

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: P847257

Luminaire Tested: **GLAN-SB3B-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847257
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-SB3B-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA 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: 13003 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

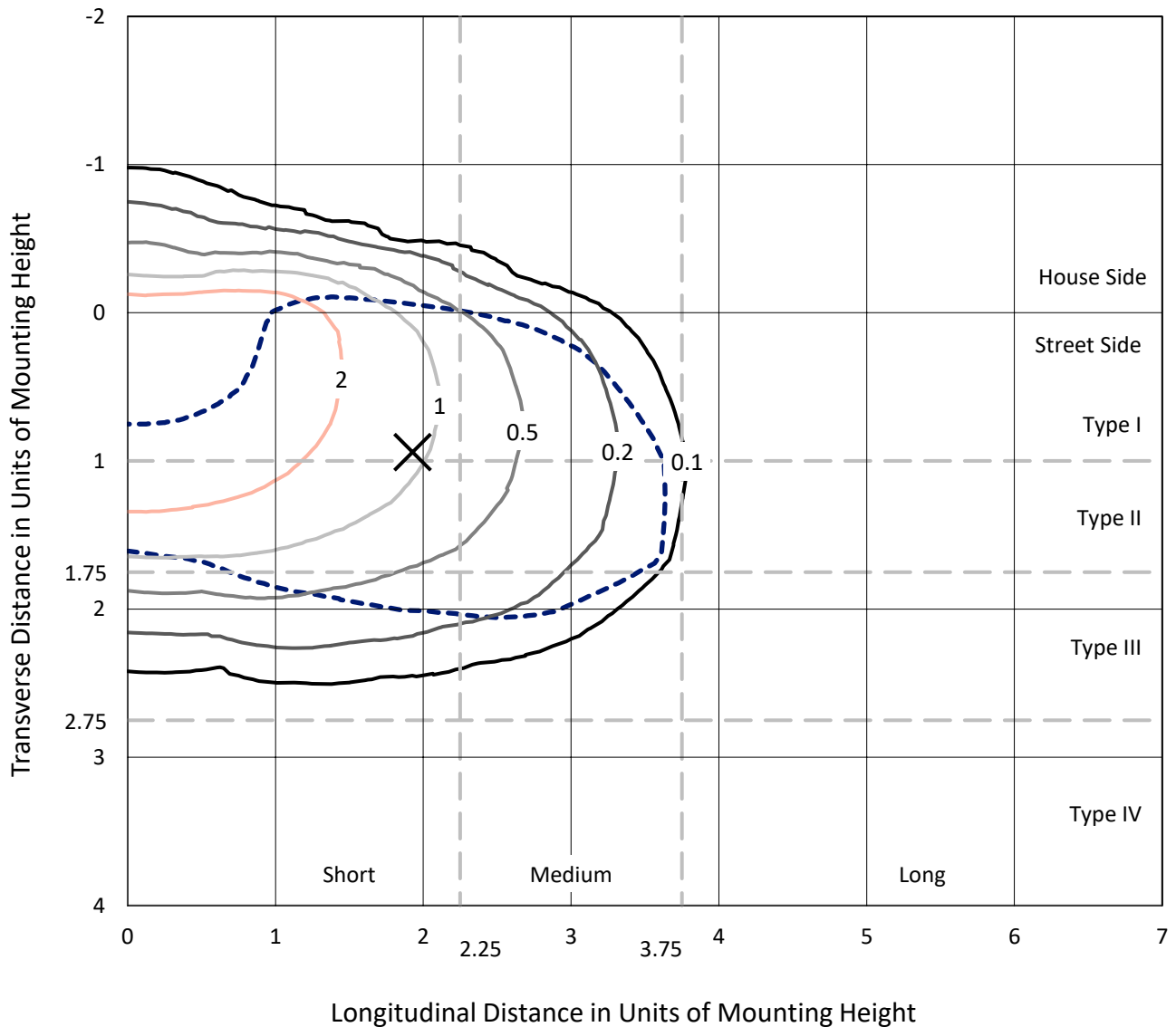
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

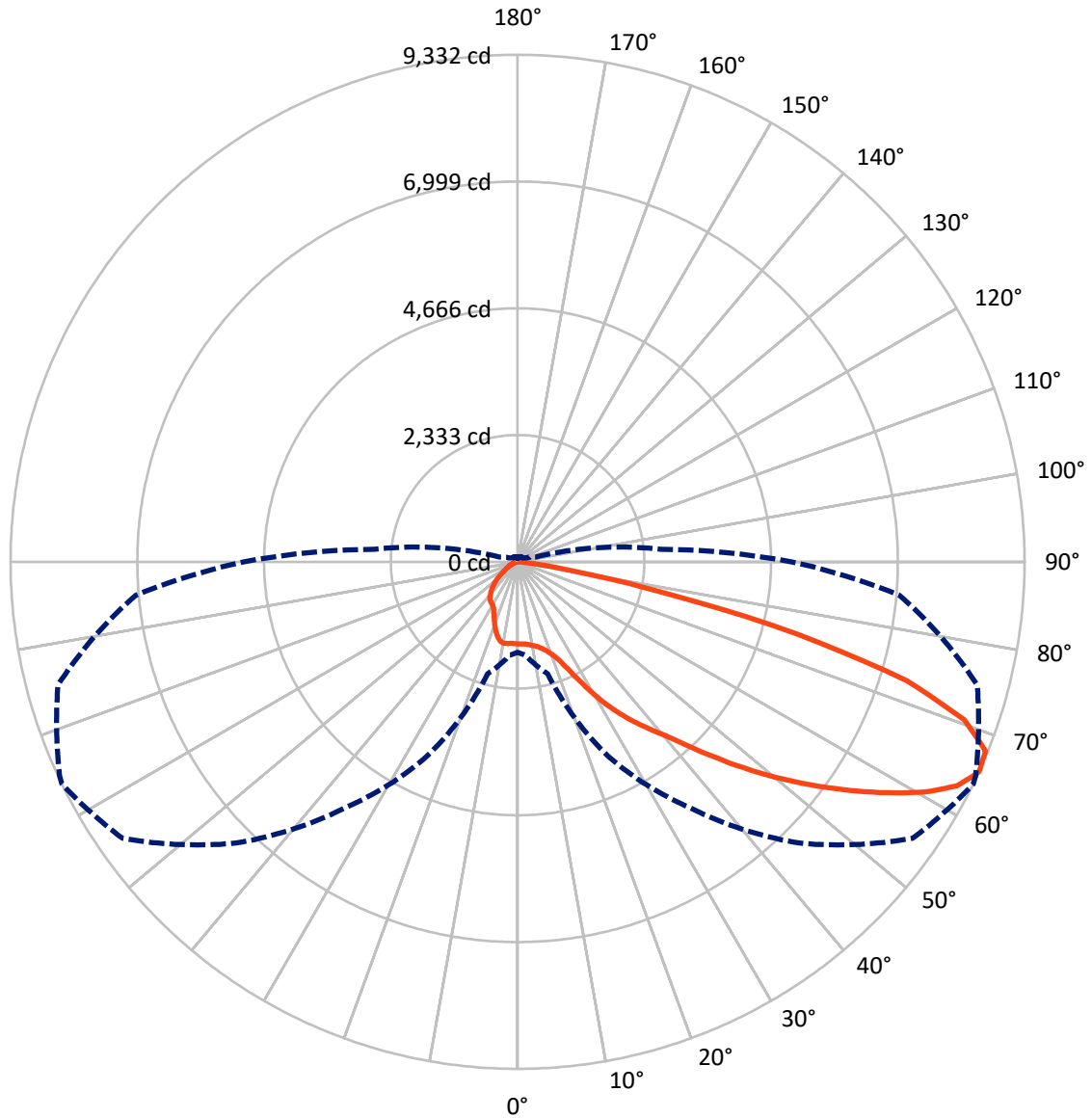
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	1738.9	0.0	1738.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	11264.1	0.0	11264.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	13003.0	0.0	13003.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.5	1.1
10°-20°	378.5	2.9
20°-30°	717.1	5.5
30°-40°	1451.1	11.2
40°-50°	2472.0	19.0
50°-60°	3361.8	25.9
60°-70°	3156.9	24.3
70°-80°	1264.8	9.7
80°-90°	61.3	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°	13003.0	100.0
0°-180°	13003.0	100.0

Coefficient of Utilization



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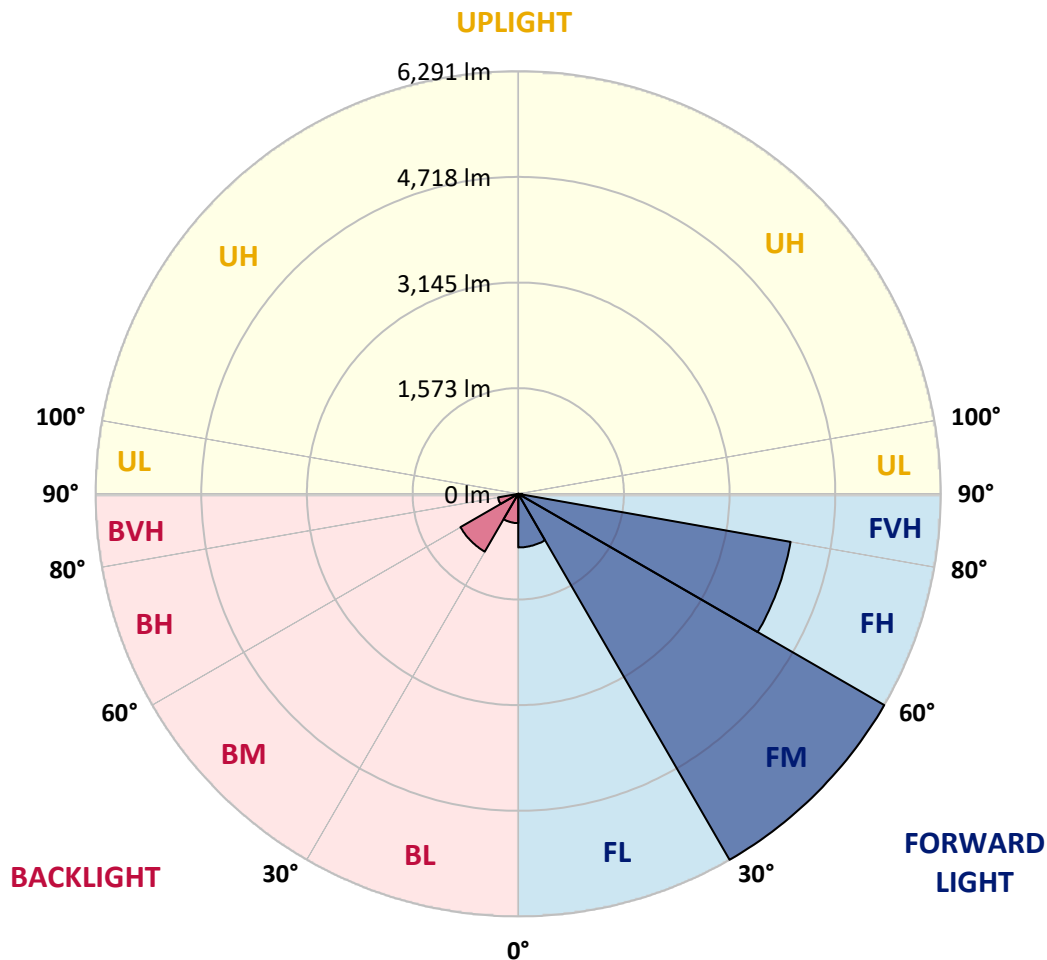
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	798.5	6.1			
FM (30°-60°)	6290.8	48.4			
FH (60°-80°)	4116.4	31.7			G2/5000
FVH (80°-90°)	58.3	0.4			G1/100
BL (0°-30°)	436.6	3.4	B1/500		
BM (30°-60°)	994.1	7.6	B1/1000		
