

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: P852376

Luminaire Tested: **GLAN-SB3B-850-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852376  
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-SB3B-850-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 5000K, 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: 10984 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

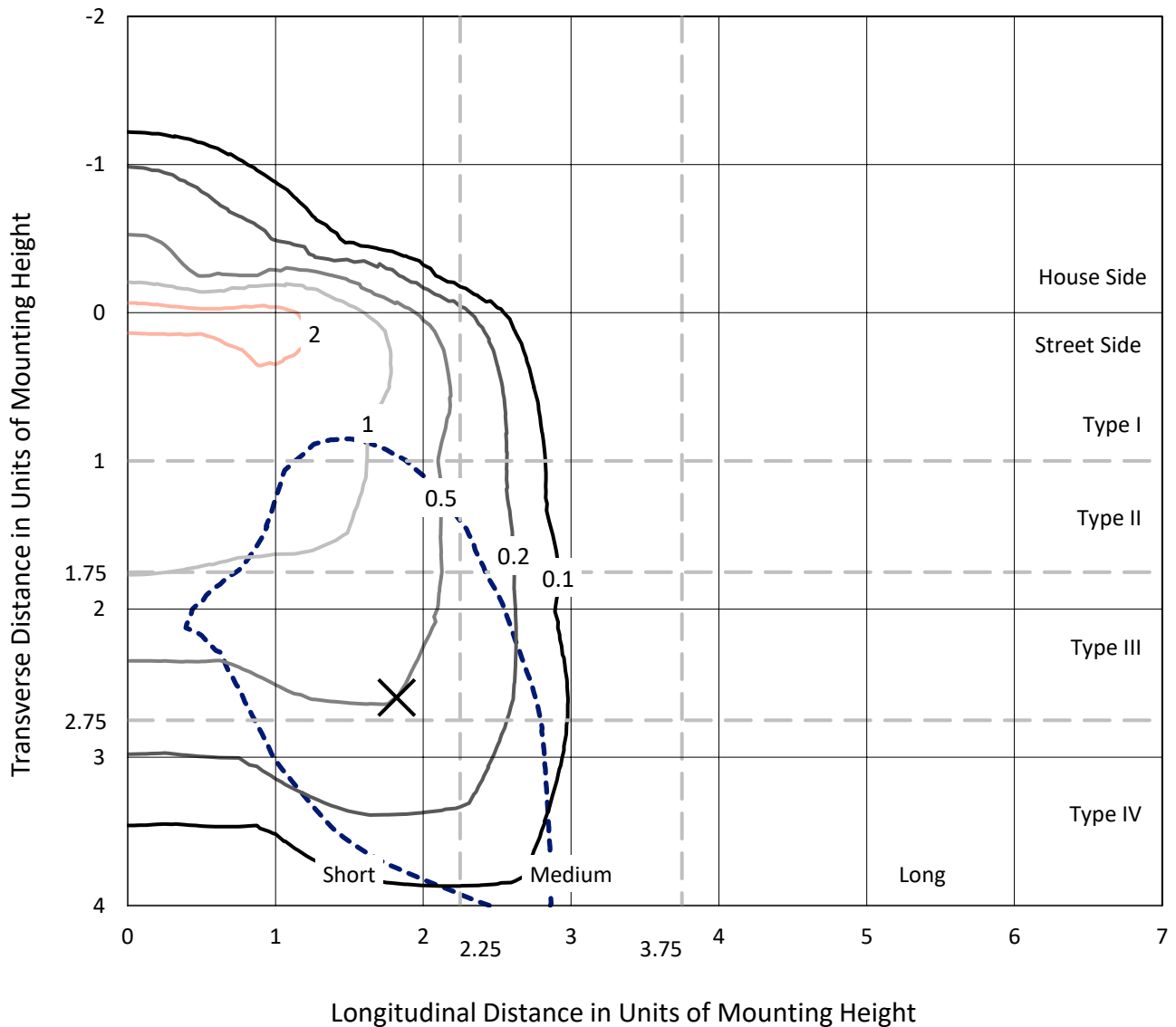
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

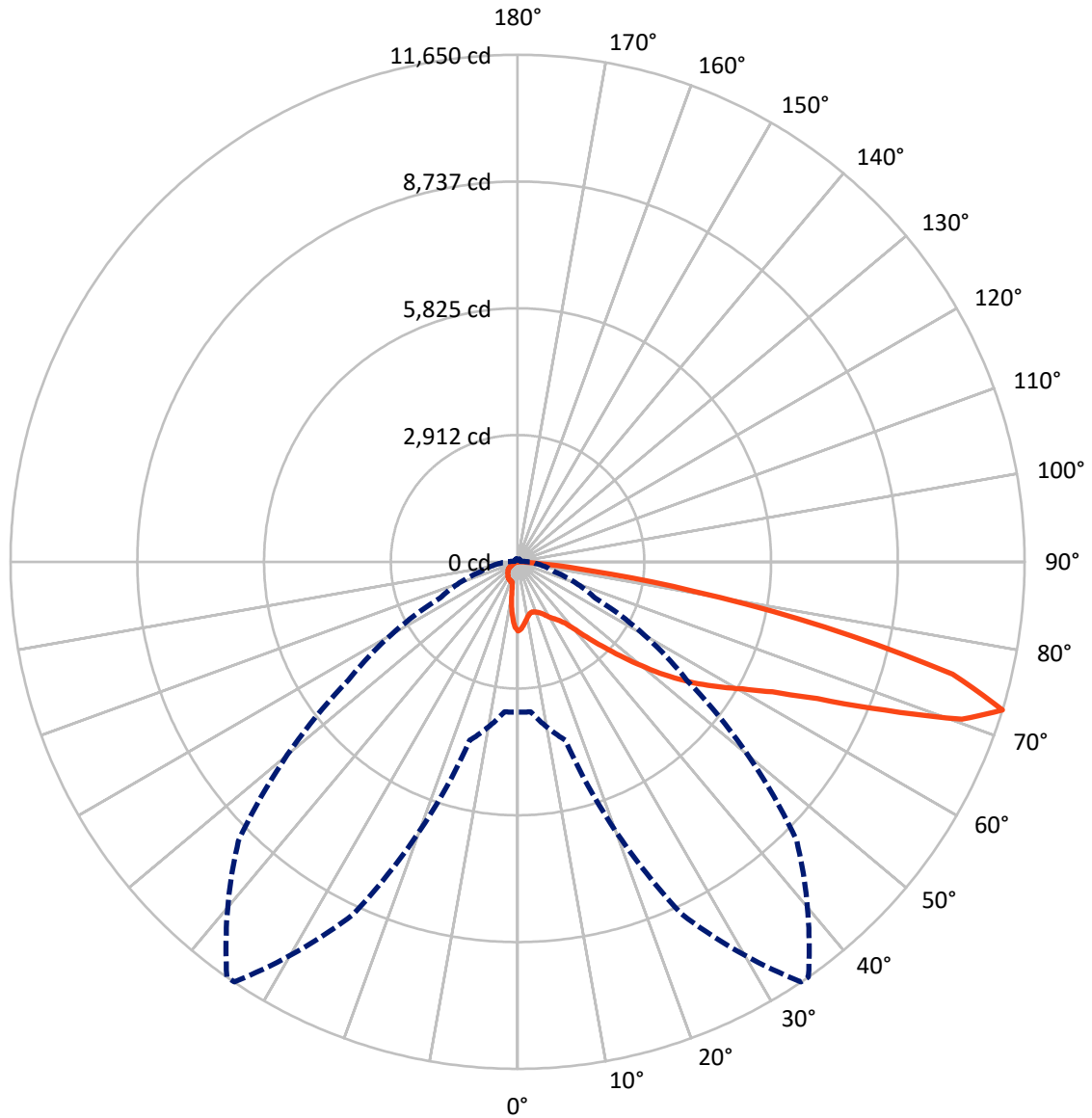
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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
<b>House Side</b>	Lumens	1236.2	0.0	1236.2
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	9747.8	0.0	9747.8
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	10984.0	0.0	10984.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.8	1.2
10°-20°	306.0	2.8
20°-30°	497.1	4.5
30°-40°	829.5	7.6
40°-50°	1569.4	14.3
50°-60°	2493.7	22.7
60°-70°	3084.9	28.1
70°-80°	1917.6	17.5
80°-90°	155.0	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°	10984.0	100.0
0°-180°	10984.0	100.0

**Coefficient of Utilization**

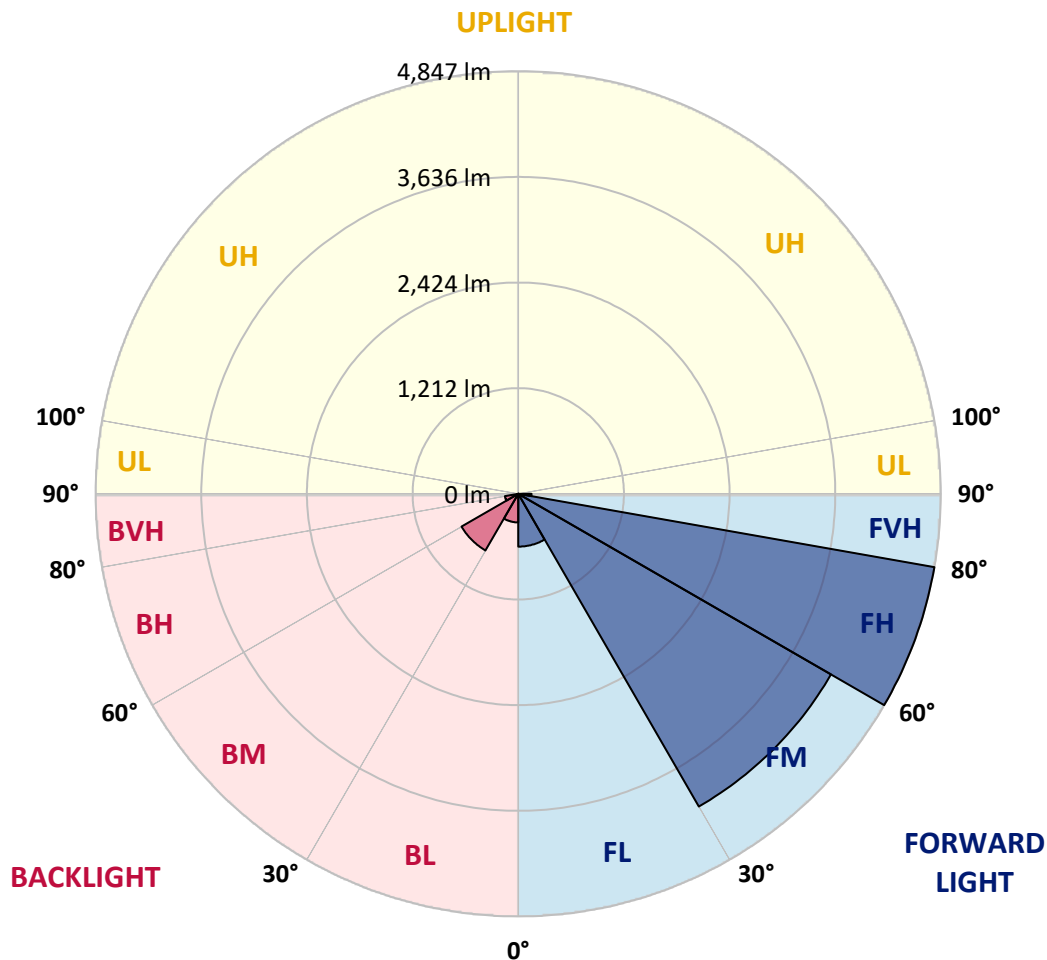


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.5	5.5			
FM (30°-60°)	4142.1	37.7			
FH (60°-80°)	4847.4	44.1			G2/5000
FVH (80°-90°)	152.9	1.4			G2/225
BL (0°-30°)	328.5	3.0	B1/500		
