

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: P847487

Luminaire Tested: **GLAN-SB3C-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14591 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

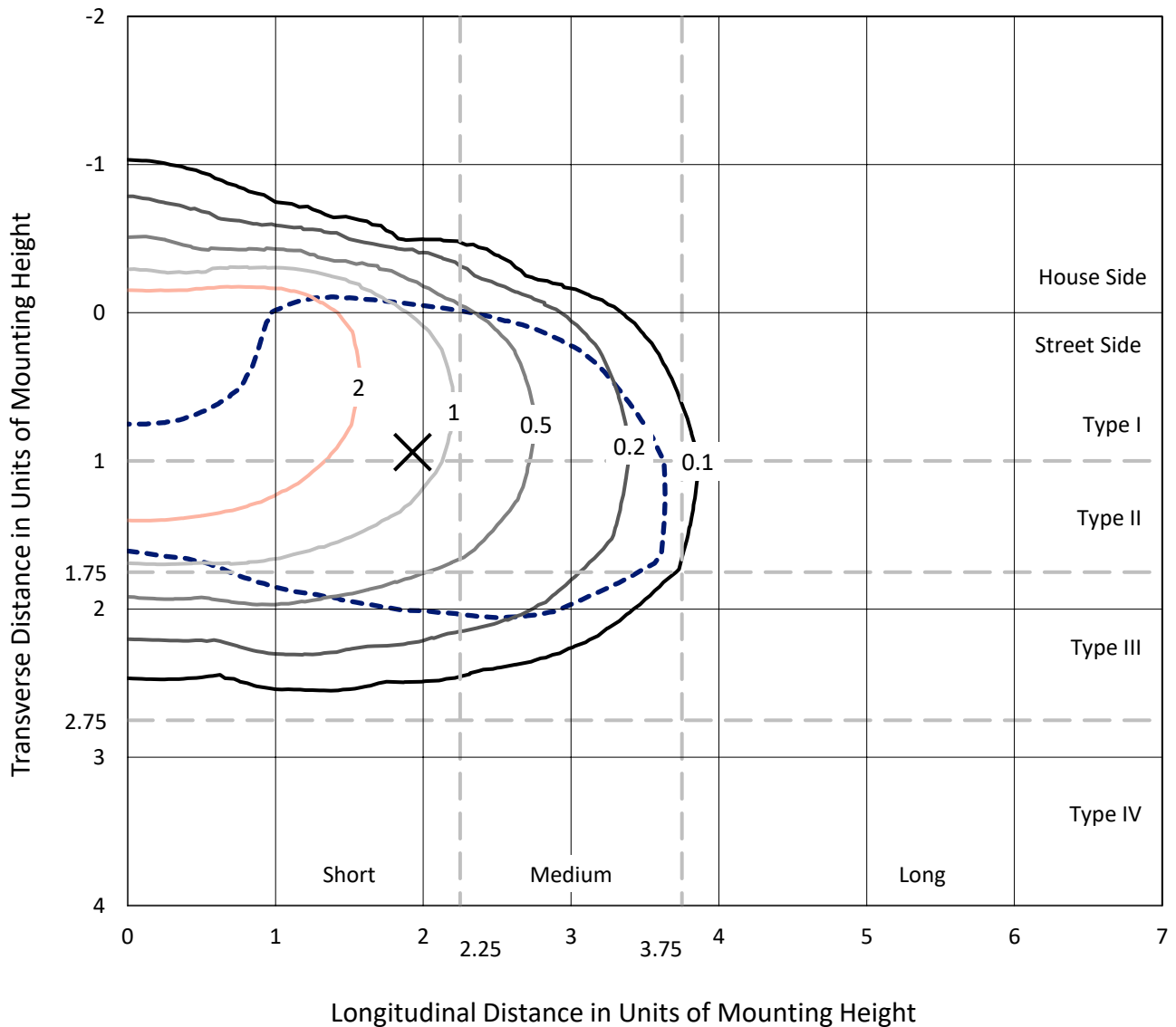
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

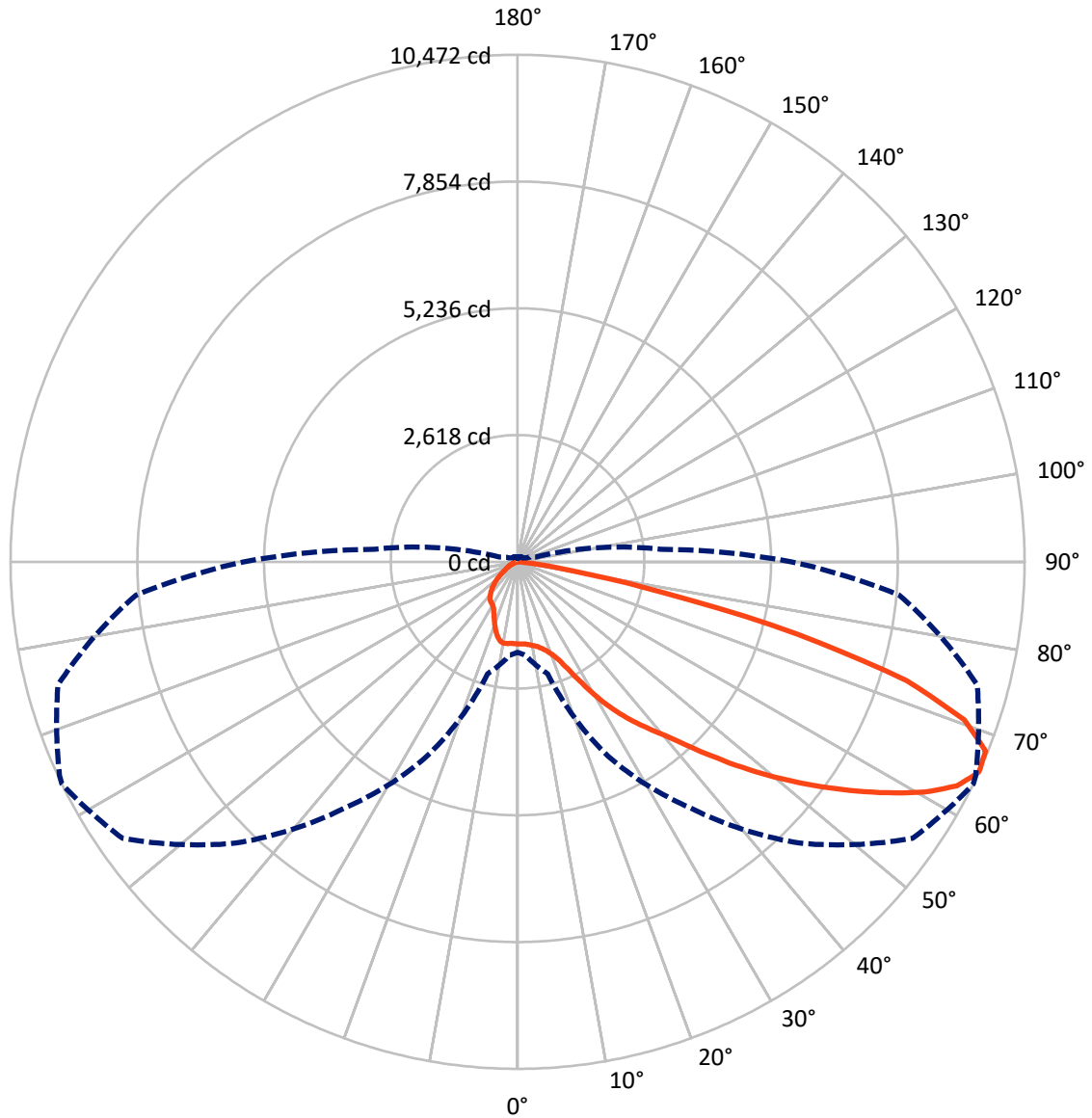
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1951.3	0.0	1951.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	12639.7	0.0	12639.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	14591.0	0.0	14591.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	1.1
10°-20°	424.7	2.9
20°-30°	804.7	5.5
30°-40°	1628.4	11.2
40°-50°	2773.9	19.0
50°-60°	3772.3	25.9
60°-70°	3542.4	24.3
70°-80°	1419.2	9.7
80°-90°	68.8	0.5
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°	14591.0	100.0
0°-180°	14591.0	100.0

Coefficient of Utilization



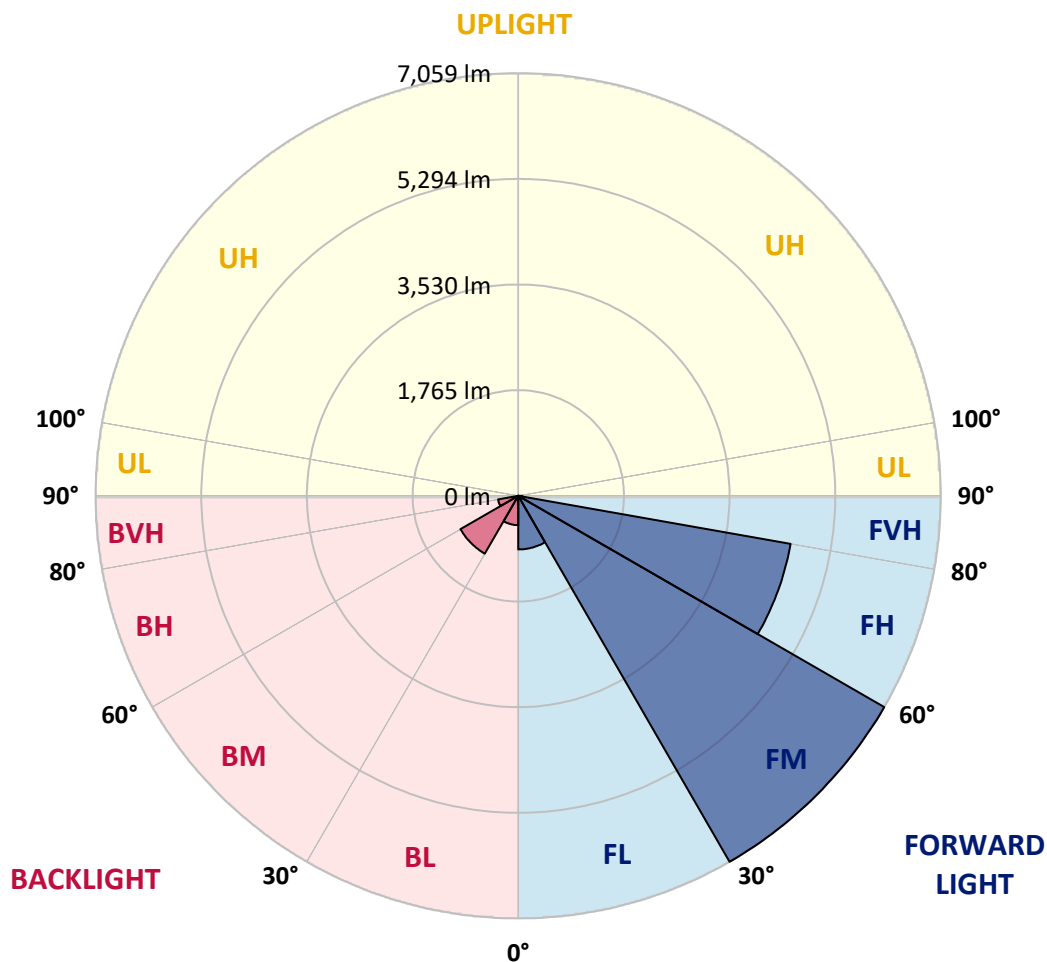
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	896.1	6.1			
FM (30°-60°)	7059.1	48.4			
FH (60°-80°)	4619.2	31.7			G2/5000
FVH (80°-90°)	65.4	0.4			G1/100
BL (0°-30°)	489.9	3.4	B1/500		
BM (30°-60°)	1115.5	7.6	B2/2500		
BH (60°-80°)	342.5	2.3	B1/500		G1/500
BVH (80°-90°)	3.4	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1
2.5°	1691.2	1703.0	1700.0	1697.1	1696.1	1698.1	1699.0	1698.1	1698.1	1698.1
