

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: P847005

Luminaire Tested: **GLAN-SB2D-927-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847005  
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-SB2D-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 900mA 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: 9570 lumens  
Efficiency: N/A  
Efficacy: 64.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

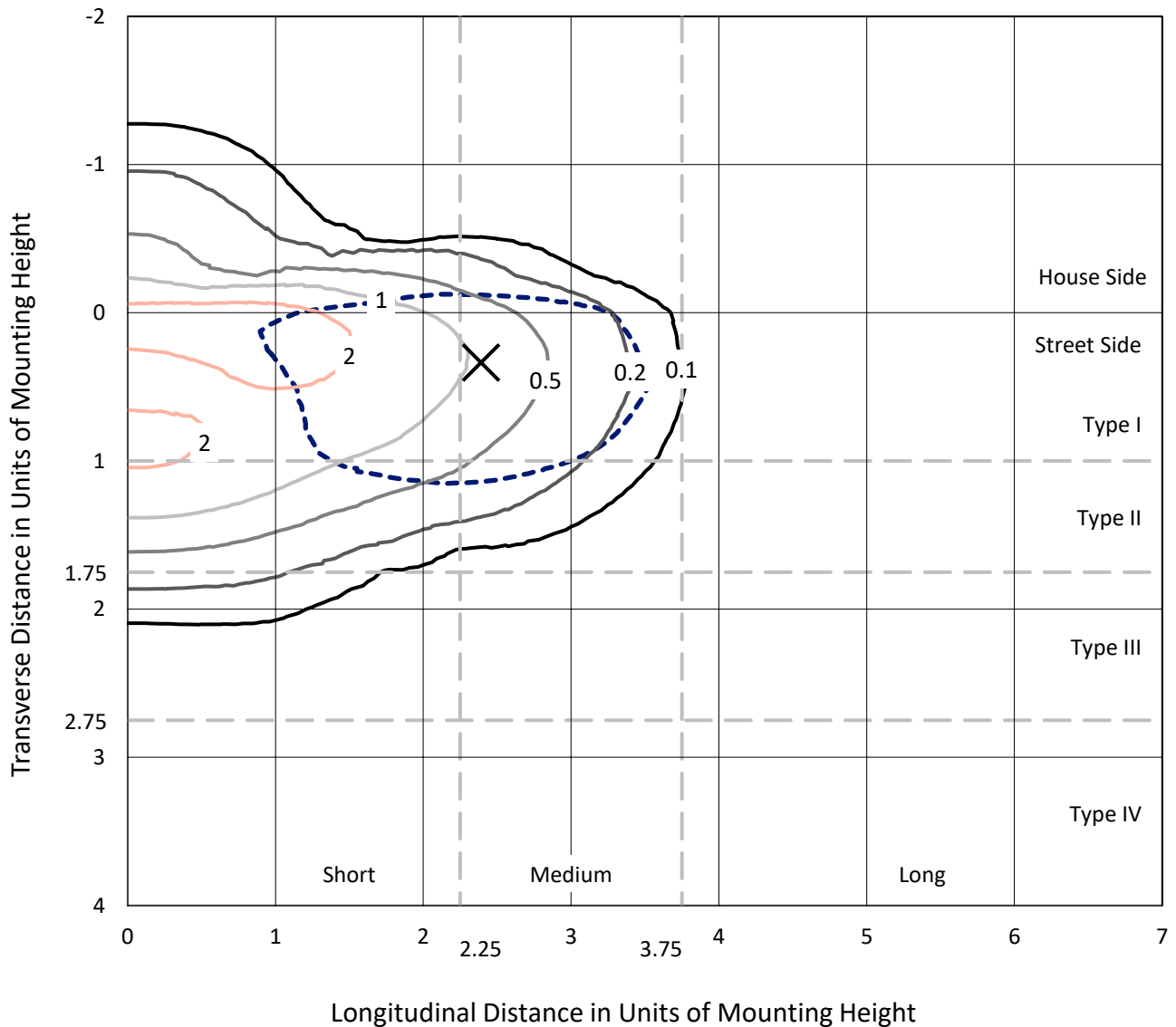
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

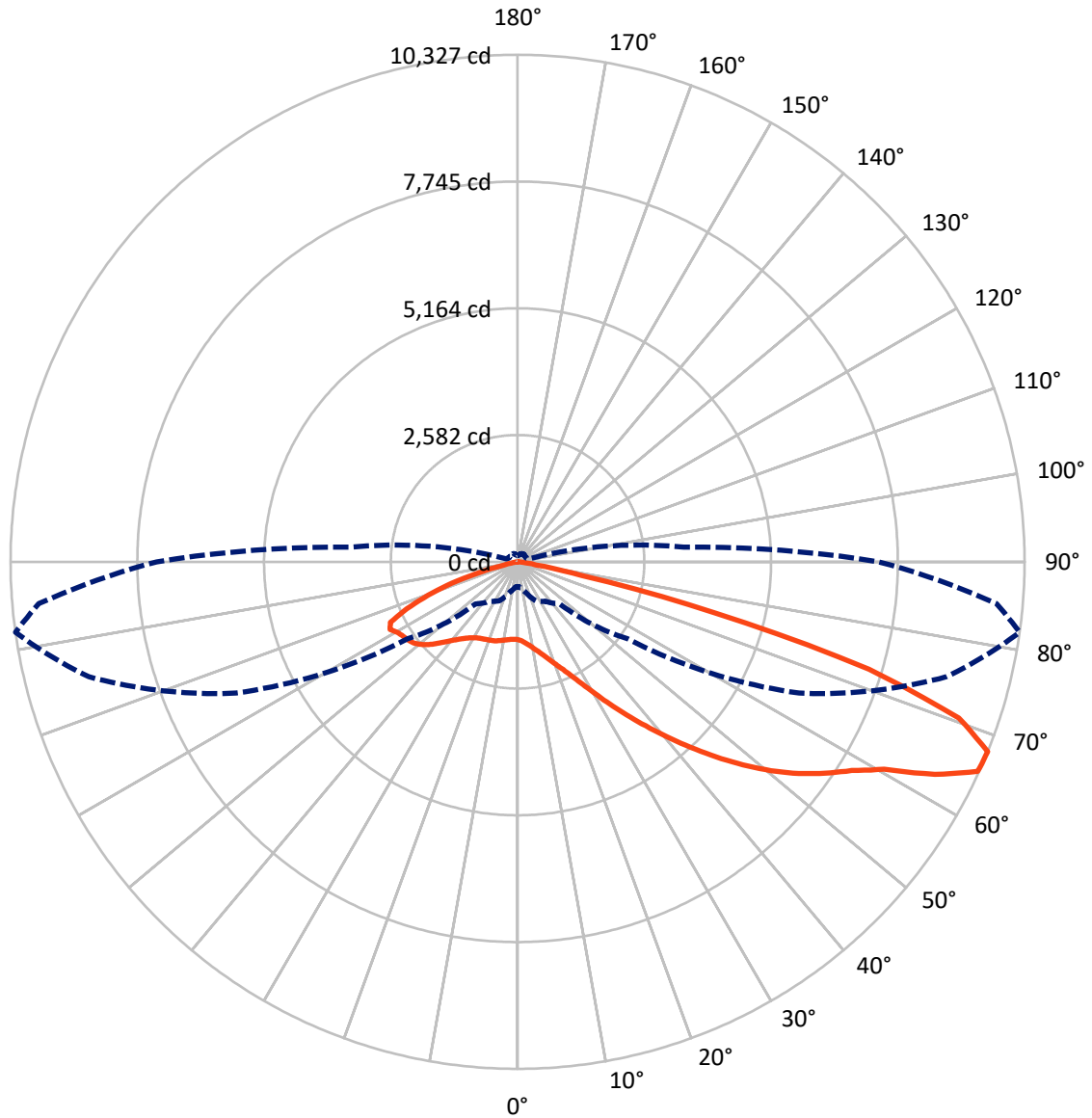
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	1733.5	0.0	1733.5
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	7836.5	0.0	7836.5
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	9570.0	0.0	9570.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.3	1.5
10°-20°	367.1	3.8
20°-30°	587.9	6.1
30°-40°	1039.6	10.9
40°-50°	1821.5	19.0
50°-60°	2429.3	25.4
60°-70°	2261.6	23.6
70°-80°	868.0	9.1
80°-90°	53.9	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°	9570.0	100.0
0°-180°	9570.0	100.0

**Coefficient of Utilization**

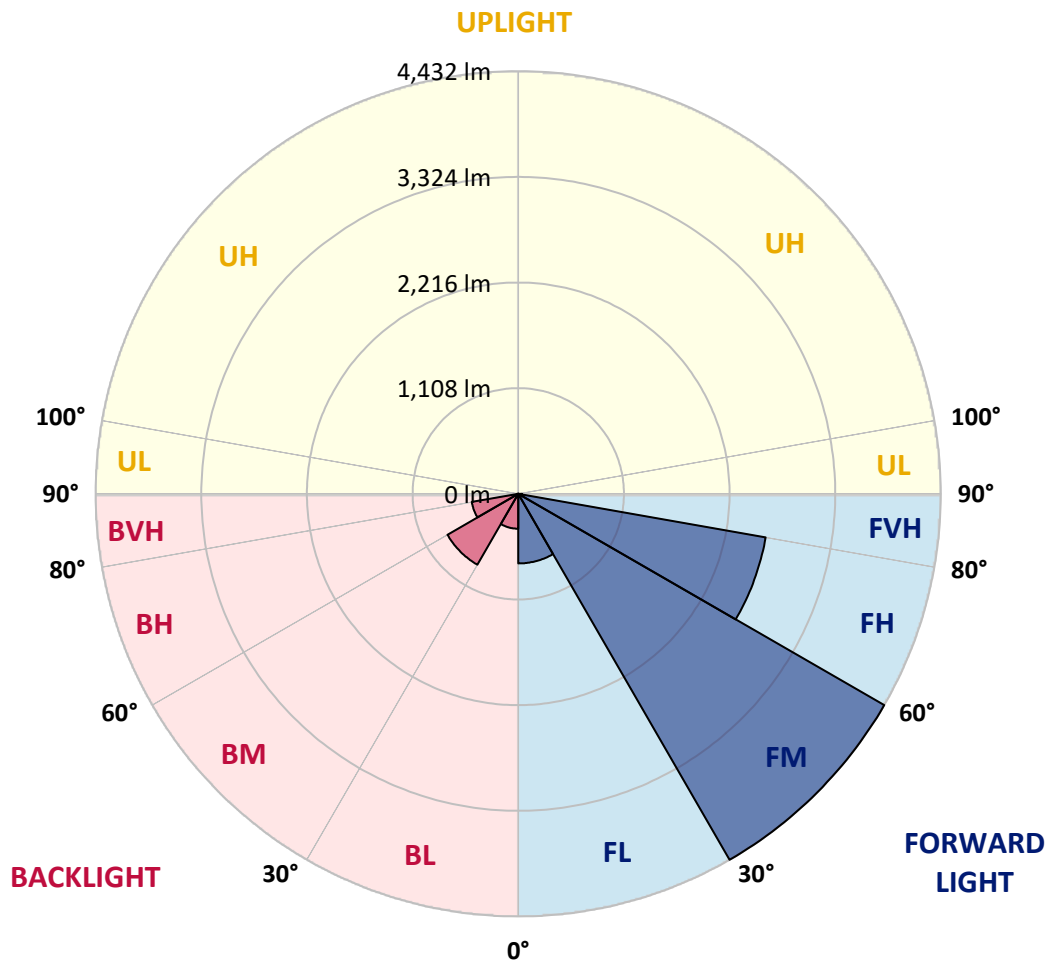


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	730.1	7.6			
FM (30°-60°)	4432.4	46.3			
FH (60°-80°)	2634.8	27.5			G2/5000
FVH (80°-90°)	39.2	0.4			G1/100
BL (0°-30°)	366.1	3.8	B1/500		
BM (30°-60°)	857.9	9.0	B1/1000		
