

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: P852516

Luminaire Tested: **GLAN-SB4B-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852516
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-SB4B-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 450mA 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: 11528 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

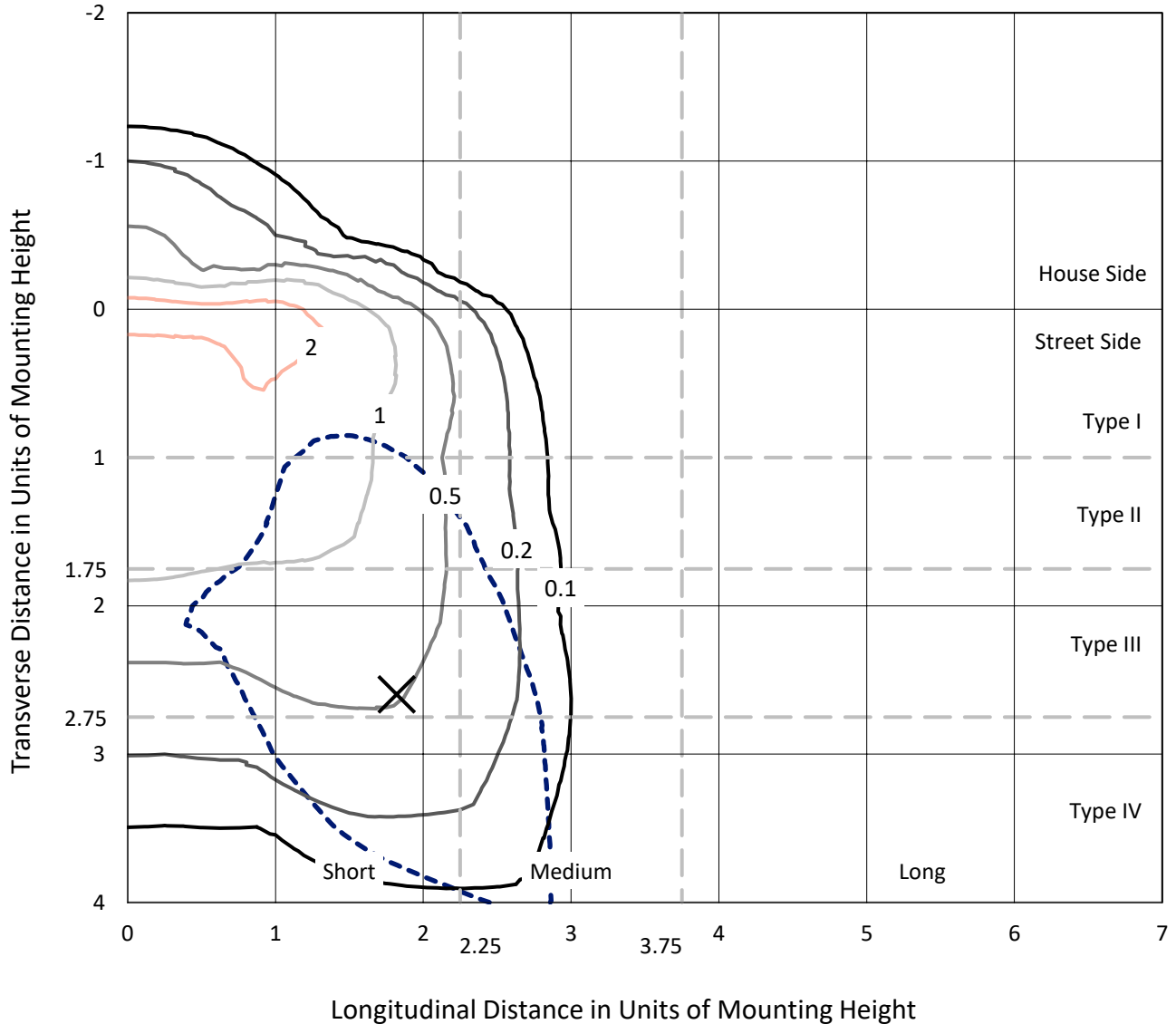
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

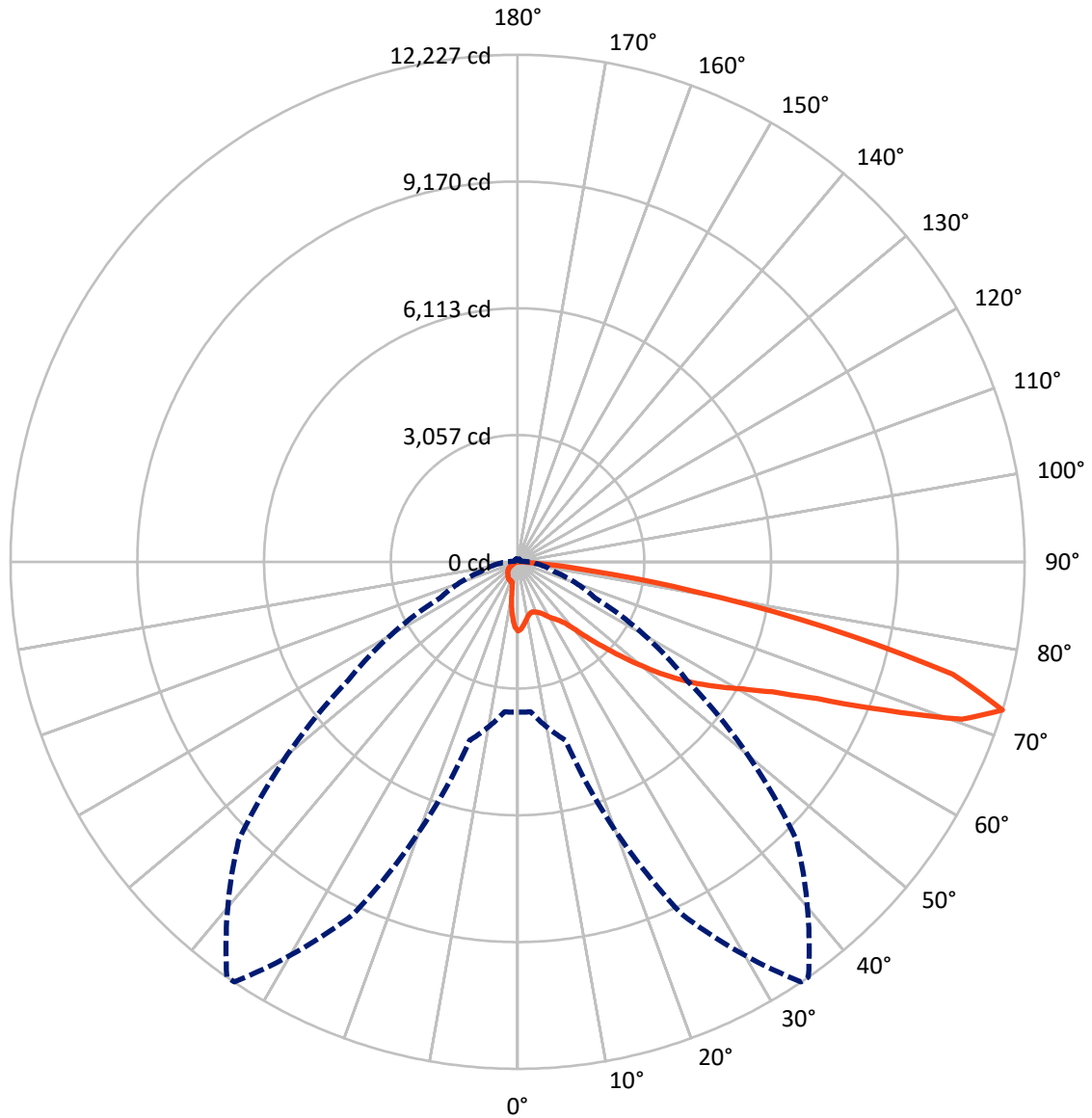
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	1297.4	0.0	1297.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	10230.6	0.0	10230.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	11528.0	0.0	11528.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	1.2
10°-20°	321.2	2.8
20°-30°	521.8	4.5
30°-40°	870.5	7.6
40°-50°	1647.1	14.3
50°-60°	2617.2	22.7
60°-70°	3237.7	28.1
70°-80°	2012.6	17.5
80°-90°	162.6	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°	11528.0	100.0
0°-180°	11528.0	100.0

Coefficient of Utilization



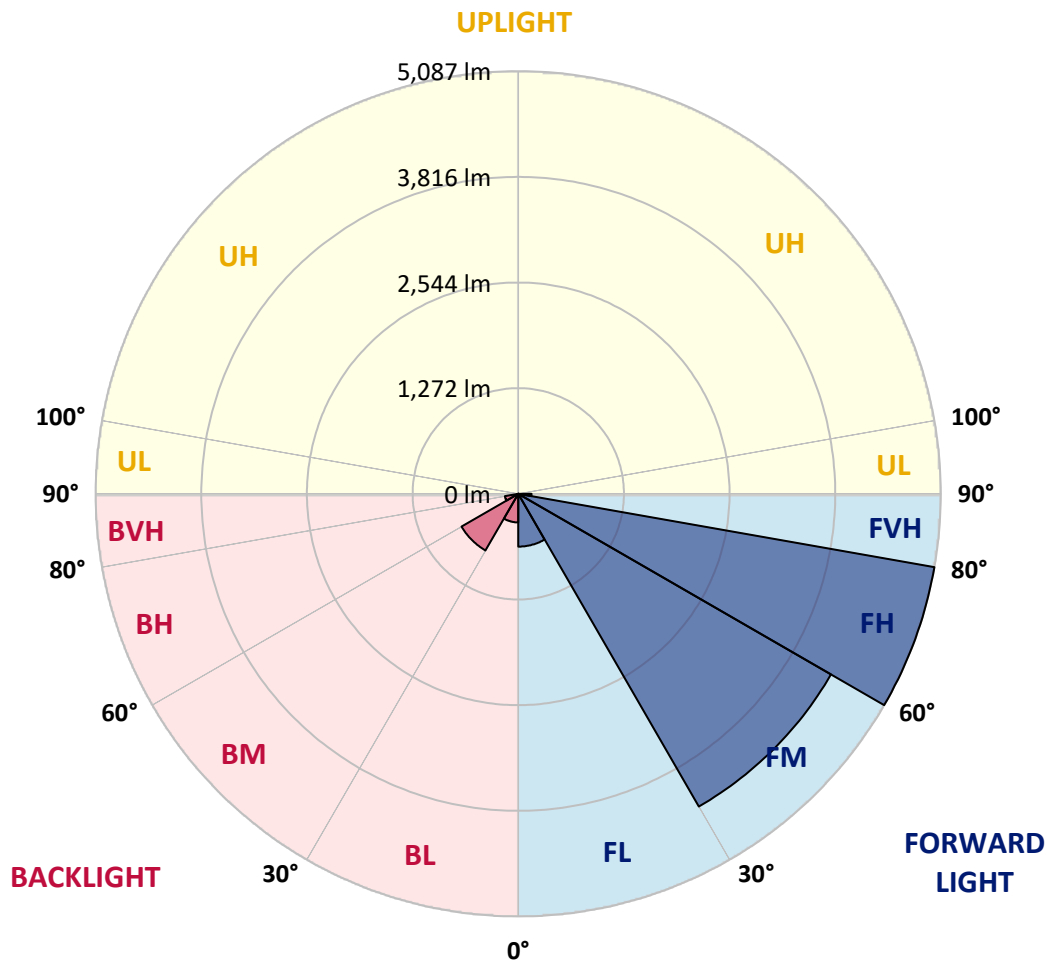
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	635.5	5.5			
FM	(30°-60°)	4347.2	37.7			
FH	(60°-80°)	5087.4	44.1			G3/7500
FVH	(80°-90°)	160.4	1.4			G2/225
BL	(0°-30°)	344.7	3.0	B1/500		
BM	(30°-60°)	787.7	6.8	B1/1000		
BH	(60°-80°)	162.8	1.4	B1/500		G1/500
