

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: P852394

Luminaire Tested: **GLAN-SB3C-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852394
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-SB3C-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 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: 16695 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

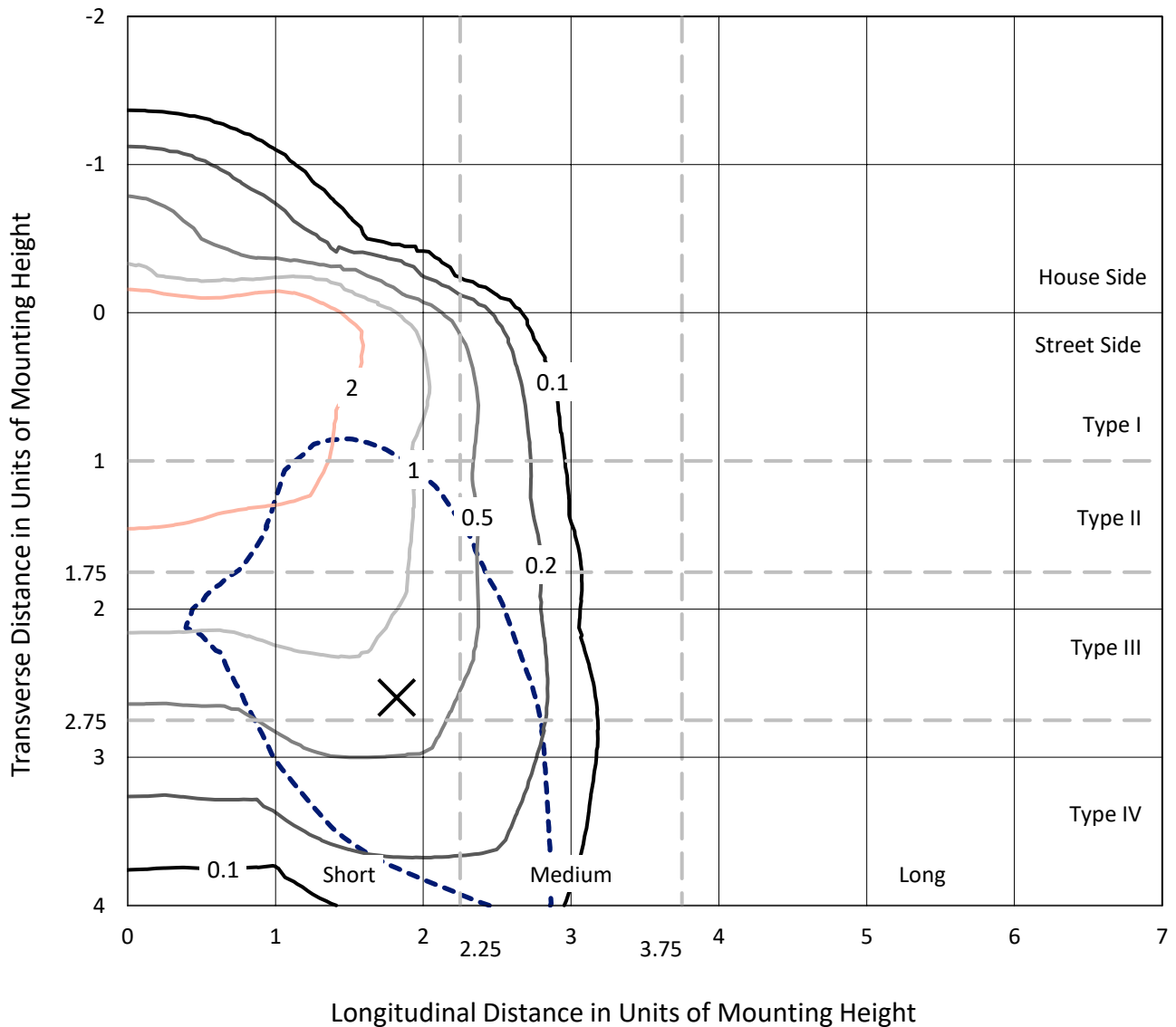
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

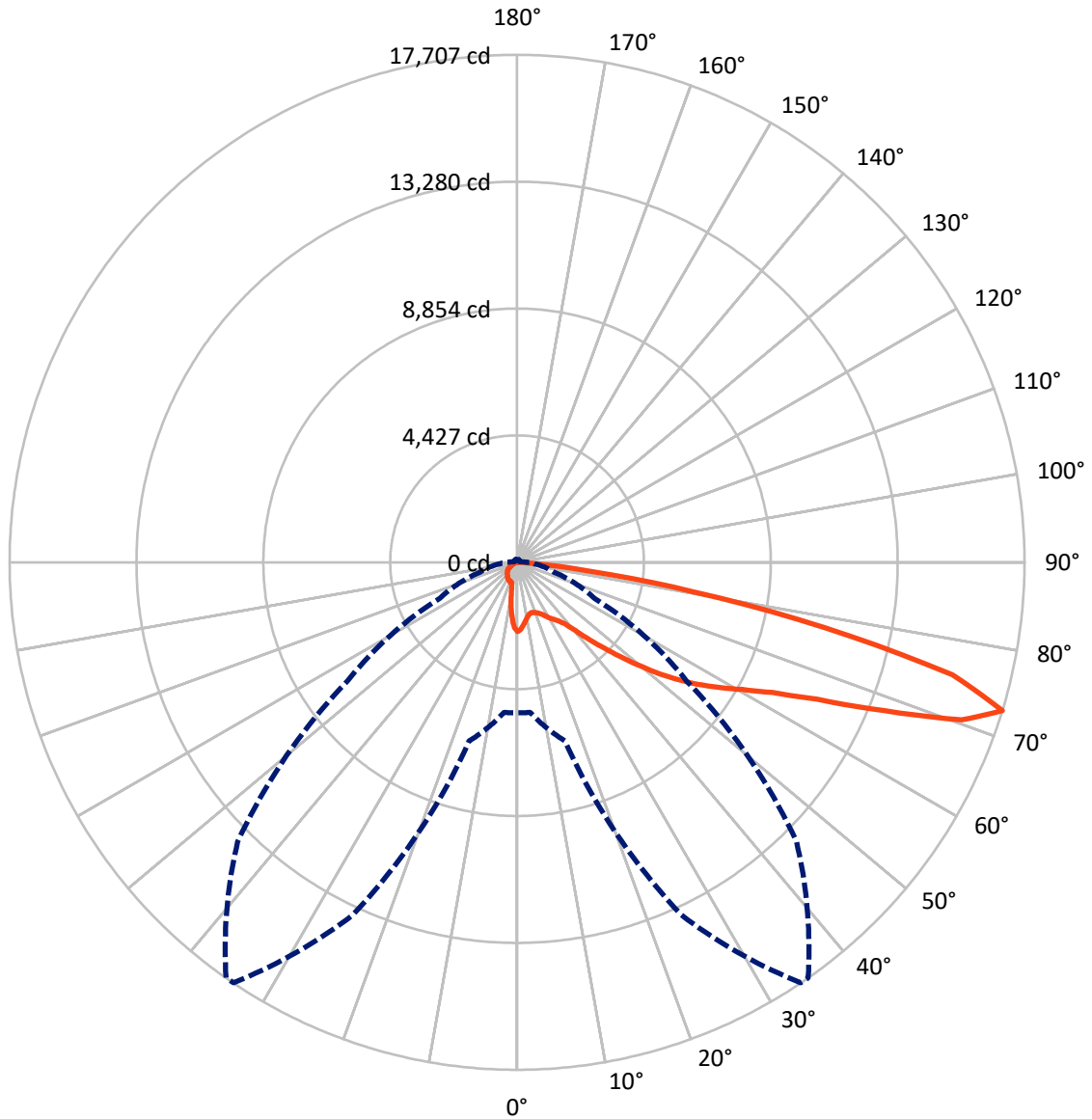
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	1878.9	0.0	1878.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	14816.0	0.0	14816.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	16695.0	0.0	16695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.8	1.2
10°-20°	465.1	2.8
20°-30°	755.6	4.5
30°-40°	1260.7	7.6
40°-50°	2385.3	14.3
50°-60°	3790.3	22.7
60°-70°	4688.9	28.1
70°-80°	2914.6	17.5
80°-90°	235.5	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°	16695.0	100.0
0°-180°	16695.0	100.0

Coefficient of Utilization



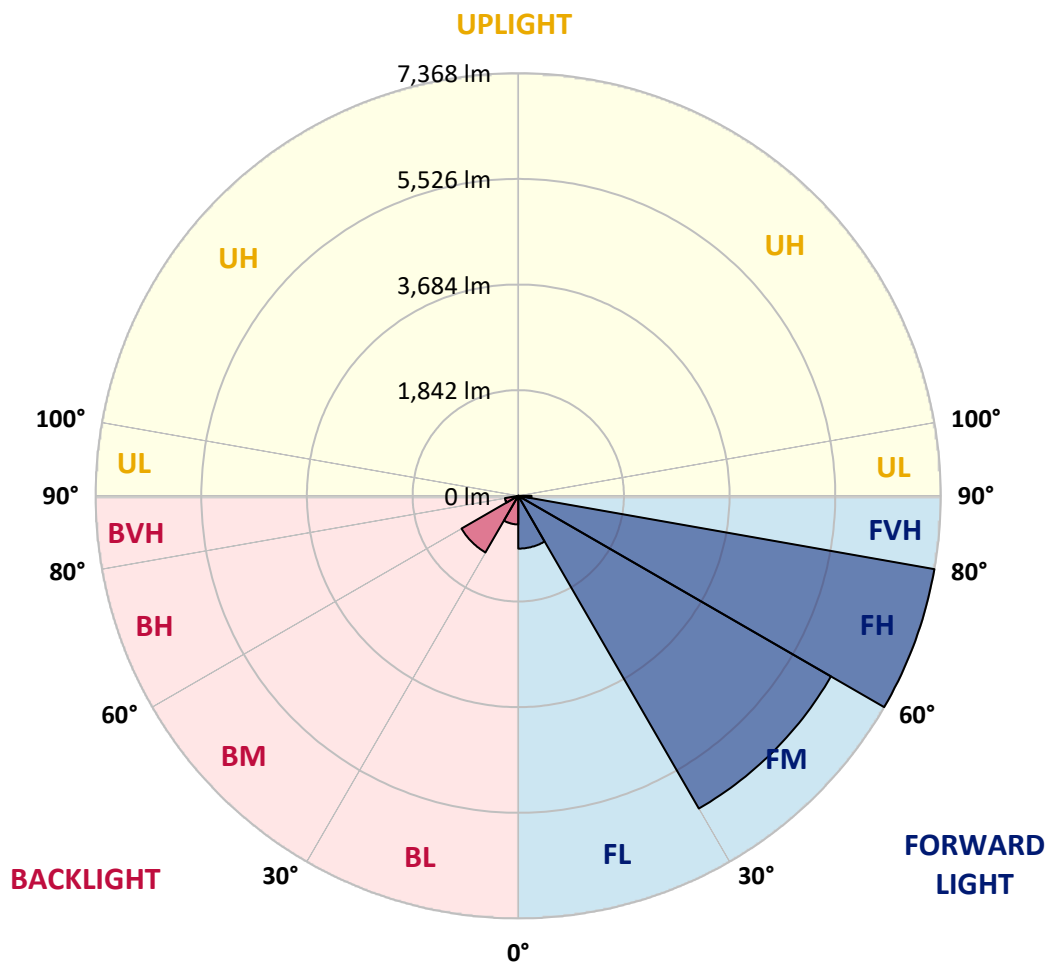
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	920.3	5.5			
FM (30°-60°)	6295.7	37.7			
FH (60°-80°)	7367.7	44.1			G3/7500
FVH (80°-90°)	232.3	1.4			G3/500
BL (0°-30°)	499.3	3.0	B1/500		
BM (30°-60°)	1140.7	6.8	B2/2500		
