

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: P847295

Luminaire Tested: **GLAN-SB3B-827-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847295  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-827-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9837 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

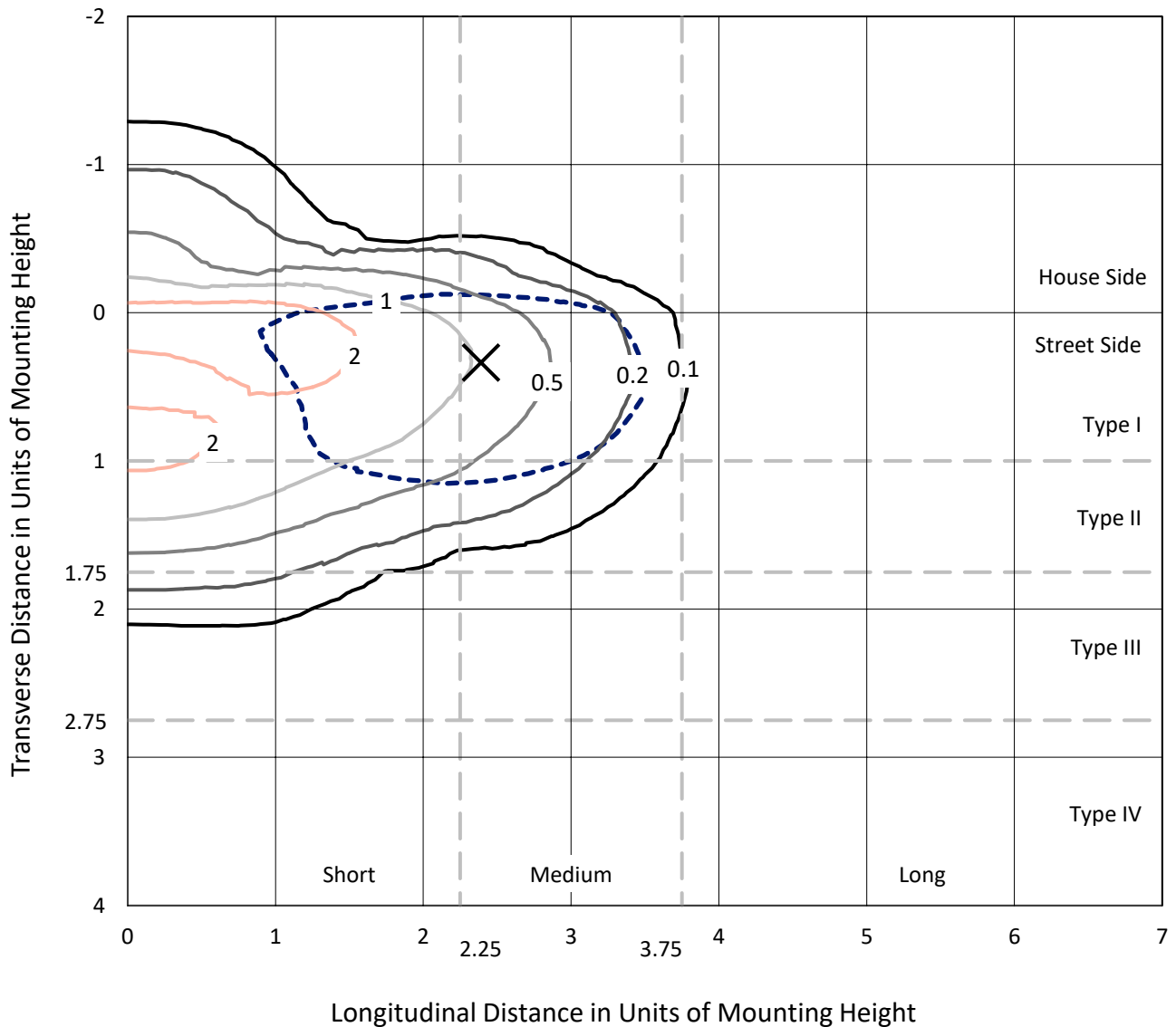
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

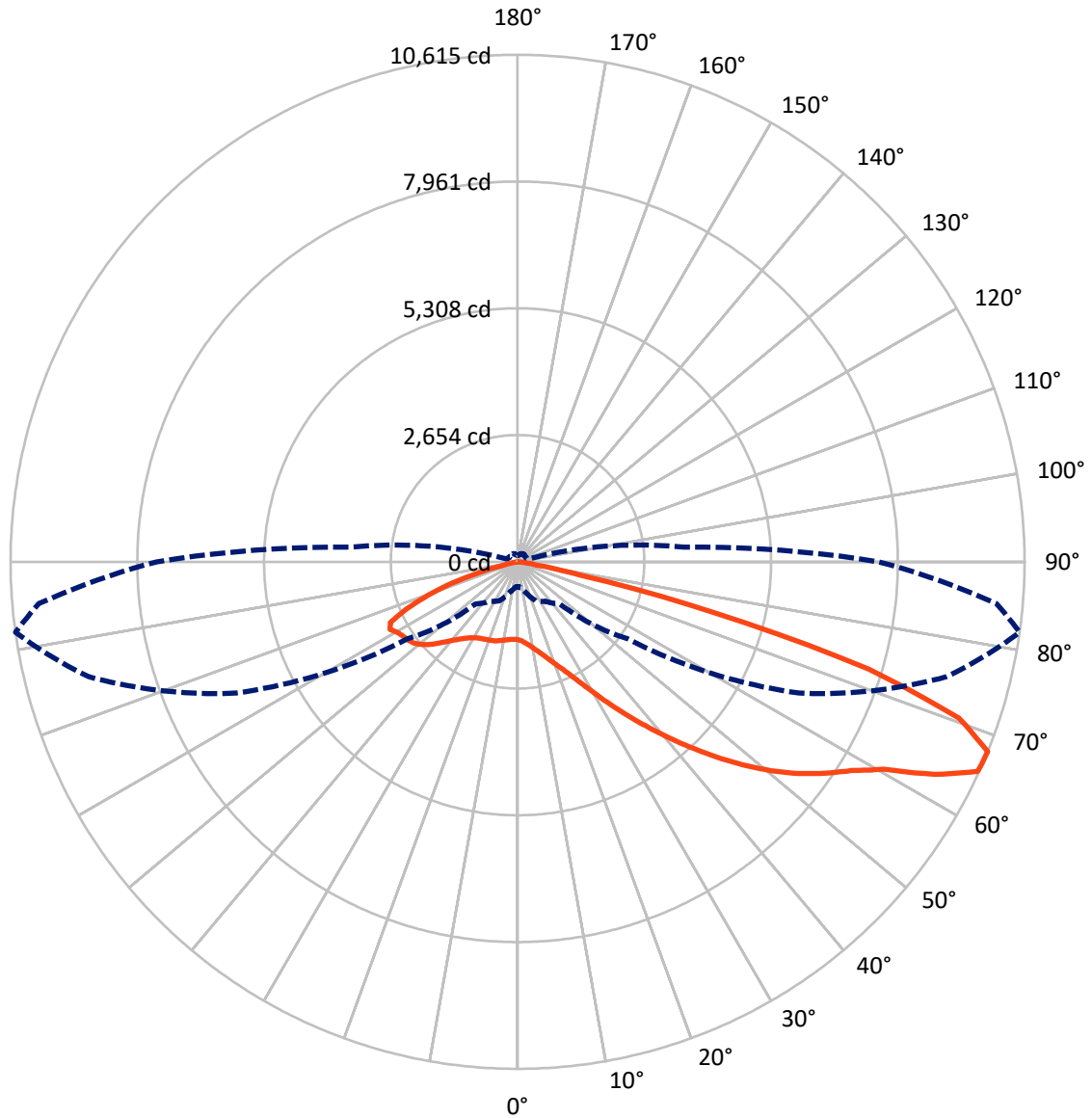
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1781.9	0.0	1781.9
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	8055.1	0.0	8055.1
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	9837.0	0.0	9837.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.2	1.5
10°-20°	377.3	3.8
20°-30°	604.3	6.1
30°-40°	1068.6	10.9
40°-50°	1872.3	19.0
50°-60°	2497.1	25.4
60°-70°	2324.7	23.6
70°-80°	892.2	9.1
80°-90°	55.4	0.6
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°	9837.0	100.0
0°-180°	9837.0	100.0

**Coefficient of Utilization**

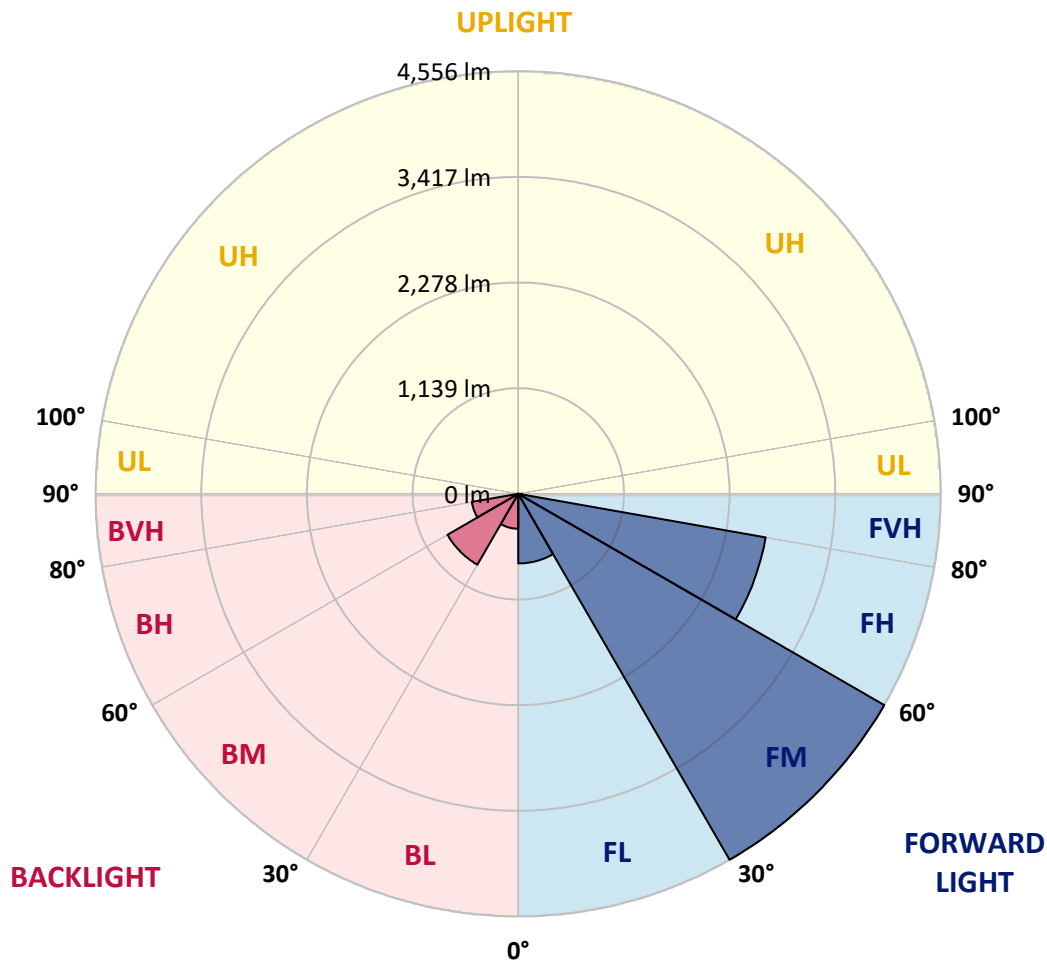


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	750.5	7.6			
FM (30°-60°)	4556.1	46.3			
FH (60°-80°)	2708.3	27.5			G2/5000
FVH (80°-90°)	40.3	0.4			G1/100
BL (0°-30°)	376.3	3.8	B1/500		
BM (30°-60°)	881.8	9.0	B1/1000		
BH (60°-80°)	508.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	15.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1629.7	1629.7	1629.7	1629.7	1629.7	1629.7	1629.7	1629.7	1629.7	1629.7
