

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: P846495

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

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846495
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-SB2A-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 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: 4219 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

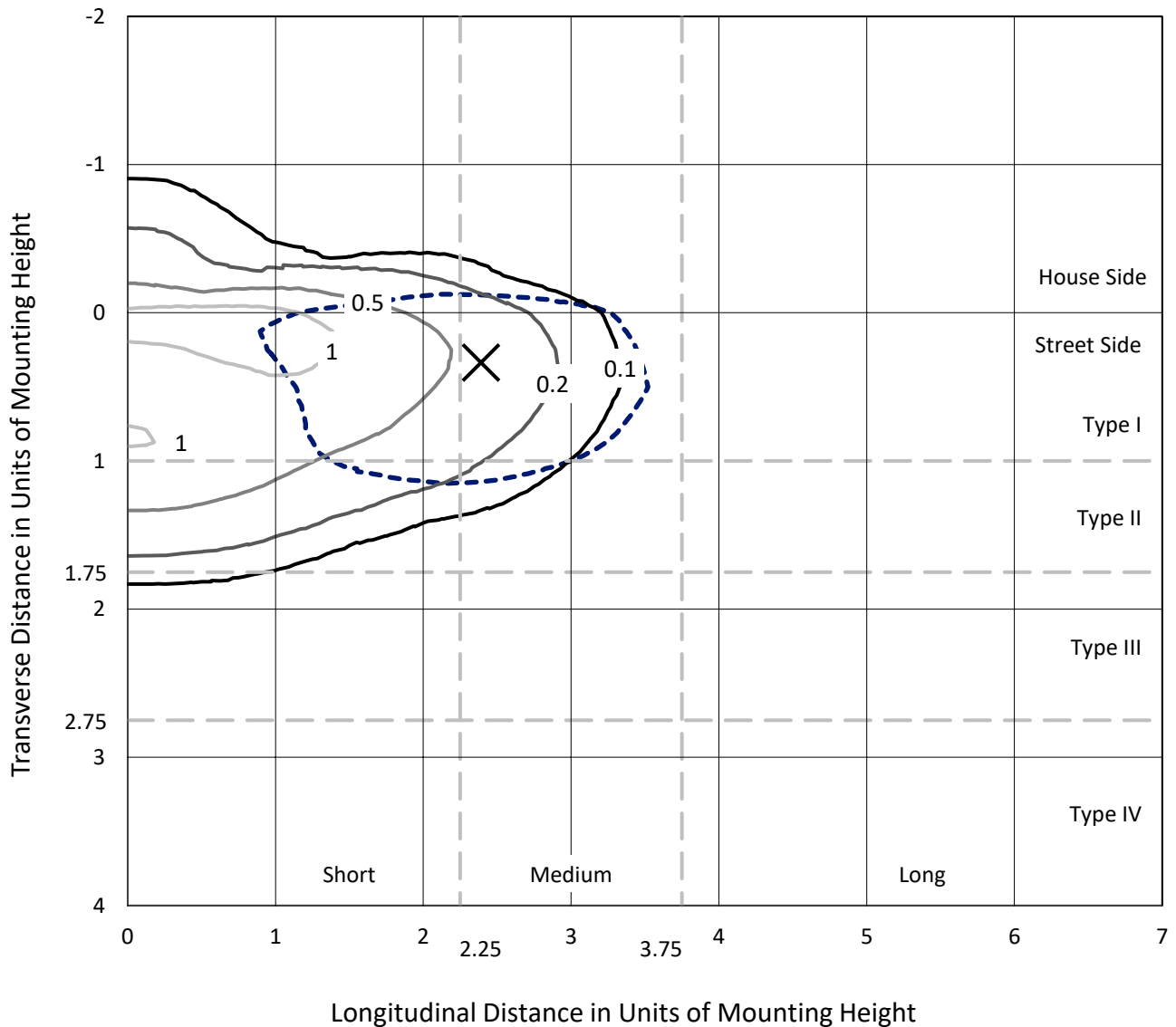
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