BH (60°-80°)	235.8	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°	2419.7	2419.7	2419.7	2419.7	2419.7	2419.7	2419.7	2419.7	2419.7	2419.7
2.5°	2312.0	2331.6	2335.3	2341.4	2341.4	2348.7	2360.9	2378.1	2406.2	2420.9
5°	2131.0	2145.6	2164.0	2178.7	2206.8	2210.5	2258.2	2304.7	2369.5	2418.4
7.5°	1948.7	1965.8	1990.3	2025.8	2062.5	2073.5	2145.6	2223.9	2326.7	2418.4
10°	1820.3	1821.5	1843.5	1879.0	1937.7	1951.1	2039.2	2150.5	2279.0	2403.8
12.5°	1748.1	1756.6	1766.4	1793.3	1849.6	1858.2	1952.4	2083.3	2231.3	2395.2
15°	1748.1	1754.2	1760.3	1773.8	1819.0	1826.4	1909.6	2040.4	2206.8	2398.9
17.5°	1766.4	1776.2	1771.3	1787.2	1834.9	1839.8	1913.2	2028.2	2205.6	2422.1
20°	1810.5	1817.8	1808.0	1817.8	1865.5	1875.3	1951.1	2051.5	2226.4	2462.5
22.5°	1880.2	1883.9	1860.6	1868.0	1916.9	1929.1	2017.2	2117.5	2276.5	2527.3
25°	1968.3	1975.6	1940.1	1948.7	1995.2	2009.9	2111.4	2216.6	2356.1	2616.6
27.5°	2069.8	2073.5	2042.9	2041.7	2101.6	2122.4	2225.2	2338.9	2462.5	2729.2
30°	2186.0	2197.0	2167.7	2162.8	2238.6	2255.7	2357.3	2489.4	2619.1	2898.0
32.5°	2277.8	2286.3	2269.2	2281.4	2358.5	2372.0	2517.5	2702.2	2864.9	3137.7
35°	2409.9	2414.8	2375.6	2397.6	2485.7	2520.0	2736.5	3000.7	3174.4	3438.7
37.5°	2888.2	2888.2	2721.8	2612.9	2697.4	2727.9	3036.2	3376.3	3556.1	3842.4
40°	3550.0	3539.0	3295.5	3072.9	3061.9	3121.8	3463.1	3849.7	4049.1	4326.8
42.5°	4255.8	4238.7	3907.2	3687.0	3650.3	3671.1	3956.1	4433.2	4636.3	4917.6
