

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: P847907

Luminaire Tested: **GLAN-SB4B-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847907
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-SB4B-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 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: 13841 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

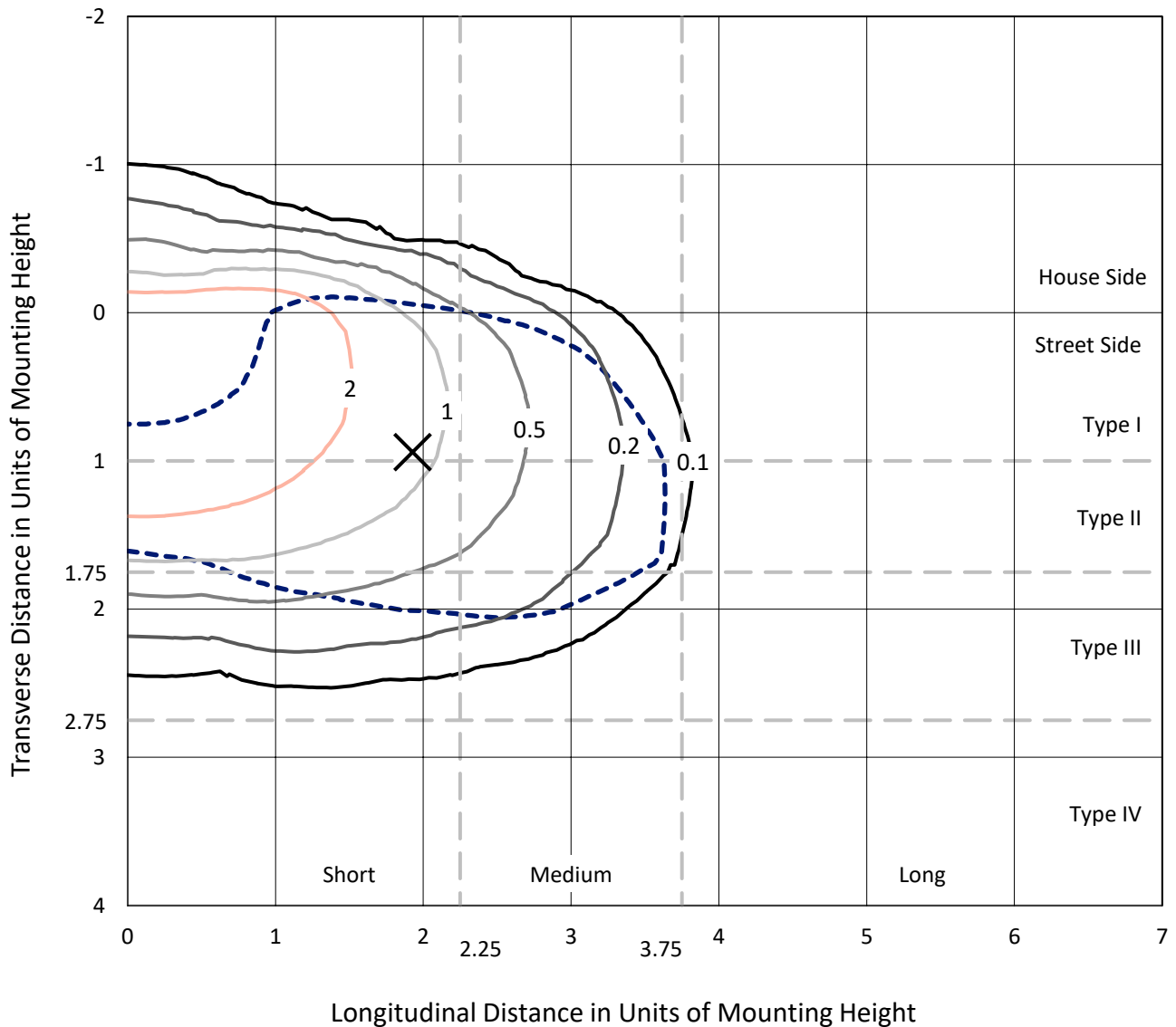
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

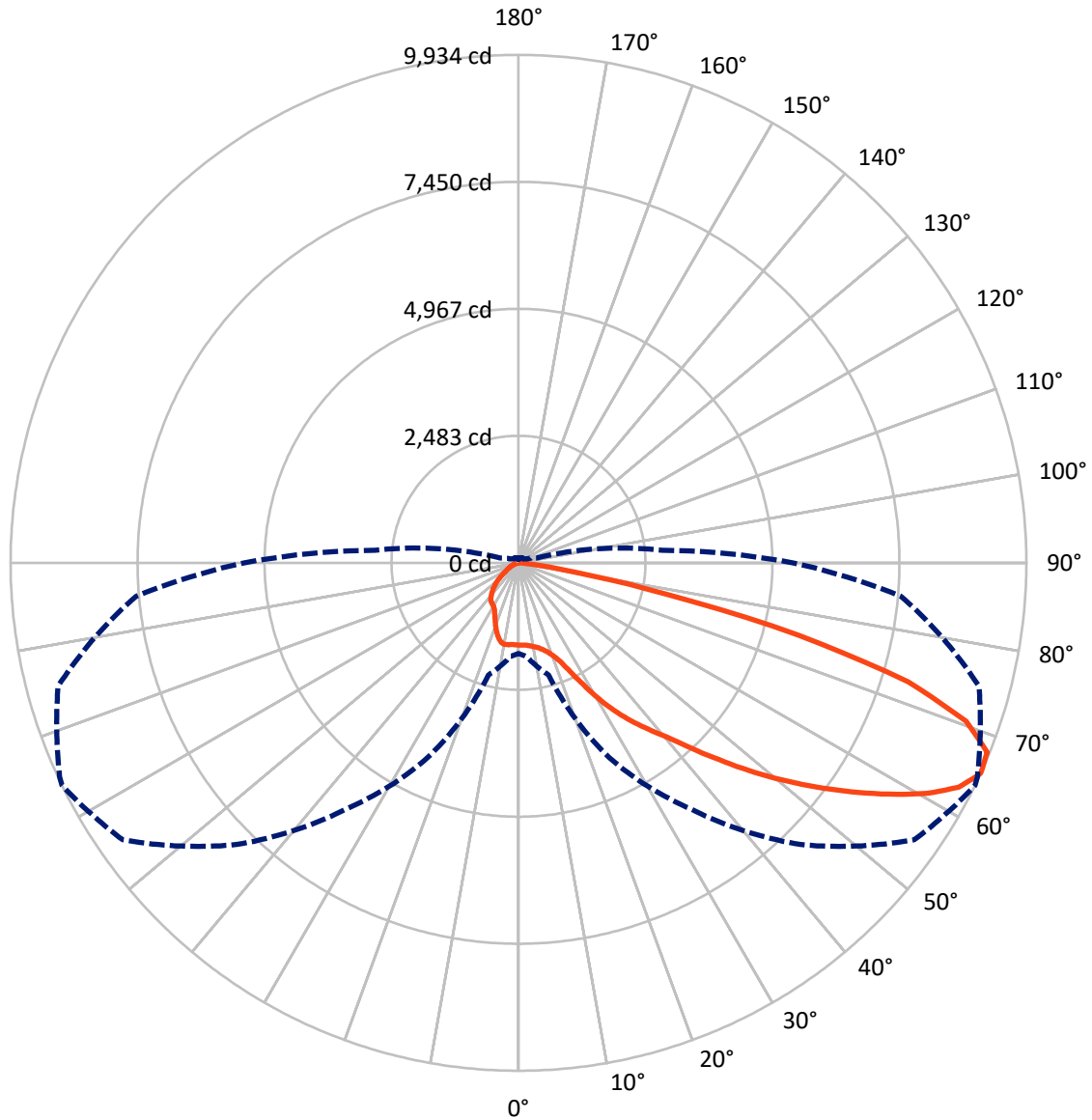
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	1851.0	0.0	1851.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	11990.0	0.0	11990.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	13841.0	0.0	13841.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.5	1.1
10°-20°	402.8	2.9
20°-30°	763.3	5.5
30°-40°	1544.7	11.2
40°-50°	2631.3	19.0
50°-60°	3578.4	25.9
60°-70°	3360.3	24.3
70°-80°	1346.3	9.7
80°-90°	65.2	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°	13841.0	100.0
0°-180°	13841.0	100.0

Coefficient of Utilization



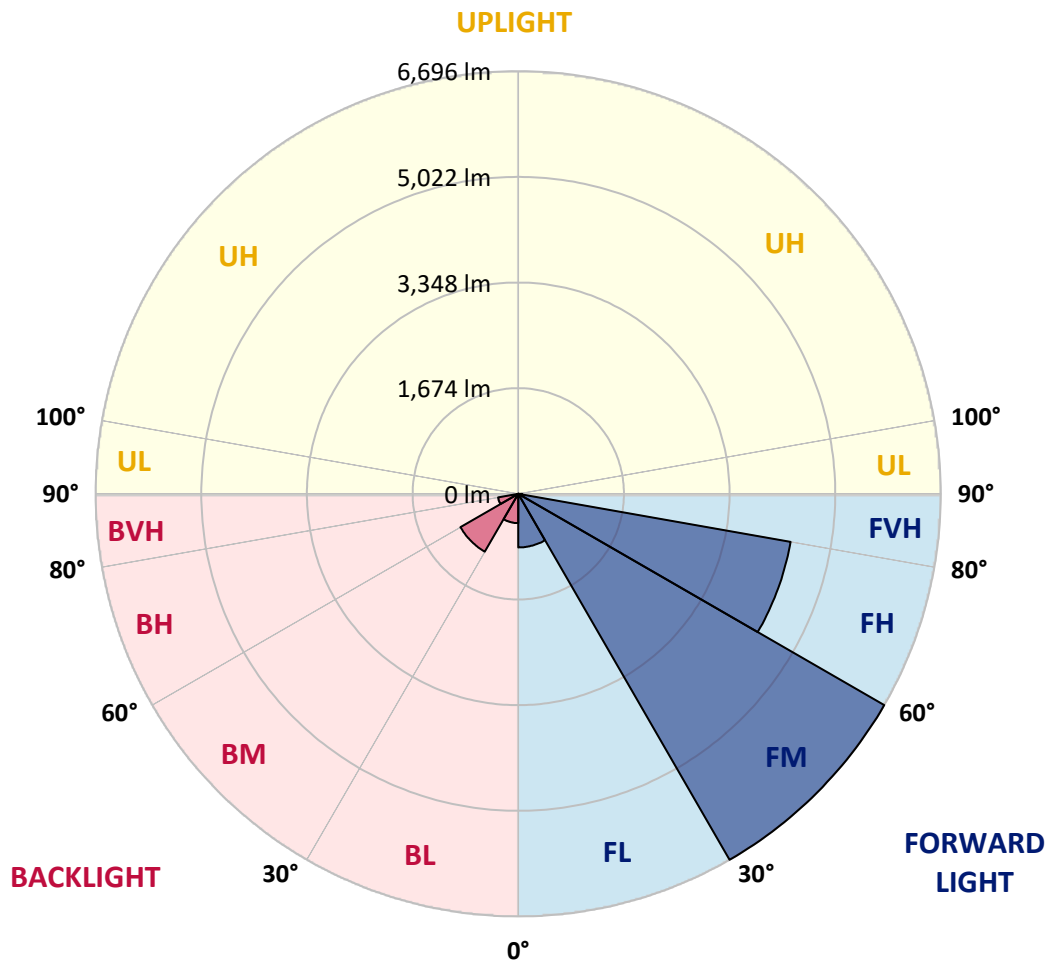
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	850.0	6.1			
FM (30°-60°)	6696.3	48.4			
FH (60°-80°)	4381.7	31.7			G2/5000
FVH (80°-90°)	62.0	0.4			G1/100
BL (0°-30°)	464.7	3.4	B1/500		
BM (30°-60°)	1058.2	7.6	B2/2500		
BH (60°-80°)	324.9	2.3	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1609.9	1609.9	1609.9	1609.9	1609.9	1609.9	1609.9	1609.9	1609.9	1609.9
