

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: P852496

Luminaire Tested: **GLAN-SB4B-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852496
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-SB4B-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 450mA 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: 16768 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

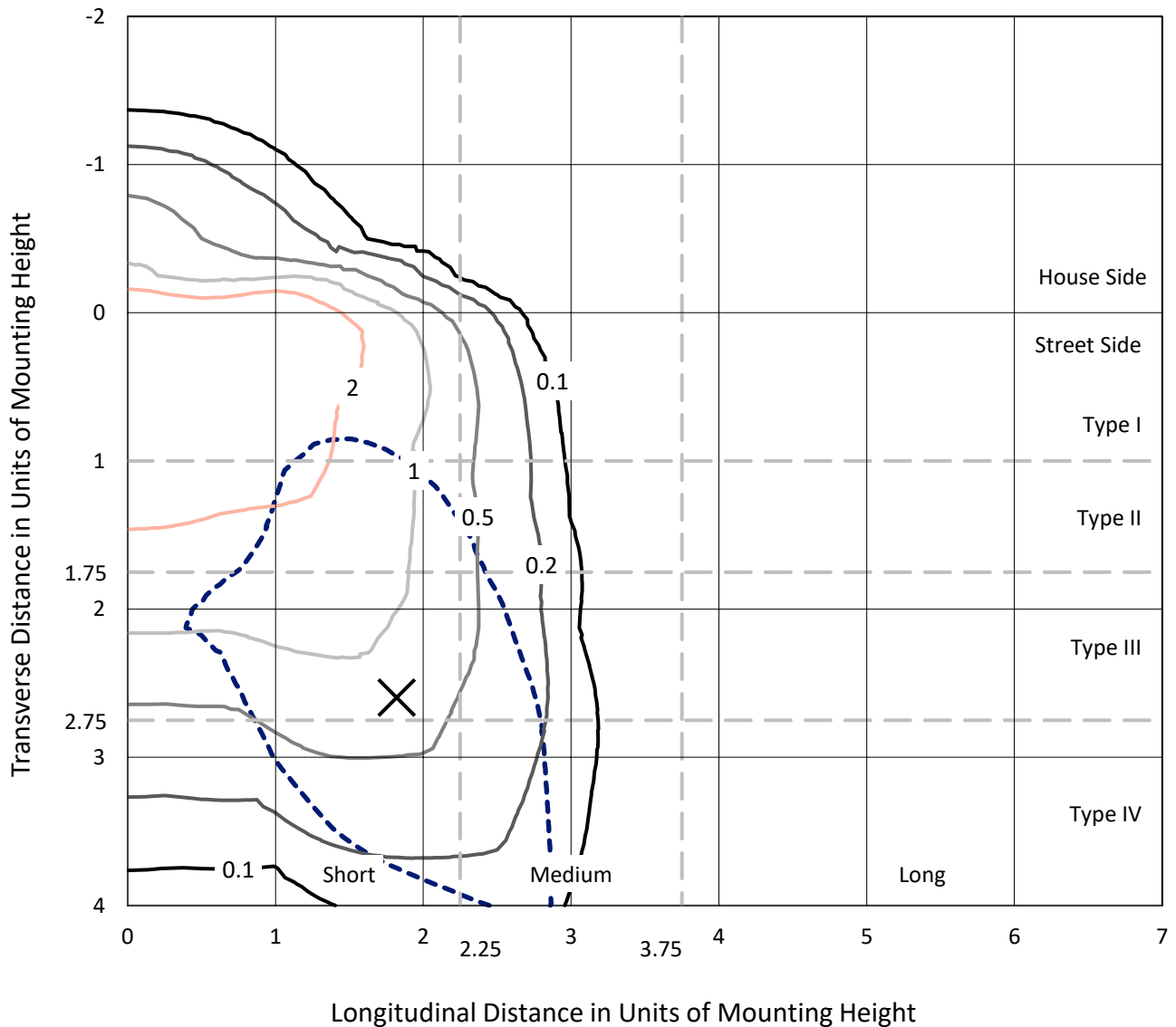
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

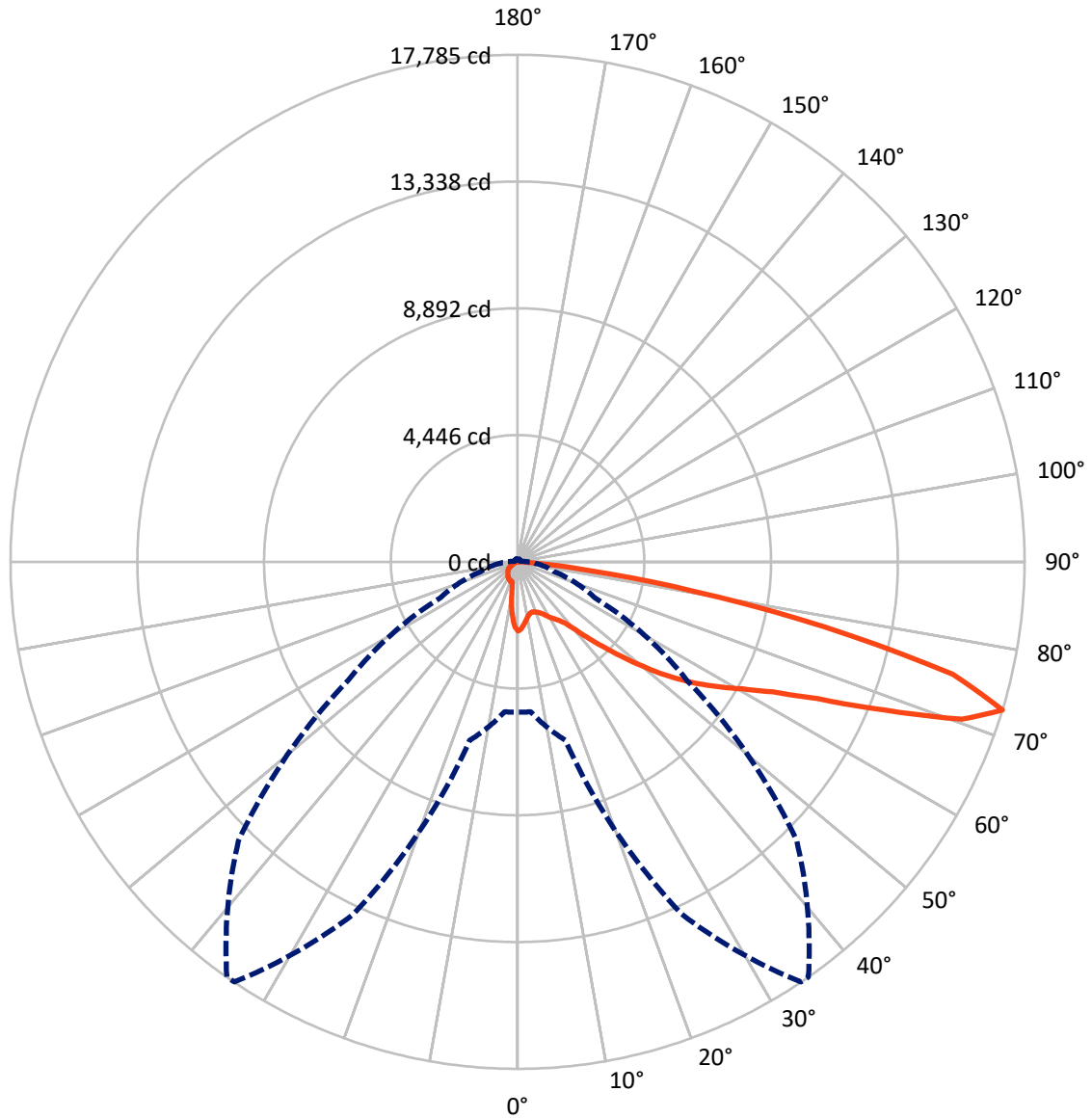
× Max cd
 - - - 1/2 Max cd



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	1887.2	0.0	1887.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	14880.8	0.0	14880.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	16768.0	0.0	16768.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.7	1.2
10°-20°	467.2	2.8
20°-30°	758.9	4.5
30°-40°	1266.2	7.6
40°-50°	2395.8	14.3
50°-60°	3806.9	22.7
60°-70°	4709.4	28.1
70°-80°	2927.4	17.5
80°-90°	236.6	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°	16768.0	100.0
0°-180°	16768.0	100.0

Coefficient of Utilization



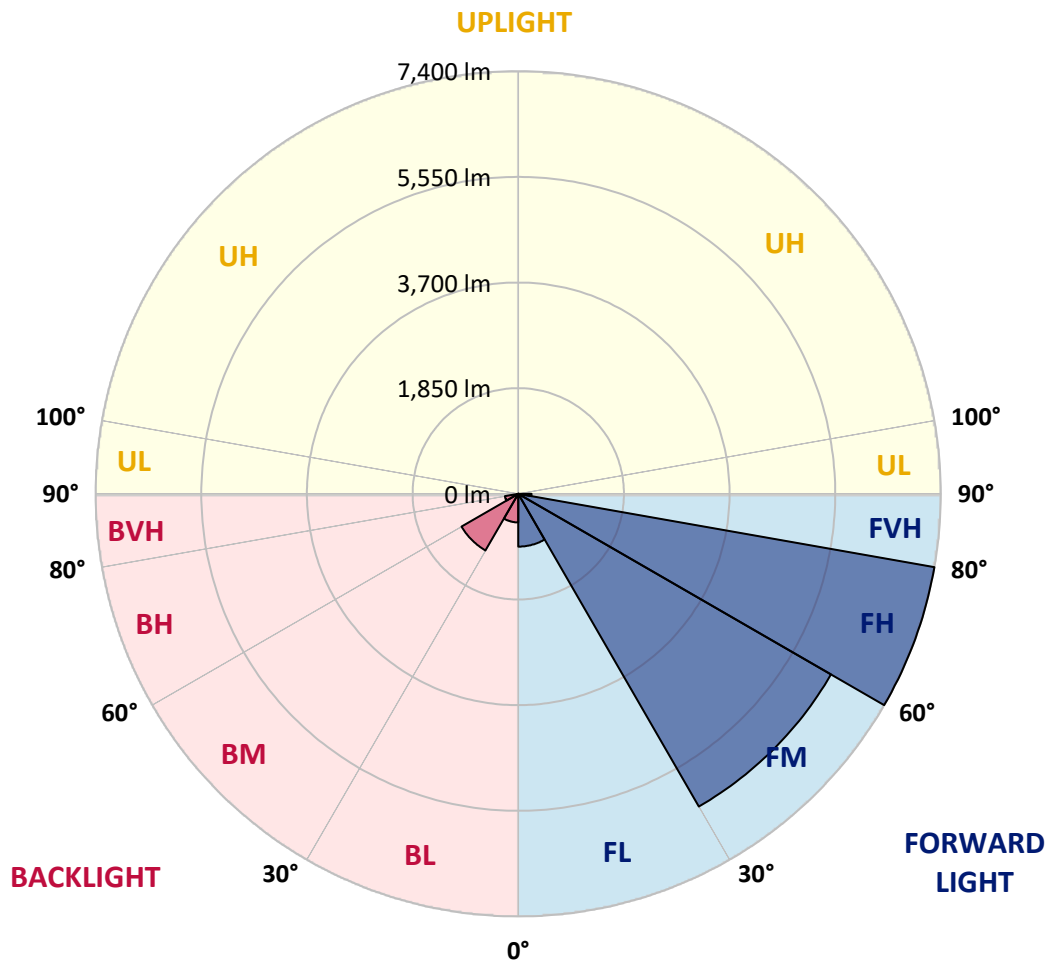
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	924.3	5.5			
FM (30°-60°)	6323.2	37.7			
FH (60°-80°)	7399.9	44.1			G3/7500
FVH (80°-90°)	233.4	1.4			G3/500
BL (0°-30°)	501.5	3.0	B2/1000		
BM (30°-60°)	1145.7	6.8	B2/2500		
