

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: P852406

Luminaire Tested: **GLAN-SB3C-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852406
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-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 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: 14086 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

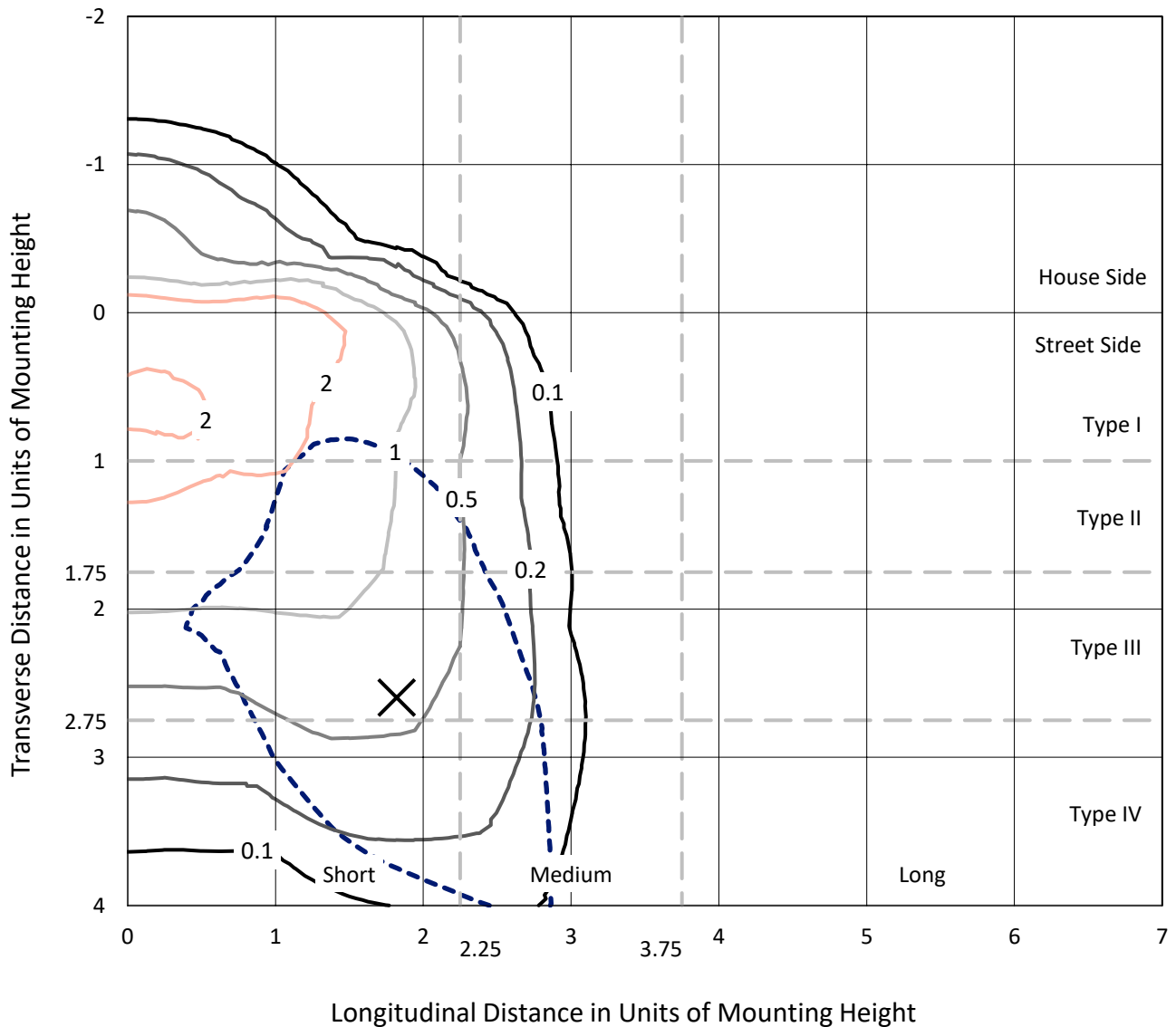
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

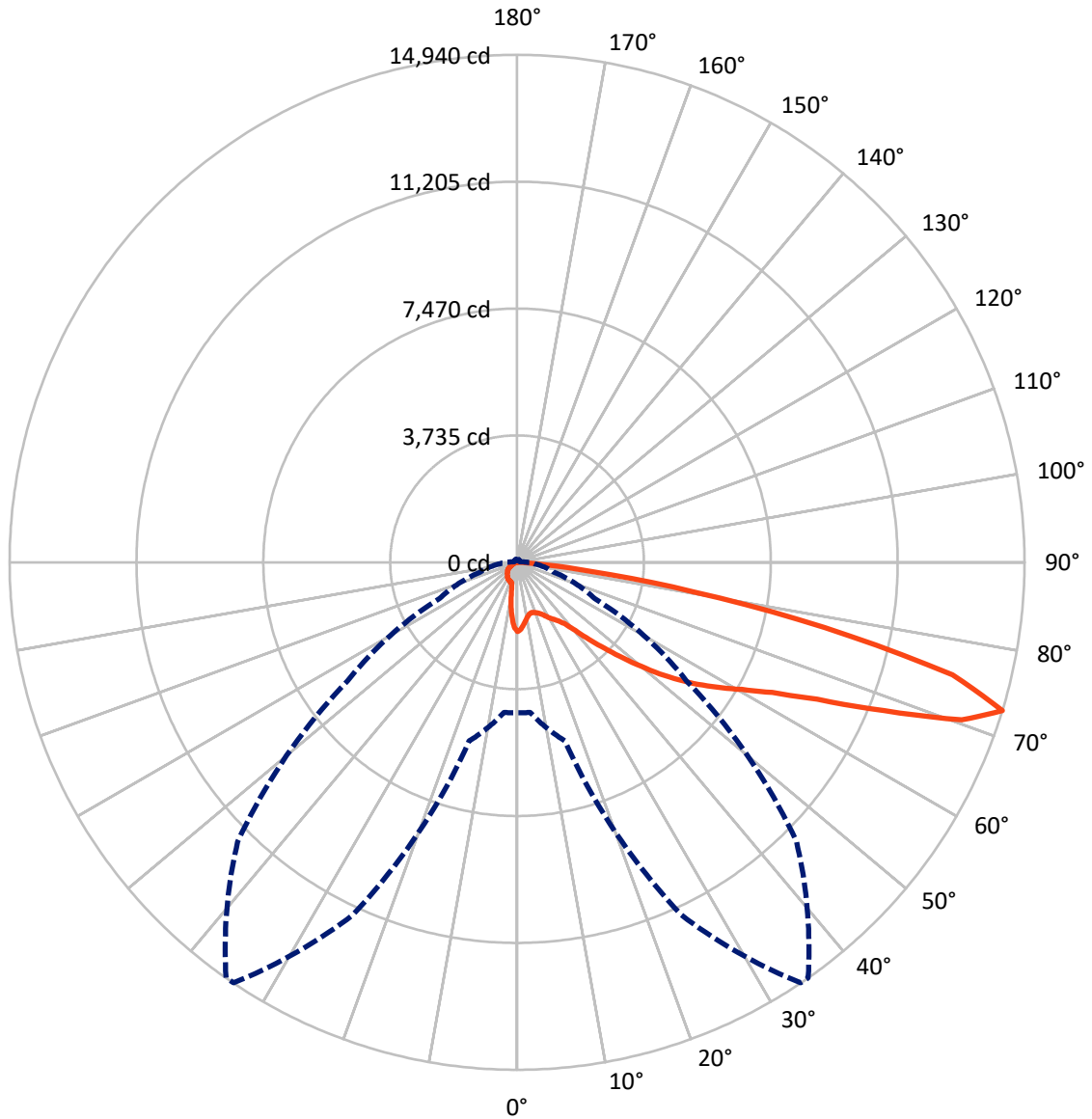
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	1585.3	0.0	1585.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	12500.7	0.0	12500.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	14086.0	0.0	14086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.8	1.2
10°-20°	392.5	2.8
20°-30°	637.5	4.5
30°-40°	1063.7	7.6
40°-50°	2012.6	14.3
50°-60°	3198.0	22.7
60°-70°	3956.1	28.1
70°-80°	2459.1	17.5
80°-90°	198.7	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°	14086.0	100.0
0°-180°	14086.0	100.0

Coefficient of Utilization



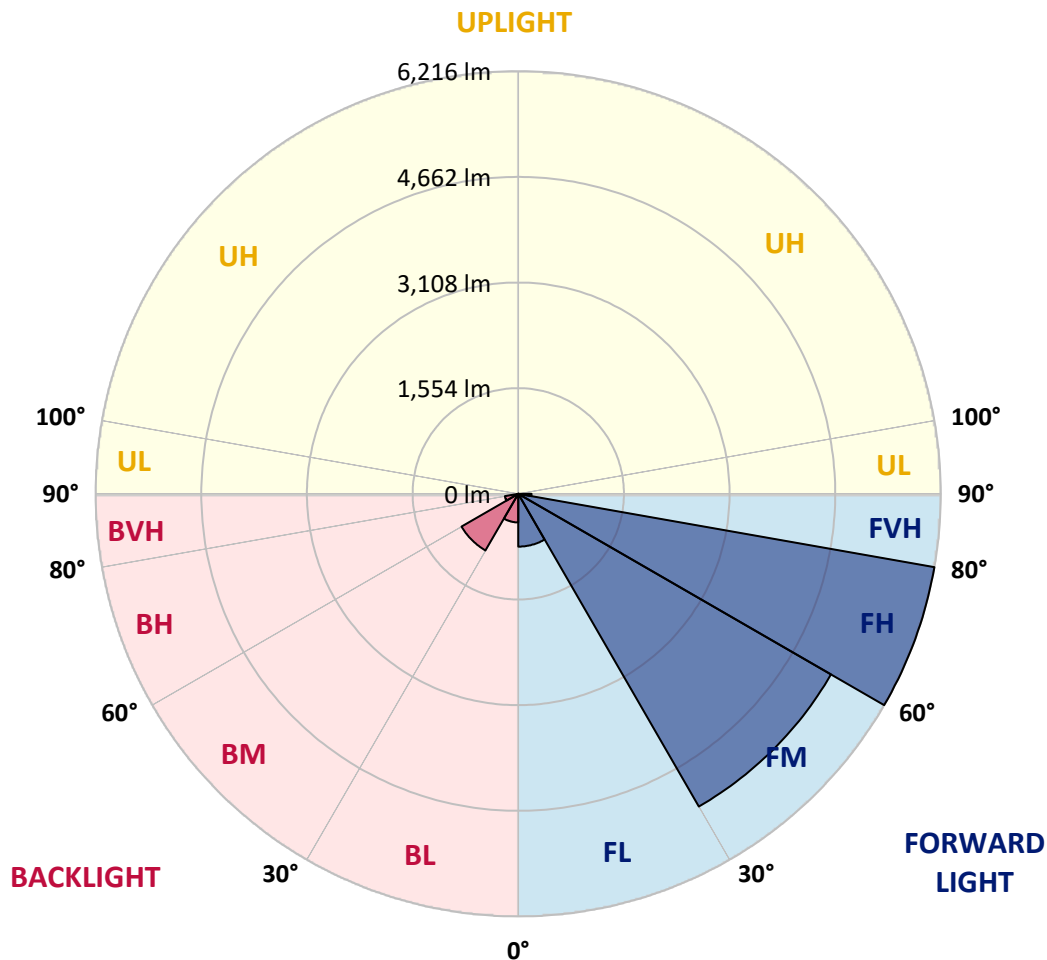
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	776.5	5.5			
FM	(30°-60°)	5311.8	37.7			
FH	(60°-80°)	6216.3	44.1			G3/7500
FVH	(80°-90°)	196.0	1.4			G2/225
BL	(0°-30°)	421.2	3.0	B1/500		
BM	(30°-60°)	962.4	6.8	B1/1000		
BH	(60°-80°)	198.9	1.4	B1/500		G1/500