2.5°	1604.3	1615.4	1612.6	1609.9	1608.9	1610.8	1611.7	1610.8	1610.8	1610.8
5°	1573.7	1582.9	1582.9	1589.4	1598.7	1609.9	1618.2	1620.1	1621.9	1624.7
7.5°	1515.2	1522.6	1528.2	1549.5	1572.7	1602.4	1627.5	1640.5	1642.3	1652.5
10°	1475.3	1484.6	1493.9	1516.1	1549.5	1594.1	1636.8	1668.3	1672.9	1697.1
12.5°	1473.5	1482.7	1494.8	1518.9	1557.9	1605.2	1657.2	1702.6	1711.0	1746.2
15°	1492.9	1504.1	1515.2	1544.9	1586.7	1644.2	1699.9	1756.5	1764.8	1814.9
17.5°	1532.8	1547.7	1556.0	1585.7	1630.3	1694.3	1767.6	1832.5	1840.0	1898.4
20°	1611.7	1629.3	1632.1	1656.2	1699.9	1768.5	1855.7	1936.5	1945.7	2012.5
22.5°	1775.0	1800.1	1777.8	1789.9	1828.8	1897.5	1992.1	2094.2	2107.2	2183.3
25°	2062.7	2097.9	2040.4	2020.0	2036.7	2108.1	2226.9	2355.9	2370.7	2431.9
27.5°	2627.7	2582.3	2495.0	2409.7	2359.6	2400.4	2534.0	2693.6	2712.2	2771.5
30°	3248.5	3208.6	3090.7	2901.4	2782.7	2776.2	2899.6	3077.7	3099.1	3155.7
32.5°	3870.1	3832.1	3704.1	3471.2	3265.2	3163.1	3248.5	3446.1	3457.2	3493.4
35°	4481.6	4442.6	4314.6	4076.1	3822.8	3590.9	3574.1	3796.8	3800.5	3838.6
37.5°	5096.8	5064.3	4927.9	4694.1	4444.5	4124.4	3969.4	4129.0	4133.7	4170.8
40°	5535.7	5549.6	5455.9	5274.9	5060.6	4710.8	4412.9	4482.5	4454.7	4516.9
42.5°	5912.4	5940.2	5858.6	5767.6	5643.3	5335.2	4962.2	4950.2	4905.6	4939.0
45°	6238.1	6261.3	6188.0	6166.6	6163.8	5947.6	5562.6	5490.2	5428.0	5421.5
