

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: P848027

Luminaire Tested: **GLAN-SB4B-927-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848027  
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-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 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: 11398 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

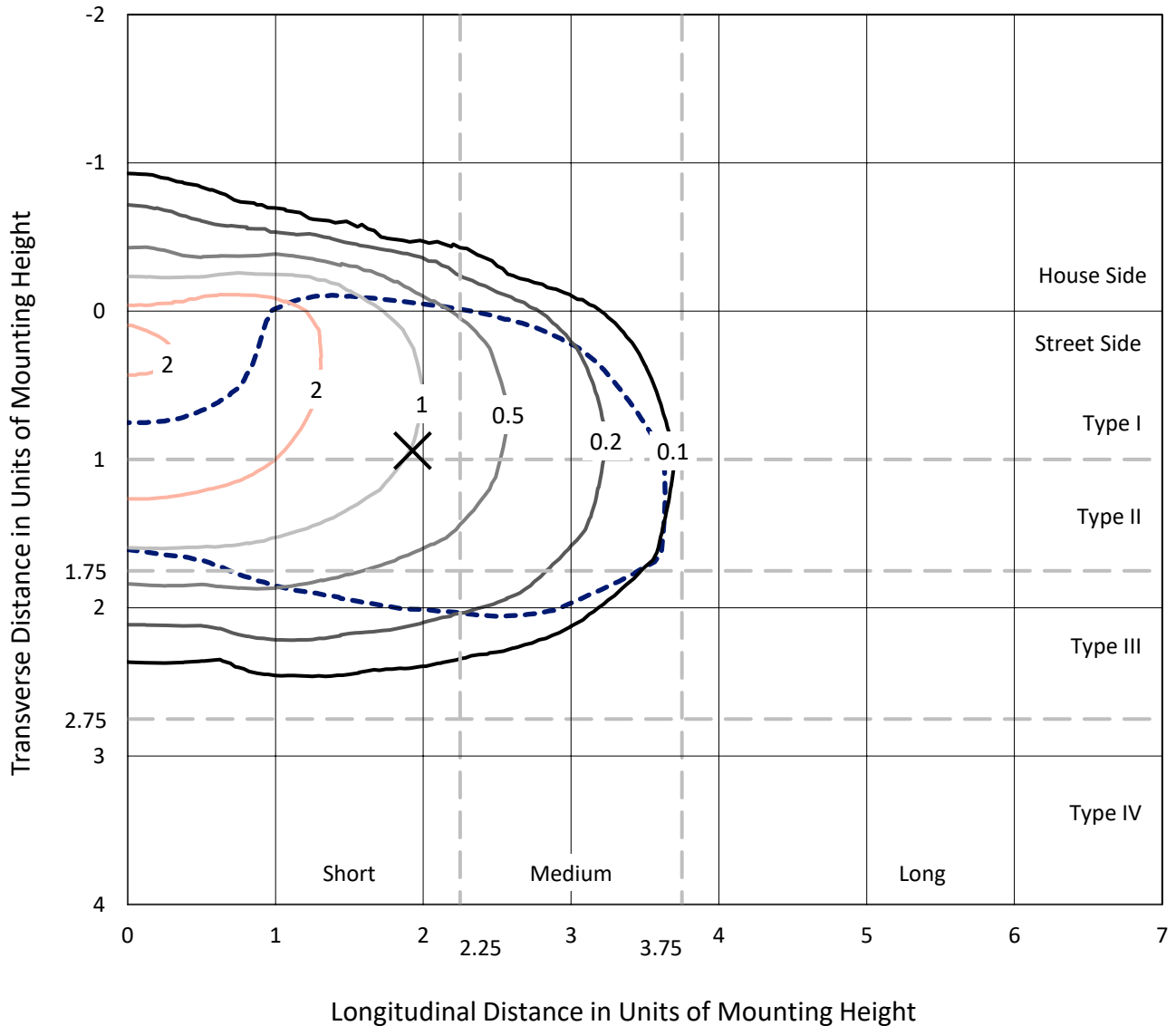
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

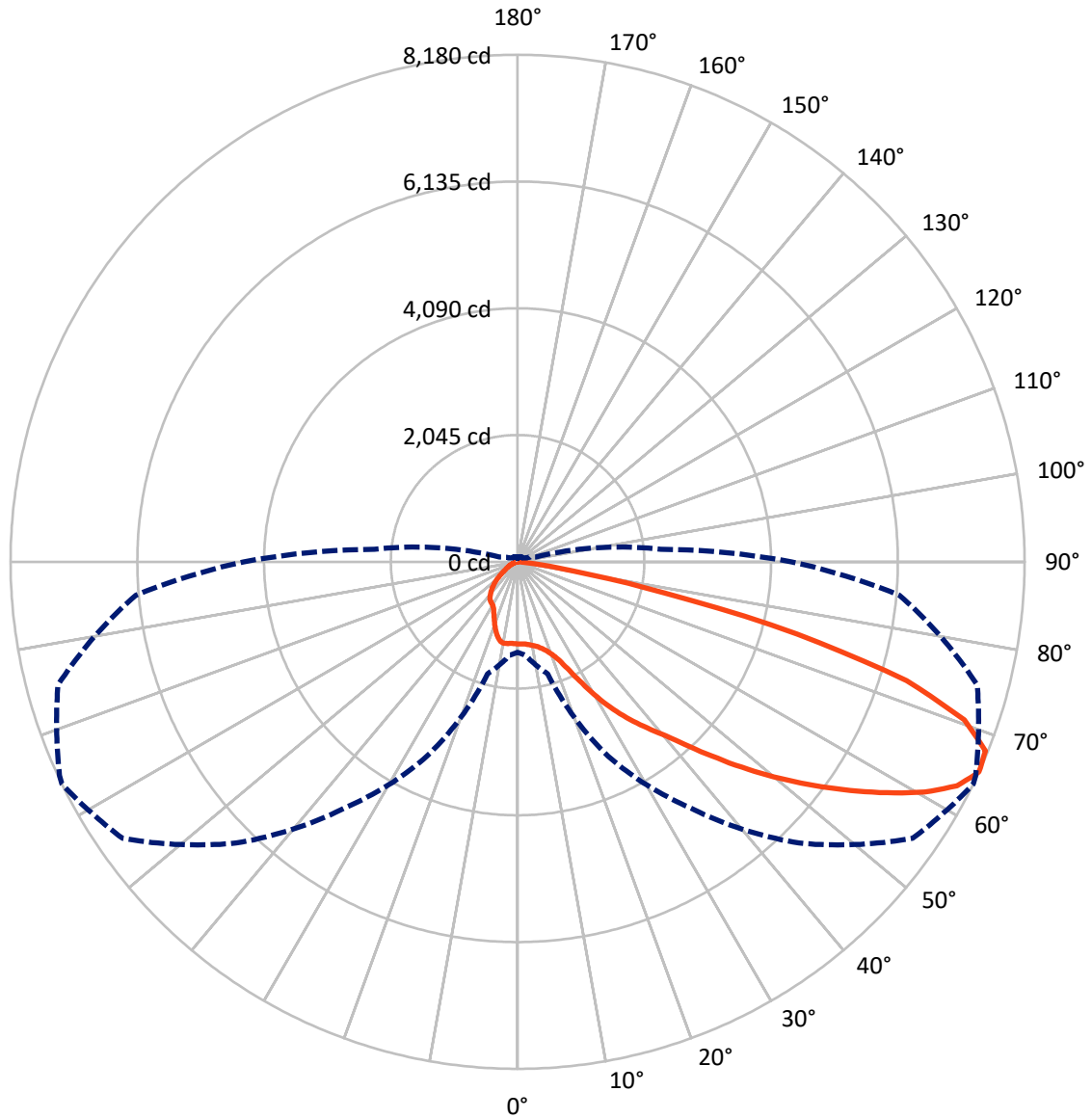
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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
<b>House Side</b>	Lumens	1524.3	0.0	1524.3
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	9873.7	0.0	9873.7
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	11398.0	0.0	11398.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.3	1.1
10°-20°	331.7	2.9
20°-30°	628.6	5.5
30°-40°	1272.0	11.2
40°-50°	2166.9	19.0
50°-60°	2946.8	25.9
60°-70°	2767.2	24.3
70°-80°	1108.7	9.7
80°-90°	53.7	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°	11398.0	100.0
0°-180°	11398.0	100.0

**Coefficient of Utilization**



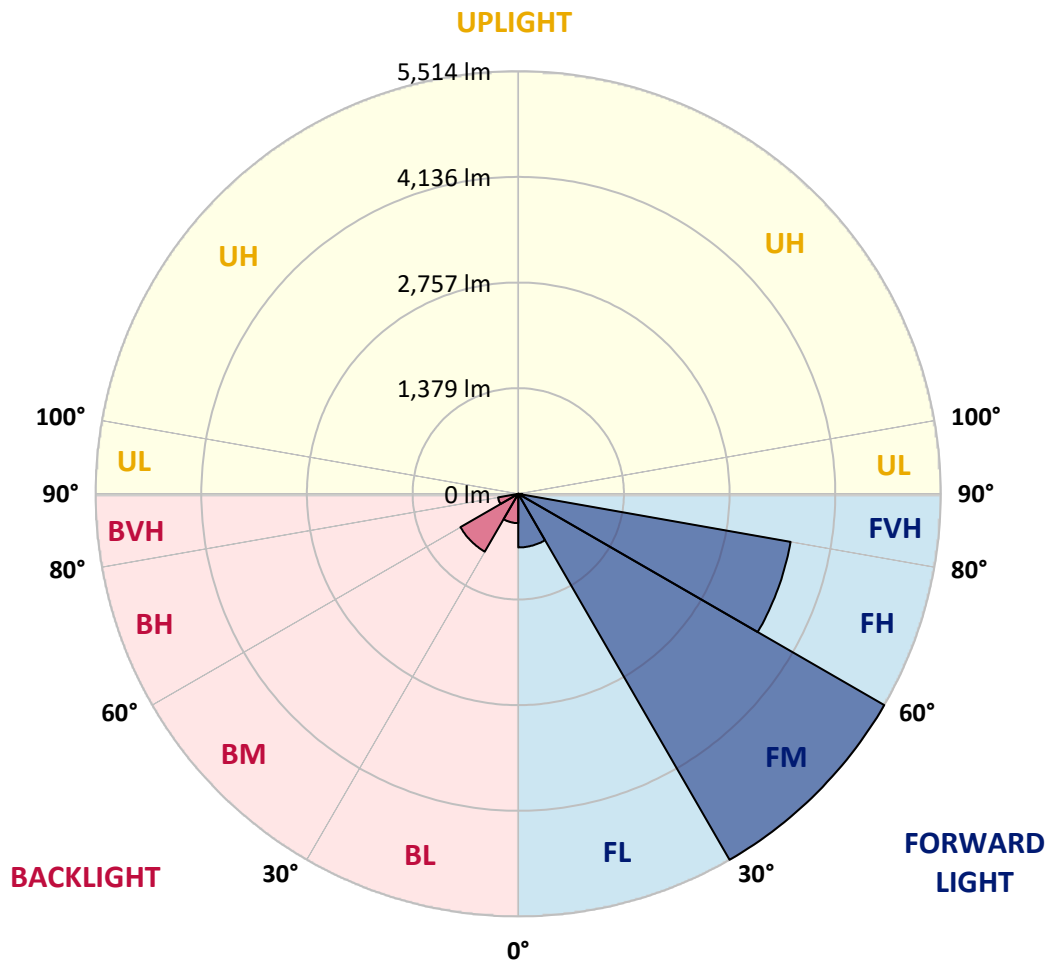
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	700.0	6.1			
FM (30°-60°)	5514.3	48.4			
FH (60°-80°)	3608.3	31.7			G2/5000
FVH (80°-90°)	51.1	0.4			G1/100
BL (0°-30°)	382.7	3.4	B1/500		
BM (30°-60°)	871.4	7.6	B1/1000		
