

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: P846496

Luminaire Tested: **GLAN-SB2A-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5724 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

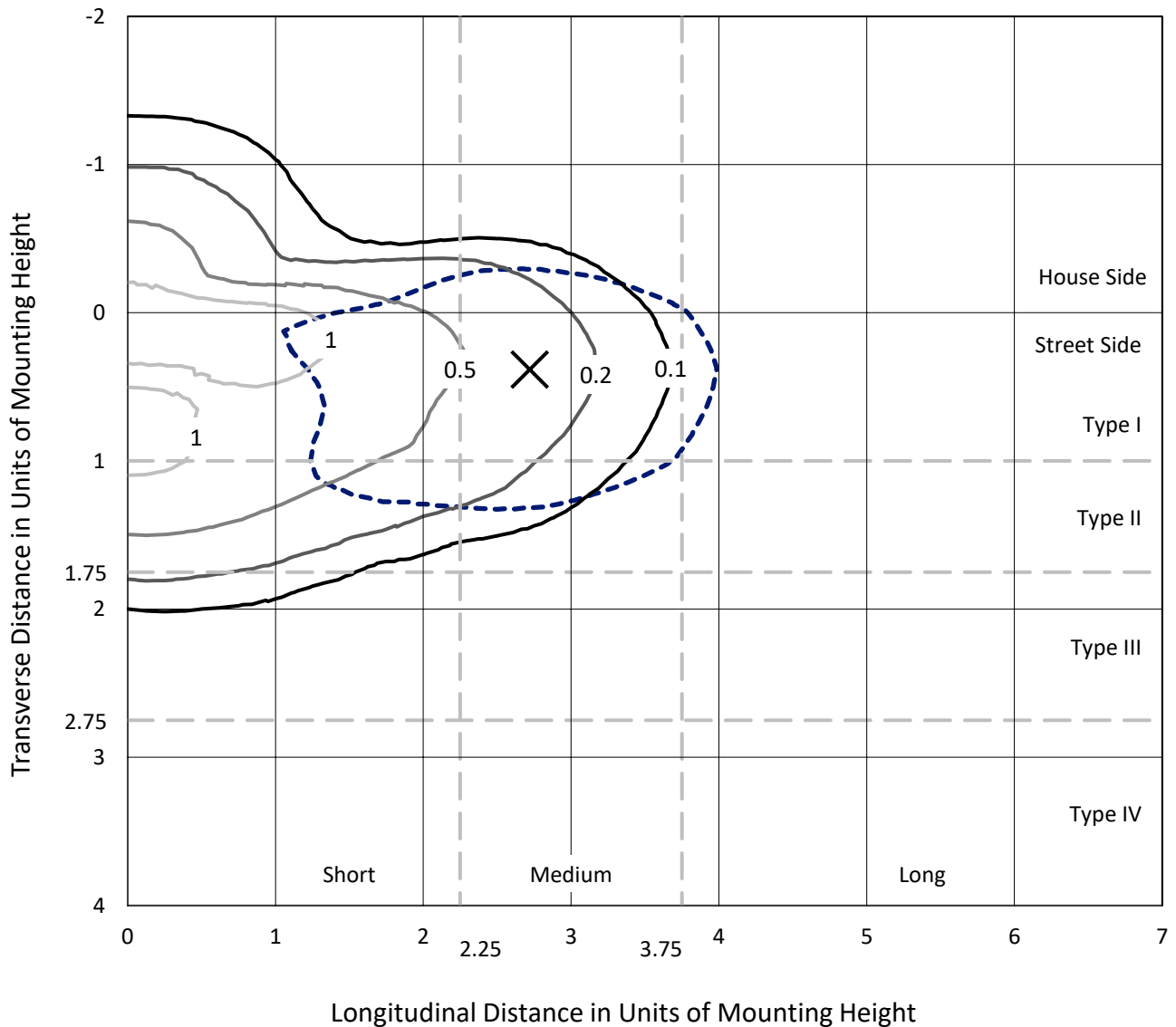
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

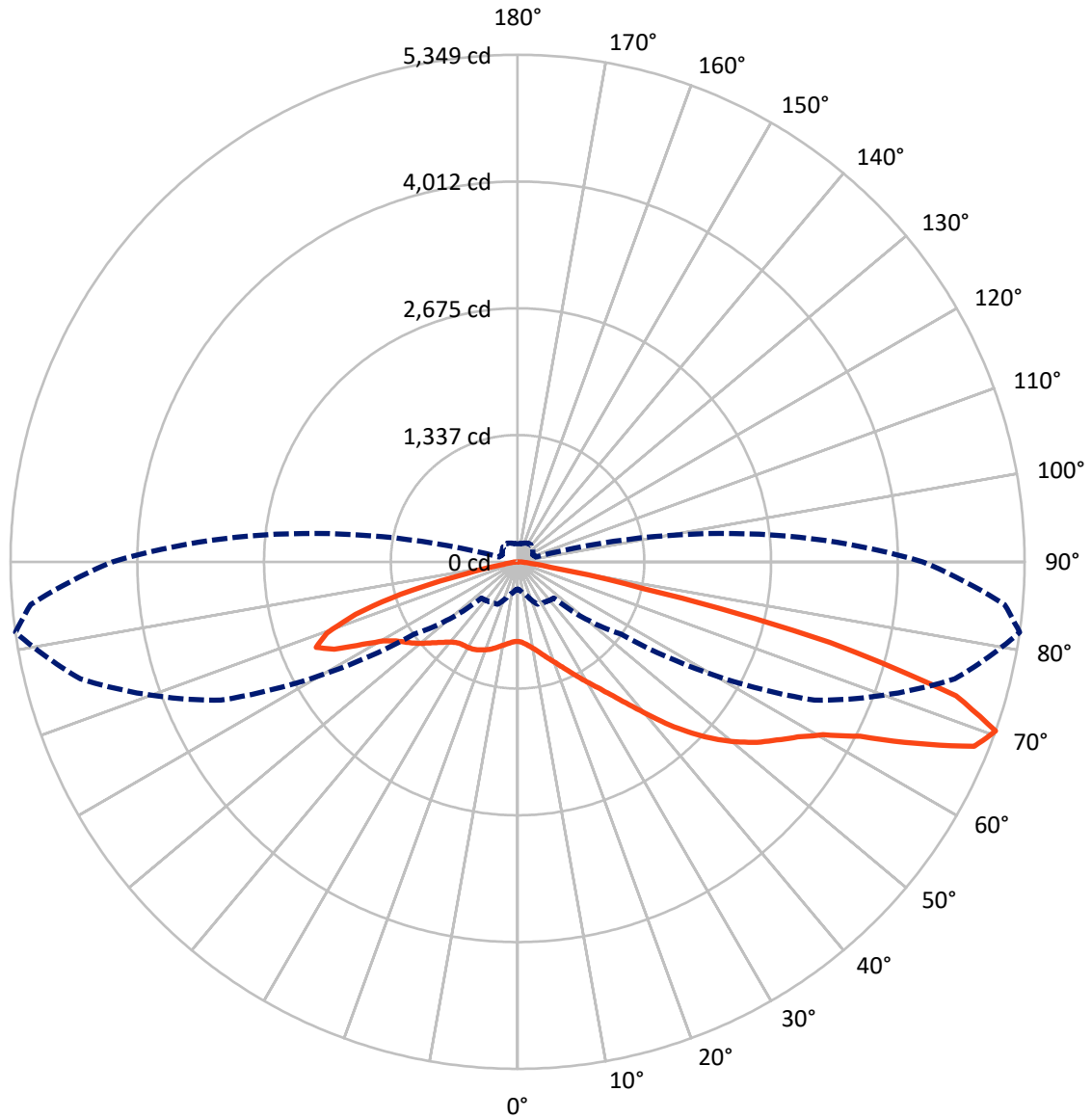
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1411.1	0.0	1411.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	4312.9	0.0	4312.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	5724.0	0.0	5724.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	1.4
10°-20°	227.7	4.0
20°-30°	380.8	6.7
30°-40°	595.0	10.4
40°-50°	947.5	16.6
50°-60°	1318.6	23.0
60°-70°	1379.3	24.1
70°-80°	720.9	12.6
80°-90°	74.9	1.3
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°	5724.0	100.0
0°-180°	5724.0	100.0

Coefficient of Utilization



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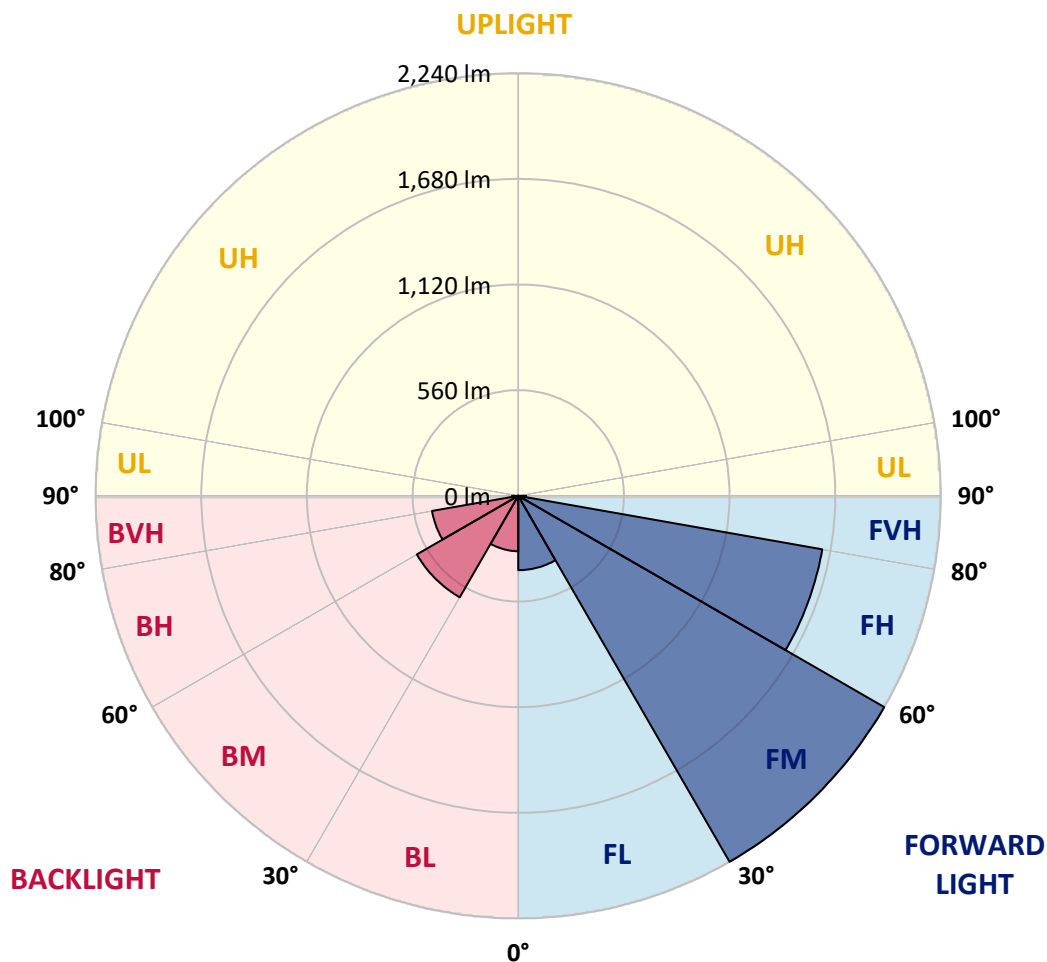
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.2	6.9			
FM (30°-60°)	2240.3	39.1			
FH (60°-80°)	1636.5	28.6			G1/1800
FVH (80°-90°)	41.9	0.7			G1/100
BL (0°-30°)	293.6	5.1	B1/500		
BM (30°-60°)	620.8	10.8	B1/1000		
BH (60°-80°)	463.8	8.1	B1/500		G1/500
BVH (80°-90°)	33.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2
