

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: P852598

Luminaire Tested: **GLAN-SB5A-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852598
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-SB5A-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 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: 16836 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

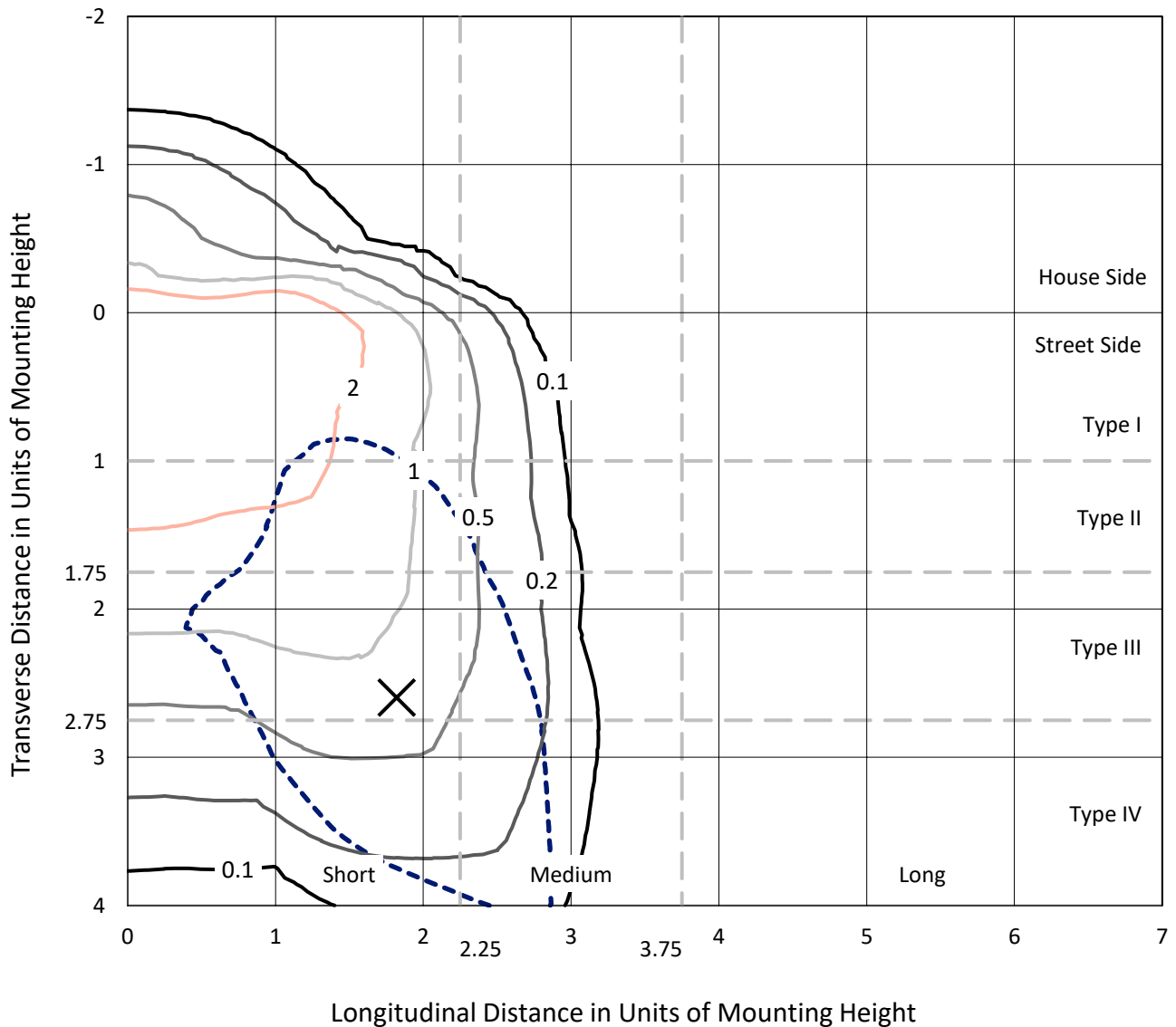
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

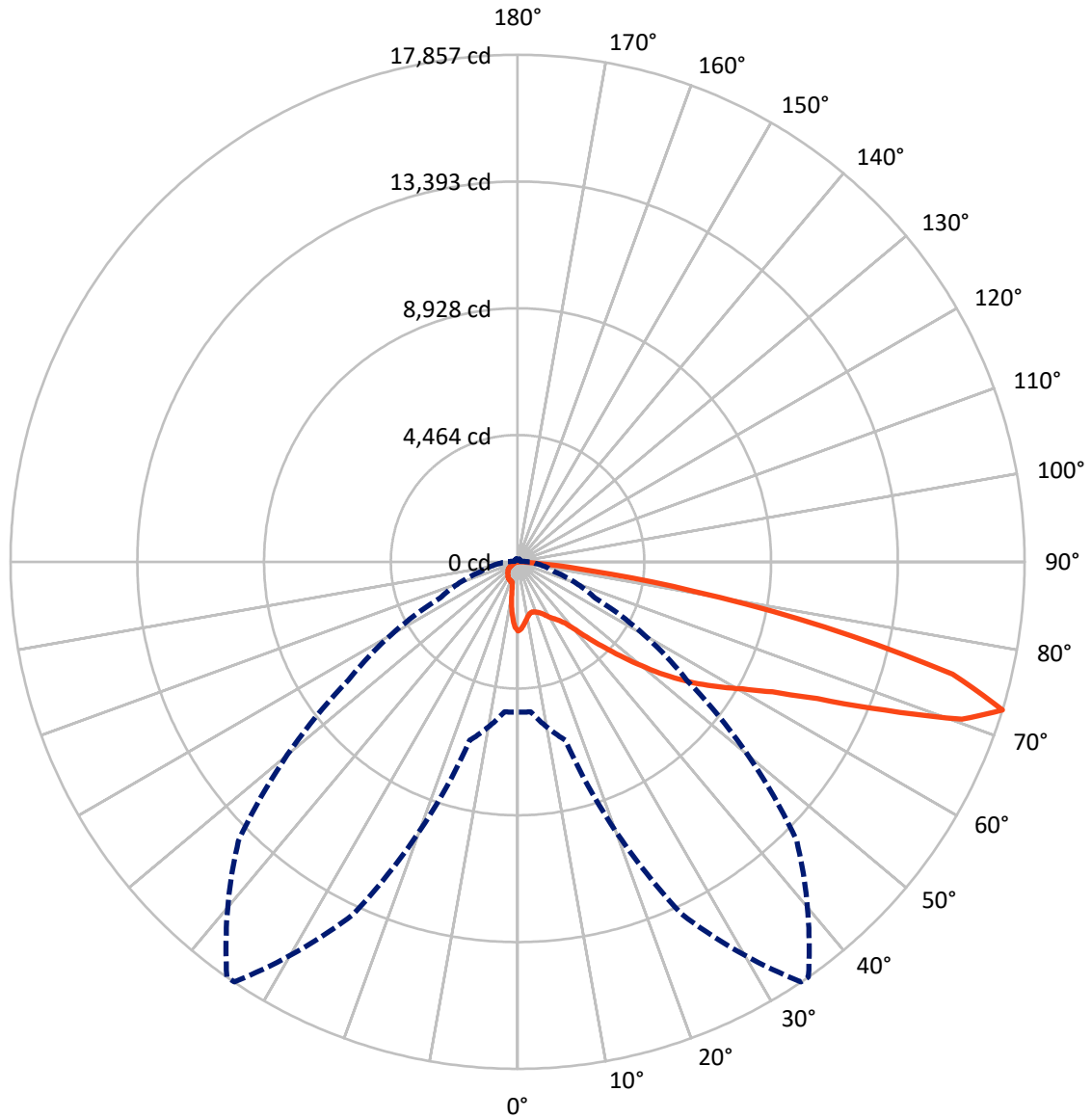
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	1894.8	0.0	1894.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	14941.2	0.0	14941.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	16836.0	0.0	16836.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.5	1.2
10°-20°	469.1	2.8
20°-30°	762.0	4.5
30°-40°	1271.4	7.6
40°-50°	2405.5	14.3
50°-60°	3822.3	22.7
60°-70°	4728.5	28.1
70°-80°	2939.2	17.5
80°-90°	237.5	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°	16836.0	100.0
0°-180°	16836.0	100.0

Coefficient of Utilization



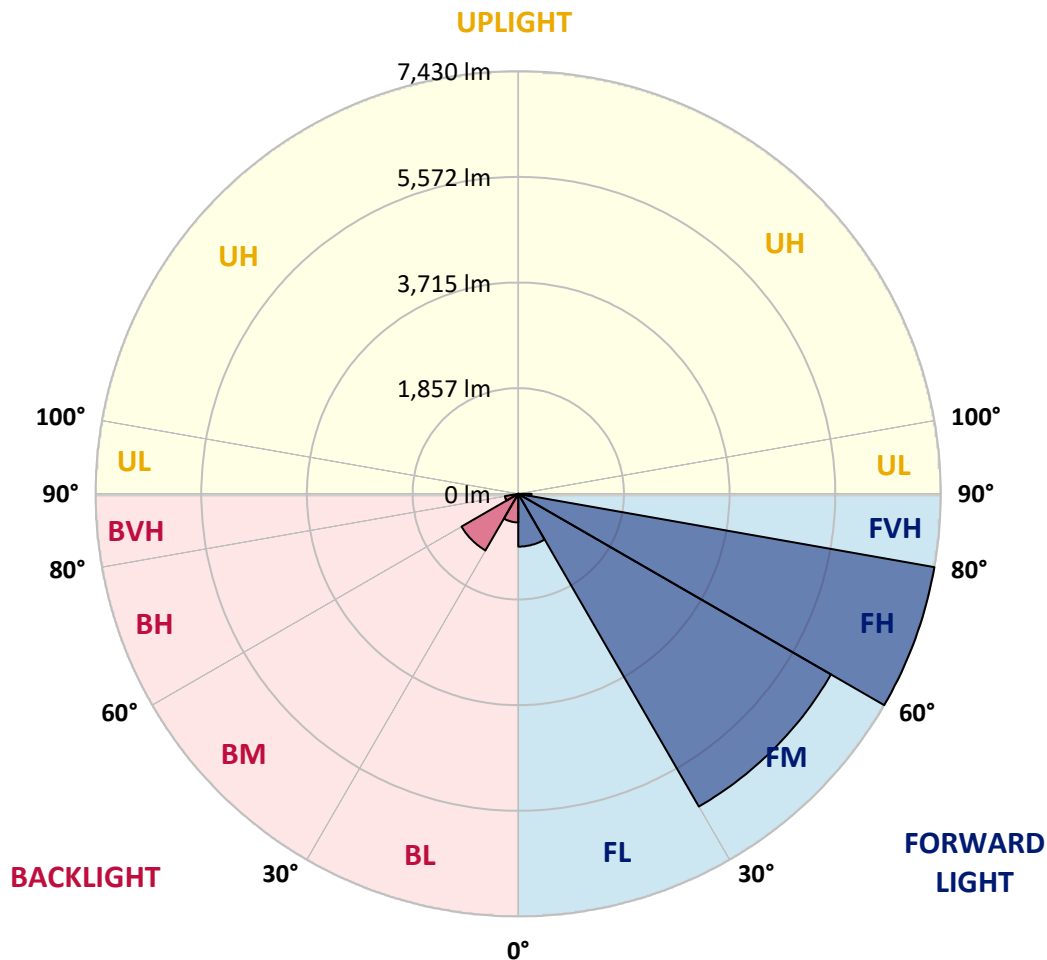
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	928.1	5.5			
FM	(30°-60°)	6348.9	37.7			
FH	(60°-80°)	7429.9	44.1			G3/7500
FVH	(80°-90°)	234.3	1.4			G3/500
BL	(0°-30°)	503.5	3.0	B2/1000		
BM	(30°-60°)	1150.3	6.8	B2/2500		
