

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: P852524

Luminaire Tested: **GLAN-SB4C-722-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852524  
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-SB4C-722-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2200K, 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: 17771 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

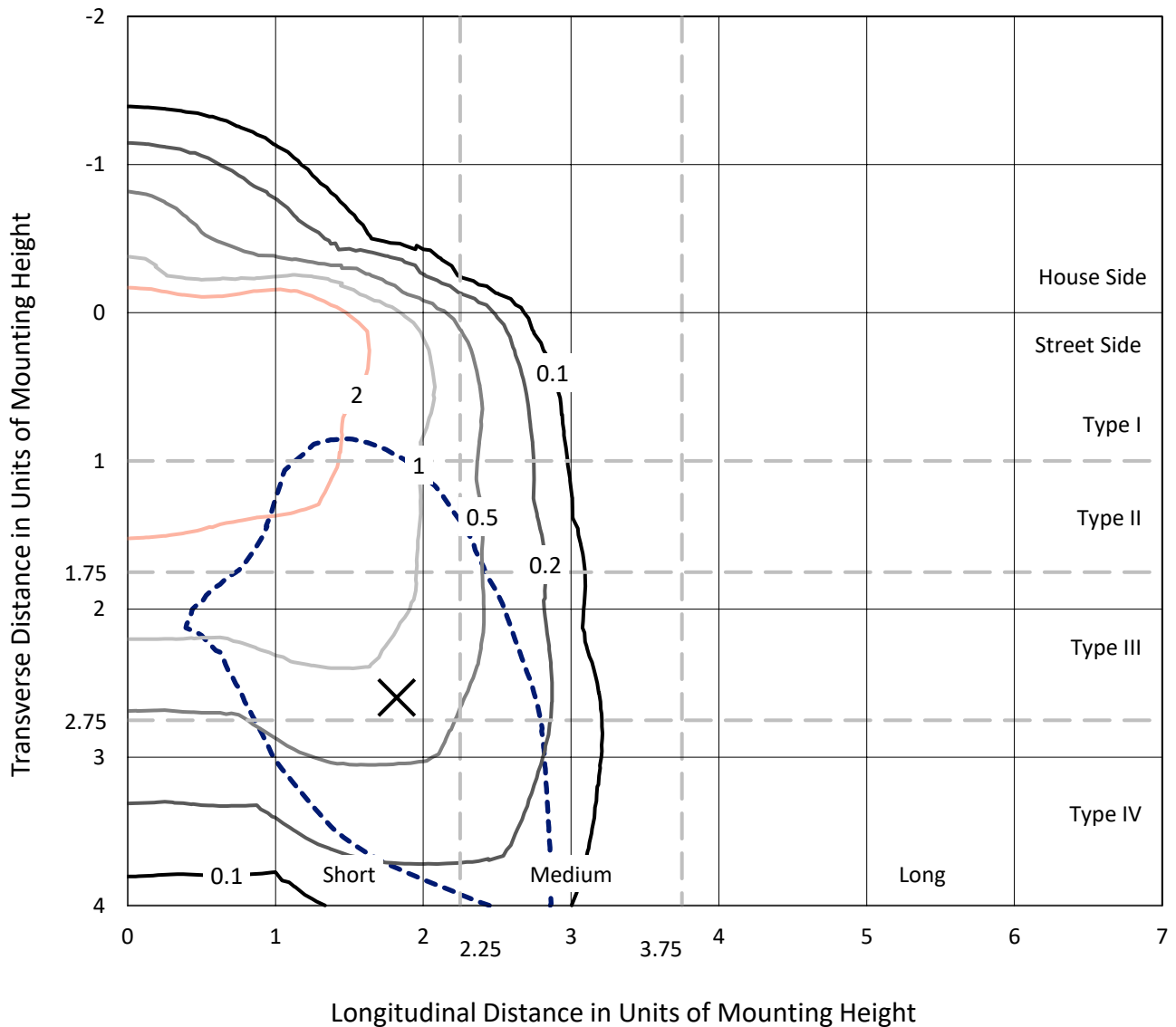
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

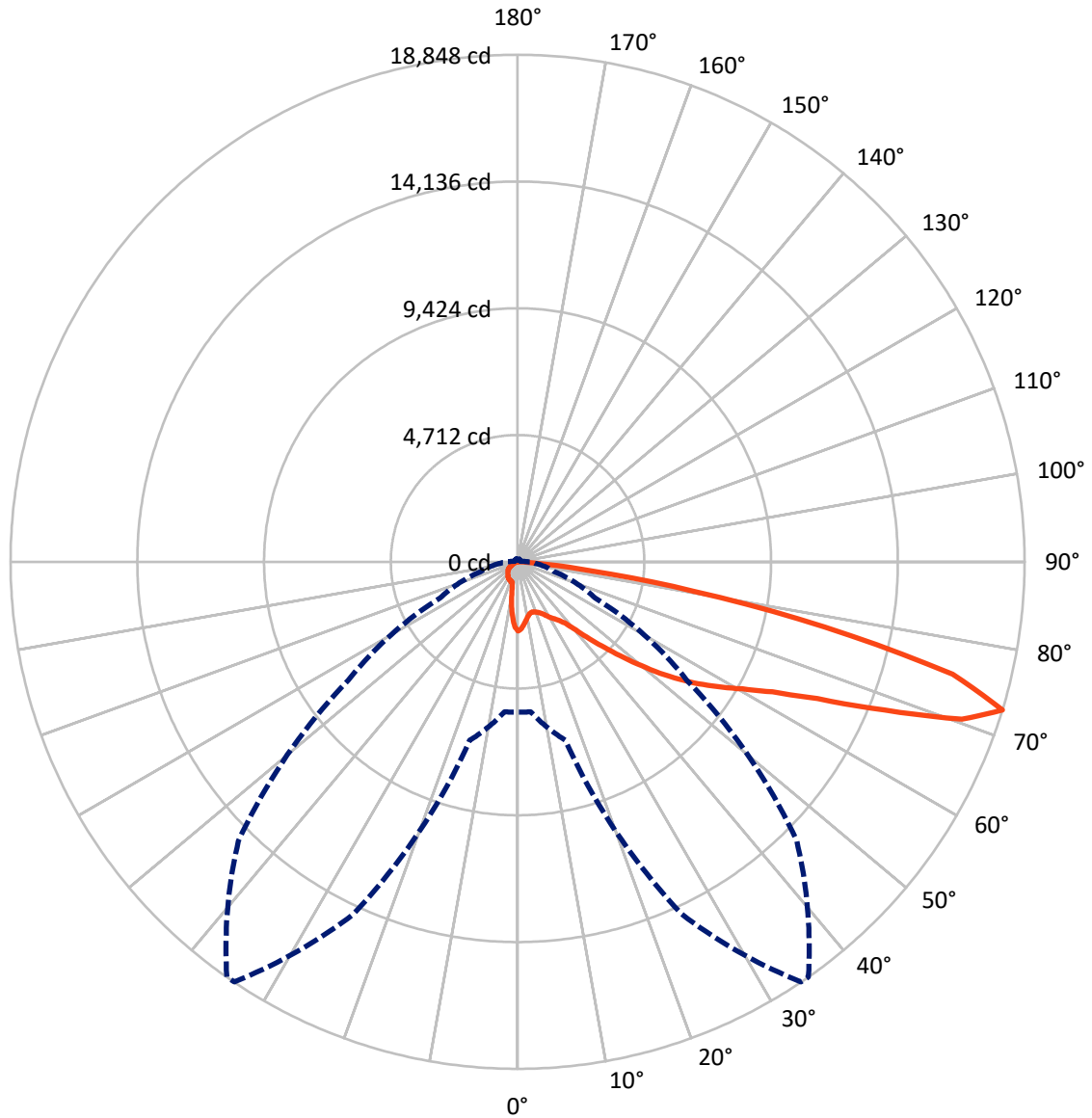
× Max cd  
 - - - 1/2 Max cd



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	2000.0	0.0	2000.0
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	15771.0	0.0	15771.0
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	17771.0	0.0	17771.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.6	1.2
10°-20°	495.1	2.8
20°-30°	804.3	4.5
30°-40°	1342.0	7.6
40°-50°	2539.1	14.3
50°-60°	4034.6	22.7
60°-70°	4991.1	28.1
70°-80°	3102.5	17.5
80°-90°	250.7	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°	17771.0	100.0
0°-180°	17771.0	100.0

**Coefficient of Utilization**



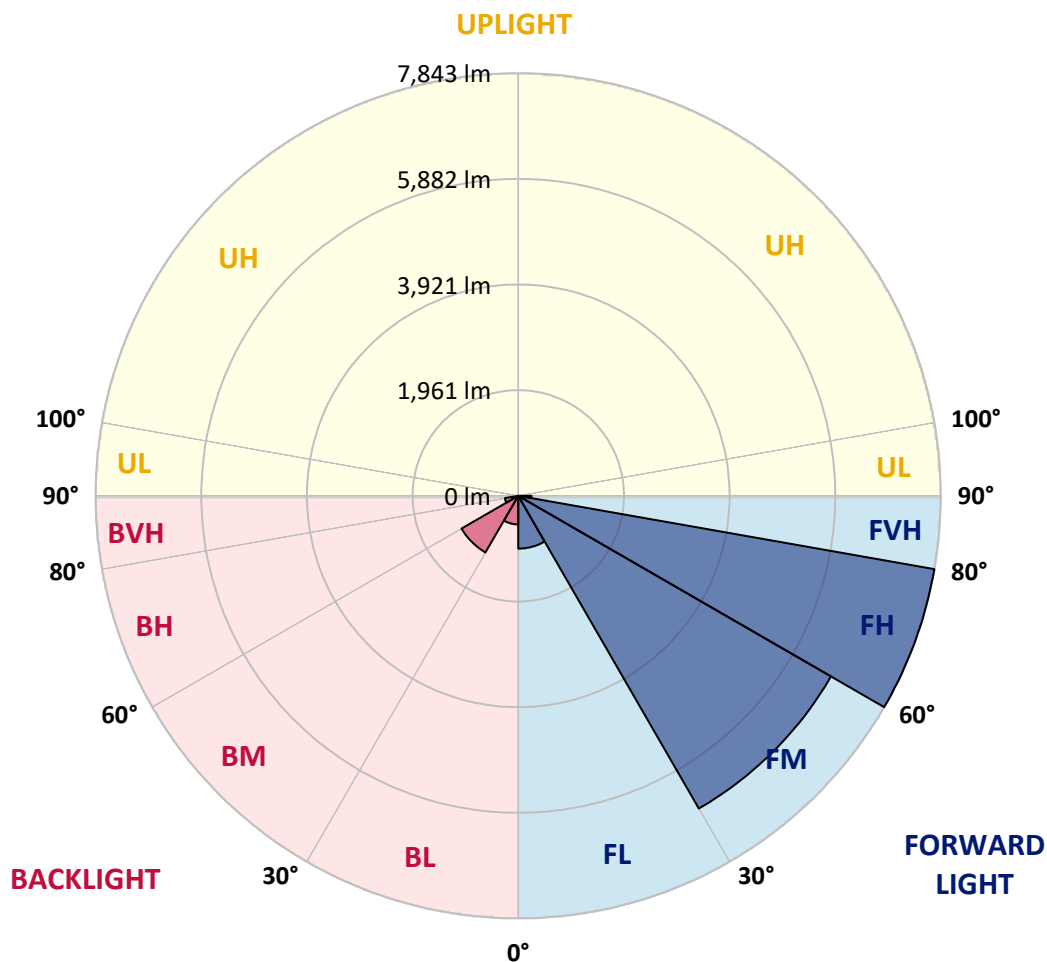
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	979.6	5.5			
FM (30°-60°)	6701.4	37.7			
FH (60°-80°)	7842.6	44.1			G4/12000
FVH (80°-90°)	247.3	1.4			G3/500
BL (0°-30°)	531.4	3.0	B2/1000		
BM (30°-60°)	1214.2	6.8	B2/2500		