BH (60°-80°)	494.8	5.2	B1/500		G1/500
BVH (80°-90°)	14.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4
2.5°	1675.7	1685.3	1679.8	1677.1	1672.2	1665.4	1659.8	1642.6	1624.7	1613.0
5°	1709.4	1719.1	1718.4	1721.2	1724.6	1726.7	1725.3	1706.0	1680.5	1660.5
7.5°	1680.5	1691.5	1700.5	1714.3	1738.4	1763.9	1776.3	1772.1	1746.0	1718.4
10°	1598.5	1610.2	1631.6	1664.0	1715.0	1770.1	1816.2	1837.6	1821.1	1790.8
12.5°	1448.3	1460.0	1502.1	1572.3	1657.8	1753.5	1841.7	1898.9	1903.1	1872.7
15°	1279.5	1291.2	1336.0	1424.2	1554.4	1708.1	1855.5	1963.7	2000.2	1974.0
17.5°	1174.8	1185.1	1218.9	1289.8	1425.6	1617.1	1850.7	2032.6	2116.0	2095.3
20°	1143.1	1152.0	1167.9	1217.5	1330.5	1522.7	1819.0	2097.4	2240.7	2229.0
22.5°	1176.8	1185.1	1189.9	1212.0	1282.9	1460.7	1779.0	2163.5	2385.4	2386.8
25°	1254.7	1263.0	1257.5	1271.2	1302.2	1441.4	1763.9	2241.4	2567.3	2582.4
27.5°	1382.9	1383.5	1370.5	1369.8	1374.6	1470.4	1779.7	2324.7	2796.7	2825.0
30°	1639.9	1629.5	1579.2	1524.8	1500.0	1557.2	1823.8	2423.3	3067.5	3117.8
32.5°	2036.0	2020.9	1928.6	1798.3	1667.4	1697.0	1903.1	2535.6	3362.4	3453.3
35°	2466.0	2461.9	2365.4	2171.8	1943.0	1896.2	2031.9	2683.0	3684.2	3828.9
37.5°	2865.6	2863.5	2808.4	2580.4	2302.0	2173.8	2238.6	2876.0	4028.7	4238.1
40°	3230.8	3237.0	3181.9	2977.9	2697.5	2530.1	2519.7	3114.4	4411.8	4683.9
42.5°	3546.4	3553.3	3497.4	3346.5	3088.2	2924.2	2864.9	3406.5	4785.9	5162.8