BM (30°-60°)	750.5	6.8	B1/1000		
BH (60°-80°)	155.1	1.4	B1/500		G1/500
BVH (80°-90°)	2.1	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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9
2.5°	1521.1	1534.0	1536.4	1540.4	1540.4	1545.3	1553.3	1564.6	1583.1	1592.8
5°	1402.0	1411.7	1423.7	1433.4	1451.9	1454.3	1485.7	1516.3	1559.0	1591.1
7.5°	1282.1	1293.4	1309.5	1332.8	1356.9	1364.2	1411.7	1463.2	1530.8	1591.1
10°	1197.6	1198.4	1212.9	1236.2	1274.8	1283.7	1341.6	1414.9	1499.4	1581.5
12.5°	1150.1	1155.7	1162.2	1179.9	1216.9	1222.5	1284.5	1370.6	1468.0	1575.9
15°	1150.1	1154.1	1158.1	1167.0	1196.8	1201.6	1256.3	1342.5	1451.9	1578.3
17.5°	1162.2	1168.6	1165.4	1175.9	1207.2	1210.5	1258.8	1334.4	1451.1	1593.6
20°	1191.1	1196.0	1189.5	1196.0	1227.4	1233.8	1283.7	1349.7	1464.8	1620.1
22.5°	1237.0	1239.4	1224.1	1229.0	1261.2	1269.2	1327.2	1393.2	1497.8	1662.8
25°	1295.0	1299.8	1276.5	1282.1	1312.7	1322.3	1389.1	1458.3	1550.1	1721.5
27.5°	1361.8	1364.2	1344.1	1343.3	1382.7	1396.4	1464.0	1538.8	1620.1	1795.6
30°	1438.2	1445.5	1426.2	1422.9	1472.8	1484.1	1550.9	1637.8	1723.1	1906.6
32.5°	1498.6	1504.2	1493.0	1501.0	1551.7	1560.6	1656.3	1777.9	1884.9	2064.4
35°	1585.5	1588.7	1563.0	1577.5	1635.4	1657.9	1800.4	1974.2	2088.5	2262.4
37.5°	1900.2	1900.2	1790.7	1719.1	1774.6	1794.8	1997.6	2221.3	2339.6	2528.0
40°	2335.6	2328.4	2168.2	2021.7	2014.5	2053.9	2278.5	2532.8	2664.0	2846.7
