

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: P852292

Luminaire Tested: **GLAN-SB2D-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852292
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-SB2D-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 900mA 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: 15120 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

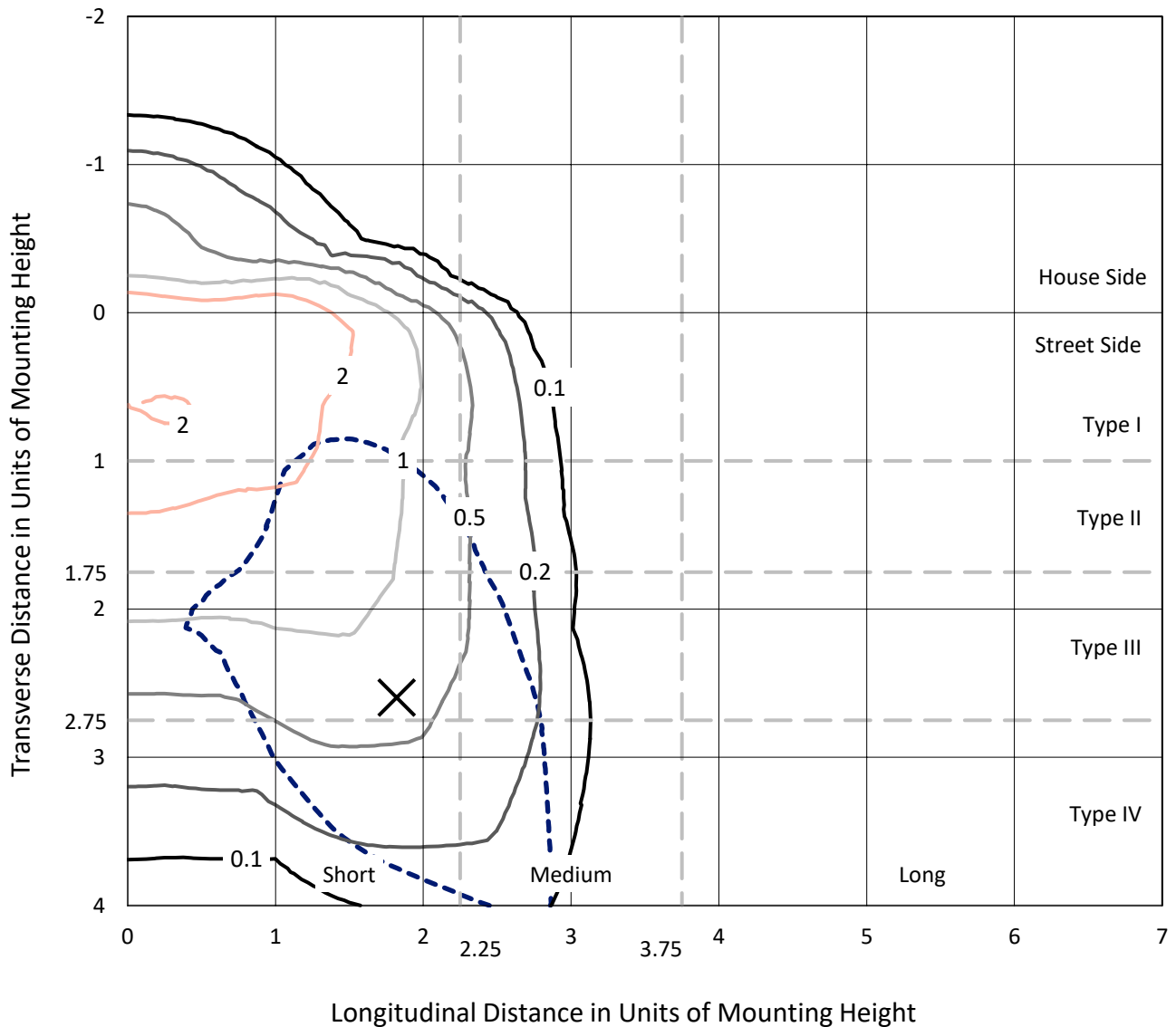
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

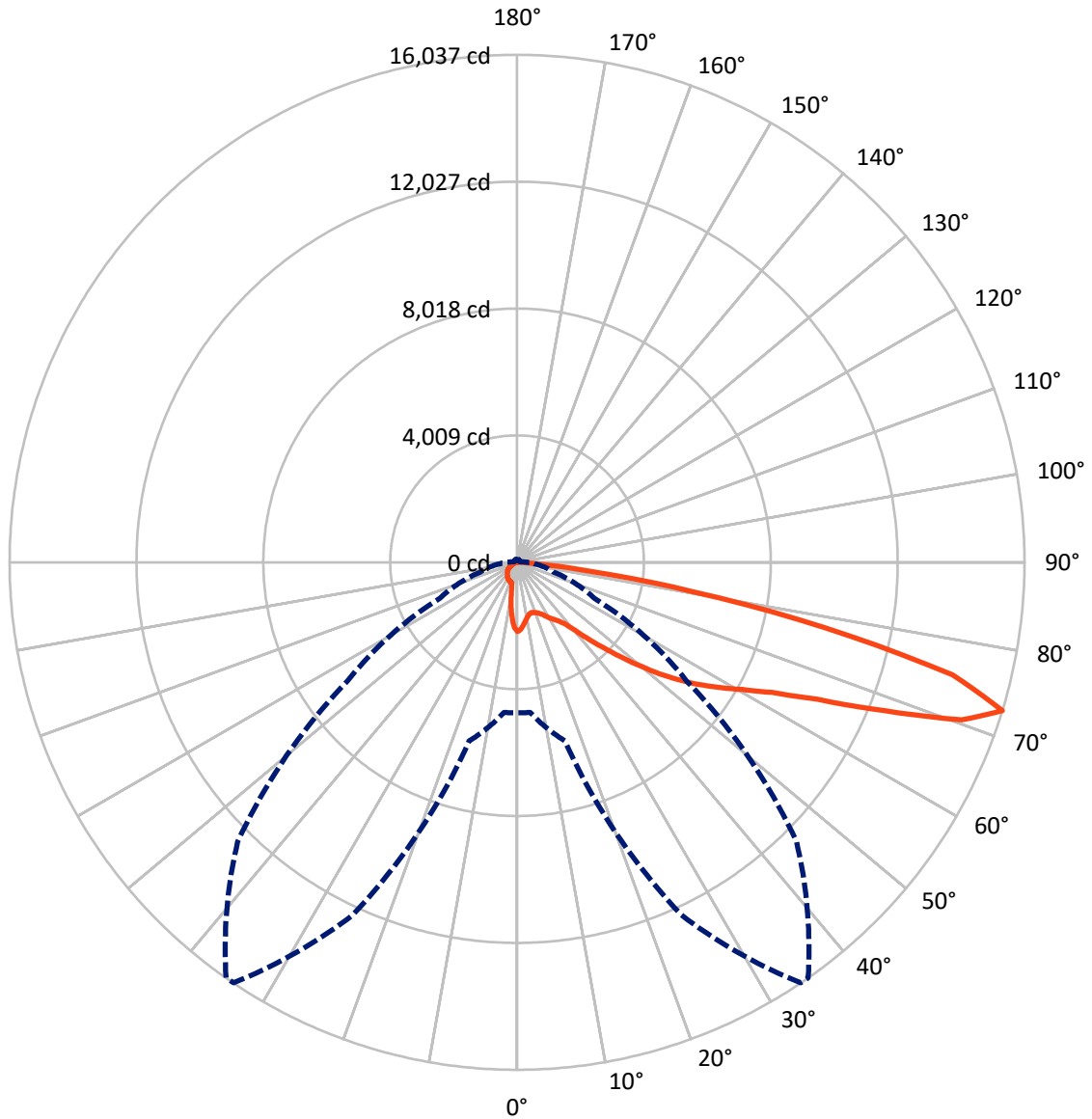
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	1701.7	0.0	1701.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	13418.3	0.0	13418.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	15120.0	0.0	15120.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.1	1.2
10°-20°	421.3	2.8
20°-30°	684.3	4.5
30°-40°	1141.8	7.6
40°-50°	2160.3	14.3
50°-60°	3432.7	22.7
60°-70°	4246.5	28.1
70°-80°	2639.7	17.5
80°-90°	213.3	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°	15120.0	100.0
0°-180°	15120.0	100.0

Coefficient of Utilization



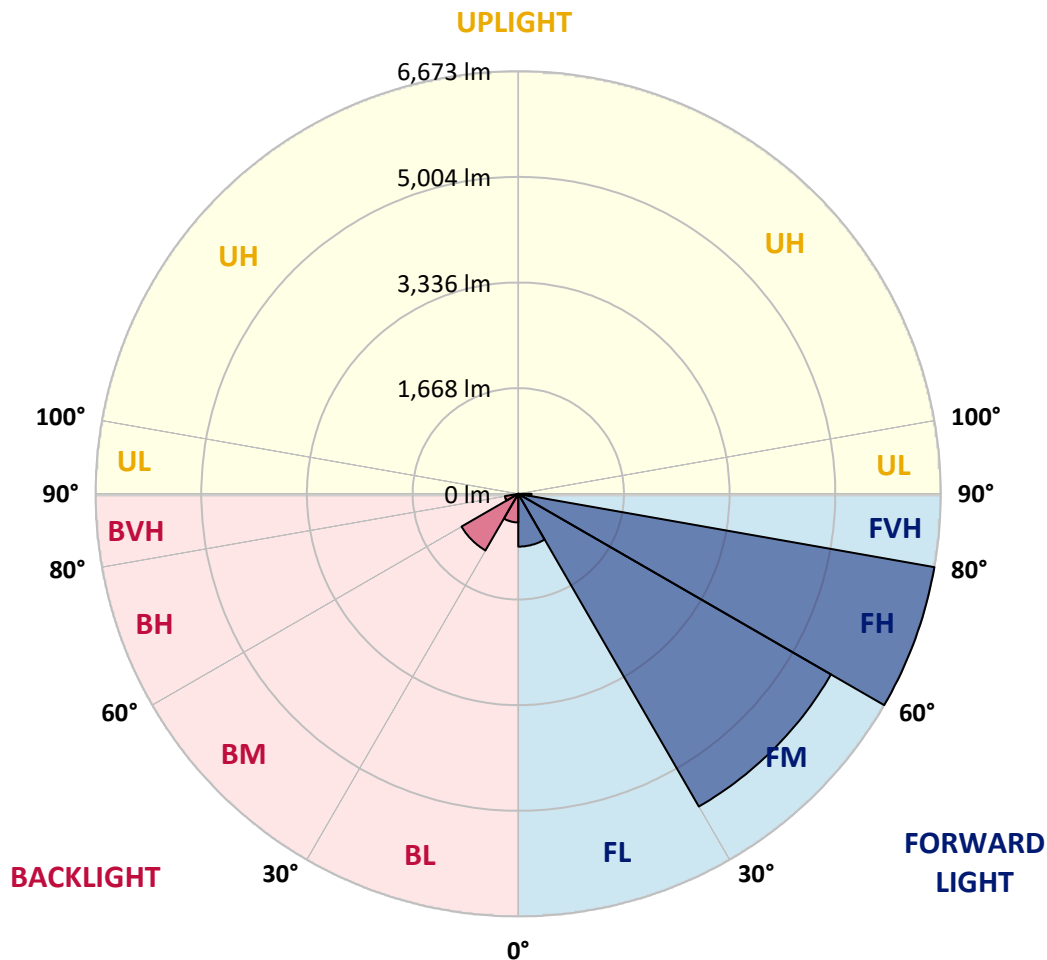
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	833.5	5.5			
FM	(30°-60°)	5701.8	37.7			
FH	(60°-80°)	6672.6	44.1			G3/7500
FVH	(80°-90°)	210.4	1.4			G2/225
BL	(0°-30°)	452.2	3.0	B1/500		
BM	(30°-60°)	1033.1	6.8	B2/2500		
BH	(60°-80°)	213.5	1.4	B1/500		G1/500