45°	4882.1	4877.3	4573.9	4277.8	4211.8	4277.8	4571.4	5115.8	5261.4	5557.4
47.5°	5406.9	5406.9	5185.5	4992.2	4958.0	4997.1	5404.5	5873.0	5859.6	6238.8
50°	6011.2	6006.3	5795.9	5712.8	5748.2	5803.3	6363.5	6670.6	6478.5	6907.9
52.5°	6434.5	6463.9	6391.7	6378.2	6559.3	6654.7	7337.3	7451.1	7032.7	7542.8
55°	6769.7	6803.9	6887.1	6981.3	7329.9	7454.7	8280.4	8191.1	7496.3	8093.3
57.5°	7244.3	7195.4	7323.8	7509.8	8073.7	8224.2	9194.2	8889.6	7869.4	8539.8
60°	7820.5	7827.8	7849.8	8084.7	8816.2	9009.5	10094.6	9550.2	8109.2	8813.8
62.5°	8512.9	8523.9	8569.1	8930.0	9813.2	9995.5	11053.6	10090.9	8219.3	8736.7
65°	8465.2	8511.6	9016.9	10251.2	11328.9	11508.7	12172.9	10470.1	8052.9	8032.1
67.5°	7711.6	7787.5	8632.7	11829.2	13614.0	13814.6	13525.9	10544.7	7334.8	6246.1
70°	6723.2	6750.1	7766.7	13248.2	16260.0	16463.0	14737.0	9723.9	5566.0	3483.9
72.5°	5250.4	5256.5	6449.2	13577.3	17696.1	17707.1	13786.5	7218.6	2993.4	1338.3
75°	3750.6	3713.9	4319.4	11010.8	15568.8	15693.6	10335.6	3386.1	1143.8	632.4
77.5°	2011.1	2051.5	2444.1	6529.9	10755.2	10968.0	5639.4	976.2	582.3	430.6
80°	621.4	655.7	1001.9	2989.7	6092.0	6220.4	2090.6	434.3	406.1	307.0
82.5°	195.7	203.1	467.3	1256.3	2528.5	2587.3	605.5	245.9	277.7	203.1
85°	56.3	57.5	208.0	468.5	625.1	637.3	170.0	95.4	159.0	126.0
87.5°	6.1	19.6	78.3	78.3	55.0	53.8	18.3	20.8	45.3	15.9
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°
2419.7	0°	2419.7	2419.7	2419.7	2419.7	2419.7	2419.7	2419.7	2419.7	2419.7	2419.7