2.5°	859.3	864.1	862.6	861.1	861.1	859.0	858.6	855.6	853.2	849.2
5°	870.2	875.4	874.7	876.0	879.9	880.8	881.7	879.9	875.1	870.2
7.5°	860.5	866.2	868.1	875.4	887.5	898.4	906.6	910.0	905.4	898.4
10°	827.7	834.0	840.4	857.7	879.3	905.1	927.0	940.0	939.1	932.5
12.5°	761.2	767.8	781.5	815.2	854.7	900.3	941.0	968.3	977.7	972.9
15°	708.0	713.8	724.1	758.7	810.1	879.3	946.1	999.3	1023.3	1020.5
17.5°	706.5	708.9	715.3	731.7	771.2	846.5	940.7	1029.6	1075.5	1075.2
20°	733.2	734.1	737.8	741.1	763.6	821.6	926.7	1054.9	1134.1	1134.1
22.5°	770.3	769.7	773.3	770.3	781.2	819.5	917.9	1077.0	1199.4	1204.3
25°	825.8	822.8	821.9	814.9	817.0	839.2	927.6	1102.2	1276.9	1286.9
27.5°	900.0	895.1	891.8	875.7	870.2	879.9	957.4	1132.6	1363.1	1380.5
30°	996.5	987.7	982.9	954.9	935.2	936.7	1002.3	1173.0	1453.4	1481.3
32.5°	1128.4	1114.7	1101.6	1055.8	1019.6	1007.8	1060.3	1228.9	1551.2	1595.8
35°	1276.0	1265.0	1251.1	1180.3	1124.7	1097.4	1138.7	1307.0	1665.7	1736.4
37.5°	1418.1	1408.7	1415.4	1320.0	1248.3	1208.5	1241.4	1411.7	1806.9	1911.4
40°	1565.1	1557.8	1558.7	1467.6	1384.1	1339.5	1365.9	1543.3	1968.8	2119.4
42.5°	1724.9	1719.4	1701.2	1620.4	1526.6	1484.9	1509.2	1695.1	2142.5	2356.3
45°	1903.8	1900.4	1883.4	1790.8	1683.3	1636.5	1669.3	1862.8	2317.2	2579.3
47.5°	2058.4	2061.1	2059.0	1980.9	1869.5	1800.8	1840.0	2037.7	2479.7	2788.9
50°	2132.8	2147.1	2168.0	2143.7	2074.5	2004.6	2012.2	2206.6	2634.6	2985.4