2.5°	1722.4	1732.4	1726.7	1723.9	1718.9	1711.8	1706.1	1688.4	1670.0	1658.0
5°	1757.1	1767.1	1766.3	1769.2	1772.7	1774.8	1773.4	1753.6	1727.4	1706.9
7.5°	1727.4	1738.7	1747.9	1762.1	1786.9	1813.1	1825.8	1821.6	1794.7	1766.3
10°	1643.1	1655.2	1677.1	1710.4	1762.8	1819.5	1866.9	1888.9	1871.9	1840.7
12.5°	1488.7	1500.8	1544.0	1616.2	1704.0	1802.5	1893.1	1951.9	1956.2	1925.0
15°	1315.2	1327.2	1373.3	1463.9	1597.8	1755.7	1907.3	2018.5	2056.0	2029.1
17.5°	1207.5	1218.2	1252.9	1325.8	1465.3	1662.2	1902.3	2089.3	2175.0	2153.8
20°	1175.0	1184.2	1200.5	1251.5	1367.6	1565.2	1869.8	2155.9	2303.2	2291.2
22.5°	1209.7	1218.2	1223.1	1245.8	1318.7	1501.5	1828.7	2223.9	2451.9	2453.3
25°	1289.7	1298.2	1292.5	1306.7	1338.6	1481.6	1813.1	2303.9	2638.9	2654.5
27.5°	1421.4	1422.1	1408.7	1408.0	1412.9	1511.4	1829.4	2389.6	2874.7	2903.8
30°	1685.6	1675.0	1623.3	1567.3	1541.8	1600.6	1874.7	2490.9	3153.1	3204.8
32.5°	2092.8	2077.3	1982.4	1848.5	1713.9	1744.4	1956.2	2606.3	3456.2	3549.7
35°	2534.8	2530.5	2431.4	2232.4	1997.2	1949.1	2088.6	2757.9	3787.0	3935.7
37.5°	2945.6	2943.4	2886.8	2652.4	2366.2	2234.5	2301.1	2956.2	4141.1	4356.4
40°	3320.9	3327.3	3270.6	3061.0	2772.8	2600.7	2590.0	3201.2	4534.9	4814.6
42.5°	3645.3	3652.4	3595.0	3439.9	3174.3	3005.8	2944.9	3501.5	4919.4	5306.8
45°	3865.6	3909.5	3901.0	3777.0	3586.5	3411.6	3371.2	3878.3	5357.8	5828.8
