

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: P852286

Luminaire Tested: **GLAN-SB2D-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852286
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-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 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: 12049 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

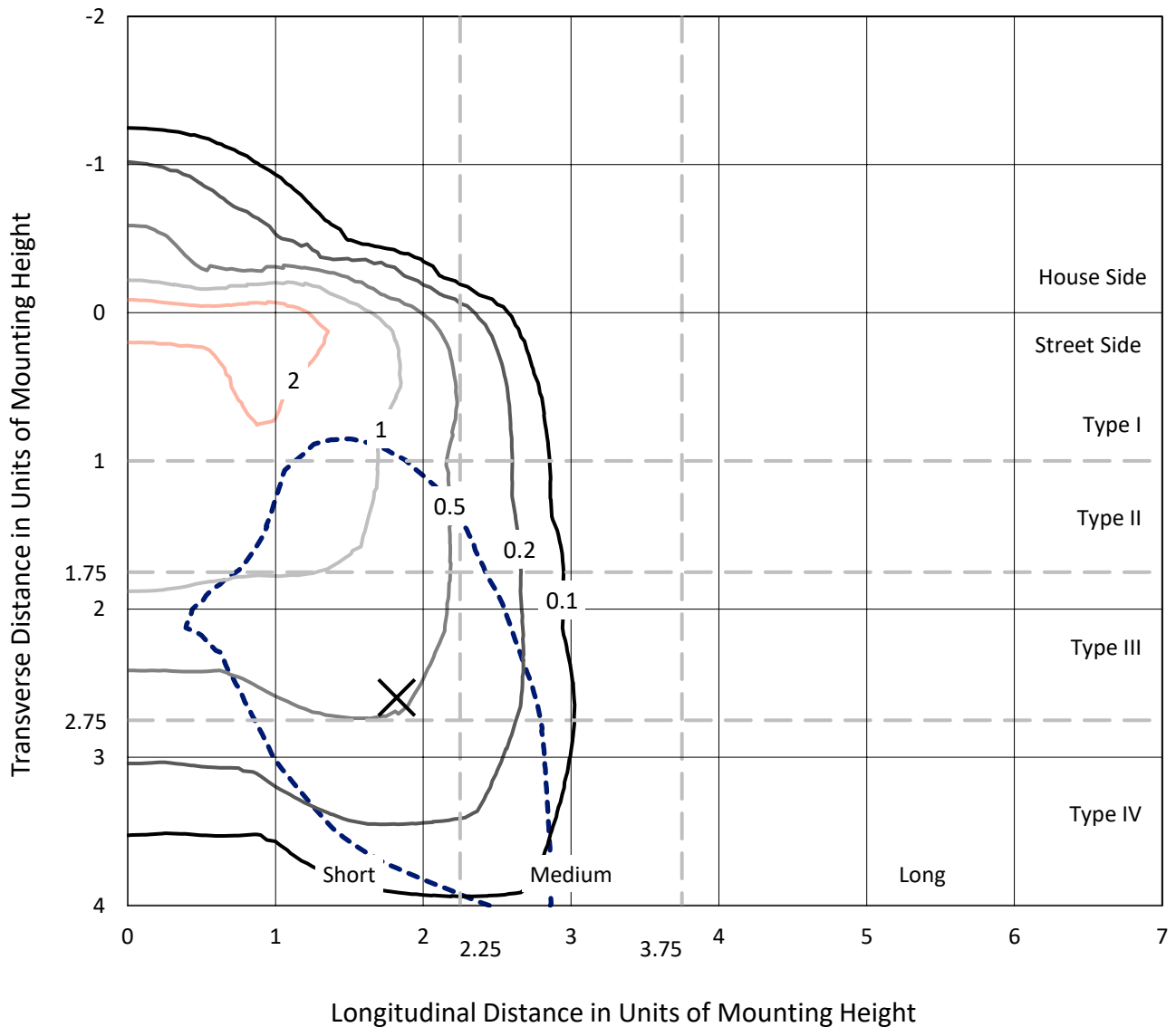
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

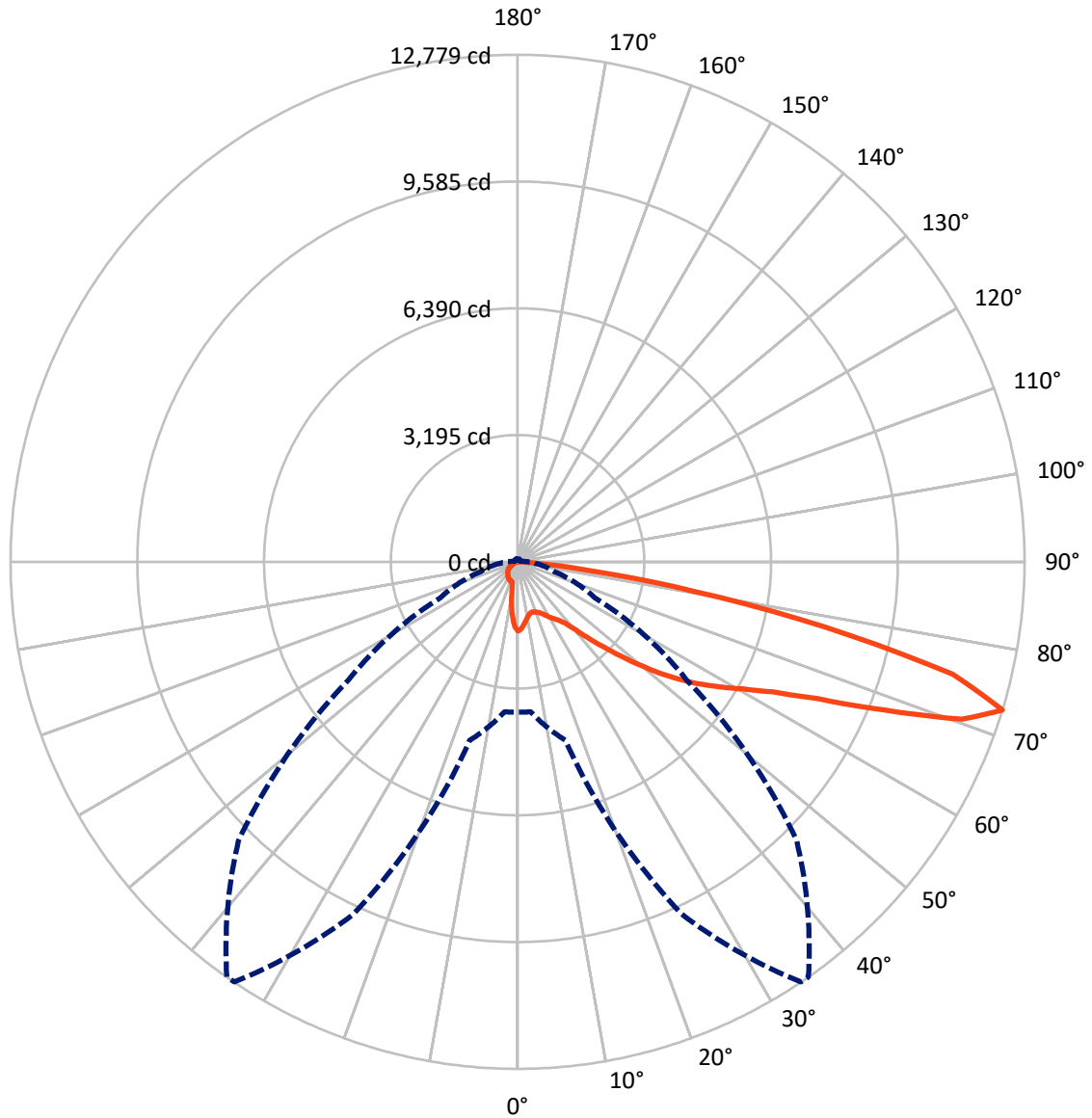
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	1356.1	0.0	1356.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	10693.0	0.0	10693.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	12049.0	0.0	12049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.5	1.2
10°-20°	335.7	2.8
20°-30°	545.3	4.5
30°-40°	909.9	7.6
40°-50°	1721.5	14.3
50°-60°	2735.5	22.7
60°-70°	3384.0	28.1
70°-80°	2103.5	17.5
80°-90°	170.0	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°	12049.0	100.0
0°-180°	12049.0	100.0

Coefficient of Utilization



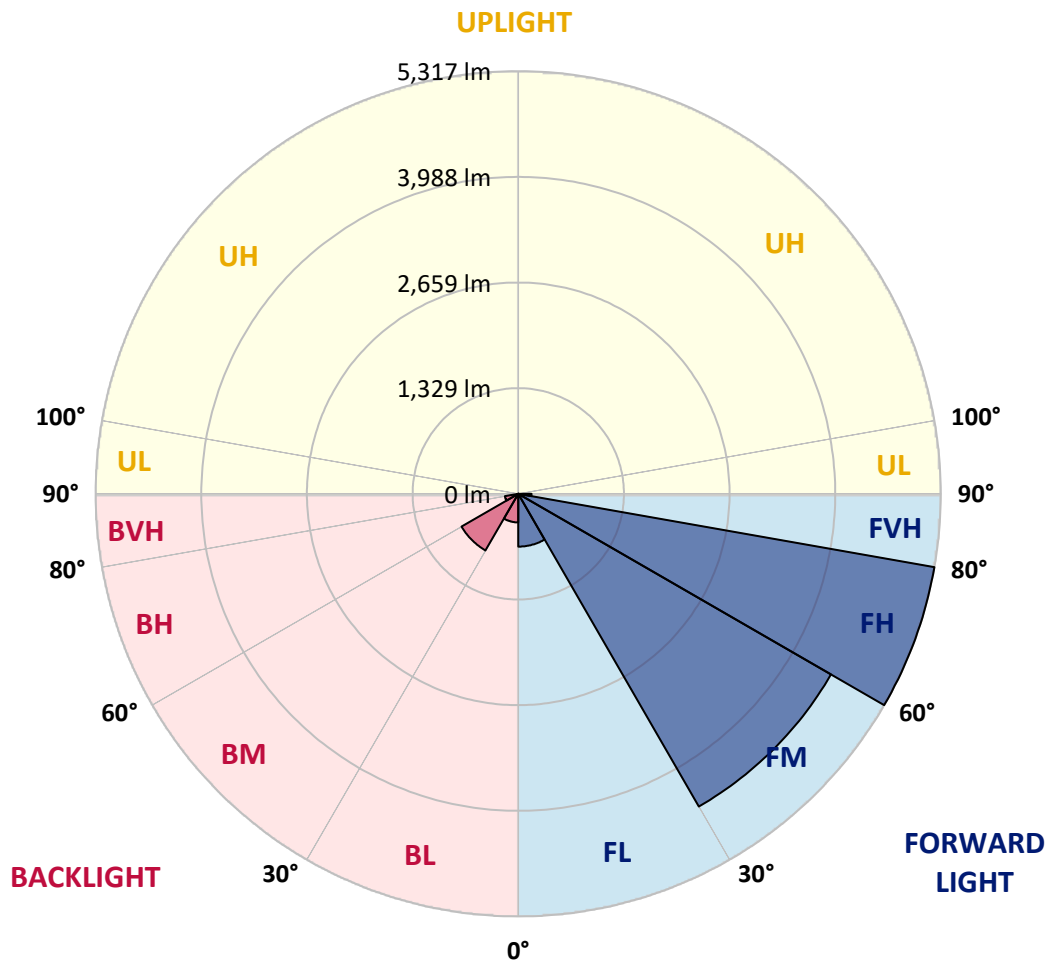
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	664.2	5.5			
FM (30°-60°)	4543.7	37.7			
FH (60°-80°)	5317.4	44.1			G3/7500
FVH (80°-90°)	167.7	1.4			G2/225
BL (0°-30°)	360.3	3.0	B1/500		
BM (30°-60°)	823.3	6.8	B1/1000		
BH (60°-80°)	170.2	1.4	B1/500		G1/500