BH (60°-80°)	267.5	2.3	B1/500		G1/500
BVH (80°-90°)	2.6	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°	1325.7	1325.7	1325.7	1325.7	1325.7	1325.7	1325.7	1325.7	1325.7	1325.7
2.5°	1321.1	1330.3	1328.0	1325.7	1324.9	1326.5	1327.2	1326.5	1326.5	1326.5
5°	1295.9	1303.5	1303.5	1308.9	1316.5	1325.7	1332.6	1334.1	1335.6	1337.9
7.5°	1247.8	1253.9	1258.5	1276.0	1295.1	1319.6	1340.2	1350.9	1352.4	1360.9
10°	1214.9	1222.6	1230.2	1248.5	1276.0	1312.7	1347.9	1373.8	1377.7	1397.5
12.5°	1213.4	1221.0	1231.0	1250.8	1282.9	1321.9	1364.7	1402.1	1409.0	1438.0
15°	1229.4	1238.6	1247.8	1272.2	1306.6	1354.0	1399.8	1446.4	1453.3	1494.6
17.5°	1262.3	1274.5	1281.4	1305.8	1342.5	1395.2	1455.6	1509.1	1515.2	1563.3
20°	1327.2	1341.8	1344.0	1363.9	1399.8	1456.4	1528.2	1594.7	1602.3	1657.3
22.5°	1461.7	1482.3	1464.0	1473.9	1506.0	1562.6	1640.5	1724.6	1735.3	1797.9
25°	1698.6	1727.6	1680.2	1663.4	1677.2	1736.0	1833.8	1940.0	1952.3	2002.7
27.5°	2163.9	2126.5	2054.7	1984.4	1943.1	1976.7	2086.7	2218.2	2233.5	2282.4
30°	2675.1	2642.2	2545.2	2389.3	2291.5	2286.2	2387.8	2534.5	2552.1	2598.7
32.5°	3187.0	3155.7	3050.3	2858.5	2688.9	2604.8	2675.1	2837.9	2847.0	2876.8
35°	3690.6	3658.5	3553.0	3356.7	3148.1	2957.0	2943.3	3126.7	3129.7	3161.1
37.5°	4197.2	4170.4	4058.1	3865.6	3660.0	3396.4	3268.8	3400.2	3404.0	3434.6
40°	4558.6	4570.1	4492.9	4343.9	4167.4	3879.3	3634.0	3691.3	3668.4	3719.6
42.5°	4868.8	4891.7	4824.5	4749.6	4647.2	4393.5	4086.4	4076.4	4039.8	4067.3