BVH	(80°-90°)	2.9	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°	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4
2.5°	2093.9	2111.6	2115.0	2120.5	2120.5	2127.1	2138.2	2153.7	2179.2	2192.5
5°	1929.9	1943.2	1959.8	1973.1	1998.6	2001.9	2045.2	2087.3	2146.0	2190.3
7.5°	1764.9	1780.4	1802.5	1834.7	1867.9	1877.9	1943.2	2014.1	2107.2	2190.3
10°	1648.5	1649.6	1669.6	1701.7	1754.9	1767.1	1846.8	1947.7	2064.0	2177.0
12.5°	1583.2	1590.9	1599.8	1624.2	1675.1	1682.9	1768.2	1886.7	2020.8	2169.2
15°	1583.2	1588.7	1594.2	1606.4	1647.4	1654.1	1729.4	1848.0	1998.6	2172.6
17.5°	1599.8	1608.6	1604.2	1618.6	1661.8	1666.3	1732.7	1836.9	1997.5	2193.6
20°	1639.7	1646.3	1637.5	1646.3	1689.5	1698.4	1767.1	1857.9	2016.3	2230.2
22.5°	1702.8	1706.1	1685.1	1691.7	1736.1	1747.1	1826.9	1917.7	2061.8	2288.9
25°	1782.6	1789.2	1757.1	1764.9	1807.0	1820.3	1912.2	2007.5	2133.8	2369.8
27.5°	1874.5	1877.9	1850.2	1849.1	1903.3	1922.2	2015.2	2118.3	2230.2	2471.7
30°	1979.8	1989.8	1963.2	1958.7	2027.4	2042.9	2134.9	2254.5	2372.0	2624.6
32.5°	2062.9	2070.6	2055.1	2066.2	2136.0	2148.2	2280.0	2447.3	2594.7	2841.7
35°	2182.5	2187.0	2151.5	2171.5	2251.2	2282.2	2478.3	2717.6	2875.0	3114.3
37.5°	2615.7	2615.7	2465.0	2366.4	2442.9	2470.6	2749.8	3057.8	3220.6	3479.9
40°	3215.1	3205.1	2984.6	2783.0	2773.0	2827.3	3136.4	3486.5	3667.1	3918.6
42.5°	3854.3	3838.8	3538.6	3339.2	3305.9	3324.8	3582.9	4015.0	4198.9	4453.7
