

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: P847865

Luminaire Tested: **GLAN-SB4A-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847865
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-SB4A-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 350mA 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: 8857 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

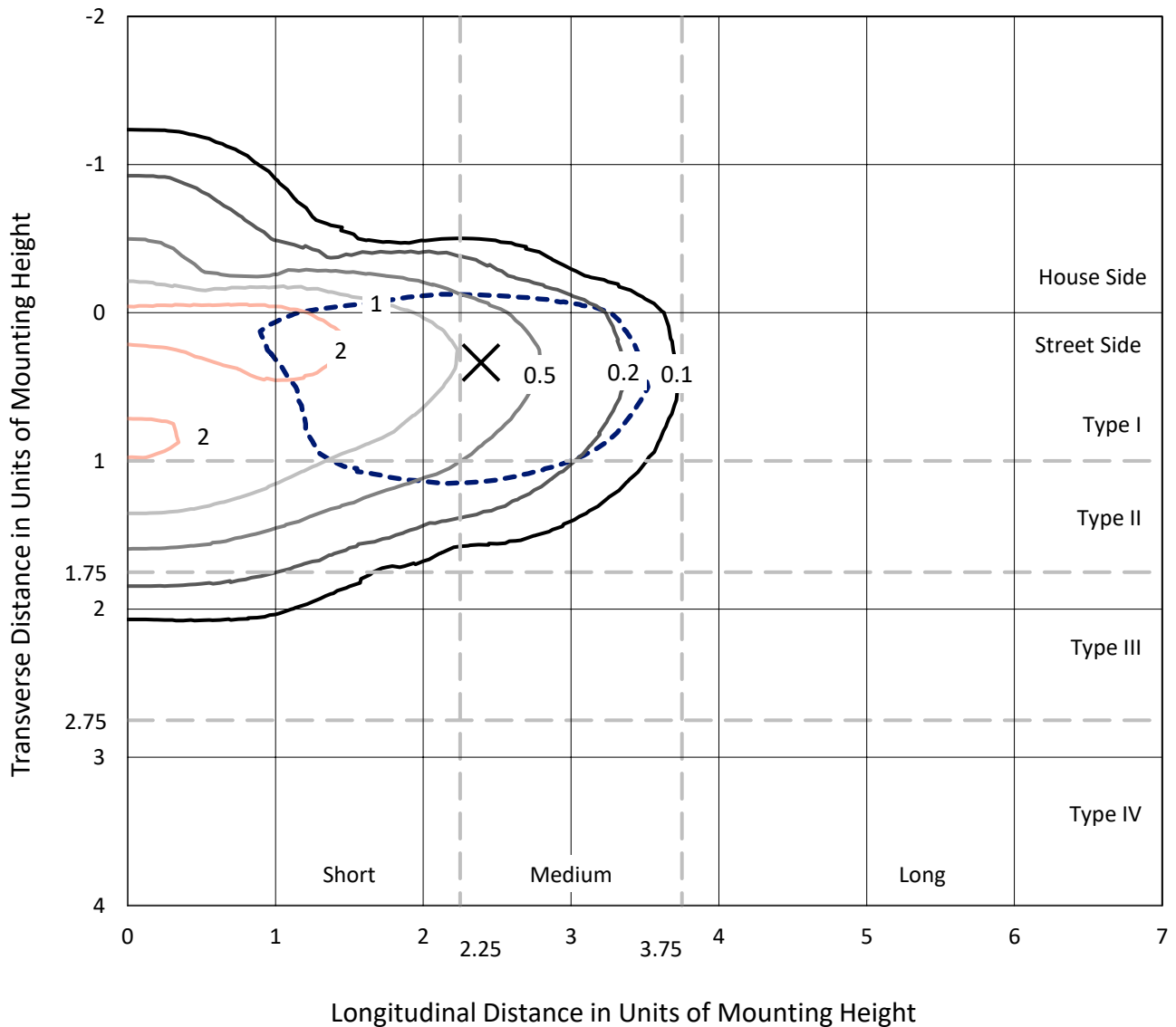
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

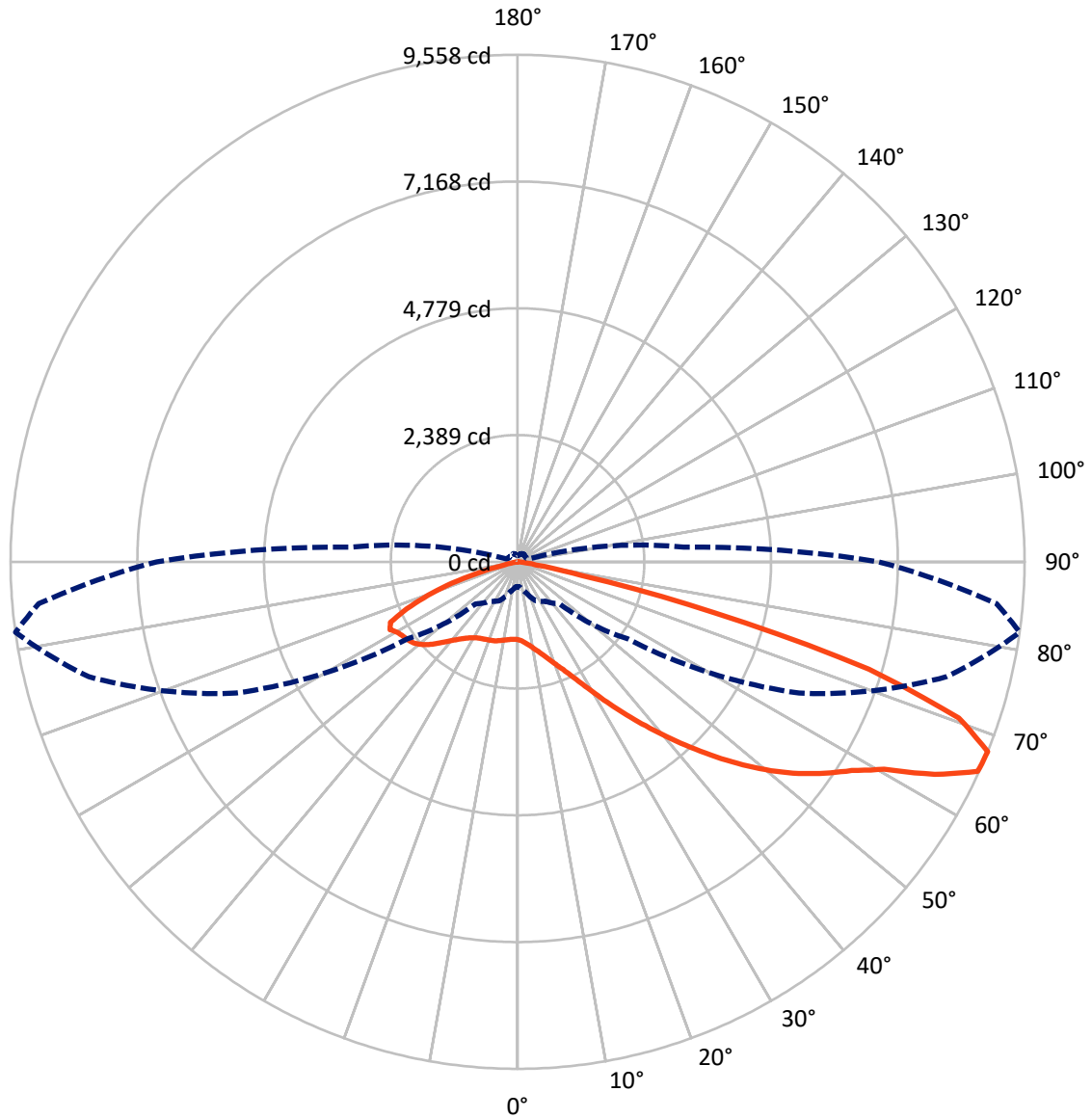
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	1604.4	0.0	1604.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	7252.6	0.0	7252.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	8857.0	0.0	8857.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.7	1.5
10°-20°	339.7	3.8
20°-30°	544.1	6.1
30°-40°	962.1	10.9
40°-50°	1685.7	19.0
50°-60°	2248.3	25.4
60°-70°	2093.1	23.6
70°-80°	803.3	9.1
80°-90°	49.9	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°	8857.0	100.0
0°-180°	8857.0	100.0

Coefficient of Utilization

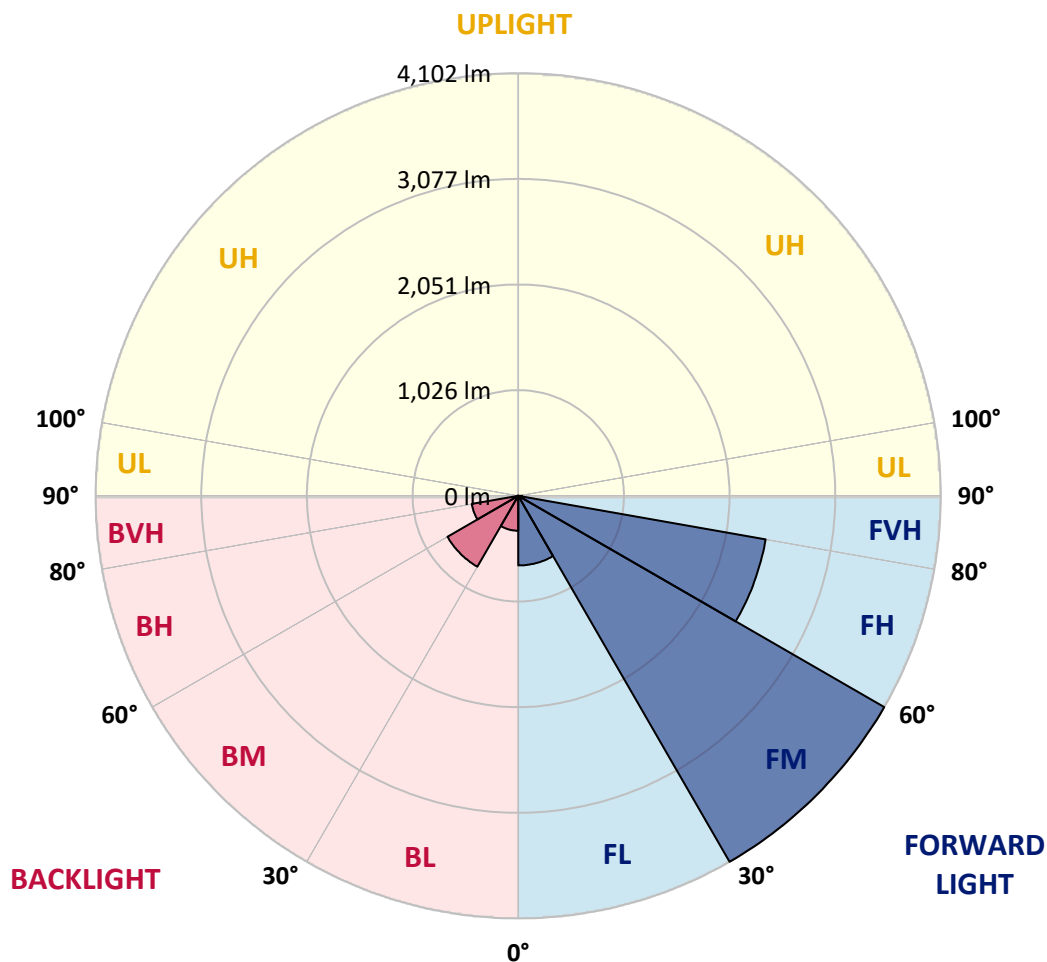


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	675.7	7.6			
FM (30°-60°)	4102.2	46.3			
FH (60°-80°)	2438.5	27.5			G2/5000
FVH (80°-90°)	36.3	0.4			G1/100
BL (0°-30°)	338.8	3.8	B1/500		
BM (30°-60°)	794.0	9.0	B1/1000		
BH (60°-80°)	457.9	5.2	B1/500		G1/500