BH	(60°-80°)	237.8	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°	2440.1	2440.1	2440.1	2440.1	2440.1	2440.1	2440.1	2440.1	2440.1	2440.1
2.5°	2331.5	2351.3	2355.0	2361.1	2361.1	2368.6	2380.9	2398.2	2426.5	2441.3
5°	2149.0	2163.8	2182.3	2197.1	2225.5	2229.2	2277.3	2324.1	2389.5	2438.9
7.5°	1965.2	1982.4	2007.1	2042.9	2079.9	2091.0	2163.8	2242.7	2346.3	2438.9
10°	1835.6	1836.9	1859.1	1894.8	1954.1	1967.6	2056.4	2168.7	2298.2	2424.1
12.5°	1762.8	1771.5	1781.3	1808.5	1865.2	1873.9	1968.9	2100.9	2250.1	2415.4
15°	1762.8	1769.0	1775.2	1788.7	1834.4	1841.8	1925.7	2057.7	2225.5	2419.1
17.5°	1781.3	1791.2	1786.3	1802.3	1850.4	1855.4	1929.4	2045.3	2224.2	2442.6
20°	1825.8	1833.2	1823.3	1833.2	1881.3	1891.1	1967.6	2068.8	2245.2	2483.3
22.5°	1896.1	1899.8	1876.3	1883.7	1933.1	1945.4	2034.2	2135.4	2295.8	2548.7
25°	1984.9	1992.3	1956.5	1965.2	2012.0	2026.8	2129.2	2235.3	2376.0	2638.7
27.5°	2087.3	2091.0	2060.1	2058.9	2119.4	2140.3	2244.0	2358.7	2483.3	2752.2
30°	2204.5	2215.6	2186.0	2181.0	2257.5	2274.8	2377.2	2510.4	2641.2	2922.4
32.5°	2297.0	2305.6	2288.4	2300.7	2378.4	2392.0	2538.8	2725.1	2889.1	3164.2
35°	2430.2	2435.2	2395.7	2417.9	2506.7	2541.3	2759.6	3026.1	3201.2	3467.7
37.5°	2912.6	2912.6	2744.8	2635.0	2720.1	2751.0	3061.8	3404.8	3586.1	3874.8
40°	3580.0	3568.9	3323.4	3098.9	3087.8	3148.2	3492.4	3882.2	4083.3	4363.3
42.5°	4291.8	4274.5	3940.2	3718.1	3681.1	3702.1	3989.5	4470.6	4675.4	4959.2
45°	4923.4	4918.4	4612.5	4314.0	4247.4	4314.0	4610.0	5159.0	5305.8	5604.3