47.5°	3927.9	3968.3	4032.0	4049.0	3932.9	3760.7	3808.9	4332.3	5801.2	6351.5
50°	3774.2	3811.7	3944.2	4120.5	4201.3	4148.2	4234.6	4818.9	6255.2	6872.8
52.5°	3471.1	3509.3	3676.5	3955.5	4284.8	4452.0	4661.6	5298.3	6695.0	7366.4
55°	3032.7	3073.0	3287.6	3603.5	4125.5	4577.3	5017.9	5777.1	7098.0	7810.5
57.5°	2436.3	2466.1	2689.2	3131.1	3724.6	4452.7	5280.6	6299.8	7477.6	8246.7
60°	1587.9	1614.1	1873.3	2366.2	3060.3	4036.3	5333.0	6882.7	7981.9	8814.0
62.5°	1056.0	1073.7	1227.4	1589.3	2155.2	3236.7	5026.4	7348.0	8721.3	9801.3
65°	724.5	742.2	895.9	1148.1	1392.4	2141.0	4144.6	7286.4	9391.2	10585.3
67.5°	517.0	531.9	662.2	900.2	1007.8	1243.7	2809.6	6498.8	9294.9	10615.1
70°	370.4	378.9	486.6	701.2	801.0	747.2	1562.4	4970.4	8138.4	9802.0
72.5°	259.2	262.0	337.8	534.0	645.2	545.3	743.7	3313.9	6155.3	7693.6
75°	175.6	179.2	227.3	391.7	517.7	416.4	393.8	1777.0	3613.4	4258.6
77.5°	107.7	109.1	146.6	267.7	387.4	317.3	253.5	752.9	1398.1	1372.6
80°	60.9	60.9	93.5	166.4	264.2	204.7	177.8	320.1	442.6	388.8
82.5°	34.0	34.7	68.0	103.4	174.9	121.1	97.7	148.0	191.2	169.3
85°	14.2	15.6	41.8	48.9	83.6	60.2	39.7	62.3	70.8	63.0
87.5°	1.4	2.1	12.7	9.2	9.9	12.0	5.7	12.0	9.9	9.9
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°
1629.7	0°	1629.7	1629.7	1629.7	1629.7	1629.7	1629.7	1629.7	1629.7	1629.7	1629.7
1653.7	2.5°	1640.3	1629.7	1602.7	1571.6	1530.5	1510.7	1483.8	1465.3	1449.8	1451.2