47.5°	6357.8	6402.3	6433.8	6505.3	6644.5	6553.5	6183.3	6071.0	6001.5	5950.4
50°	6403.2	6450.5	6558.2	6766.0	7095.4	7134.4	6801.3	6675.1	6589.7	6496.9
52.5°	6342.0	6426.4	6571.2	6921.0	7398.8	7600.2	7394.2	7283.8	7186.3	7035.1
55°	5981.0	6065.5	6361.5	6919.1	7550.1	7926.8	7954.6	7905.4	7796.0	7557.5
57.5°	5220.2	5345.5	5814.0	6683.4	7547.3	8207.9	8503.9	8539.2	8416.7	8075.2
60°	4166.1	4335.9	4907.5	6161.0	7314.4	8360.1	8985.5	9161.8	9031.9	8585.6
62.5°	2907.0	3103.7	3644.7	5342.7	6781.8	8250.6	9337.1	9662.8	9564.5	9042.1
65°	1773.2	1836.3	2272.4	4204.2	5876.2	7792.2	9445.7	9933.8	9901.3	9321.4
67.5°	1181.2	1234.1	1359.3	2882.9	4561.4	6876.4	9185.9	9886.4	9895.7	9275.9
70°	711.7	757.1	838.8	1676.7	2956.2	5442.9	8381.4	9283.3	9337.1	8668.1
72.5°	293.2	323.8	398.1	759.9	1531.0	3454.5	6674.2	7970.4	8095.7	7288.4
75°	166.1	181.9	233.8	381.4	664.4	1609.9	4042.7	5658.1	5842.8	5023.5
77.5°	110.4	117.8	151.2	246.8	373.9	549.3	1727.7	2947.8	3300.4	2743.7
80°	74.2	80.7	103.9	165.2	243.1	235.7	550.2	1092.1	1343.6	942.7
82.5°	50.1	51.0	74.2	108.6	154.0	114.1	162.4	339.6	426.8	272.8
85°	28.8	27.8	54.7	63.1	68.7	47.3	49.2	102.1	133.6	115.1
87.5°	3.7	5.6	21.3	16.7	9.3	10.2	10.2	17.6	26.0	27.8
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°
1609.9	0°	1609.9	1609.9	1609.9	1609.9	1609.9	1609.9	1609.9	1609.9	1609.9	1609.9
1611.7	2.5°	1611.7	1610.8	1608.0	1605.2	1598.7	1595.0	1596.9	1595.0	1594.1	1595.0