42.5°	2800.0	2788.7	2570.6	2425.8	2401.6	2415.3	2602.8	2916.7	3050.3	3235.4
45°	3212.1	3208.8	3009.3	2814.5	2771.0	2814.5	3007.6	3365.8	3461.6	3656.3
47.5°	3557.3	3557.3	3411.7	3284.5	3262.0	3287.7	3555.7	3864.0	3855.1	4104.6
50°	3954.9	3951.7	3813.3	3758.5	3781.9	3818.1	4186.7	4388.7	4262.4	4544.9
52.5°	4233.4	4252.7	4205.2	4196.4	4315.5	4378.3	4827.4	4902.2	4627.0	4962.6
55°	4453.9	4476.5	4531.2	4593.2	4822.5	4904.6	5447.9	5389.1	4932.0	5324.7
57.5°	4766.2	4734.0	4818.5	4940.8	5311.9	5410.9	6049.1	5848.7	5177.5	5618.5
60°	5145.3	5150.1	5164.6	5319.1	5800.4	5927.6	6641.4	6283.3	5335.2	5798.8
62.5°	5600.8	5608.0	5637.8	5875.2	6456.3	6576.2	7272.4	6639.0	5407.6	5748.1
65°	5569.4	5600.0	5932.4	6744.5	7453.5	7571.8	8008.8	6888.5	5298.2	5284.5
67.5°	5073.6	5123.5	5679.7	7782.7	8956.9	9088.9	8899.0	6937.6	4825.7	4109.5
70°	4423.3	4441.0	5109.9	8716.3	10697.8	10831.4	9695.8	6397.6	3662.0	2292.2
72.5°	3454.3	3458.3	4243.1	8932.8	11642.6	11649.9	9070.4	4749.3	1969.4	880.5
75°	2467.6	2443.5	2841.8	7244.3	10243.0	10325.1	6800.0	2227.8	752.5	416.1
77.5°	1323.1	1349.7	1608.0	4296.2	7076.0	7216.1	3710.3	642.3	383.1	283.3
80°	408.9	431.4	659.2	1967.0	4008.0	4092.6	1375.5	285.7	267.2	202.0
82.5°	128.8	133.6	307.4	826.6	1663.6	1702.2	398.4	161.8	182.7	133.6
85°	37.0	37.8	136.8	308.2	411.3	419.3	111.9	62.8	104.6	82.9
87.5°	4.0	12.9	51.5	51.5	36.2	35.4	12.1	13.7	29.8	10.5