5°	1658.9	1668.7	1668.7	1675.6	1685.3	1697.1	1705.9	1707.8	1709.8	1712.7
7.5°	1597.3	1605.1	1611.0	1633.5	1658.0	1689.3	1715.7	1729.4	1731.3	1742.1
10°	1555.3	1565.0	1574.8	1598.3	1633.5	1680.5	1725.5	1758.7	1763.6	1789.0
12.5°	1553.3	1563.1	1575.8	1601.2	1642.3	1692.2	1747.0	1794.9	1803.7	1840.9
15°	1573.8	1585.6	1597.3	1628.6	1672.6	1733.3	1792.0	1851.6	1860.4	1913.3
17.5°	1615.9	1631.5	1640.4	1671.7	1718.6	1786.1	1863.4	1931.8	1939.7	2001.3
20°	1699.0	1717.6	1720.6	1746.0	1792.0	1864.3	1956.3	2041.4	2051.2	2121.6
22.5°	1871.2	1897.6	1874.1	1886.8	1927.9	2000.3	2100.1	2207.7	2221.4	2301.6
25°	2174.4	2211.6	2150.9	2129.4	2147.0	2222.3	2347.6	2483.5	2499.2	2563.7
27.5°	2770.1	2722.2	2630.2	2540.2	2487.4	2530.5	2671.3	2839.6	2859.1	2921.7
30°	3424.5	3382.4	3258.2	3058.7	2933.5	2926.6	3056.7	3244.5	3267.0	3326.7
32.5°	4079.9	4039.7	3904.8	3659.2	3442.1	3334.5	3424.5	3632.8	3644.6	3682.7
35°	4724.4	4683.4	4548.4	4297.0	4030.0	3785.4	3767.8	4002.6	4006.5	4046.6
37.5°	5373.0	5338.7	5194.9	4948.4	4685.3	4347.9	4184.5	4352.8	4357.6	4396.8
40°	5835.6	5850.3	5751.5	5560.8	5334.8	4966.1	4652.1	4725.4	4696.1	4761.6
42.5°	6232.8	6262.1	6176.0	6080.2	5949.1	5624.3	5231.1	5218.4	5171.5	5206.7
45°	6576.1	6600.5	6523.3	6500.8	6497.8	6269.9	5864.0	5787.7	5722.2	5715.3
47.5°	6702.3	6749.2	6782.5	6857.8	7004.5	6908.7	6518.4	6400.0	6326.7	6272.9