1623.8	5°	1623.8	1621.0	1613.6	1604.3	1591.3	1575.5	1565.3	1550.5	1536.6	1528.2
1656.2	7.5°	1656.2	1653.5	1643.3	1617.3	1575.5	1509.6	1449.3	1396.4	1356.5	1333.3
1708.2	10°	1708.2	1703.6	1687.8	1630.3	1520.8	1377.0	1257.3	1158.0	1093.0	1062.4
1769.4	12.5°	1769.4	1763.9	1736.0	1618.2	1416.9	1192.3	1027.2	916.7	856.4	829.5
1840.0	15°	1841.8	1834.4	1779.7	1560.7	1265.6	988.2	836.9	754.4	715.4	691.3
1930.0	17.5°	1931.8	1918.8	1812.1	1474.4	1101.4	832.3	720.0	657.9	623.5	600.3
2047.8	20°	2048.7	2027.4	1838.1	1371.4	950.1	733.9	641.2	589.2	563.2	542.8
2214.8	22.5°	2212.0	2181.4	1869.7	1260.0	843.4	666.2	582.7	544.7	523.3	500.1
2447.7	25°	2414.3	2378.1	1908.6	1157.1	770.1	607.8	540.0	508.5	483.4	456.5
2753.0	27.5°	2697.3	2632.4	1955.0	1072.6	707.0	557.6	501.0	465.8	437.0	414.8
3099.1	30°	3012.8	2906.1	1995.8	1021.6	649.5	511.3	450.0	414.8	387.8	372.1
3409.9	32.5°	3311.6	3166.8	2022.8	999.3	597.5	458.4	394.3	356.3	335.9	331.2
3714.3	35°	3593.6	3402.5	2020.0	978.0	551.2	405.5	339.6	300.6	284.9	287.6
4041.8	37.5°	3918.4	3653.9	2000.5	944.6	513.1	357.2	292.3	257.9	244.0	245.0
4439.9	40°	4296.0	3944.4	1988.4	881.5	471.4	312.7	253.3	225.5	215.3	211.6
4859.2	42.5°	4698.7	4225.5	1990.3	810.0	419.4	272.8	226.4	203.2	193.9	191.1
5326.0	45°	5103.3	4493.7	1993.1	735.8	364.7	242.2	206.9	187.4	181.9	178.2
5799.2	47.5°	5483.7	4721.9	1941.1	656.0	310.8	219.0	191.1	178.2	173.5	168.9