BH (60°-80°)	251.0	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°	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6
2.5°	2461.0	2481.9	2485.8	2492.3	2492.3	2500.1	2513.1	2531.3	2561.3	2576.9
5°	2268.3	2283.9	2303.5	2319.1	2349.0	2352.9	2403.7	2453.2	2522.2	2574.3
7.5°	2074.3	2092.5	2118.6	2156.3	2195.4	2207.1	2283.9	2367.3	2476.7	2574.3
10°	1937.6	1938.9	1962.3	2000.1	2062.6	2076.9	2170.7	2289.1	2425.9	2558.7
12.5°	1860.7	1869.9	1880.3	1908.9	1968.8	1977.9	2078.2	2217.5	2375.1	2549.6
15°	1860.7	1867.3	1873.8	1888.1	1936.3	1944.1	2032.6	2172.0	2349.0	2553.5
17.5°	1880.3	1890.7	1885.5	1902.4	1953.2	1958.4	2036.5	2158.9	2347.7	2578.2
20°	1927.2	1935.0	1924.5	1935.0	1985.7	1996.2	2076.9	2183.7	2369.9	2621.2
22.5°	2001.4	2005.3	1980.5	1988.4	2040.4	2053.5	2147.2	2254.0	2423.3	2690.2
25°	2095.1	2102.9	2065.2	2074.3	2123.8	2139.4	2247.5	2359.5	2507.9	2785.3
27.5°	2203.2	2207.1	2174.6	2173.3	2237.1	2259.2	2368.6	2489.7	2621.2	2905.1
30°	2326.9	2338.6	2307.4	2302.2	2382.9	2401.1	2509.2	2649.8	2787.9	3084.7
32.5°	2424.6	2433.7	2415.5	2428.5	2510.5	2524.8	2679.8	2876.4	3049.6	3340.0
35°	2565.2	2570.4	2528.7	2552.2	2645.9	2682.4	2912.9	3194.1	3379.0	3660.3
37.5°	3074.3	3074.3	2897.2	2781.4	2871.2	2903.8	3231.9	3593.9	3785.3	4090.0
40°	3778.8	3767.1	3507.9	3271.0	3259.2	3323.0	3686.3	4097.8	4310.1	4605.6
42.5°	4530.1	4511.9	4159.0	3924.6	3885.6	3907.7	4211.1	4718.9	4935.1	5234.6