45°	4421.6	4417.1	4142.4	3874.3	3814.4	3874.3	4140.2	4633.2	4765.0	5033.1
47.5°	4896.8	4896.8	4696.3	4521.3	4490.3	4525.7	4894.6	5319.0	5306.8	5650.2
50°	5444.1	5439.7	5249.2	5173.8	5205.9	5255.8	5763.2	6041.3	5867.4	6256.2
52.5°	5827.5	5854.1	5788.7	5776.5	5940.5	6026.9	6645.1	6748.1	6369.2	6831.2
55°	6131.0	6162.1	6237.4	6322.7	6638.4	6751.4	7499.3	7418.4	6789.1	7329.8
57.5°	6560.9	6516.6	6632.9	6801.3	7312.0	7448.3	8326.9	8051.0	7127.0	7734.1
60°	7082.7	7089.4	7109.3	7322.0	7984.5	8159.6	9142.3	8649.3	7344.2	7982.3
62.5°	7709.8	7719.7	7760.7	8087.6	8887.4	9052.5	10010.8	9138.9	7443.9	7912.5
65°	7666.6	7708.7	8166.2	9284.1	10260.1	10423.0	11024.6	9482.4	7293.2	7274.4
67.5°	6984.1	7052.8	7818.3	10713.2	12329.6	12511.3	12249.9	9550.0	6642.9	5656.9
70°	6088.9	6113.3	7034.0	11998.4	14726.0	14909.9	13346.7	8806.6	5040.9	3155.3
72.5°	4755.0	4760.6	5840.8	12296.4	16026.7	16036.6	12485.9	6537.6	2711.0	1212.0
75°	3396.8	3363.5	3911.9	9972.1	14100.0	14213.0	9360.5	3066.6	1035.9	572.8
77.5°	1821.4	1857.9	2213.6	5913.9	9740.5	9933.3	5107.3	884.1	527.4	390.0
80°	562.8	593.8	907.4	2707.7	5517.3	5633.6	1893.4	393.3	367.8	278.1
82.5°	177.3	183.9	423.2	1137.8	2290.0	2343.2	548.4	222.7	251.5	183.9
85°	51.0	52.1	188.3	424.3	566.1	577.2	154.0	86.4	144.0	114.1
87.5°	5.5	17.7	70.9	70.9	49.9	48.7	16.6	18.8	41.0	14.4
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°
2191.4	0°	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4