BH (60°-80°)	305.2	2.3	B1/500		G1/500
BVH (80°-90°)	3.0	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4
2.5°	1507.2	1517.6	1515.0	1512.4	1511.5	1513.3	1514.1	1513.3	1513.3	1513.3
5°	1478.4	1487.1	1487.1	1493.2	1501.9	1512.4	1520.2	1522.0	1523.7	1526.3
7.5°	1423.5	1430.4	1435.7	1455.7	1477.5	1505.4	1528.9	1541.1	1542.9	1552.5
10°	1386.0	1394.7	1403.4	1424.3	1455.7	1497.6	1537.7	1567.3	1571.7	1594.3
12.5°	1384.2	1393.0	1404.3	1427.0	1463.6	1508.0	1556.8	1599.6	1607.4	1640.5
15°	1402.6	1413.0	1423.5	1451.4	1490.6	1544.6	1596.9	1650.1	1658.0	1705.0
17.5°	1440.0	1454.0	1461.8	1489.7	1531.6	1591.7	1660.6	1721.6	1728.6	1783.5
20°	1514.1	1530.7	1533.3	1556.0	1596.9	1661.4	1743.4	1819.2	1827.9	1890.7
22.5°	1667.5	1691.1	1670.2	1681.5	1718.1	1782.6	1871.5	1967.4	1979.6	2051.1
25°	1937.8	1970.9	1916.8	1897.7	1913.4	1980.5	2092.1	2213.2	2227.2	2284.7
27.5°	2468.6	2425.9	2344.0	2263.8	2216.7	2255.1	2380.6	2530.5	2548.0	2603.7
30°	3051.8	3014.3	2903.6	2725.8	2614.2	2608.1	2724.0	2891.4	2911.4	2964.6
32.5°	3635.8	3600.1	3479.8	3261.0	3067.5	2971.6	3051.8	3237.5	3247.9	3281.9
35°	4210.3	4173.7	4053.4	3829.3	3591.4	3373.4	3357.8	3567.0	3570.4	3606.2
37.5°	4788.2	4757.7	4629.6	4409.9	4175.4	3874.7	3729.1	3879.0	3883.4	3918.3
40°	5200.5	5213.6	5125.5	4955.6	4754.2	4425.6	4145.8	4211.1	4185.0	4243.4
42.5°	5554.4	5580.6	5503.9	5418.4	5301.6	5012.2	4661.8	4650.5	4608.6	4640.0