45°	5196.8	5191.6	4868.7	4553.5	4483.2	4553.5	4866.1	5445.5	5600.5	5915.6
47.5°	5755.4	5755.4	5519.7	5314.0	5277.5	5319.2	5752.8	6251.5	6237.2	6640.9
50°	6398.7	6393.5	6169.5	6080.9	6118.7	6177.3	6773.7	7100.5	6896.1	7353.1
52.5°	6849.2	6880.5	6803.6	6789.3	6982.0	7083.6	7810.2	7931.3	7485.9	8028.9
55°	7206.0	7242.4	7331.0	7431.3	7802.4	7935.2	8814.1	8719.1	7979.5	8614.9
57.5°	7711.2	7659.1	7795.9	7993.8	8594.1	8754.2	9786.8	9462.6	8376.6	9090.2
60°	8324.5	8332.3	8355.8	8605.8	9384.5	9590.2	10745.2	10165.7	8631.8	9381.8
62.5°	9061.5	9073.2	9121.4	9505.6	10445.7	10639.7	11766.0	10741.3	8749.0	9299.8
65°	9010.7	9060.2	9598.0	10911.9	12059.0	12250.4	12957.5	11144.9	8571.9	8549.8
67.5°	8208.6	8289.4	9189.1	12591.6	14491.4	14705.0	14397.7	11224.4	7807.6	6648.7
70°	7156.5	7185.2	8267.2	14102.1	17307.9	17524.1	15686.8	10350.6	5924.7	3708.5
72.5°	5588.7	5595.3	6864.8	14452.3	18836.6	18848.3	14675.0	7683.9	3186.3	1424.5
75°	3992.3	3953.3	4597.8	11720.5	16572.2	16705.0	11001.7	3604.3	1217.5	673.2
77.5°	2140.7	2183.7	2601.7	6950.8	11448.3	11674.9	6002.8	1039.1	619.8	458.3
80°	661.5	697.9	1066.4	3182.4	6484.6	6621.3	2225.3	462.3	432.3	326.8
82.5°	208.3	216.2	497.4	1337.3	2691.5	2754.0	644.6	261.7	295.6	216.2
85°	59.9	61.2	221.4	498.7	665.4	678.4	181.0	101.6	169.3	134.1
87.5°	6.5	20.8	83.3	83.3	58.6	57.3	19.5	22.1	48.2	16.9
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°