BVH	(80°-90°)	2.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2041.5	2041.5	2041.5	2041.5	2041.5	2041.5	2041.5	2041.5	2041.5	2041.5
2.5°	1950.7	1967.2	1970.3	1975.5	1975.5	1981.7	1992.0	2006.4	2030.2	2042.6
5°	1798.0	1810.3	1825.8	1838.2	1861.9	1865.0	1905.3	1944.5	1999.2	2040.5
7.5°	1644.2	1658.6	1679.3	1709.2	1740.2	1749.4	1810.3	1876.4	1963.1	2040.5
10°	1535.8	1536.8	1555.4	1585.3	1634.9	1646.2	1720.5	1814.5	1922.8	2028.1
12.5°	1474.9	1482.1	1490.4	1513.1	1560.6	1567.8	1647.3	1757.7	1882.6	2020.9
15°	1474.9	1480.1	1485.2	1496.6	1534.8	1541.0	1611.1	1721.6	1861.9	2024.0
17.5°	1490.4	1498.6	1494.5	1507.9	1548.2	1552.3	1614.2	1711.3	1860.9	2043.6
20°	1527.5	1533.7	1525.5	1533.7	1574.0	1582.2	1646.2	1730.9	1878.5	2077.7
22.5°	1586.4	1589.5	1569.9	1576.0	1617.3	1627.7	1702.0	1786.6	1920.8	2132.4
25°	1660.7	1666.9	1636.9	1644.2	1683.4	1695.8	1781.4	1870.2	1987.9	2207.7
27.5°	1746.3	1749.4	1723.6	1722.6	1773.2	1790.7	1877.4	1973.4	2077.7	2302.7
30°	1844.4	1853.7	1828.9	1824.8	1888.8	1903.2	1988.9	2100.4	2209.8	2445.1
32.5°	1921.8	1929.0	1914.6	1924.9	1989.9	2001.3	2124.1	2280.0	2417.2	2647.4
35°	2033.3	2037.4	2004.4	2023.0	2097.3	2126.2	2308.9	2531.8	2678.4	2901.3
37.5°	2436.8	2436.8	2296.5	2204.6	2275.8	2301.6	2561.7	2848.7	3000.4	3241.9
40°	2995.2	2985.9	2780.5	2592.7	2583.4	2634.0	2921.9	3248.1	3416.3	3650.6
42.5°	3590.7	3576.3	3296.6	3110.8	3079.8	3097.4	3337.9	3740.4	3911.7	4149.1
45°	4119.2	4115.1	3859.1	3609.3	3553.6	3609.3	3857.0	4316.3	4439.1	4688.9