45°	3760.6	3803.4	3795.1	3674.5	3489.2	3319.0	3279.7	3773.1	5212.4	5670.6
47.5°	3821.3	3860.6	3922.6	3939.1	3826.1	3658.7	3705.5	4214.7	5643.7	6179.1
50°	3671.8	3708.3	3837.1	4008.7	4087.2	4035.6	4119.6	4688.1	6085.4	6686.2
52.5°	3376.9	3414.1	3576.7	3848.2	4168.5	4331.2	4535.1	5154.5	6513.3	7166.5
55°	2950.4	2989.6	3198.4	3505.7	4013.5	4453.1	4881.7	5620.3	6905.3	7598.5
57.5°	2370.2	2399.2	2616.2	3046.1	3623.5	4331.8	5137.3	6128.8	7274.6	8022.9
60°	1544.8	1570.3	1822.4	2302.0	2977.2	3926.7	5188.3	6695.9	7765.2	8574.8
62.5°	1027.3	1044.5	1194.1	1546.2	2096.7	3148.8	4889.9	7148.5	8484.5	9535.3
65°	704.9	722.1	871.6	1116.9	1354.6	2082.9	4032.1	7088.6	9136.3	10298.0
67.5°	503.0	517.5	644.2	875.7	980.5	1209.9	2733.3	6322.4	9042.6	10327.0
70°	360.4	368.6	473.4	682.1	779.3	726.9	1520.0	4835.5	7917.5	9536.0
72.5°	252.2	254.9	328.7	519.5	627.7	530.5	723.5	3223.9	5988.2	7484.8
75°	170.9	174.3	221.2	381.0	503.7	405.1	383.1	1728.7	3515.4	4143.1
77.5°	104.7	106.1	142.6	260.4	376.9	308.7	246.7	732.4	1360.1	1335.3
80°	59.3	59.3	91.0	161.9	257.0	199.1	172.9	311.4	430.6	378.3
82.5°	33.1	33.8	66.1	100.6	170.2	117.8	95.1	144.0	186.0	164.7
85°	13.8	15.2	40.7	47.5	81.3	58.6	38.6	60.6	68.9	61.3
87.5°	1.4	2.1	12.4	9.0	9.6	11.7	5.5	11.7	9.6	9.6
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°
1585.4	0°	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4
1608.9	2.5°	1595.8	1585.4	1559.2	1528.9	1489.0	1469.7	1443.5	1425.6	1410.4	1411.8