BH (60°-80°)	236.8	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°	2430.2	2430.2	2430.2	2430.2	2430.2	2430.2	2430.2	2430.2	2430.2	2430.2
2.5°	2322.1	2341.8	2345.5	2351.6	2351.6	2359.0	2371.3	2388.5	2416.7	2431.5
5°	2140.3	2155.0	2173.5	2188.2	2216.5	2220.1	2268.1	2314.8	2379.9	2429.0
7.5°	1957.2	1974.4	1999.0	2034.6	2071.5	2082.5	2155.0	2233.7	2336.9	2429.0
10°	1828.2	1829.4	1851.6	1887.2	1946.2	1959.7	2048.1	2159.9	2289.0	2414.3
12.5°	1755.7	1764.3	1774.2	1801.2	1857.7	1866.3	1960.9	2092.4	2241.0	2405.7
15°	1755.7	1761.9	1768.0	1781.5	1827.0	1834.4	1917.9	2049.4	2216.5	2409.4
17.5°	1774.2	1784.0	1779.1	1795.0	1843.0	1847.9	1921.6	2037.1	2215.2	2432.7
20°	1818.4	1825.8	1815.9	1825.8	1873.7	1883.5	1959.7	2060.4	2236.1	2473.2
22.5°	1888.4	1892.1	1868.8	1876.1	1925.3	1937.6	2026.0	2126.8	2286.5	2538.4
25°	1976.9	1984.2	1948.6	1957.2	2003.9	2018.7	2120.6	2226.3	2366.4	2628.1
27.5°	2078.9	2082.5	2051.8	2050.6	2110.8	2131.7	2234.9	2349.2	2473.2	2741.1
30°	2195.6	2206.6	2177.1	2172.2	2248.4	2265.6	2367.6	2500.3	2630.5	2910.6
32.5°	2287.7	2296.3	2279.1	2291.4	2368.8	2382.3	2528.5	2714.1	2877.5	3151.5
35°	2420.4	2425.3	2386.0	2408.1	2496.6	2531.0	2748.5	3013.8	3188.3	3453.7
37.5°	2900.8	2900.8	2733.7	2624.4	2709.1	2739.9	3049.5	3391.0	3571.6	3859.2
40°	3565.5	3554.4	3309.9	3086.3	3075.3	3135.5	3478.3	3866.5	4066.8	4345.7
42.5°	4274.4	4257.2	3924.3	3703.1	3666.3	3687.1	3973.4	4452.6	4656.5	4939.1