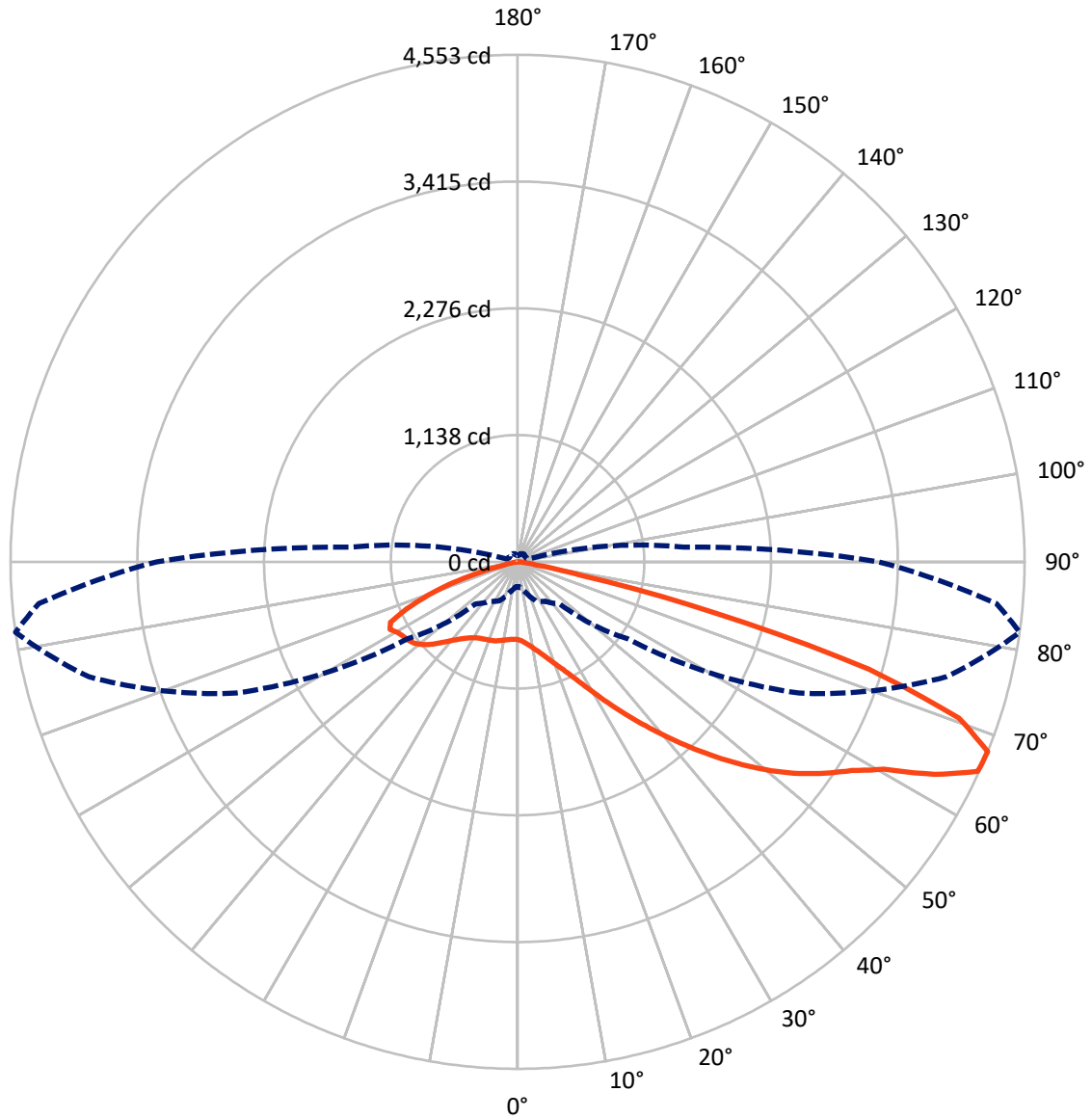
× Max cd
 - - - 1/2 Max cd



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 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	764.2	0.0	764.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3454.8	0.0	3454.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	4219.0	0.0	4219.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	1.5
10°-20°	161.8	3.8
20°-30°	259.2	6.1
30°-40°	458.3	10.9
40°-50°	803.0	19.0
50°-60°	1071.0	25.4
60°-70°	997.0	23.6
70°-80°	382.7	9.1
80°-90°	23.8	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°	4219.0	100.0
0°-180°	4219.0	100.0

