

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: P847015

Luminaire Tested: **GLAN-SB2D-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847015
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-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 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: 10025 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

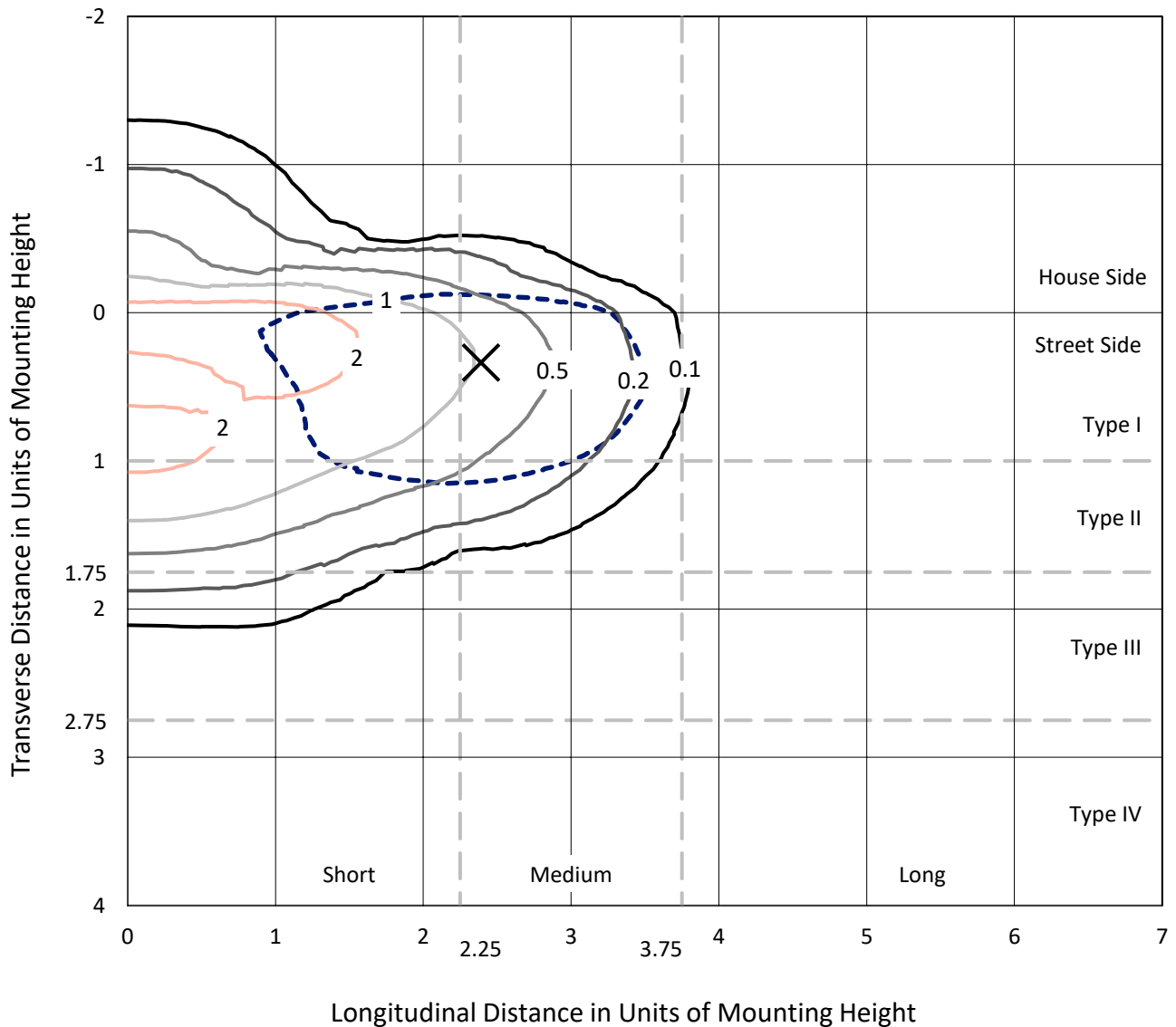
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

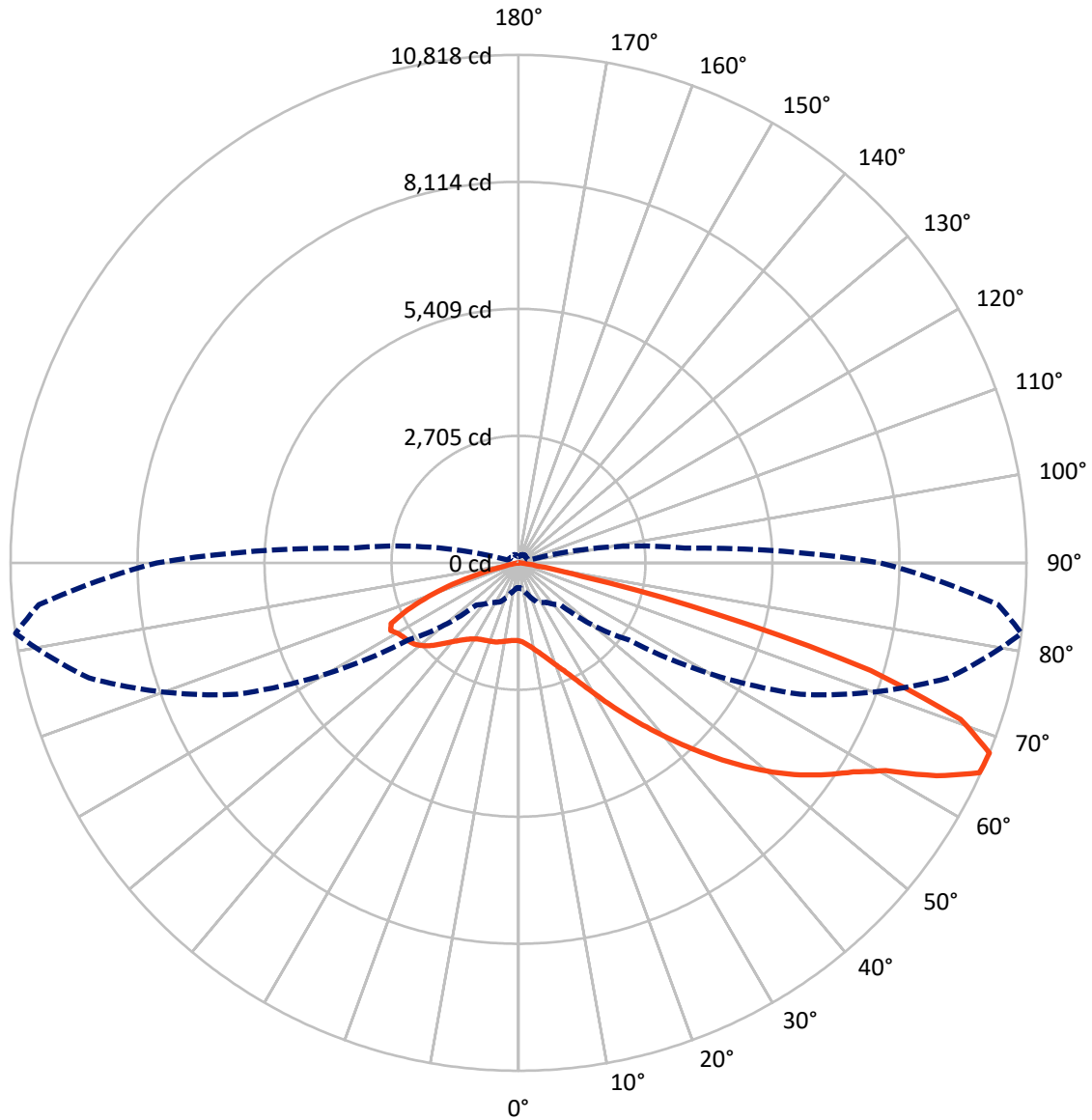
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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
House Side	Lumens	1815.9	0.0	1815.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	8209.1	0.0	8209.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	10025.0	0.0	10025.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.0	1.5
10°-20°	384.5	3.8
20°-30°	615.8	6.1
30°-40°	1089.0	10.9
40°-50°	1908.1	19.0
50°-60°	2544.8	25.4
60°-70°	2369.1	23.6
70°-80°	909.2	9.1
80°-90°	56.5	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°	10025.0	100.0
0°-180°	10025.0	100.0

Coefficient of Utilization

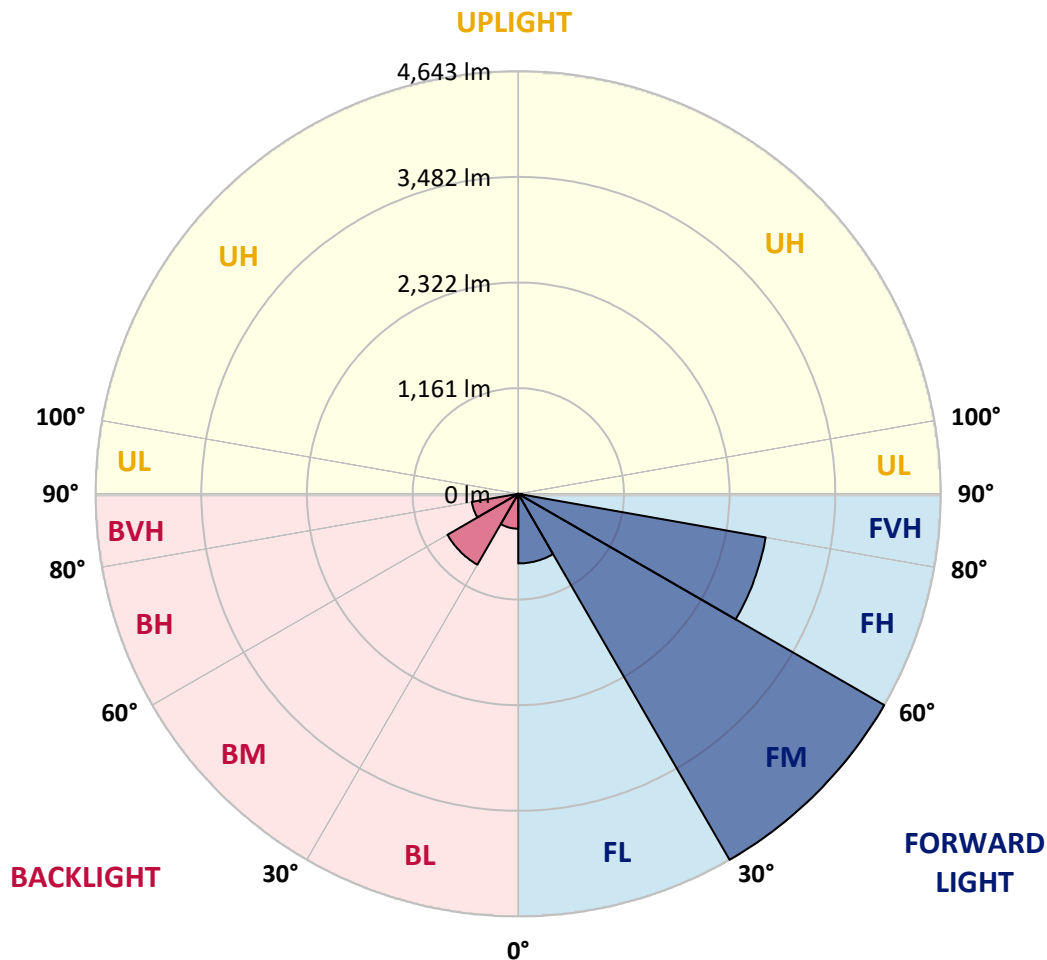


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	764.8	7.6			
FM (30°-60°)	4643.2	46.3			
FH (60°-80°)	2760.0	27.5			G2/5000
FVH (80°-90°)	41.1	0.4			G1/100
BL (0°-30°)	383.5	3.8	B1/500		
BM (30°-60°)	898.7	9.0	B1/1000		