45°	5860.4	5882.2	5813.3	5793.3	5790.6	5587.5	5225.8	5157.8	5099.4	5093.3
47.5°	5972.8	6014.7	6044.3	6111.4	6242.2	6156.8	5808.9	5703.5	5638.1	5590.2
50°	6015.5	6060.0	6161.1	6356.4	6665.8	6702.4	6389.5	6270.9	6190.7	6103.6
52.5°	5958.0	6037.3	6173.3	6501.9	6950.9	7140.0	6946.5	6842.8	6751.2	6609.2
55°	5618.9	5698.2	5976.3	6500.2	7092.9	7446.9	7473.0	7426.8	7323.9	7099.9
57.5°	4904.1	5021.8	5462.0	6278.8	7090.3	7711.0	7989.0	8022.2	7907.1	7586.3
60°	3913.9	4073.4	4610.4	5788.0	6871.5	7853.9	8441.5	8607.1	8485.0	8065.8
62.5°	2731.0	2915.8	3424.0	5019.2	6371.2	7751.1	8771.8	9077.8	8985.4	8494.6
65°	1665.8	1725.1	2134.8	3949.6	5520.4	7320.5	8873.8	9332.3	9301.8	8757.0
67.5°	1109.7	1159.3	1277.0	2708.3	4285.2	6460.1	8629.7	9287.9	9296.6	8714.3
70°	668.6	711.3	788.0	1575.1	2777.2	5113.3	7874.0	8721.3	8771.8	8143.3
72.5°	275.5	304.2	374.0	713.9	1438.3	3245.3	6270.1	7487.8	7605.5	6847.1
75°	156.0	170.9	219.7	358.3	624.1	1512.4	3798.0	5315.6	5489.0	4719.3
77.5°	103.7	110.7	142.1	231.9	351.3	516.0	1623.1	2769.4	3100.6	2577.6
80°	69.7	75.8	97.6	155.2	228.4	221.4	516.9	1026.0	1262.2	885.6
82.5°	47.1	47.9	69.7	102.0	144.7	107.2	152.5	319.0	401.0	256.3
85°	27.0	26.2	51.4	59.3	64.5	44.5	46.2	95.9	125.5	108.1
87.5°	3.5	5.2	20.0	15.7	8.7	9.6	9.6	16.6	24.4	26.2
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°
1512.4	0°	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4