52.5°	2093.9	2121.0	2178.1	2216.9	2243.7	2229.1	2208.7	2374.3	2780.4	3162.8
55°	1949.0	1987.0	2081.8	2175.6	2312.0	2418.0	2444.7	2560.2	2922.5	3318.9
57.5°	1685.1	1746.8	1831.8	2021.6	2251.3	2509.4	2719.9	2818.0	3073.2	3485.6
60°	1232.5	1315.2	1420.9	1703.3	2038.6	2460.5	2954.1	3214.1	3287.3	3701.6
62.5°	788.8	839.8	937.0	1203.1	1588.5	2209.9	3025.8	3709.2	3650.2	4055.7
65°	540.0	572.8	661.8	811.3	1026.9	1645.0	2833.8	4080.3	4226.7	4617.0
67.5°	392.4	417.3	493.3	624.2	669.1	973.5	2199.0	4063.3	4787.1	5195.3
70°	286.1	303.7	367.5	493.3	514.8	541.6	1332.2	3454.0	4775.0	5349.0
72.5°	212.0	224.2	267.0	382.7	416.7	365.7	659.4	2510.3	4103.1	4838.1
75°	153.4	162.5	194.1	292.8	333.5	278.5	328.9	1467.0	2862.1	3403.3
77.5°	117.2	124.2	144.9	214.4	267.0	209.0	204.1	674.9	1357.1	1363.8
80°	94.2	98.7	110.0	151.0	204.7	156.4	133.0	272.4	428.9	363.0
82.5°	69.3	76.8	92.9	106.0	146.4	107.8	81.1	137.6	163.1	140.3
85°	39.5	44.6	56.2	75.9	93.5	65.9	46.5	61.1	75.9	62.3
87.5°	14.0	18.2	19.7	29.8	40.7	27.3	17.9	17.6	24.9	18.5
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°
839.2	0°	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2
848.3	2.5°	845.3	843.8	837.7	829.5	821.0	812.8	810.1	804.3	800.3	798.2
868.1	5°	862.3	857.4	843.2	824.9	805.8	785.1	770.6	757.2	747.5	738.4