BVH (80°-90°)	2.3	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°	1746.3	1746.3	1746.3	1746.3	1746.3	1746.3	1746.3	1746.3	1746.3	1746.3
2.5°	1668.6	1682.7	1685.4	1689.8	1689.8	1695.1	1703.9	1716.3	1736.6	1747.2
5°	1537.9	1548.5	1561.8	1572.4	1592.7	1595.3	1629.8	1663.3	1710.1	1745.4
7.5°	1406.4	1418.8	1436.4	1462.0	1488.5	1496.5	1548.5	1605.0	1679.2	1745.4
10°	1313.7	1314.6	1330.5	1356.1	1398.5	1408.2	1471.7	1552.1	1644.8	1734.8
12.5°	1261.6	1267.8	1274.9	1294.3	1334.9	1341.1	1409.1	1503.5	1610.3	1728.6
15°	1261.6	1266.0	1270.4	1280.2	1312.8	1318.1	1378.1	1472.6	1592.7	1731.3
17.5°	1274.9	1281.9	1278.4	1289.9	1324.3	1327.8	1380.8	1463.8	1591.8	1748.1
20°	1306.6	1311.9	1304.9	1311.9	1346.4	1353.4	1408.2	1480.6	1606.8	1777.2
22.5°	1357.0	1359.6	1342.8	1348.1	1383.4	1392.3	1455.8	1528.2	1643.0	1824.0
25°	1420.5	1425.8	1400.2	1406.4	1440.0	1450.5	1523.8	1599.7	1700.4	1888.4
27.5°	1493.8	1496.5	1474.4	1473.5	1516.8	1531.8	1605.9	1688.0	1777.2	1969.7
30°	1577.7	1585.6	1564.4	1560.9	1615.6	1628.0	1701.3	1796.6	1890.2	2091.5
32.5°	1643.9	1650.1	1637.7	1646.5	1702.2	1711.9	1816.9	1950.2	2067.7	2264.5
35°	1739.2	1742.8	1714.5	1730.4	1794.0	1818.7	1975.0	2165.7	2291.0	2481.7
37.5°	2084.4	2084.4	1964.4	1885.8	1946.7	1968.8	2191.3	2436.7	2566.5	2773.1
40°	2562.1	2554.1	2378.4	2217.8	2209.8	2253.1	2499.4	2778.4	2922.3	3122.7
42.5°	3071.5	3059.1	2819.9	2661.0	2634.5	2649.5	2855.2	3199.5	3346.1	3549.1