47.5°	5452.6	5452.6	5229.3	5034.4	4999.9	5039.3	5450.1	5922.6	5909.0	6291.5
50°	6062.0	6057.1	5844.9	5761.0	5796.8	5852.3	6417.3	6726.9	6533.3	6966.3
52.5°	6488.8	6518.4	6445.7	6432.1	6614.7	6710.9	7399.3	7514.0	7092.1	7606.5
55°	6826.9	6861.4	6945.3	7040.3	7391.9	7517.7	8350.4	8260.3	7559.6	8161.6
57.5°	7305.5	7256.2	7385.7	7573.2	8141.9	8293.6	9271.9	8964.7	7935.9	8611.9
60°	7886.5	7893.9	7916.1	8153.0	8890.7	9085.6	10179.8	9630.9	8177.7	8888.2
62.5°	8584.8	8595.9	8641.5	9005.4	9896.1	10079.9	11147.0	10176.1	8288.7	8810.5
65°	8536.7	8583.5	9093.0	10337.7	11424.6	11605.9	12275.8	10558.6	8120.9	8100.0
67.5°	7776.7	7853.2	8705.7	11929.1	13729.0	13931.3	13640.1	10633.8	7396.8	6298.9
70°	6780.0	6807.1	7832.3	13360.1	16397.3	16602.1	14861.4	9806.0	5613.0	3513.4
72.5°	5294.7	5300.9	6503.6	13692.0	17845.6	17856.7	13902.9	7279.6	3018.7	1349.6
75°	3782.3	3745.3	4355.9	11103.8	15700.3	15826.1	10422.9	3414.7	1153.4	637.8
77.5°	2028.1	2068.8	2464.8	6585.1	10846.0	11060.6	5687.0	984.4	587.2	434.2
80°	626.7	661.2	1010.3	3015.0	6143.4	6273.0	2108.3	437.9	409.6	309.6
82.5°	197.4	204.8	471.2	1266.9	2549.9	2609.1	610.6	248.0	280.0	204.8
85°	56.7	58.0	209.7	472.5	630.4	642.7	171.5	96.2	160.4	127.1
87.5°	6.2	19.7	79.0	79.0	55.5	54.3	18.5	21.0	45.6	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°
2440.1	0°	2440.1	2440.1	2440.1	2440.1	2440.1	2440.1	2440.1	2440.1	2440.1	2440.1