45°	5137.0	5156.1	5095.8	5078.2	5075.9	4897.9	4580.8	4521.2	4470.0	4464.6
47.5°	5235.6	5272.3	5298.2	5357.1	5471.7	5396.8	5091.9	4999.5	4942.2	4900.1
50°	5273.0	5312.0	5400.6	5571.8	5843.0	5875.1	5600.8	5496.9	5426.6	5350.2
52.5°	5222.6	5292.1	5411.3	5699.4	6092.9	6258.7	6089.1	5998.1	5917.9	5793.4
55°	4925.4	4994.9	5238.6	5697.9	6217.4	6527.7	6550.6	6510.1	6419.9	6223.6
57.5°	4298.8	4402.0	4787.8	5503.8	6215.2	6759.2	7002.9	7032.0	6931.1	6649.9
60°	3430.8	3570.6	4041.3	5073.6	6023.4	6884.5	7399.5	7544.7	7437.7	7070.2
62.5°	2393.9	2555.9	3001.4	4399.7	5584.8	6794.3	7689.1	7957.3	7876.3	7446.1
65°	1460.2	1512.1	1871.3	3462.1	4839.0	6416.9	7778.5	8180.4	8153.7	7676.1
67.5°	972.7	1016.2	1119.4	2374.0	3756.3	5662.7	7564.5	8141.4	8149.1	7638.7
70°	586.1	623.5	690.7	1380.7	2434.4	4482.2	6902.1	7644.8	7689.1	7138.2
72.5°	241.5	266.7	327.8	625.8	1260.8	2844.7	5496.1	6563.6	6666.7	6002.0
75°	136.8	149.8	192.6	314.0	547.1	1325.7	3329.2	4659.5	4811.5	4136.8
77.5°	90.9	97.0	124.5	203.2	307.9	452.3	1422.7	2427.5	2717.9	2259.4
80°	61.1	66.5	85.6	136.0	200.2	194.1	453.1	899.3	1106.4	776.3
82.5°	41.3	42.0	61.1	89.4	126.8	94.0	133.7	279.7	351.5	224.6
85°	23.7	22.9	45.1	52.0	56.5	39.0	40.5	84.1	110.0	94.7
87.5°	3.1	4.6	17.6	13.8	7.6	8.4	8.4	14.5	21.4	22.9
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°
1325.7	0°	1325.7	1325.7	1325.7	1325.7	1325.7	1325.7	1325.7	1325.7	1325.7	1325.7