50°	6750.2	6800.1	6913.5	7132.6	7479.9	7521.0	7169.8	7036.8	6946.8	6849.0
52.5°	6685.6	6774.6	6927.2	7296.0	7799.7	8012.0	7794.9	7678.5	7575.7	7416.3
55°	6305.1	6394.1	6706.2	7294.0	7959.2	8356.3	8385.7	8333.8	8218.4	7967.0
57.5°	5503.1	5635.1	6129.1	7045.6	7956.2	8652.7	8964.7	9001.9	8872.8	8512.8
60°	4391.9	4570.9	5173.4	6494.9	7710.7	8813.1	9472.4	9658.2	9521.3	9050.8
62.5°	3064.5	3271.9	3842.2	5632.2	7149.3	8697.7	9843.1	10186.4	10082.7	9532.0
65°	1869.2	1935.8	2395.5	4432.0	6194.6	8214.5	9957.5	10472.0	10437.8	9826.5
67.5°	1245.2	1300.9	1433.0	3039.1	4808.6	7249.0	9683.7	10422.2	10431.9	9778.5
70°	750.2	798.2	884.2	1767.5	3116.4	5737.8	8835.6	9786.4	9843.1	9137.8
72.5°	309.1	341.4	419.6	801.1	1613.9	3641.6	7035.8	8402.3	8534.3	7683.3
75°	175.1	191.7	246.5	402.0	700.4	1697.1	4261.8	5964.7	6159.4	5295.7
77.5°	116.4	124.2	159.4	260.2	394.2	579.1	1821.3	3107.6	3479.3	2892.4
80°	78.3	85.1	109.6	174.1	256.3	248.4	580.0	1151.3	1416.4	993.8
82.5°	52.8	53.8	78.3	114.4	162.4	120.3	171.2	358.0	449.9	287.6
85°	30.3	29.3	57.7	66.5	72.4	49.9	51.8	107.6	140.9	121.3
87.5°	3.9	5.9	22.5	17.6	9.8	10.8	10.8	18.6	27.4	29.3
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°
1697.1	0°	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1
1699.0	2.5°	1699.0	1698.1	1695.1	1692.2	1685.3	1681.4	1683.4	1681.4	1680.5	1681.4
1711.8	5°	1711.8	1708.8	1701.0	1691.2	1677.5	1660.9	1650.1	1634.5	1619.8	1611.0