47.5°	4562.0	4562.0	4375.2	4212.1	4183.2	4216.2	4559.9	4955.2	4943.9	5263.8
50°	5071.8	5067.7	4890.2	4820.0	4849.9	4896.4	5369.1	5628.2	5466.1	5828.4
52.5°	5429.0	5453.7	5392.8	5381.5	5534.2	5614.7	6190.7	6286.6	5933.7	6364.1
55°	5711.8	5740.7	5810.8	5890.3	6184.5	6289.7	6986.4	6911.1	6324.8	6828.5
57.5°	6112.2	6070.9	6179.3	6336.2	6812.0	6938.9	7757.4	7500.4	6639.6	7205.2
60°	6598.3	6604.5	6623.1	6821.3	7438.5	7601.6	8517.1	8057.8	6841.9	7436.4
62.5°	7182.5	7191.8	7230.0	7534.5	8279.7	8433.5	9326.2	8514.0	6934.8	7371.4
65°	7142.3	7181.5	7607.8	8649.2	9558.5	9710.2	10270.6	8833.9	6794.4	6776.9
67.5°	6506.5	6570.5	7283.7	9980.6	11486.5	11655.7	11412.2	8896.9	6188.6	5270.0
70°	5672.5	5695.2	6552.9	11177.9	13718.9	13890.3	12434.0	8204.3	4696.1	2939.5
72.5°	4429.9	4435.0	5441.3	11455.5	14930.7	14939.9	11632.0	6090.5	2525.6	1129.1
75°	3164.5	3133.5	3644.4	9290.1	13135.8	13241.1	8720.4	2856.9	965.0	533.6
77.5°	1696.8	1730.9	2062.2	5509.5	9074.4	9254.0	4758.1	823.6	491.3	363.3
80°	524.3	553.2	845.3	2522.5	5140.0	5248.3	1763.9	366.4	342.7	259.1
82.5°	165.1	171.3	394.3	1060.0	2133.4	2182.9	510.9	207.5	234.3	171.3
85°	47.5	48.5	175.5	395.3	527.4	537.7	143.5	80.5	134.2	106.3
87.5°	5.2	16.5	66.1	66.1	46.4	45.4	15.5	17.5	38.2	13.4
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°
2041.5	0°	2041.5	2041.5	2041.5	2041.5	2041.5	2041.5	2041.5	2041.5	2041.5	2041.5