BVH (80°-90°)	13.6	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°	1467.3	1467.3	1467.3	1467.3	1467.3	1467.3	1467.3	1467.3	1467.3	1467.3
2.5°	1550.8	1559.8	1554.7	1552.1	1547.7	1541.3	1536.2	1520.2	1503.7	1492.8
5°	1582.1	1591.0	1590.4	1592.9	1596.1	1598.0	1596.8	1578.9	1555.3	1536.8
7.5°	1555.3	1565.5	1573.8	1586.6	1608.9	1632.5	1643.9	1640.1	1615.9	1590.4
10°	1479.4	1490.3	1510.0	1540.0	1587.2	1638.2	1680.9	1700.7	1685.4	1657.3
12.5°	1340.4	1351.2	1390.1	1455.2	1534.3	1622.9	1704.5	1757.5	1761.3	1733.2
15°	1184.2	1195.0	1236.5	1318.1	1438.6	1580.8	1717.3	1817.4	1851.2	1827.0
17.5°	1087.2	1096.8	1128.1	1193.7	1319.4	1496.6	1712.8	1881.2	1958.3	1939.2
20°	1057.9	1066.2	1080.9	1126.8	1231.4	1409.3	1683.5	1941.1	2073.7	2062.9
22.5°	1089.2	1096.8	1101.3	1121.7	1187.4	1351.9	1646.5	2002.3	2207.7	2208.9
25°	1161.2	1168.9	1163.8	1176.5	1205.2	1334.0	1632.5	2074.4	2376.0	2390.0
27.5°	1279.8	1280.5	1268.3	1267.7	1272.2	1360.8	1647.1	2151.5	2588.3	2614.5
30°	1517.7	1508.1	1461.6	1411.2	1388.2	1441.2	1687.9	2242.7	2839.0	2885.5
32.5°	1884.3	1870.3	1784.9	1664.3	1543.2	1570.6	1761.3	2346.7	3111.9	3196.1
35°	2282.3	2278.4	2189.2	2010.0	1798.3	1754.9	1880.5	2483.1	3409.7	3543.6
37.5°	2652.1	2650.2	2599.2	2388.1	2130.5	2011.9	2071.8	2661.7	3728.5	3922.4
40°	2990.1	2995.8	2944.8	2756.1	2496.5	2341.6	2332.0	2882.3	4083.1	4335.0
42.5°	3282.1	3288.5	3236.9	3097.2	2858.1	2706.3	2651.5	3152.7	4429.3	4778.1