BH (60°-80°)	518.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	15.4	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°	1660.8	1660.8	1660.8	1660.8	1660.8	1660.8	1660.8	1660.8	1660.8	1660.8
2.5°	1755.4	1765.5	1759.7	1756.8	1751.7	1744.5	1738.8	1720.7	1701.9	1689.7
5°	1790.7	1800.8	1800.1	1803.0	1806.6	1808.8	1807.3	1787.1	1760.4	1739.5
7.5°	1760.4	1772.0	1781.3	1795.8	1821.0	1847.7	1860.7	1856.4	1829.0	1800.1
10°	1674.5	1686.8	1709.2	1743.1	1796.5	1854.2	1902.6	1925.0	1907.7	1875.9
12.5°	1517.2	1529.4	1573.5	1647.1	1736.6	1836.9	1929.3	1989.2	1993.5	1961.8
15°	1340.3	1352.6	1399.5	1491.9	1628.3	1789.3	1943.7	2057.1	2095.3	2067.9
17.5°	1230.6	1241.5	1276.8	1351.2	1493.4	1694.0	1938.7	2129.2	2216.6	2194.9
20°	1197.4	1206.8	1223.4	1275.4	1393.7	1595.1	1905.5	2197.1	2347.2	2334.9
22.5°	1232.8	1241.5	1246.5	1269.6	1343.9	1530.2	1863.6	2266.4	2498.8	2500.2
25°	1314.4	1323.0	1317.2	1331.7	1364.2	1510.0	1847.7	2347.9	2689.3	2705.2
27.5°	1448.6	1449.3	1435.6	1434.9	1439.9	1540.3	1864.3	2435.3	2929.7	2959.3
30°	1717.8	1707.0	1654.3	1597.3	1571.3	1631.2	1910.5	2538.5	3213.3	3266.0
32.5°	2132.8	2117.0	2020.2	1883.8	1746.7	1777.7	1993.5	2656.1	3522.3	3617.5
35°	2583.2	2578.9	2477.9	2275.0	2035.4	1986.3	2128.5	2810.6	3859.3	4010.9
37.5°	3001.9	2999.7	2942.0	2703.0	2411.4	2277.2	2345.0	3012.7	4220.2	4439.6
40°	3384.4	3390.9	3333.2	3119.5	2825.7	2650.4	2639.5	3262.4	4621.5	4906.6
42.5°	3715.0	3722.2	3663.7	3505.7	3235.0	3063.2	3001.1	3568.5	5013.4	5408.3