45°	4903.5	4898.6	4593.9	4296.5	4230.2	4296.5	4591.4	5138.2	5284.4	5581.7
47.5°	5430.6	5430.6	5208.2	5014.1	4979.7	5019.0	5428.1	5898.7	5885.2	6266.1
50°	6037.5	6032.6	5821.3	5737.7	5773.4	5828.7	6391.4	6699.8	6506.9	6938.1
52.5°	6462.6	6492.1	6419.6	6406.1	6588.0	6683.8	7369.4	7483.6	7063.4	7575.8
55°	6799.3	6833.7	6917.2	7011.8	7362.0	7487.3	8316.6	8227.0	7529.1	8128.7
57.5°	7276.0	7226.8	7355.9	7542.6	8109.0	8260.1	9234.4	8928.5	7903.8	8577.1
60°	7854.7	7862.1	7884.2	8120.1	8854.8	9048.9	10138.7	9592.0	8144.6	8852.3
62.5°	8550.1	8561.1	8606.6	8969.1	9856.1	10039.2	11102.0	10135.0	8255.2	8774.9
65°	8502.2	8548.9	9056.3	10296.0	11378.4	11559.0	12226.2	10515.9	8088.1	8067.2
67.5°	7745.3	7821.5	8670.5	11880.9	13673.5	13875.0	13585.0	10590.9	7366.9	6273.4
70°	6752.6	6779.6	7800.6	13306.1	16331.1	16535.0	14801.4	9766.4	5590.3	3499.2
72.5°	5273.3	5279.5	6477.4	13636.6	17773.5	17784.5	13846.7	7250.2	3006.5	1344.1
75°	3767.0	3730.1	4338.3	11059.0	15636.9	15762.2	10380.8	3400.9	1148.8	635.2
77.5°	2019.9	2060.4	2454.8	6558.5	10802.2	11016.0	5664.0	980.5	584.8	432.5
80°	624.1	658.5	1006.3	3002.8	6118.6	6247.6	2099.7	436.2	407.9	308.4
82.5°	196.6	204.0	469.3	1261.8	2539.6	2598.6	608.2	247.0	278.9	204.0
85°	56.5	57.7	208.9	470.6	627.8	640.1	170.8	95.8	159.7	126.5
87.5°	6.1	19.7	78.6	78.6	55.3	54.1	18.4	20.9	45.5	16.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2430.2	0°	2430.2	2430.2	2430.2	2430.2	2430.2	2430.2	2430.2	2430.2	2430.2	2430.2