45°	3523.5	3520.0	3301.0	3087.4	3039.7	3087.4	3299.3	3692.1	3797.2	4010.8
47.5°	3902.3	3902.3	3742.5	3603.0	3578.2	3606.5	3900.5	4238.6	4228.9	4502.6
50°	4338.4	4334.9	4183.0	4123.0	4148.6	4188.3	4592.7	4814.3	4675.6	4985.5
52.5°	4643.9	4665.1	4613.0	4603.3	4733.9	4802.8	5295.4	5377.5	5075.6	5443.7
55°	4885.8	4910.5	4970.5	5038.5	5290.1	5380.2	5976.1	5911.7	5410.2	5841.0
57.5°	5228.3	5193.0	5285.7	5419.9	5826.9	5935.5	6635.6	6415.8	5679.5	6163.3
60°	5644.1	5649.4	5665.3	5834.8	6362.8	6502.3	7285.4	6892.5	5852.5	6361.0
62.5°	6143.8	6151.8	6184.5	6444.9	7082.3	7213.9	7977.6	7282.7	5932.0	6305.4
65°	6109.4	6143.0	6507.6	7398.4	8176.2	8306.0	8785.4	7556.4	5811.9	5796.9
67.5°	5565.6	5620.3	6230.4	8537.3	9825.4	9970.2	9761.8	7610.3	5293.6	4507.9
70°	4852.2	4871.6	5605.3	9561.4	11735.0	11881.6	10635.9	7017.9	4017.0	2514.4
72.5°	3789.3	3793.7	4654.5	9798.9	12771.5	12779.4	9949.9	5209.8	2160.4	965.9
75°	2706.9	2680.4	3117.4	7946.7	11236.2	11326.3	7459.3	2443.8	825.5	456.4
77.5°	1451.4	1480.6	1764.0	4712.7	7762.1	7915.8	4070.0	704.5	420.2	310.8
80°	448.5	473.2	723.1	2157.7	4396.7	4489.4	1508.8	313.4	293.1	221.6
82.5°	141.3	146.6	337.3	906.7	1824.9	1867.3	437.0	177.5	200.4	146.6
85°	40.6	41.5	150.1	338.1	451.1	460.0	122.7	68.9	114.8	90.9
87.5°	4.4	14.1	56.5	56.5	39.7	38.8	13.2	15.0	32.7	11.5
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°
1746.3	0°	1746.3	1746.3	1746.3	1746.3	1746.3	1746.3	1746.3	1746.3	1746.3	1746.3