1327.2	2.5°	1327.2	1326.5	1324.2	1321.9	1316.5	1313.5	1315.0	1313.5	1312.7	1313.5
1337.2	5°	1337.2	1334.9	1328.8	1321.1	1310.4	1297.4	1289.0	1276.8	1265.3	1258.5
1363.9	7.5°	1363.9	1361.6	1353.2	1331.8	1297.4	1243.2	1193.5	1150.0	1117.1	1098.0
1406.7	10°	1406.7	1402.9	1389.9	1342.5	1252.4	1133.9	1035.3	953.6	900.1	874.9
1457.1	12.5°	1457.1	1452.5	1429.6	1332.6	1166.8	981.9	845.9	754.9	705.3	683.1
1515.2	15°	1516.7	1510.6	1465.5	1285.2	1042.2	813.8	689.2	621.2	589.1	569.3
1589.3	17.5°	1590.8	1580.1	1492.3	1214.1	907.0	685.4	592.9	541.7	513.5	494.4
1686.4	20°	1687.1	1669.5	1513.7	1129.3	782.4	604.4	528.0	485.2	463.8	447.0
1823.9	22.5°	1821.6	1796.4	1539.7	1037.6	694.6	548.6	479.9	448.5	430.9	411.8
2015.7	25°	1988.2	1958.4	1571.7	952.8	634.2	500.5	444.7	418.7	398.1	375.9
2267.1	27.5°	2221.2	2167.7	1609.9	883.3	582.2	459.2	412.6	383.6	359.9	341.6
2552.1	30°	2481.0	2393.1	1643.6	841.3	534.9	421.0	370.6	341.6	319.4	306.4
2808.1	32.5°	2727.1	2607.9	1665.7	822.9	492.1	377.5	324.7	293.4	276.6	272.8
3058.7	35°	2959.3	2801.9	1663.4	805.4	453.9	333.9	279.7	247.6	234.6	236.9
3328.4	37.5°	3226.8	3009.0	1647.4	777.8	422.5	294.2	240.7	212.4	201.0	201.7
3656.2	40°	3537.8	3248.2	1637.5	725.9	388.2	257.5	208.6	185.7	177.3	174.2
4001.6	42.5°	3869.4	3479.7	1639.0	667.1	345.4	224.6	186.4	167.3	159.7	157.4
4385.9	45°	4202.5	3700.5	1641.3	605.9	300.3	199.4	170.4	154.3	149.8	146.7
4775.6	47.5°	4515.8	3888.5	1598.5	540.2	256.0	180.3	157.4	146.7	142.9	139.1