2430.7	2.5°	2424.6	2425.8	2409.9	2383.0	2353.6	2329.1	2298.6	2274.1	2257.0	2252.1
2452.7	5°	2441.7	2433.1	2387.9	2305.9	2208.0	2123.6	2029.4	1954.8	1905.9	1885.1
2475.9	7.5°	2467.4	2442.9	2343.8	2182.3	1995.2	1828.8	1660.0	1529.1	1445.9	1404.3
2498.0	10°	2489.4	2440.5	2270.4	2003.7	1717.5	1465.5	1238.0	1080.2	992.1	950.5
2523.6	12.5°	2510.2	2439.2	2175.0	1792.1	1404.3	1096.1	884.4	806.1	781.7	773.1
2565.2	15°	2549.3	2442.9	2055.1	1549.9	1092.4	828.2	751.1	749.9	754.8	752.3
2628.8	17.5°	2603.2	2446.6	1919.3	1293.0	842.8	730.3	726.6	737.6	745.0	741.3
2708.4	20°	2672.9	2461.3	1775.0	1038.6	724.2	705.8	714.4	724.2	730.3	724.2
2814.8	22.5°	2770.7	2486.9	1617.2	834.3	686.3	691.2	698.5	709.5	715.6	707.1
2950.6	25°	2890.6	2527.3	1461.8	725.4	667.9	674.0	685.0	697.3	704.6	696.1
3121.8	27.5°	3046.0	2592.1	1318.7	700.9	649.6	653.2	669.1	687.5	697.3	686.3
3365.3	30°	3271.1	2698.6	1195.2	712.0	638.6	630.0	652.0	677.7	688.7	678.9
3696.8	32.5°	3569.6	2849.0	1119.3	729.1	633.7	603.1	623.9	656.9	675.3	669.1
4129.8	35°	3961.0	3077.8	1090.0	748.7	630.0	574.9	589.6	625.1	656.9	663.0
4675.4	37.5°	4435.6	3395.8	1098.5	757.2	619.0	551.7	559.0	589.6	631.2	650.8
5289.5	40°	4975.1	3766.5	1147.4	748.7	606.8	532.1	533.4	556.6	593.3	622.7
5950.1	42.5°	5531.7	4199.6	1238.0	716.8	595.7	515.0	511.3	527.2	551.7	572.5
6609.4	45°	6061.4	4644.8	1327.3	672.8	582.3	497.9	489.3	495.4	500.3	508.9