BVH	(80°-90°)	2.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1670.8	1670.8	1670.8	1670.8	1670.8	1670.8	1670.8	1670.8	1670.8	1670.8
2.5°	1596.5	1610.0	1612.5	1616.7	1616.7	1621.8	1630.2	1642.1	1661.5	1671.6
5°	1471.4	1481.6	1494.3	1504.4	1523.8	1526.4	1559.3	1591.4	1636.2	1669.9
7.5°	1345.6	1357.4	1374.3	1398.8	1424.1	1431.7	1481.6	1535.6	1606.6	1669.9
10°	1256.9	1257.7	1272.9	1297.4	1338.0	1347.3	1408.1	1485.0	1573.7	1659.8
12.5°	1207.1	1213.0	1219.7	1238.3	1277.2	1283.1	1348.1	1438.5	1540.7	1653.9
15°	1207.1	1211.3	1215.5	1224.8	1256.1	1261.1	1318.6	1408.9	1523.8	1656.4
17.5°	1219.7	1226.5	1223.1	1234.1	1267.0	1270.4	1321.1	1400.5	1523.0	1672.5
20°	1250.1	1255.2	1248.4	1255.2	1288.1	1294.9	1347.3	1416.5	1537.3	1700.4
22.5°	1298.3	1300.8	1284.8	1289.8	1323.6	1332.1	1392.9	1462.2	1572.0	1745.1
25°	1359.1	1364.2	1339.7	1345.6	1377.7	1387.8	1457.9	1530.6	1626.9	1806.8
27.5°	1429.2	1431.7	1410.6	1409.8	1451.2	1465.5	1536.5	1615.0	1700.4	1884.5
30°	1509.5	1517.1	1496.8	1493.4	1545.8	1557.6	1627.7	1718.9	1808.5	2001.1
32.5°	1572.8	1578.7	1566.9	1575.3	1628.6	1637.9	1738.4	1865.9	1978.3	2166.6
35°	1664.0	1667.4	1640.4	1655.6	1716.4	1740.1	1889.6	2072.0	2192.0	2374.4
37.5°	1994.3	1994.3	1879.4	1804.3	1862.5	1883.7	2096.5	2331.3	2455.5	2653.2
40°	2451.3	2443.7	2275.6	2121.9	2114.3	2155.6	2391.3	2658.2	2795.9	2987.7
42.5°	2938.7	2926.8	2697.9	2545.9	2520.6	2534.9	2731.7	3061.2	3201.4	3395.6