2575.6	0°	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6
2587.3	2.5°	2580.8	2582.1	2565.2	2536.5	2505.3	2479.3	2446.7	2420.7	2402.4	2397.2
2610.8	5°	2599.1	2589.9	2541.8	2454.5	2350.3	2260.5	2160.2	2080.8	2028.7	2006.6
2635.5	7.5°	2626.4	2600.4	2494.9	2323.0	2123.8	1946.7	1767.0	1627.7	1539.1	1494.8
2659.0	10°	2649.8	2597.7	2416.8	2132.9	1828.2	1560.0	1317.8	1149.8	1056.0	1011.8
2686.3	12.5°	2672.0	2596.4	2315.2	1907.6	1494.8	1166.7	941.4	858.1	832.1	822.9
2730.6	15°	2713.6	2600.4	2187.6	1649.8	1162.8	881.5	799.5	798.2	803.4	800.8
2798.3	17.5°	2770.9	2604.3	2043.0	1376.4	897.2	777.4	773.5	785.2	793.0	789.1
2882.9	20°	2845.2	2619.9	1889.4	1105.5	770.9	751.3	760.4	770.9	777.4	770.9
2996.2	22.5°	2949.3	2647.2	1721.4	888.1	730.5	735.7	743.5	755.2	761.7	752.6
3140.7	25°	3076.9	2690.2	1556.0	772.2	711.0	717.5	729.2	742.2	750.0	740.9
3323.0	27.5°	3242.3	2759.2	1403.7	746.1	691.4	695.3	712.3	731.8	742.2	730.5
3582.2	30°	3481.9	2872.5	1272.2	757.8	679.7	670.6	694.0	721.4	733.1	722.7
3935.0	32.5°	3799.6	3032.7	1191.4	776.1	674.5	642.0	664.1	699.2	718.8	712.3
4396.0	35°	4216.3	3276.2	1160.2	796.9	670.6	612.0	627.6	665.4	699.2	705.8
4976.7	37.5°	4721.5	3614.7	1169.3	806.0	658.9	587.3	595.1	627.6	671.9	692.7
5630.4	40°	5295.8	4009.3	1221.4	796.9	645.9	566.4	567.7	592.5	631.5	662.8
6333.6	42.5°	5888.2	4470.2	1317.8	763.0	634.1	548.2	544.3	561.2	587.3	609.4
7035.4	45°	6452.1	4944.2	1412.8	716.2	619.8	530.0	520.9	527.4	532.6	541.7