45°	3480.5	3520.0	3512.3	3400.8	3229.2	3071.7	3035.4	3491.9	4824.1	5248.1
47.5°	3536.6	3572.9	3630.3	3645.6	3541.0	3386.1	3429.5	3900.7	5223.2	5718.7
50°	3398.2	3432.0	3551.2	3710.0	3782.7	3734.9	3812.7	4338.8	5632.0	6188.1
52.5°	3125.3	3159.7	3310.2	3561.5	3858.0	4008.5	4197.2	4770.5	6028.0	6632.5
55°	2730.6	2766.9	2960.1	3244.5	3714.5	4121.3	4518.0	5201.6	6390.8	7032.4
57.5°	2193.6	2220.4	2421.3	2819.2	3353.6	4009.1	4754.6	5672.2	6732.6	7425.2
60°	1429.7	1453.3	1686.7	2130.5	2755.4	3634.1	4801.7	6197.0	7186.7	7935.9
62.5°	950.8	966.7	1105.1	1431.0	1940.5	2914.2	4525.6	6615.9	7852.4	8824.9
65°	652.3	668.3	806.7	1033.7	1253.7	1927.7	3731.7	6560.5	8455.7	9530.8
67.5°	465.5	478.9	596.2	810.5	907.4	1119.8	2529.7	5851.4	8368.9	9557.6
70°	333.5	341.2	438.1	631.3	721.2	672.8	1406.7	4475.2	7327.6	8825.5
72.5°	233.4	235.9	304.2	480.8	580.9	491.0	669.6	2983.7	5542.1	6927.1
75°	158.1	161.3	204.7	352.6	466.1	375.0	354.6	1599.9	3253.5	3834.4
77.5°	96.9	98.2	132.0	241.0	348.8	285.7	228.3	677.9	1258.8	1235.8
80°	54.8	54.8	84.2	149.9	237.9	184.3	160.1	288.2	398.6	350.1
82.5°	30.6	31.2	61.2	93.1	157.5	109.0	88.0	133.3	172.2	152.4
85°	12.8	14.0	37.6	44.0	75.2	54.2	35.7	56.1	63.8	56.8
87.5°	1.3	1.9	11.5	8.3	8.9	10.8	5.1	10.8	8.9	8.9
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°
1467.3	0°	1467.3	1467.3	1467.3	1467.3	1467.3	1467.3	1467.3	1467.3	1467.3	1467.3
1489.0	2.5°	1476.9	1467.3	1443.1	1415.0	1378.0	1360.2	1335.9	1319.4	1305.3	1306.6