1746.0	7.5°	1746.0	1743.1	1732.3	1704.9	1660.9	1591.4	1527.9	1472.1	1430.1	1405.6
1800.8	10°	1800.8	1795.9	1779.2	1718.6	1603.2	1451.6	1325.4	1220.7	1152.3	1120.0
1865.3	12.5°	1865.3	1859.5	1830.1	1705.9	1493.6	1256.9	1082.8	966.4	902.8	874.5
1939.7	15°	1941.6	1933.8	1876.1	1645.2	1334.2	1041.7	882.3	795.2	754.2	728.7
2034.5	17.5°	2036.5	2022.8	1910.3	1554.3	1161.1	877.4	759.0	693.5	657.3	632.9
2158.8	20°	2159.7	2137.3	1937.7	1445.7	1001.6	773.7	675.9	621.1	593.7	572.2
2334.8	22.5°	2331.9	2299.6	1971.0	1328.3	889.1	702.3	614.3	574.2	551.7	527.2
2580.4	25°	2545.1	2507.0	2012.0	1219.7	811.9	640.7	569.3	536.0	509.6	481.2
2902.2	27.5°	2843.5	2775.0	2061.0	1130.7	745.3	587.9	528.2	491.0	460.7	437.2
3267.0	30°	3176.0	3063.6	2104.0	1076.9	684.7	539.0	474.4	437.2	408.9	392.2
3594.7	32.5°	3491.0	3338.4	2132.4	1053.5	629.9	483.2	415.7	375.6	354.1	349.2
3915.5	35°	3788.4	3586.9	2129.4	1031.0	581.0	427.5	358.0	316.9	300.3	303.2
4260.8	37.5°	4130.7	3851.9	2108.9	995.8	540.9	376.6	308.1	271.9	257.3	258.2
4680.4	40°	4528.8	4158.1	2096.2	929.2	496.9	329.6	267.0	237.7	226.9	223.0
5122.6	42.5°	4953.3	4454.5	2098.1	853.9	442.1	287.6	238.7	214.2	204.4	201.5
5614.6	45°	5379.8	4737.2	2101.1	775.7	384.4	255.3	218.1	197.6	191.7	187.8
6113.4	47.5°	5780.8	4977.8	2046.3	691.5	327.7	230.8	201.5	187.8	182.9	178.0