45°	3371.2	3367.8	3158.3	2953.9	2908.3	2953.9	3156.6	3532.5	3633.0	3837.4
47.5°	3733.5	3733.5	3580.6	3447.2	3423.5	3450.6	3731.8	4055.3	4046.1	4307.9
50°	4150.8	4147.4	4002.1	3944.7	3969.2	4007.2	4394.1	4606.1	4473.5	4770.0
52.5°	4443.1	4463.3	4413.5	4404.2	4529.2	4595.1	5066.4	5145.0	4856.1	5208.3
55°	4674.5	4698.2	4755.6	4820.6	5061.4	5147.5	5717.7	5656.0	5176.3	5588.5
57.5°	5002.2	4968.5	5057.1	5185.5	5574.9	5678.8	6348.7	6138.4	5433.9	5896.8
60°	5400.1	5405.2	5420.4	5582.5	6087.7	6221.1	6970.4	6594.5	5599.4	6086.0
62.5°	5878.2	5885.8	5917.0	6166.2	6776.1	6901.9	7632.6	6967.8	5675.5	6032.8
65°	5845.2	5877.3	6226.2	7078.5	7822.7	7946.8	8405.5	7229.7	5560.6	5546.2
67.5°	5324.9	5377.3	5961.0	8168.1	9400.5	9539.1	9339.7	7281.2	5064.8	4313.0
70°	4642.4	4661.0	5362.9	9148.0	11227.6	11367.8	10176.0	6714.4	3843.3	2405.7
72.5°	3625.4	3629.6	4453.2	9375.2	12219.3	12226.9	9519.6	4984.5	2067.0	924.1
75°	2589.8	2564.5	2982.6	7603.0	10750.3	10836.5	7136.8	2338.1	789.8	436.7
77.5°	1388.7	1416.5	1687.7	4508.9	7426.5	7573.5	3894.0	674.1	402.1	297.3
80°	429.1	452.8	691.8	2064.4	4206.5	4295.2	1443.6	299.9	280.4	212.0
82.5°	135.2	140.2	322.7	867.5	1746.0	1786.5	418.1	169.8	191.7	140.2
85°	38.9	39.7	143.6	323.5	431.6	440.1	117.4	65.9	109.8	87.0
87.5°	4.2	13.5	54.1	54.1	38.0	37.2	12.7	14.4	31.3	11.0
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°