1526.0	5°	1505.6	1481.3	1427.1	1359.5	1275.4	1215.4	1151.7	1107.7	1071.9	1064.3
1577.0	7.5°	1545.1	1506.8	1411.8	1290.0	1147.8	1040.1	943.8	881.9	837.9	823.9
1638.8	10°	1596.1	1540.6	1392.1	1202.7	998.0	860.9	757.6	709.1	679.1	668.9
1711.5	12.5°	1655.4	1579.5	1365.9	1096.2	843.7	711.7	646.0	621.7	612.2	609.0
1800.8	15°	1730.0	1628.0	1326.4	969.9	712.9	620.5	592.4	589.2	590.5	589.2
1907.9	17.5°	1818.7	1680.9	1262.0	839.8	624.9	573.9	563.7	566.3	569.4	568.8
2027.8	20°	1915.6	1733.2	1179.7	724.4	565.0	540.8	535.0	537.6	540.1	538.8
2166.2	22.5°	2025.9	1789.3	1088.5	634.5	524.8	510.1	503.8	504.4	504.4	501.9
2341.6	25°	2157.9	1851.2	992.9	570.7	494.2	482.7	475.1	472.5	468.7	461.0
2554.6	27.5°	2315.4	1916.9	901.0	526.1	470.0	459.1	450.2	443.8	434.3	421.5
2810.3	30°	2492.7	1996.6	823.2	498.0	450.8	440.0	429.8	420.2	406.2	390.3
3104.2	32.5°	2701.2	2082.0	766.5	479.5	433.6	422.1	410.0	398.6	383.2	367.3
3434.6	35°	2949.9	2185.3	733.3	466.8	420.2	404.9	391.5	378.8	367.3	353.3
3793.6	37.5°	3219.7	2295.0	723.1	460.4	411.3	387.7	372.4	363.5	362.2	353.9
4181.9	40°	3514.9	2425.1	730.8	456.6	401.7	371.1	354.6	352.6	355.8	341.2
4597.0	42.5°	3827.4	2579.4	743.5	452.1	388.3	354.6	338.6	338.6	336.1	315.7
5035.8	45°	4165.3	2757.3	756.3	441.3	372.4	338.0	325.9	321.4	310.6	290.8
5477.0	47.5°	4505.9	2938.4	765.9	421.5	353.3	323.9	313.1	302.9	287.0	269.1