1514.1	2.5°	1514.1	1513.3	1510.6	1508.0	1501.9	1498.4	1500.2	1498.4	1497.6	1498.4
1525.5	5°	1525.5	1522.8	1515.9	1507.2	1495.0	1480.1	1470.5	1456.6	1443.5	1435.7
1556.0	7.5°	1556.0	1553.4	1543.8	1519.4	1480.1	1418.2	1361.6	1311.9	1274.4	1252.6
1604.8	10°	1604.8	1600.4	1585.6	1531.6	1428.7	1293.6	1181.1	1087.9	1026.9	998.1
1662.3	12.5°	1662.3	1657.1	1630.9	1520.2	1331.1	1120.1	965.0	861.2	804.6	779.3
1728.6	15°	1730.3	1723.3	1671.9	1466.2	1189.0	928.4	786.3	708.7	672.1	649.4
1813.1	17.5°	1814.9	1802.7	1702.4	1385.1	1034.7	781.9	676.4	618.0	585.8	564.0
1923.8	20°	1924.7	1904.6	1726.8	1288.4	892.6	689.5	602.3	553.5	529.1	509.9
2080.7	22.5°	2078.1	2049.3	1756.5	1183.8	792.4	625.9	547.4	511.7	491.6	469.8
2299.5	25°	2268.1	2234.1	1793.1	1087.0	723.5	571.0	507.3	477.7	454.2	428.9
2586.3	27.5°	2534.0	2473.0	1836.7	1007.7	664.2	523.9	470.7	437.6	410.6	389.6
2911.4	30°	2830.4	2730.1	1875.0	959.7	610.2	480.3	422.8	389.6	364.4	349.5
3203.5	32.5°	3111.1	2975.1	1900.3	938.8	561.4	430.6	370.5	334.7	315.6	311.2
3489.4	35°	3376.1	3196.5	1897.7	918.8	517.8	380.9	319.0	282.4	267.6	270.2
3797.1	37.5°	3681.2	3432.7	1879.4	887.4	482.0	335.6	274.6	242.3	229.3	230.1
4171.0	40°	4035.9	3705.6	1868.0	828.1	442.8	293.8	238.0	211.8	202.2	198.7
4565.0	42.5°	4414.2	3969.7	1869.8	761.0	394.0	256.3	212.7	190.9	182.2	179.6
5003.5	45°	4794.3	4221.6	1872.4	691.3	342.6	227.5	194.4	176.1	170.9	167.4