895.1	7.5°	886.6	878.1	853.5	821.6	787.6	753.3	727.7	708.3	695.2	686.7
926.7	10°	914.8	901.8	864.1	816.4	763.9	714.7	684.6	667.9	659.7	655.1
962.8	12.5°	947.3	928.8	875.1	804.6	727.7	671.6	650.9	646.0	646.3	646.6
1008.4	15°	987.4	961.6	883.9	778.8	680.7	638.4	634.8	642.7	650.9	654.8
1060.0	17.5°	1032.7	996.2	885.4	736.2	634.5	617.2	628.7	645.7	658.2	663.7
1117.7	20°	1081.3	1031.5	874.4	676.1	596.5	599.9	620.5	642.4	656.1	663.0
1183.6	22.5°	1136.9	1069.1	848.3	612.9	565.5	581.0	605.3	626.6	640.9	647.9
1261.1	25°	1200.3	1111.4	807.3	559.8	538.8	559.8	584.1	601.7	613.2	619.6
1347.7	27.5°	1270.8	1155.4	752.6	517.6	515.4	537.9	558.0	571.6	577.7	582.6
1439.7	30°	1341.6	1195.5	686.4	485.7	495.1	516.3	530.6	536.7	538.5	539.4
1542.3	32.5°	1418.1	1230.1	616.9	459.2	475.6	495.4	503.9	506.6	498.1	492.3
1666.9	35°	1510.8	1267.2	548.8	438.3	456.5	473.5	476.3	473.8	463.8	452.0
1823.0	37.5°	1625.3	1313.3	494.5	423.4	438.6	449.8	446.5	445.9	446.8	432.8
2010.7	40°	1765.6	1373.5	454.7	411.9	424.0	426.4	417.0	422.2	426.7	405.5
2216.6	42.5°	1921.4	1446.1	429.5	404.0	411.9	406.1	391.5	397.3	396.7	368.7
2423.5	45°	2080.3	1525.0	420.7	398.2	400.6	389.1	373.0	374.5	361.7	336.5
2621.8	47.5°	2238.2	1609.8	426.1	393.3	386.7	373.6	361.1	354.5	335.6	316.8
2811.9	50°	2393.1	1698.8	446.2	383.6	367.5	359.9	350.8	339.0	318.9	302.8
2991.8	52.5°	2536.8	1788.4	468.7	367.5	343.5	348.1	342.3	328.6	308.9	292.5