2451.2	2.5°	2445.0	2446.3	2430.2	2403.1	2373.5	2348.8	2318.0	2293.3	2276.0	2271.1
2473.4	5°	2462.3	2453.7	2408.0	2325.4	2226.7	2141.6	2046.6	1971.3	1922.0	1901.0
2496.8	7.5°	2488.2	2463.5	2363.6	2200.8	2012.0	1844.3	1674.0	1542.0	1458.1	1416.2
2519.1	10°	2510.4	2461.1	2289.6	2020.7	1732.0	1477.9	1248.4	1089.3	1000.5	958.5
2545.0	12.5°	2531.4	2459.8	2193.4	1807.3	1416.2	1105.3	891.9	813.0	788.3	779.6
2586.9	15°	2570.9	2463.5	2072.5	1563.0	1101.6	835.2	757.4	756.2	761.1	758.7
2651.0	17.5°	2625.1	2467.2	1935.6	1303.9	850.0	736.5	732.8	743.9	751.3	747.6
2731.2	20°	2695.5	2482.0	1790.0	1047.3	730.3	711.8	720.4	730.3	736.5	730.3
2838.6	22.5°	2794.1	2507.9	1630.8	841.3	692.1	697.0	704.4	715.5	721.7	713.0
2975.5	25°	2915.0	2548.7	1474.2	731.5	673.6	679.7	690.8	703.2	710.6	701.9
3148.2	27.5°	3071.7	2614.0	1329.8	706.9	655.1	658.8	674.8	693.3	703.2	692.1
3393.7	30°	3298.7	2721.4	1205.2	718.0	643.9	635.3	657.5	683.4	694.5	684.7
3728.0	32.5°	3599.7	2873.1	1128.8	735.2	639.0	608.2	629.1	662.5	681.0	674.8
4164.7	35°	3994.5	3103.8	1099.2	755.0	635.3	579.8	594.6	630.4	662.5	668.6
4714.9	37.5°	4473.1	3424.5	1107.8	763.6	624.2	556.4	563.8	594.6	636.5	656.3
5334.2	40°	5017.1	3798.3	1157.1	755.0	611.9	536.6	537.9	561.3	598.3	627.9
6000.3	42.5°	5578.4	4235.0	1248.4	722.9	600.8	519.4	515.7	531.7	556.4	577.3
6665.3	45°	6112.6	4684.1	1338.5	678.5	587.2	502.1	493.4	499.6	504.6	513.2