6274.2	50°	5838.1	4874.1	1815.8	563.2	268.2	200.4	179.1	169.8	165.2	160.5
6704.8	52.5°	6113.7	4898.2	1608.9	467.6	238.5	186.5	171.7	163.3	157.7	153.1
7052.7	55°	6236.2	4747.0	1314.8	378.6	215.3	174.4	164.2	155.9	149.4	144.7
7326.5	57.5°	6204.7	4428.7	1025.3	304.3	193.0	162.4	155.0	149.4	142.0	134.5
7548.2	60°	6049.7	4002.8	772.9	253.3	172.6	149.4	144.7	140.1	129.9	118.8
7633.6	62.5°	5781.5	3467.4	551.2	209.7	150.3	134.5	132.7	129.0	114.1	93.7
7507.4	65°	5371.4	2817.0	371.1	174.4	129.0	117.8	118.8	112.3	92.8	69.6
7045.3	67.5°	4772.0	2059.9	237.5	142.9	107.6	98.4	99.3	95.6	78.9	59.4
6169.4	70°	4008.4	1364.0	155.0	108.6	86.3	76.1	81.7	82.6	66.8	48.2
4734.9	72.5°	2938.6	805.4	108.6	80.7	63.1	52.9	66.8	68.7	53.8	36.2
2848.6	75°	1674.8	382.3	81.7	58.5	39.0	37.1	52.0	52.0	37.1	24.1
1233.1	77.5°	703.3	159.6	57.5	38.0	22.3	21.3	35.3	32.5	18.6	11.1
300.6	80°	203.2	71.4	30.6	18.6	9.3	8.4	13.9	10.2	4.6	1.9
114.1	82.5°	79.8	31.5	12.1	7.4	3.7	3.7	1.9	0.0	0.0	0.0
65.0	85°	47.3	13.0	5.6	2.8	0.9	0.0	0.0	0.0	0.0	0.0
13.9	87.5°	12.1	2.8	1.9	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°
1609.9
1598.7
1530.1
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1059.6
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496.4
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410.1
369.3
334.0
287.6
248.7
210.6
190.2
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160.5
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