1648.8	5°	1626.8	1600.6	1542.0	1469.0	1378.0	1313.3	1244.4	1196.8	1158.2	1150.0
1703.9	7.5°	1669.5	1628.1	1525.5	1393.9	1240.2	1123.8	1019.7	952.9	905.4	890.2
1770.8	10°	1724.6	1664.7	1504.1	1299.5	1078.3	930.2	818.6	766.2	733.8	722.8
1849.3	12.5°	1788.7	1706.7	1475.9	1184.4	911.6	768.9	698.0	671.8	661.5	658.0
1945.8	15°	1869.3	1759.1	1433.2	1048.0	770.3	670.4	640.1	636.7	638.0	636.7
2061.5	17.5°	1965.1	1816.2	1363.6	907.4	675.2	620.1	609.1	611.8	615.3	614.6
2191.1	20°	2069.8	1872.7	1274.7	782.7	610.5	584.3	578.1	580.8	583.6	582.2
2340.6	22.5°	2189.0	1933.4	1176.1	685.6	567.1	551.2	544.3	545.0	545.0	542.3
2530.1	25°	2331.6	2000.2	1072.8	616.7	534.0	521.6	513.3	510.6	506.4	498.2
2760.2	27.5°	2501.8	2071.2	973.6	568.4	507.8	496.1	486.4	479.6	469.2	455.4
3036.5	30°	2693.4	2157.3	889.5	538.1	487.1	475.4	464.4	454.1	438.9	421.7
3354.1	32.5°	2918.7	2249.6	828.2	518.1	468.5	456.1	443.0	430.6	414.1	396.9
3711.0	35°	3187.4	2361.3	792.4	504.4	454.1	437.5	423.1	409.3	396.9	381.7
4099.0	37.5°	3478.8	2479.8	781.3	497.5	444.4	418.9	402.4	392.7	391.4	382.4
4518.6	40°	3797.9	2620.3	789.6	493.3	434.1	401.0	383.1	381.0	384.5	368.6
4967.1	42.5°	4135.5	2787.1	803.4	488.5	419.6	383.1	365.9	365.9	363.1	341.1
5441.2	45°	4500.7	2979.3	817.2	476.8	402.4	365.2	352.1	347.3	335.6	314.2
5918.0	47.5°	4868.6	3175.0	827.5	455.4	381.7	350.0	338.3	327.3	310.1	290.8