1754.2	2.5°	1749.8	1750.7	1739.2	1719.8	1698.6	1681.0	1658.9	1641.2	1628.9	1625.4
1770.1	5°	1762.2	1756.0	1723.3	1664.2	1593.6	1532.7	1464.7	1410.8	1375.5	1360.5
1786.9	7.5°	1780.7	1763.1	1691.6	1575.0	1440.0	1319.9	1198.0	1103.6	1043.5	1013.5
1802.8	10°	1796.6	1761.3	1638.6	1446.1	1239.5	1057.7	893.5	779.6	716.0	686.0
1821.3	12.5°	1811.6	1760.4	1569.7	1293.4	1013.5	791.0	638.3	581.8	564.1	558.0
1851.4	15°	1839.9	1763.1	1483.2	1118.6	788.4	597.7	542.1	541.2	544.7	543.0
1897.3	17.5°	1878.7	1765.7	1385.2	933.2	608.3	527.1	524.4	532.4	537.7	535.0
1954.7	20°	1929.1	1776.3	1281.0	749.6	522.7	509.4	515.6	522.7	527.1	522.7
2031.5	22.5°	1999.7	1794.9	1167.1	602.1	495.3	498.8	504.1	512.1	516.5	510.3
2129.5	25°	2086.2	1824.0	1055.0	523.5	482.0	486.5	494.4	503.2	508.5	502.3
2253.1	27.5°	2198.3	1870.8	951.7	505.9	468.8	471.4	482.9	496.2	503.2	495.3
2428.8	30°	2360.8	1947.6	862.6	513.8	460.9	454.7	470.6	489.1	497.1	490.0
2668.0	32.5°	2576.2	2056.2	807.8	526.2	457.3	435.3	450.3	474.1	487.3	482.9
2980.5	35°	2858.7	2221.3	786.6	540.3	454.7	414.9	425.5	451.1	474.1	478.5
3374.3	37.5°	3201.3	2450.8	792.8	546.5	446.7	398.2	403.5	425.5	455.6	469.7
3817.5	40°	3590.6	2718.3	828.1	540.3	437.9	384.0	384.9	401.7	428.2	449.4
4294.2	42.5°	3992.3	3030.9	893.5	517.4	430.0	371.7	369.0	380.5	398.2	413.2
4770.1	45°	4374.6	3352.2	957.9	485.6	420.2	359.3	353.1	357.6	361.1	367.3