5166.8	50°	4807.7	4013.8	1495.3	463.8	220.8	165.0	147.5	139.8	136.0	132.2
5521.4	52.5°	5034.6	4033.7	1324.9	385.1	196.4	153.6	141.4	134.5	129.9	126.1
5807.9	55°	5135.5	3909.1	1082.7	311.8	177.3	143.6	135.2	128.4	123.0	119.2
6033.3	57.5°	5109.5	3647.0	844.3	250.6	158.9	133.7	127.6	123.0	116.9	110.8
6215.9	60°	4981.9	3296.3	636.5	208.6	142.1	123.0	119.2	115.4	107.0	97.8
6286.2	62.5°	4761.1	2855.4	453.9	172.7	123.8	110.8	109.3	106.2	94.0	77.2
6182.3	65°	4423.3	2319.8	305.6	143.6	106.2	97.0	97.8	92.5	76.4	57.3
5801.8	67.5°	3929.7	1696.3	195.6	117.7	88.6	81.0	81.8	78.7	64.9	48.9
5080.5	70°	3300.9	1123.2	127.6	89.4	71.1	62.7	67.2	68.0	55.0	39.7
3899.2	72.5°	2419.9	663.2	89.4	66.5	52.0	43.6	55.0	56.5	44.3	29.8
2345.8	75°	1379.2	314.8	67.2	48.1	32.1	30.6	42.8	42.8	30.6	19.9
1015.5	77.5°	579.2	131.4	47.4	31.3	18.3	17.6	29.0	26.7	15.3	9.2
247.6	80°	167.3	58.8	25.2	15.3	7.6	6.9	11.5	8.4	3.8	1.5
94.0	82.5°	65.7	26.0	9.9	6.1	3.1	3.1	1.5	0.0	0.0	0.0
53.5	85°	39.0	10.7	4.6	2.3	0.8	0.0	0.0	0.0	0.0	0.0
11.5	87.5°	9.9	2.3	1.5	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°
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1325.7
1316.5
1260.0
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872.6
680.8
570.0
492.8
443.9
408.8
373.6
337.7
304.1
275.1
236.9
204.8
173.4
156.6
146.7
139.1
132.2
125.3
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110.0
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