2050.8	2.5°	2045.7	2046.7	2033.3	2010.6	1985.8	1965.2	1939.4	1918.7	1904.3	1900.1
2069.4	5°	2060.1	2052.9	2014.7	1945.5	1863.0	1791.8	1712.3	1649.3	1608.0	1590.5
2089.0	7.5°	2081.8	2061.1	1977.5	1841.3	1683.4	1543.0	1400.6	1290.2	1220.0	1184.9
2107.6	10°	2100.4	2059.1	1915.6	1690.6	1449.1	1236.5	1044.5	911.4	837.0	802.0
2129.3	12.5°	2117.9	2058.0	1835.1	1512.1	1184.9	924.8	746.2	680.2	659.5	652.3
2164.4	15°	2150.9	2061.1	1734.0	1307.7	921.7	698.7	633.7	632.7	636.8	634.8
2218.0	17.5°	2196.4	2064.2	1619.4	1091.0	711.1	616.2	613.1	622.4	628.6	625.5
2285.1	20°	2255.2	2076.6	1497.6	876.3	611.0	595.5	602.8	611.0	616.2	611.0
2374.9	22.5°	2337.8	2098.3	1364.5	703.9	579.0	583.1	589.3	598.6	603.8	596.6
2489.5	25°	2438.9	2132.4	1233.4	612.0	563.5	568.7	578.0	588.3	594.5	587.3
2634.0	27.5°	2570.0	2187.1	1112.6	591.4	548.1	551.2	564.6	580.1	588.3	579.0
2839.4	30°	2759.9	2276.9	1008.4	600.7	538.8	531.5	550.1	571.8	581.1	572.8
3119.1	32.5°	3011.7	2403.8	944.4	615.1	534.6	508.8	526.4	554.2	569.7	564.6
3484.4	35°	3342.0	2596.8	919.6	631.7	531.5	485.1	497.5	527.4	554.2	559.4
3944.8	37.5°	3742.5	2865.2	926.8	638.9	522.3	465.5	471.7	497.5	532.6	549.1
4462.9	40°	4197.6	3177.9	968.1	631.7	511.9	449.0	450.0	469.6	500.6	525.3
5020.2	42.5°	4667.2	3543.3	1044.5	604.8	502.6	434.5	431.4	444.8	465.5	483.0
5576.5	45°	5114.2	3919.0	1119.9	567.7	491.3	420.1	412.8	418.0	422.1	429.4
6118.4	47.5°	5504.3	4183.2	1098.2	533.6	475.8	403.6	391.2	389.1	376.7	375.7