5233.6	47.5°	4708.3	3578.2	939.4	456.4	407.0	345.2	334.6	332.8	322.2	321.4
5647.7	50°	4938.7	3627.7	834.3	427.3	387.6	329.3	312.5	301.9	283.4	274.6
5957.6	52.5°	5012.0	3432.6	681.6	398.2	355.8	308.1	284.3	267.5	244.6	236.6
6135.9	55°	4914.9	3050.3	544.7	362.9	311.7	279.9	253.4	231.3	212.8	203.1
6155.3	57.5°	4677.4	2563.8	430.8	321.4	264.9	248.1	221.6	199.5	183.6	173.9
5939.9	60°	4283.7	2035.9	340.8	271.9	226.0	213.7	186.3	172.2	158.0	146.6
5383.7	62.5°	3686.0	1453.2	267.5	215.4	188.9	174.8	158.9	148.3	131.5	115.7
4383.4	65°	2876.4	889.0	206.6	158.0	151.9	144.8	135.1	125.4	105.1	89.2
2859.6	67.5°	1814.3	421.1	147.4	119.2	120.1	116.5	112.1	104.2	89.2	75.0
1281.0	70°	799.0	203.9	97.1	90.9	89.2	89.2	92.7	90.1	75.9	62.7
445.0	72.5°	271.9	109.5	72.4	68.9	64.4	63.6	77.7	75.0	60.9	48.6
221.6	75°	142.1	73.3	53.0	49.4	38.8	46.8	61.8	58.3	43.3	31.8
146.6	77.5°	92.7	52.1	36.2	31.8	22.1	30.9	45.9	40.6	25.6	15.9
96.2	80°	58.3	34.4	21.2	15.0	10.6	16.8	24.7	17.7	9.7	3.5
56.5	82.5°	30.9	17.7	7.9	5.3	4.4	5.3	6.2	4.4	1.8	0.0
29.1	85°	12.4	6.2	2.6	1.8	0.9	0.0	1.8	0.9	0.0	0.0
5.3	87.5°	4.4	0.9	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°
1746.3
1631.5
1365.8
1017.9
686.9
556.2
542.1
534.1
521.8
509.4
501.5
495.3
489.1
482.9
478.5
473.2
456.4
419.4
370.8
320.5
275.5
235.7
203.1
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113.0
86.5
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