2441.3	2.5°	2435.2	2436.4	2420.4	2393.4	2363.9	2339.3	2308.6	2284.0	2266.8	2261.9
2463.4	5°	2452.4	2443.8	2398.3	2316.0	2217.7	2132.9	2038.3	1963.4	1914.2	1893.3
2486.8	7.5°	2478.2	2453.6	2354.1	2191.9	2003.9	1836.8	1667.3	1535.8	1452.2	1410.5
2508.9	10°	2500.3	2451.1	2280.4	2012.5	1725.0	1471.9	1243.4	1084.9	996.4	954.7
2534.7	12.5°	2521.2	2449.9	2184.5	1800.0	1410.5	1100.9	888.3	809.7	785.1	776.5
2576.5	15°	2560.5	2453.6	2064.1	1556.7	1097.2	831.8	754.4	753.2	758.1	755.6
2640.3	17.5°	2614.5	2457.3	1927.7	1298.7	846.5	733.5	729.8	740.9	748.2	744.6
2720.2	20°	2684.6	2472.0	1782.8	1043.1	727.4	708.9	717.5	727.4	733.5	727.4
2827.1	22.5°	2782.9	2497.8	1624.3	837.9	689.3	694.2	701.6	712.6	718.8	710.2
2963.5	25°	2903.3	2538.4	1468.2	728.6	670.8	677.0	688.0	700.3	707.7	699.1
3135.5	27.5°	3059.3	2603.5	1324.5	704.0	652.4	656.1	672.1	690.5	700.3	689.3
3380.0	30°	3285.4	2710.4	1200.4	715.1	641.3	632.7	654.9	680.7	691.7	681.9
3712.9	32.5°	3585.2	2861.5	1124.2	732.3	636.4	605.7	626.6	659.8	678.2	672.1
4147.9	35°	3978.3	3091.3	1094.7	751.9	632.7	577.5	592.2	627.8	659.8	665.9
4695.9	37.5°	4455.0	3410.7	1103.3	760.5	621.7	554.1	561.5	592.2	634.0	653.6
5312.6	40°	4996.9	3783.0	1152.5	751.9	609.4	534.5	535.7	559.0	595.9	625.4
5976.1	42.5°	5555.9	4217.9	1243.4	720.0	598.3	517.3	513.6	529.5	554.1	575.0
6638.3	45°	6087.9	4665.1	1333.1	675.8	584.8	500.1	491.5	497.6	502.5	511.1