Coefficient of Utilization

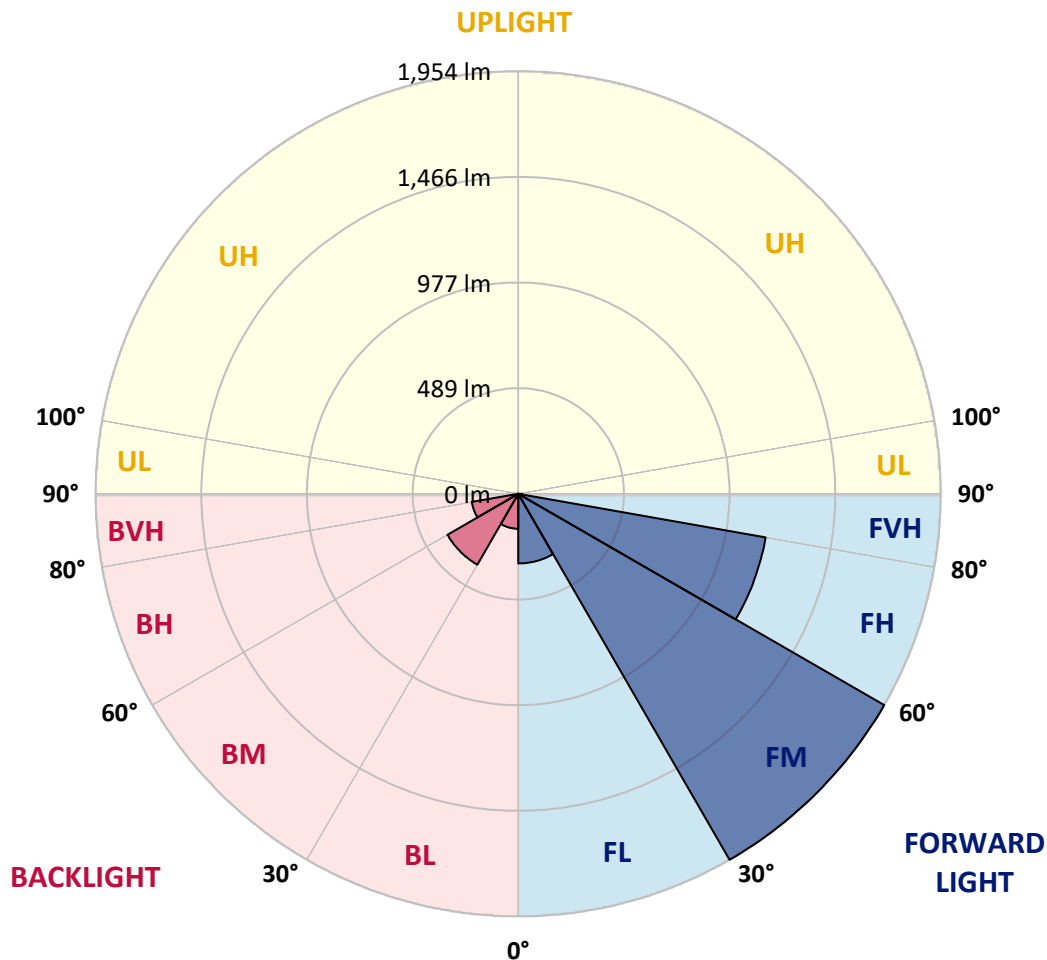


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	321.9	7.6			
FM (30°-60°)	1954.1	46.3			
FH (60°-80°)	1161.6	27.5			G1/1800
FVH (80°-90°)	17.3	0.4			G1/100
BL (0°-30°)	161.4	3.8	B1/500		
BM (30°-60°)	378.2	9.0	B1/1000		
BH (60°-80°)	218.1	5.2	B1/500		G1/500
BVH (80°-90°)	6.5	0.2			G0/10
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°	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9
2.5°	738.7	743.0	740.6	739.3	737.2	734.2	731.8	724.2	716.3	711.1
5°	753.6	757.9	757.6	758.8	760.3	761.2	760.6	752.1	740.9	732.1
7.5°	740.9	745.7	749.7	755.7	766.4	777.6	783.1	781.3	769.7	757.6
10°	704.7	709.9	719.3	733.6	756.1	780.4	800.7	810.1	802.8	789.5
12.5°	638.5	643.7	662.2	693.2	730.8	773.1	811.9	837.2	839.0	825.6
15°	564.1	569.2	589.0	627.9	685.3	753.0	818.0	865.7	881.8	870.3
17.5°	517.9	522.5	537.3	568.6	628.5	712.9	815.9	896.1	932.8	923.7
20°	503.9	507.9	514.9	536.7	586.6	671.3	801.9	924.6	987.8	982.7
22.5°	518.8	522.5	524.6	534.3	565.6	644.0	784.3	953.8	1051.6	1052.2
25°	553.1	556.8	554.4	560.4	574.1	635.5	777.6	988.1	1131.8	1138.5
27.5°	609.6	609.9	604.2	603.9	606.0	648.2	784.6	1024.9	1233.0	1245.4
30°	722.9	718.4	696.2	672.2	661.3	686.5	804.0	1068.3	1352.3	1374.5
32.5°	897.6	890.9	850.2	792.8	735.1	748.2	839.0	1117.8	1482.3	1522.4
35°	1087.1	1085.3	1042.8	957.4	856.6	835.9	895.8	1182.8	1624.2	1688.0
37.5°	1263.3	1262.4	1238.1	1137.6	1014.9	958.4	986.9	1267.9	1776.1	1868.4
40°	1424.3	1427.1	1402.8	1312.8	1189.2	1115.4	1110.8	1373.0	1945.0	2064.9
42.5°	1563.4	1566.5	1541.9	1475.3	1361.4	1289.1	1263.0	1501.8	2109.9	2276.1
45°	1657.9	1676.7	1673.1	1619.9	1538.2	1463.2	1445.9	1663.4	2297.9	2499.9
47.5°	1684.6	1702.0	1729.3	1736.6	1686.8	1613.0	1633.6	1858.1	2488.1	2724.1
50°	1618.7	1634.8	1691.6	1767.3	1801.9	1779.1	1816.2	2066.8	2682.8	2947.7
52.5°	1488.7	1505.1	1576.8	1696.5	1837.7	1909.4	1999.3	2272.4	2871.4	3159.4
55°	1300.7	1318.0	1410.0	1545.5	1769.4	1963.2	2152.1	2477.7	3044.3	3349.8
57.5°	1044.9	1057.7	1153.4	1342.9	1597.5	1909.7	2264.8	2701.9	3207.1	3536.9
60°	681.0	692.3	803.4	1014.9	1312.5	1731.1	2287.3	2951.9	3423.3	3780.3
62.5°	452.9	460.5	526.4	681.6	924.3	1388.2	2155.8	3151.5	3740.5	4203.7