5910.0	50°	4829.2	3101.0	755.7	392.2	331.6	310.6	299.1	285.0	267.8	255.7
6320.1	52.5°	5118.0	3242.0	712.3	357.7	308.6	296.5	286.3	271.7	257.6	244.9
6689.9	55°	5369.3	3356.1	635.8	325.2	288.2	284.4	274.2	255.7	236.6	225.7
7056.6	57.5°	5610.3	3442.8	540.1	298.4	269.7	271.0	255.7	239.1	221.3	209.8
7550.8	60°	5931.1	3558.9	443.2	273.6	250.0	253.8	237.2	225.1	202.8	188.1
8398.3	62.5°	6443.8	3739.4	352.0	243.0	227.0	228.3	221.3	206.6	179.8	162.6
9026.4	65°	6850.6	3673.0	277.4	209.8	200.9	202.8	202.8	186.8	158.1	138.4
9060.2	67.5°	6804.7	3145.0	221.3	177.3	176.0	177.3	181.7	168.3	140.3	124.3
8370.2	70°	6268.4	2501.6	177.3	147.3	153.0	149.9	162.6	153.7	126.3	110.3
6489.0	72.5°	5114.8	1802.1	135.2	121.8	117.3	122.4	146.7	138.4	105.2	87.4
3437.1	75°	2988.8	961.6	100.8	96.3	84.8	102.0	130.1	118.0	80.3	64.4
1053.4	77.5°	973.1	335.4	74.0	70.8	63.1	82.3	111.0	99.5	65.7	51.0
308.6	80°	260.8	101.4	50.4	46.6	40.8	61.2	88.0	79.1	47.2	33.2
132.6	82.5°	104.6	42.7	29.3	26.1	22.3	42.1	69.5	63.8	35.1	21.0
41.4	85°	33.8	14.0	10.8	8.3	10.2	26.1	41.4	43.4	24.9	10.8
6.4	87.5°	4.5	1.9	1.9	2.6	1.9	4.5	12.8	12.1	7.0	1.3
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°
1467.3
1293.9
1047.1
809.9
661.3
607.1
588.6
567.5
538.2
500.6
459.8
420.2
389.0
367.9
352.0
353.3
341.8
315.7
290.1
268.5
253.8
243.6
224.5
208.5
186.2
161.3
136.5
121.8
108.4
85.4
62.5
49.1
32.5
21.0
8.3
0.0
0.0

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