6385.8	50°	5217.9	3350.7	816.5	423.7	358.3	335.6	323.1	308.0	289.4	276.3
6828.8	52.5°	5530.0	3503.0	769.6	386.5	333.5	320.4	309.4	293.5	278.4	264.6
7228.5	55°	5801.5	3626.3	686.9	351.4	311.4	307.3	296.3	276.3	255.6	243.9
7624.6	57.5°	6062.0	3720.0	583.6	322.5	291.5	292.8	276.3	258.4	239.1	226.7
8158.6	60°	6408.5	3845.4	478.9	295.6	270.1	274.2	256.3	243.2	219.1	203.3
9074.3	62.5°	6962.5	4040.4	380.3	262.5	245.3	246.7	239.1	223.2	194.3	175.7
9753.0	65°	7402.1	3968.7	299.7	226.7	217.0	219.1	219.1	201.9	170.9	149.5
9789.5	67.5°	7352.5	3398.2	239.1	191.5	190.2	191.5	196.4	181.9	151.6	134.4
9044.0	70°	6773.0	2703.0	191.5	159.2	165.4	161.9	175.7	166.1	136.4	119.2
7011.4	72.5°	5526.6	1947.2	146.1	131.6	126.8	132.3	158.5	149.5	113.7	94.4
3713.8	75°	3229.4	1039.0	108.9	104.0	91.6	110.2	140.6	127.5	86.8	69.6
1138.3	77.5°	1051.4	362.4	79.9	76.5	68.2	88.9	119.9	107.5	71.0	55.1
333.5	80°	281.8	109.6	54.4	50.3	44.1	66.1	95.1	85.4	51.0	35.8
143.3	82.5°	113.0	46.2	31.7	28.2	24.1	45.5	75.1	68.9	37.9	22.7
44.8	85°	36.5	15.2	11.7	9.0	11.0	28.2	44.8	46.9	26.9	11.7
6.9	87.5°	4.8	2.1	2.1	2.8	2.1	4.8	13.8	13.1	7.6	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°
1585.4
1398.0
1131.4
875.0
714.5
655.9
636.0
613.2
581.5
540.9
496.8
454.1
420.3
397.6
380.3
381.7
369.3
341.1
313.5
290.1
274.2
263.2
242.5
225.3
201.2
174.3
147.4
131.6
117.1
92.3
67.5
53.1
35.1
22.7
9.0
0.0
0.0

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