6614.2	50°	6154.5	5138.2	1914.2	593.7	282.7	211.3	188.8	179.0	174.1	169.2
7068.1	52.5°	6445.0	5163.6	1696.1	493.0	251.4	196.6	181.0	172.2	166.3	161.4
7434.9	55°	6574.1	5004.2	1386.0	399.1	226.9	183.9	173.1	164.3	157.5	152.6
7723.4	57.5°	6540.9	4668.7	1080.9	320.8	203.5	171.2	163.4	157.5	149.7	141.8
7957.2	60°	6377.5	4219.7	814.8	267.0	181.9	157.5	152.6	147.7	136.9	125.2
8047.2	62.5°	6094.8	3655.3	581.0	221.1	158.5	141.8	139.9	136.0	120.3	98.8
7914.2	65°	5662.5	2969.7	391.3	183.9	136.0	124.2	125.2	118.4	97.8	73.4
7427.1	67.5°	5030.6	2171.5	250.4	150.6	113.5	103.7	104.7	100.7	83.1	62.6
6503.7	70°	4225.6	1437.9	163.4	114.4	91.0	80.2	86.1	87.1	70.4	50.9
4991.5	72.5°	3097.8	849.0	114.4	85.1	66.5	55.8	70.4	72.4	56.7	38.1
3002.9	75°	1765.6	403.0	86.1	61.6	41.1	39.1	54.8	54.8	39.1	25.4
1300.0	77.5°	741.4	168.2	60.6	40.1	23.5	22.5	37.2	34.2	19.6	11.7
316.9	80°	214.2	75.3	32.3	19.6	9.8	8.8	14.7	10.8	4.9	2.0
120.3	82.5°	84.1	33.3	12.7	7.8	3.9	3.9	2.0	0.0	0.0	0.0
68.5	85°	49.9	13.7	5.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0
14.7	87.5°	12.7	2.9	2.0	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°
1697.1
1685.3
1613.0
1406.6
1117.0
871.5
729.7
630.9
568.3
523.3
478.3
432.3
389.3
352.1
303.2
262.1
222.0
200.5
187.8
178.0
169.2
160.4
151.6
140.9
123.2
96.8
71.4
59.7
48.9
36.2
23.5
11.7
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