1670.8	0°	1670.8	1670.8	1670.8	1670.8	1670.8	1670.8	1670.8	1670.8	1670.8	1670.8
1678.4	2.5°	1674.2	1675.0	1664.0	1645.5	1625.2	1608.3	1587.2	1570.3	1558.5	1555.1
1693.6	5°	1686.0	1680.1	1648.8	1592.2	1524.7	1466.4	1401.3	1349.8	1316.0	1301.7
1709.6	7.5°	1703.7	1686.8	1618.4	1506.9	1377.7	1262.8	1146.2	1055.9	998.4	969.7
1724.9	10°	1718.9	1685.2	1567.7	1383.6	1185.9	1011.9	854.8	745.9	685.0	656.3
1742.6	12.5°	1733.3	1684.3	1501.9	1237.5	969.7	756.8	610.7	556.6	539.8	533.8
1771.3	15°	1760.3	1686.8	1419.1	1070.2	754.3	571.9	518.6	517.8	521.2	519.5
1815.2	17.5°	1797.5	1689.4	1325.3	892.8	582.0	504.3	501.7	509.3	514.4	511.9
1870.1	20°	1845.6	1699.5	1225.6	717.1	500.1	487.4	493.3	500.1	504.3	500.1
1943.6	22.5°	1913.2	1717.3	1116.7	576.1	473.9	477.2	482.3	489.9	494.1	488.2
2037.4	25°	1996.0	1745.1	1009.4	500.9	461.2	465.4	473.0	481.5	486.5	480.6
2155.6	27.5°	2103.3	1789.9	910.6	484.0	448.5	451.1	462.0	474.7	481.5	473.9
2323.7	30°	2258.7	1863.4	825.3	491.6	440.9	435.0	450.2	468.0	475.6	468.8
2552.6	32.5°	2464.8	1967.3	772.9	503.4	437.5	416.4	430.8	453.6	466.3	462.0
2851.7	35°	2735.1	2125.2	752.6	516.9	435.0	397.0	407.1	431.6	453.6	457.8
3228.4	37.5°	3062.8	2344.9	758.5	522.9	427.4	381.0	386.0	407.1	435.9	449.4
3652.4	40°	3435.3	2600.8	792.3	516.9	419.0	367.4	368.3	384.3	409.7	429.9
4108.6	42.5°	3819.7	2899.8	854.8	495.0	411.4	355.6	353.1	364.1	381.0	395.3
4563.9	45°	4185.4	3207.3	916.5	464.6	402.1	343.8	337.9	342.1	345.5	351.4