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°
1591.9	0°	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9
1599.2	2.5°	1595.2	1596.0	1585.5	1567.8	1548.5	1532.4	1512.3	1496.2	1484.9	1481.7
1613.7	5°	1606.4	1600.8	1571.0	1517.1	1452.7	1397.2	1335.2	1286.1	1253.9	1240.2
1629.0	7.5°	1623.3	1607.2	1542.1	1435.8	1312.7	1203.2	1092.2	1006.0	951.3	923.9
1643.5	10°	1637.8	1605.6	1493.8	1318.3	1130.0	964.2	814.5	710.7	652.7	625.4
1660.4	12.5°	1651.5	1604.8	1431.0	1179.1	923.9	721.1	581.9	530.4	514.3	508.7
1687.7	15°	1677.3	1607.2	1352.1	1019.7	718.7	544.9	494.2	493.4	496.6	495.0
1729.6	17.5°	1712.7	1609.7	1262.8	850.7	554.5	480.5	478.1	485.3	490.1	487.7
1781.9	20°	1758.5	1619.3	1167.8	683.3	476.5	464.4	470.0	476.5	480.5	476.5
1851.9	22.5°	1822.9	1636.2	1064.0	548.9	451.5	454.7	459.6	466.8	470.8	465.2
1941.2	25°	1901.8	1662.8	961.8	477.3	439.4	443.5	450.7	458.8	463.6	457.9
2053.9	27.5°	2004.0	1705.4	867.6	461.2	427.4	429.8	440.2	452.3	458.8	451.5
2214.1	30°	2152.1	1775.5	786.3	468.4	420.1	414.5	429.0	445.9	453.1	446.7
2432.2	32.5°	2348.5	1874.4	736.4	479.7	416.9	396.8	410.5	432.2	444.3	440.2
2717.1	35°	2606.0	2024.9	717.1	492.6	414.5	378.3	387.9	411.3	432.2	436.2
3076.1	37.5°	2918.3	2234.2	722.7	498.2	407.2	363.0	367.8	387.9	415.3	428.2
3480.1	40°	3273.2	2478.1	754.9	492.6	399.2	350.1	350.9	366.2	390.3	409.7
3914.7	42.5°	3639.4	2763.0	814.5	471.6	392.0	338.8	336.4	346.9	363.0	376.7