45°	3939.4	3984.2	3975.5	3849.2	3655.1	3476.8	3435.6	3952.4	5460.2	5940.2
47.5°	4003.0	4044.1	4109.1	4126.4	4008.0	3832.6	3881.7	4415.1	5912.1	6472.9
50°	3846.3	3884.6	4019.6	4199.3	4281.6	4227.4	4315.5	4911.0	6374.7	7004.1
52.5°	3537.4	3576.4	3746.7	4031.1	4366.7	4537.1	4750.7	5399.6	6822.9	7507.2
55°	3090.6	3131.8	3350.5	3672.4	4204.3	4664.8	5113.8	5887.5	7233.6	7959.7
57.5°	2482.9	2513.2	2740.6	3191.0	3795.8	4537.8	5381.6	6420.2	7620.5	8404.3
60°	1618.2	1644.9	1909.1	2411.4	3118.8	4113.4	5435.0	7014.2	8134.4	8982.5
62.5°	1076.2	1094.2	1250.8	1619.7	2196.4	3298.5	5122.4	7488.4	8887.9	9988.6
65°	738.4	756.4	913.0	1170.0	1419.0	2181.9	4223.8	7425.6	9570.7	10787.6
67.5°	526.9	542.1	674.9	917.4	1027.1	1267.4	2863.3	6623.0	9472.6	10818.0
70°	377.5	386.1	495.9	714.6	816.3	761.5	1592.2	5065.4	8293.9	9989.4
72.5°	264.2	267.1	344.3	544.2	657.5	555.8	757.9	3377.2	6272.9	7840.6
75°	179.0	182.6	231.7	399.1	527.6	424.4	401.3	1810.9	3682.5	4340.0
77.5°	109.7	111.2	149.4	272.8	394.8	323.4	258.4	767.2	1424.8	1398.8
80°	62.1	62.1	95.3	169.6	269.2	208.6	181.2	326.2	451.1	396.3
82.5°	34.6	35.4	69.3	105.4	178.3	123.4	99.6	150.9	194.9	172.5
85°	14.4	15.9	42.6	49.8	85.2	61.4	40.4	63.5	72.2	64.2
87.5°	1.4	2.2	13.0	9.4	10.1	12.3	5.8	12.3	10.1	10.1
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°
1660.8	0°	1660.8	1660.8	1660.8	1660.8	1660.8	1660.8	1660.8	1660.8	1660.8	1660.8