5007.3	47.5°	4504.7	3423.5	898.7	436.7	389.4	330.3	320.1	318.4	308.3	307.5
5403.5	50°	4725.2	3470.8	798.2	408.8	370.8	315.1	299.0	288.9	271.1	262.7
5700.0	52.5°	4795.3	3284.1	652.1	381.0	340.4	294.8	272.0	255.9	234.0	226.4
5870.6	55°	4702.4	2918.4	521.2	347.2	298.2	267.8	242.4	221.3	203.6	194.3
5889.2	57.5°	4475.2	2453.0	412.2	307.5	253.4	237.4	212.0	190.9	175.7	166.4
5683.1	60°	4098.4	1947.9	326.0	260.2	216.2	204.4	178.2	164.7	151.2	140.2
5150.9	62.5°	3526.6	1390.4	255.9	206.1	180.8	167.2	152.0	141.9	125.9	110.7
4193.9	65°	2752.0	850.6	197.7	151.2	145.3	138.5	129.2	119.9	100.5	85.3
2735.9	67.5°	1735.8	402.9	141.1	114.0	114.9	111.5	107.3	99.7	85.3	71.8
1225.6	70°	764.4	195.1	92.9	87.0	85.3	85.3	88.7	86.2	72.6	60.0
425.7	72.5°	260.2	104.7	69.3	65.9	61.7	60.8	74.3	71.8	58.3	46.5
212.0	75°	136.0	70.1	50.7	47.3	37.2	44.8	59.1	55.7	41.4	30.4
140.2	77.5°	88.7	49.8	34.6	30.4	21.1	29.6	43.9	38.9	24.5	15.2
92.1	80°	55.7	32.9	20.3	14.4	10.1	16.0	23.7	16.9	9.3	3.4
54.1	82.5°	29.6	16.9	7.6	5.1	4.2	5.1	5.9	4.2	1.7	0.0
27.9	85°	11.8	5.9	2.5	1.7	0.8	0.0	1.7	0.8	0.0	0.0
5.1	87.5°	4.2	0.8	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°
1670.8
1561.0
1306.7
973.9
657.2
532.2
518.6
511.0
499.2
487.4
479.8
473.9
468.0
462.0
457.8
452.8
436.7
401.2
354.8
306.6
263.5
225.5
194.3
164.7
137.7
108.1
82.8
70.1
57.4
43.9
27.9
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