2201.4	2.5°	2195.8	2196.9	2182.5	2158.2	2131.6	2109.4	2081.7	2059.6	2044.0	2039.6
2221.3	5°	2211.3	2203.6	2162.6	2088.4	1999.7	1923.3	1838.0	1770.4	1726.1	1707.2
2242.4	7.5°	2234.6	2212.4	2122.7	1976.5	1807.0	1656.3	1503.4	1384.9	1309.5	1271.9
2262.3	10°	2254.5	2210.2	2056.2	1814.7	1555.5	1327.2	1121.2	978.3	898.5	860.8
2285.6	12.5°	2273.4	2209.1	1969.8	1623.1	1271.9	992.7	801.0	730.1	707.9	700.2
2323.2	15°	2308.8	2212.4	1861.2	1403.7	989.3	750.0	680.2	679.1	683.6	681.3
2380.8	17.5°	2357.6	2215.8	1738.3	1171.0	763.3	661.4	658.1	668.1	674.7	671.4
2452.9	20°	2420.7	2229.1	1607.5	940.6	655.9	639.2	647.0	655.9	661.4	655.9
2549.2	22.5°	2509.4	2252.3	1464.6	755.6	621.5	626.0	632.6	642.6	648.1	640.4
2672.2	25°	2617.9	2288.9	1323.9	657.0	604.9	610.4	620.4	631.5	638.1	630.4
2827.3	27.5°	2758.6	2347.6	1194.3	634.8	588.3	591.6	606.0	622.6	631.5	621.5
3047.8	30°	2962.5	2444.0	1082.4	644.8	578.3	570.6	590.5	613.8	623.7	614.9
3348.0	32.5°	3232.8	2580.3	1013.7	660.3	573.9	546.2	565.0	594.9	611.6	606.0
3740.2	35°	3587.3	2787.4	987.1	678.0	570.6	520.7	534.0	566.1	594.9	600.5
4234.3	37.5°	4017.2	3075.5	994.9	685.8	560.6	499.7	506.3	534.0	571.7	589.4
4790.5	40°	4505.8	3411.2	1039.2	678.0	549.5	481.9	483.0	504.1	537.3	563.9
5388.7	42.5°	5009.9	3803.4	1121.2	649.2	539.5	466.4	463.1	477.5	499.7	518.5
5985.9	45°	5489.6	4206.6	1202.1	609.3	527.4	450.9	443.2	448.7	453.1	460.9