7283.4	47.5°	6552.3	4979.7	1307.3	635.2	566.4	480.4	465.7	463.2	448.5	447.2
7859.6	50°	6873.0	5048.5	1161.1	594.7	539.4	458.3	434.9	420.2	394.4	382.1
8290.8	52.5°	6975.0	4776.9	948.5	554.1	495.1	428.8	395.6	372.3	340.3	329.3
8539.0	55°	6839.8	4244.9	758.1	505.0	433.7	389.5	352.6	321.9	296.1	282.6
8566.1	57.5°	6509.3	3568.0	599.6	447.2	368.6	345.2	308.4	277.7	255.6	242.0
8266.3	60°	5961.4	2833.2	474.3	378.4	314.5	297.3	259.2	239.6	219.9	204.0
7492.2	62.5°	5129.6	2022.3	372.3	299.8	262.9	243.3	221.2	206.4	183.1	161.0
6100.2	65°	4002.9	1237.2	287.5	219.9	211.3	201.5	188.0	174.5	146.2	124.1
3979.6	67.5°	2524.9	586.1	205.2	165.9	167.1	162.2	156.0	145.0	124.1	104.4
1782.8	70°	1111.9	283.8	135.2	126.5	124.1	124.1	129.0	125.3	105.7	87.2
619.2	72.5°	378.4	152.4	100.7	95.8	89.7	88.5	108.1	104.4	84.8	67.6
308.4	75°	197.8	102.0	73.7	68.8	54.1	65.1	86.0	81.1	60.2	44.2
204.0	77.5°	129.0	72.5	50.4	44.2	30.7	43.0	63.9	56.5	35.6	22.1
133.9	80°	81.1	47.9	29.5	20.9	14.7	23.3	34.4	24.6	13.5	4.9
78.6	82.5°	43.0	24.6	11.1	7.4	6.1	7.4	8.6	6.1	2.5	0.0
40.5	85°	17.2	8.6	3.7	2.5	1.2	0.0	2.5	1.2	0.0	0.0
7.4	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°
2430.2
2270.5
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754.4
743.3
726.1
708.9
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689.3
680.7
672.1
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