6602.5	50°	5773.7	4241.0	975.4	499.5	453.1	385.0	365.4	353.0	331.3	321.0
6964.7	52.5°	5859.3	4012.9	796.8	465.5	415.9	360.2	332.3	312.7	285.9	276.6
7173.2	55°	5745.8	3566.0	636.8	424.2	364.3	327.2	296.2	270.4	248.7	237.4
7195.9	57.5°	5468.2	2997.3	503.7	375.7	309.6	290.0	259.1	233.3	214.7	203.3
6944.1	60°	5007.8	2380.1	398.4	317.9	264.2	249.8	217.8	201.3	184.7	171.3
6293.9	62.5°	4309.1	1698.9	312.7	251.8	220.9	204.4	185.8	173.4	153.8	135.2
5124.5	65°	3362.6	1039.3	241.5	184.7	177.5	169.3	157.9	146.6	122.8	104.2
3343.0	67.5°	2121.0	492.3	172.4	139.3	140.4	136.2	131.1	121.8	104.2	87.7
1497.6	70°	934.1	238.4	113.5	106.3	104.2	104.2	108.4	105.3	88.8	73.3
520.2	72.5°	317.9	128.0	84.6	80.5	75.3	74.3	90.8	87.7	71.2	56.8
259.1	75°	166.2	85.7	61.9	57.8	45.4	54.7	72.2	68.1	50.6	37.2
171.3	77.5°	108.4	60.9	42.3	37.2	25.8	36.1	53.7	47.5	29.9	18.6
112.5	80°	68.1	40.3	24.8	17.5	12.4	19.6	28.9	20.6	11.4	4.1
66.1	82.5°	36.1	20.6	9.3	6.2	5.2	6.2	7.2	5.2	2.1	0.0
34.1	85°	14.4	7.2	3.1	2.1	1.0	0.0	2.1	1.0	0.0	0.0
6.2	87.5°	5.2	1.0	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

<u>180°</u>
2041.5
1907.4
1596.7
1190.0
803.0
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633.7
624.4
610.0
595.5
586.2
579.0
571.8
564.6
559.4
553.2
533.6
490.3
433.5
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322.0
275.6
237.4
201.3
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