1694.8	5°	1672.2	1645.2	1585.0	1510.0	1416.5	1349.9	1279.1	1230.2	1190.5	1182.1
1751.5	7.5°	1716.1	1673.6	1568.0	1432.8	1274.8	1155.1	1048.2	979.5	930.6	915.0
1820.2	10°	1772.7	1711.1	1546.1	1335.7	1108.4	956.1	841.4	787.6	754.3	742.9
1900.9	12.5°	1838.6	1754.3	1517.0	1217.5	937.0	790.4	717.4	690.5	679.9	676.4
2000.1	15°	1921.5	1808.1	1473.1	1077.2	791.8	689.1	658.0	654.4	655.8	654.4
2119.1	17.5°	2019.9	1866.9	1401.6	932.8	694.1	637.4	626.1	628.9	632.5	631.7
2252.2	20°	2127.6	1925.0	1310.2	804.6	627.5	600.6	594.2	597.0	599.9	598.5
2405.9	22.5°	2250.1	1987.3	1209.0	704.7	582.9	566.6	559.5	560.2	560.2	557.4
2600.7	25°	2396.7	2056.0	1102.7	633.9	548.9	536.1	527.6	524.8	520.6	512.1
2837.2	27.5°	2571.6	2129.0	1000.7	584.3	522.0	509.9	500.0	492.9	482.3	468.1
3121.2	30°	2768.5	2217.5	914.3	553.1	500.7	488.7	477.4	466.7	451.1	433.4
3447.7	32.5°	3000.1	2312.4	851.3	532.6	481.6	468.9	455.4	442.6	425.7	407.9
3814.6	35°	3276.3	2427.1	814.5	518.4	466.7	449.7	434.9	420.7	407.9	392.4
4213.3	37.5°	3575.9	2549.0	803.1	511.3	456.8	430.6	413.6	403.7	402.3	393.1
4644.6	40°	3903.8	2693.4	811.6	507.1	446.2	412.2	393.8	391.7	395.2	378.9
5105.7	42.5°	4250.9	2864.8	825.8	502.1	431.3	393.8	376.1	376.1	373.2	350.6
5593.0	45°	4626.2	3062.4	840.0	490.1	413.6	375.4	361.9	357.0	344.9	323.0
6083.1	47.5°	5004.4	3263.6	850.6	468.1	392.4	359.8	347.7	336.4	318.7	298.9
6564.0	50°	5363.5	3444.2	839.3	435.6	368.3	344.9	332.2	316.6	297.5	284.0
