
346.0
298.1
252.7
211.2
165.9
127.0
107.6
88.1
67.4
42.8
20.7
3.9
0.0
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