4348.5	45°	3987.9	3055.9	873.2	442.7	383.1	327.6	321.9	326.0	329.2	334.8
4771.0	47.5°	4292.1	3262.0	856.3	416.1	371.0	314.7	305.0	303.4	293.8	293.0
5148.5	50°	4502.2	3307.0	760.6	389.5	353.3	300.2	284.9	275.3	258.3	250.3
5431.0	52.5°	4569.0	3129.2	621.3	363.0	324.3	280.9	259.2	243.9	222.9	215.7
5593.6	55°	4480.5	2780.7	496.6	330.8	284.1	255.1	231.0	210.9	194.0	185.1
5611.3	57.5°	4264.0	2337.2	392.8	293.0	241.4	226.2	202.0	181.9	167.4	158.6
5414.9	60°	3905.0	1855.9	310.7	247.9	206.0	194.8	169.8	156.9	144.1	133.6
4907.8	62.5°	3360.2	1324.7	243.9	196.4	172.2	159.4	144.9	135.2	119.9	105.4
3996.0	65°	2622.1	810.5	188.3	144.1	138.4	132.0	123.1	114.3	95.8	81.3
2606.8	67.5°	1653.9	383.9	134.4	108.7	109.5	106.2	102.2	95.0	81.3	68.4
1167.8	70°	728.4	185.9	88.5	82.9	81.3	81.3	84.5	82.1	69.2	57.1
405.6	72.5°	247.9	99.8	66.0	62.8	58.8	57.9	70.8	68.4	55.5	44.3
202.0	75°	129.6	66.8	48.3	45.1	35.4	42.7	56.3	53.1	39.4	29.0
133.6	77.5°	84.5	47.5	33.0	29.0	20.1	28.2	41.9	37.0	23.3	14.5
87.7	80°	53.1	31.4	19.3	13.7	9.7	15.3	22.5	16.1	8.9	3.2
51.5	82.5°	28.2	16.1	7.2	4.8	4.0	4.8	5.6	4.0	1.6	0.0
26.6	85°	11.3	5.6	2.4	1.6	0.8	0.0	1.6	0.8	0.0	0.0
4.8	87.5°	4.0	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°
1591.9
1487.3
1245.1
928.0
626.2
507.0
494.2
486.9
475.7
464.4
457.1
451.5
445.9
440.2
436.2
431.4
416.1
382.3
338.0
292.2
251.1
214.9
185.1
156.9
131.2
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