3161.8	55°	2672.8	1878.0	477.5	345.3	321.0	337.7	334.4	309.2	285.5	272.1
3339.8	57.5°	2821.1	1985.8	467.7	317.1	302.8	325.9	313.1	285.2	271.5	261.5
3571.6	60°	3026.4	2155.0	446.8	282.2	285.5	308.3	286.4	274.9	260.0	248.8
3919.0	62.5°	3367.5	2470.6	413.1	247.5	265.2	282.2	273.7	262.1	246.9	236.0
4513.1	65°	3871.7	2909.1	349.6	220.5	242.4	256.7	260.0	248.5	232.7	221.1
5033.7	67.5°	4296.9	3184.3	264.6	198.0	219.0	236.0	245.4	234.2	217.5	206.2
5155.5	70°	4273.5	2984.5	202.0	175.9	198.3	215.6	227.8	219.0	201.1	190.4
4682.9	72.5°	3795.7	2496.7	163.4	153.4	177.4	194.4	209.0	202.3	184.1	173.7
3430.6	75°	2788.6	1772.3	130.6	130.6	151.3	172.2	188.3	184.1	167.4	160.1
1440.3	77.5°	1175.4	743.5	102.4	108.4	125.7	147.9	168.0	169.5	154.9	164.0
380.9	80°	312.5	205.0	78.1	85.3	98.7	122.1	146.1	145.5	129.7	121.2
141.5	82.5°	119.1	80.8	55.6	60.1	71.4	93.5	115.7	119.4	103.6	89.6
55.6	85°	45.9	34.6	34.3	36.1	41.6	62.0	87.5	90.5	78.1	66.2
15.5	87.5°	11.8	10.3	12.8	12.1	19.1	33.1	50.1	51.9	47.7	27.6
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°
839.2
800.6
742.0
688.6
656.4
647.3
654.5
664.9
664.9
649.7
621.4
584.4
541.6
494.2
452.6
433.7
406.1
368.4
337.4
316.8
301.6
292.8
270.9
260.6
248.1
236.0
221.7
206.5
191.4
173.7
157.9
148.8
112.7
89.6
68.3
39.5
0.0

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