6567.5	47.5°	5908.3	4490.3	1178.8	572.8	510.7	433.2	419.9	417.7	404.4	403.3
7087.1	50°	6197.5	4552.3	1047.0	536.2	486.4	413.2	392.2	378.9	355.6	344.6
7476.0	52.5°	6289.5	4307.5	855.3	499.7	446.5	386.7	356.7	335.7	306.9	296.9
7699.8	55°	6167.6	3827.7	683.6	455.3	391.1	351.2	318.0	290.3	267.0	254.8
7724.2	57.5°	5869.6	3217.3	540.6	403.3	332.4	311.3	278.1	250.4	230.4	218.3
7453.8	60°	5375.5	2554.8	427.6	341.2	283.6	268.1	233.8	216.0	198.3	183.9
6755.9	62.5°	4625.4	1823.6	335.7	270.3	237.1	219.4	199.4	186.1	165.1	145.1
5500.6	65°	3609.5	1115.6	259.2	198.3	190.6	181.7	169.5	157.3	131.8	111.9
3588.4	67.5°	2276.7	528.5	185.0	149.6	150.7	146.2	140.7	130.7	111.9	94.2
1607.5	70°	1002.6	255.9	121.9	114.1	111.9	111.9	116.3	113.0	95.3	78.7
558.4	72.5°	341.2	137.4	90.8	86.4	80.9	79.8	97.5	94.2	76.4	60.9
278.1	75°	178.4	92.0	66.5	62.0	48.7	58.7	77.6	73.1	54.3	39.9
183.9	77.5°	116.3	65.4	45.4	39.9	27.7	38.8	57.6	51.0	32.1	19.9
120.8	80°	73.1	43.2	26.6	18.8	13.3	21.0	31.0	22.2	12.2	4.4
70.9	82.5°	38.8	22.2	10.0	6.6	5.5	6.6	7.8	5.5	2.2	0.0
36.6	85°	15.5	7.8	3.3	2.2	1.1	0.0	2.2	1.1	0.0	0.0
6.6	87.5°	5.5	1.1	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°
2191.4
2047.4
1713.9
1277.4
861.9
698.0
680.2
670.3
654.8
639.2
629.3
621.5
613.8
606.0
600.5
593.8
572.8
526.2
465.3
402.2
345.7
295.8
254.8
216.0
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141.8
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