1685.3	2.5°	1671.6	1660.8	1633.4	1601.6	1559.8	1539.5	1512.1	1493.4	1477.5	1478.9
1727.2	5°	1704.1	1676.7	1615.3	1538.8	1443.5	1375.7	1303.5	1253.7	1213.3	1204.6
1784.9	7.5°	1748.9	1705.6	1598.0	1460.1	1299.2	1177.2	1068.2	998.2	948.4	932.5
1855.0	10°	1806.6	1743.8	1575.6	1361.3	1129.6	974.4	857.5	802.6	768.7	757.1
1937.2	12.5°	1873.7	1787.8	1546.0	1240.7	954.9	805.5	731.2	703.7	692.9	689.3
2038.3	15°	1958.2	1842.7	1501.3	1097.8	806.9	702.3	670.5	666.9	668.4	666.9
2159.5	17.5°	2058.5	1902.6	1428.4	950.6	707.3	649.6	638.0	640.9	644.5	643.8
2295.2	20°	2168.2	1961.8	1335.3	819.9	639.5	612.1	605.6	608.5	611.3	609.9
2451.9	22.5°	2293.1	2025.3	1232.1	718.2	594.0	577.4	570.2	570.9	570.9	568.0
2650.4	25°	2442.5	2095.3	1123.8	646.0	559.4	546.4	537.7	534.8	530.5	521.8
2891.4	27.5°	2620.8	2169.7	1019.9	595.5	531.9	519.7	509.6	502.4	491.5	477.1
3180.9	30°	2821.4	2259.9	931.8	563.7	510.3	498.0	486.5	475.6	459.8	441.7
3513.6	32.5°	3057.4	2356.6	867.6	542.8	490.8	477.8	464.1	451.1	433.8	415.7
3887.5	35°	3338.9	2473.5	830.0	528.3	475.6	458.3	443.2	428.7	415.7	399.9
4293.8	37.5°	3644.2	2597.7	818.5	521.1	465.5	438.8	421.5	411.4	410.0	400.6
4733.4	40°	3978.4	2744.9	827.2	516.8	454.7	420.1	401.3	399.1	402.8	386.1
5203.3	42.5°	4332.1	2919.6	841.6	511.7	439.6	401.3	383.3	383.3	380.4	357.3
5699.9	45°	4714.6	3121.0	856.0	499.5	421.5	382.5	368.8	363.8	351.5	329.1
6199.3	47.5°	5100.1	3325.9	866.9	477.1	399.9	366.7	354.4	342.8	324.8	304.6