7019.4	52.5°	5684.3	3600.7	791.1	397.3	342.8	329.3	318.0	301.7	286.1	272.0
7430.1	55°	5963.4	3727.5	706.1	361.2	320.1	315.9	304.5	284.0	262.8	250.7
7837.4	57.5°	6231.1	3823.8	599.9	331.5	299.6	301.0	284.0	265.6	245.8	233.0
8386.3	60°	6587.3	3952.7	492.2	303.8	277.6	281.9	263.5	250.0	225.2	208.9
9327.5	62.5°	7156.8	4153.1	390.9	269.8	252.1	253.5	245.8	229.5	199.7	180.6
10025.1	65°	7608.6	4079.5	308.1	233.0	223.1	225.2	225.2	207.5	175.6	153.7
10062.7	67.5°	7557.6	3493.0	245.8	196.9	195.5	196.9	201.8	187.0	155.8	138.1
9296.3	70°	6962.0	2778.4	196.9	163.6	170.0	166.4	180.6	170.7	140.2	122.5
7207.0	72.5°	5680.8	2001.5	150.1	135.3	130.3	136.0	162.9	153.7	116.9	97.0
3817.4	75°	3319.5	1068.0	111.9	106.9	94.2	113.3	144.5	131.0	89.2	71.5
1170.0	77.5°	1080.8	372.5	82.2	78.6	70.1	91.4	123.2	110.5	72.9	56.7
342.8	80°	289.7	112.6	56.0	51.7	45.3	68.0	97.7	87.8	52.4	36.8
147.3	82.5°	116.2	47.5	32.6	29.0	24.8	46.7	77.2	70.8	39.0	23.4
46.0	85°	37.5	15.6	12.0	9.2	11.3	29.0	46.0	48.2	27.6	12.0
7.1	87.5°	5.0	2.1	2.1	2.8	2.1	5.0	14.2	13.5	7.8	1.4
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°
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1629.7
1437.0
1162.9
899.5
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674.2
653.7
630.3
597.8
556.0
510.6
466.7
432.0
408.7
390.9
392.4
379.6
350.6
322.2
298.2
281.9
270.5
249.3
231.6
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