5448.1	47.5°	5151.7	4436.0	1823.6	616.3	292.0	205.7	179.6	167.4	163.0	158.6
5894.4	50°	5484.7	4579.0	1705.9	529.1	251.9	188.3	168.2	159.5	155.2	150.8
6298.8	52.5°	5743.6	4601.7	1511.5	439.3	224.0	175.2	161.3	153.4	148.2	143.8
6625.7	55°	5858.6	4459.6	1235.2	355.6	202.2	163.9	154.3	146.4	140.3	136.0
6882.9	57.5°	5829.0	4160.6	963.2	285.9	181.3	152.5	145.6	140.3	133.4	126.4
7091.2	60°	5683.4	3760.5	726.1	238.0	162.1	140.3	136.0	131.6	122.0	111.6
7171.4	62.5°	5431.5	3257.5	517.8	197.0	141.2	126.4	124.7	121.2	107.2	88.0
7052.9	65°	5046.2	2646.5	348.7	163.9	121.2	110.7	111.6	105.5	87.2	65.4
6618.7	67.5°	4483.1	1935.2	223.2	134.2	101.1	92.4	93.3	89.8	74.1	55.8
5795.9	70°	3765.7	1281.4	145.6	102.0	81.1	71.5	76.7	77.6	62.8	45.3
4448.2	72.5°	2760.6	756.6	102.0	75.8	59.3	49.7	62.8	64.5	50.6	34.0
2676.1	75°	1573.4	359.1	76.7	54.9	36.6	34.9	48.8	48.8	34.9	22.7
1158.5	77.5°	660.7	149.9	54.0	35.7	20.9	20.0	33.1	30.5	17.4	10.5
282.4	80°	190.9	67.1	28.8	17.4	8.7	7.8	13.1	9.6	4.4	1.7
107.2	82.5°	75.0	29.6	11.3	7.0	3.5	3.5	1.7	0.0	0.0	0.0
61.0	85°	44.5	12.2	5.2	2.6	0.9	0.0	0.0	0.0	0.0	0.0
13.1	87.5°	11.3	2.6	1.7	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°
1512.4
1501.9
1437.4
1253.5
995.5
776.7
650.3
562.2
506.5
466.4
426.3
385.3
346.9
313.8
270.2
233.6
197.9
178.7
167.4
158.6
150.8
143.0
135.1
125.5
109.8
86.3
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