7719.0	47.5°	6944.3	5277.5	1385.5	673.2	600.3	509.1	493.5	490.9	475.3	474.0
8329.7	50°	7284.1	5350.5	1230.5	630.2	571.6	485.7	461.0	445.3	418.0	405.0
8786.8	52.5°	7392.2	5062.7	1005.2	587.3	524.8	454.4	419.3	394.5	360.7	349.0
9049.8	55°	7249.0	4498.9	803.4	535.2	459.7	412.8	373.7	341.2	313.8	299.5
9078.5	57.5°	6898.7	3781.4	635.4	474.0	390.6	365.9	326.8	294.3	270.8	256.5
8760.7	60°	6317.9	3002.7	502.6	401.1	333.3	315.1	274.7	253.9	233.1	216.2
7940.4	62.5°	5436.4	2143.3	394.5	317.7	278.7	257.8	234.4	218.8	194.0	170.6
6465.1	65°	4242.3	1311.2	304.7	233.1	224.0	213.5	199.2	184.9	155.0	131.5
4217.6	67.5°	2675.9	621.1	217.5	175.8	177.1	171.9	165.4	153.7	131.5	110.7
1889.4	70°	1178.4	300.8	143.2	134.1	131.5	131.5	136.7	132.8	112.0	92.5
656.3	72.5°	401.1	161.5	106.8	101.6	95.1	93.8	114.6	110.7	89.8	71.6
326.8	75°	209.6	108.1	78.1	72.9	57.3	69.0	91.1	85.9	63.8	46.9
216.2	77.5°	136.7	76.8	53.4	46.9	32.6	45.6	67.7	59.9	37.8	23.4
141.9	80°	85.9	50.8	31.3	22.1	15.6	24.7	36.5	26.0	14.3	5.2
83.3	82.5°	45.6	26.0	11.7	7.8	6.5	7.8	9.1	6.5	2.6	0.0
43.0	85°	18.2	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°
2575.6
2406.3
2014.4
1501.4
1013.1
820.3
799.5
787.8
769.6
751.3
739.6
730.5
721.4
712.3
705.8
697.9
673.2
618.5
546.9
472.7
406.3
347.7
299.5
253.9
212.2
166.7
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108.1
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