7312.9	47.5°	6578.9	4999.9	1312.6	637.8	568.7	482.3	467.5	465.1	450.3	449.0
7891.5	50°	6900.9	5068.9	1165.8	597.1	541.6	460.1	436.7	421.9	396.0	383.7
8324.5	52.5°	7003.3	4796.3	952.4	556.4	497.1	430.5	397.2	373.8	341.7	330.6
8573.7	55°	6867.6	4262.2	761.1	507.0	435.5	391.1	354.0	323.2	297.3	283.7
8600.8	57.5°	6535.7	3582.4	602.0	449.0	370.1	346.6	309.6	278.8	256.6	243.0
8299.8	60°	5985.5	2844.7	476.2	380.0	315.8	298.5	260.3	240.6	220.8	204.8
7522.6	62.5°	5150.4	2030.5	373.8	301.0	264.0	244.3	222.1	207.2	183.8	161.6
6124.9	65°	4019.1	1242.3	288.7	220.8	212.2	202.3	188.7	175.2	146.8	124.6
3995.7	67.5°	2535.1	588.4	206.0	166.5	167.8	162.8	156.7	145.6	124.6	104.9
1790.0	70°	1116.4	285.0	135.7	127.1	124.6	124.6	129.5	125.8	106.1	87.6
621.7	72.5°	380.0	153.0	101.2	96.2	90.1	88.8	108.6	104.9	85.1	67.8
309.6	75°	198.6	102.4	74.0	69.1	54.3	65.4	86.4	81.4	60.4	44.4
204.8	77.5°	129.5	72.8	50.6	44.4	30.8	43.2	64.1	56.7	35.8	22.2
134.5	80°	81.4	48.1	29.6	21.0	14.8	23.4	34.5	24.7	13.6	4.9
79.0	82.5°	43.2	24.7	11.1	7.4	6.2	7.4	8.6	6.2	2.5	0.0
40.7	85°	17.3	8.6	3.7	2.5	1.2	0.0	2.5	1.2	0.0	0.0
7.4	87.5°	6.2	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°
2440.1
2279.7
1908.4
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959.8
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757.4
746.3
729.1
711.8
700.7
692.1
683.4
674.8
668.6
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