6689.4	50°	5466.0	3510.0	855.3	443.9	375.3	351.5	338.5	322.6	303.1	289.4
7153.5	52.5°	5793.0	3669.5	806.2	404.9	349.3	335.6	324.1	307.5	291.6	277.2
7572.1	55°	6077.3	3798.7	719.6	368.1	326.2	321.9	310.4	289.4	267.8	255.5
7987.2	57.5°	6350.2	3896.9	611.3	337.8	305.3	306.8	289.4	270.7	250.5	237.5
8546.5	60°	6713.2	4028.2	501.6	309.6	282.9	287.3	268.5	254.8	229.5	212.9
9505.8	62.5°	7293.5	4232.5	398.4	275.0	257.0	258.4	250.5	233.9	203.5	184.1
10216.7	65°	7754.0	4157.4	314.0	237.5	227.4	229.5	229.5	211.5	179.0	156.6
10255.0	67.5°	7702.1	3559.8	250.5	200.7	199.2	200.7	205.7	190.5	158.8	140.7
9474.0	70°	7095.0	2831.5	200.7	166.7	173.2	169.6	184.1	173.9	142.9	124.9
7344.8	72.5°	5789.4	2039.7	153.0	137.9	132.8	138.6	166.0	156.6	119.1	98.9
3890.4	75°	3383.0	1088.4	114.0	109.0	96.0	115.5	147.2	133.5	90.9	72.9
1192.4	77.5°	1101.4	379.7	83.7	80.1	71.5	93.1	125.6	112.6	74.3	57.7
349.3	80°	295.2	114.8	57.0	52.7	46.2	69.3	99.6	89.5	53.4	37.5
150.1	82.5°	118.4	48.4	33.2	29.6	25.3	47.6	78.7	72.2	39.7	23.8
46.9	85°	38.3	15.9	12.3	9.4	11.5	29.6	46.9	49.1	28.1	12.3
7.2	87.5°	5.1	2.2	2.2	2.9	2.2	5.1	14.4	13.7	7.9	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°
1660.8
1464.5
1185.2
916.7
748.5
687.1
666.2
642.4
609.2
566.6
520.4
475.6
440.3
416.5
398.4
399.9
386.9
357.3
328.4
303.9
287.3
275.7
254.1
236.0
210.8
182.6
154.5
137.9
122.7
96.7
70.7
55.6
36.8
23.8
9.4
0.0
0.0

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