7251.7	47.5°	6523.8	4958.0	1301.6	632.4	563.9	478.3	463.6	461.2	446.5	445.3
7825.4	50°	6843.1	5026.5	1156.0	592.1	537.0	456.3	433.0	418.4	392.7	380.4
8254.8	52.5°	6944.6	4756.1	944.4	551.7	493.0	426.9	393.9	370.7	338.9	327.8
8501.9	55°	6810.0	4226.5	754.8	502.8	431.8	387.8	351.1	320.5	294.8	281.4
8528.8	57.5°	6481.0	3552.4	597.0	445.3	367.0	343.7	307.0	276.5	254.4	241.0
8230.3	60°	5935.4	2820.9	472.2	376.8	313.2	296.0	258.1	238.5	219.0	203.1
7459.6	62.5°	5107.2	2013.5	370.7	298.5	261.8	242.2	220.2	205.5	182.3	160.3
6073.6	65°	3985.5	1231.9	286.2	219.0	210.4	200.6	187.2	173.7	145.6	123.6
3962.2	67.5°	2513.9	583.5	204.3	165.1	166.4	161.5	155.4	144.3	123.6	104.0
1775.0	70°	1107.1	282.6	134.6	126.0	123.6	123.6	128.4	124.8	105.2	86.9
616.5	72.5°	376.8	151.7	100.3	95.4	89.3	88.1	107.6	104.0	84.4	67.3
307.0	75°	196.9	101.5	73.4	68.5	53.8	64.8	85.6	80.7	59.9	44.0
203.1	77.5°	128.4	72.2	50.2	44.0	30.6	42.8	63.6	56.3	35.5	22.0
133.3	80°	80.7	47.7	29.4	20.8	14.7	23.2	34.3	24.5	13.5	4.9
78.3	82.5°	42.8	24.5	11.0	7.3	6.1	7.3	8.6	6.1	2.4	0.0
40.4	85°	17.1	8.6	3.7	2.4	1.2	0.0	2.4	1.2	0.0	0.0
7.3	87.5°	6.1	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

(END O

180°
2419.7
2260.6
1892.4
1410.5
951.7
770.7
751.1
740.1
723.0
705.8
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686.3
677.7
669.1
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