65°	310.7	318.3	384.3	492.4	597.2	918.3	1777.6	3125.1	4027.8	4540.0
67.5°	221.7	228.1	284.0	386.1	432.2	533.4	1205.0	2787.3	3986.5	4552.7
70°	158.9	162.5	208.7	300.7	343.5	320.5	670.1	2131.8	3490.5	4204.0
72.5°	111.2	112.4	144.9	229.0	276.7	233.9	318.9	1421.3	2640.0	3299.7
75°	75.3	76.9	97.5	168.0	222.0	178.6	168.9	762.1	1549.8	1826.5
77.5°	46.2	46.8	62.9	114.8	166.2	136.1	108.7	322.9	599.6	588.7
80°	26.1	26.1	40.1	71.4	113.3	87.8	76.2	137.3	189.8	166.8
82.5°	14.6	14.9	29.2	44.3	75.0	51.9	41.9	63.5	82.0	72.6
85°	6.1	6.7	17.9	21.0	35.8	25.8	17.0	26.7	30.4	27.0
87.5°	0.6	0.9	5.5	3.9	4.3	5.2	2.4	5.2	4.3	4.3
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°
698.9	0°	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9
709.3	2.5°	703.5	698.9	687.4	674.0	656.4	647.9	636.4	628.5	621.8	622.4
726.9	5°	717.2	705.6	679.8	647.6	607.5	579.0	548.6	527.6	510.6	507.0
751.2	7.5°	736.0	717.8	672.5	614.5	546.8	495.4	449.6	420.1	399.1	392.5
780.7	10°	760.3	733.9	663.1	572.9	475.4	410.1	360.9	337.8	323.5	318.6
815.3	12.5°	788.6	752.4	650.6	522.2	401.9	339.0	307.7	296.2	291.6	290.1
857.8	15°	824.1	775.5	631.8	462.0	339.6	295.6	282.2	280.7	281.3	280.7
908.8	17.5°	866.3	800.7	601.1	400.0	297.7	273.4	268.5	269.7	271.3	271.0
965.9	20°	912.5	825.6	562.0	345.1	269.1	257.6	254.9	256.1	257.3	256.7
1031.9	22.5°	965.0	852.3	518.5	302.2	250.0	243.0	240.0	240.3	240.3	239.1
1115.4	25°	1027.9	881.8	473.0	271.9	235.4	229.9	226.3	225.1	223.3	219.6
1216.9	27.5°	1102.9	913.1	429.2	250.6	223.9	218.7	214.5	211.4	206.9	200.8
1338.7	30°	1187.4	951.1	392.2	237.2	214.8	209.6	204.7	200.2	193.5	185.9
1478.7	32.5°	1286.7	991.8	365.1	228.4	206.6	201.1	195.3	189.8	182.6	175.0
1636.0	35°	1405.2	1041.0	349.3	222.4	200.2	192.9	186.5	180.4	175.0	168.3
1807.1	37.5°	1533.7	1093.2	344.5	219.3	195.9	184.7	177.4	173.1	172.5	168.6
1992.0	40°	1674.3	1155.2	348.1	217.5	191.4	176.8	168.9	168.0	169.5	162.5
2189.8	42.5°	1823.2	1228.7	354.2	215.4	185.0	168.9	161.3	161.3	160.1	150.4
2398.8	45°	1984.1	1313.4	360.3	210.2	177.4	161.0	155.2	153.1	147.9	138.5
2609.0	47.5°	2146.3	1399.7	364.8	200.8	168.3	154.3	149.1	144.3	136.7	128.2
2815.2	50°	2300.4	1477.2	360.0	186.8	158.0	147.9	142.5	135.8	127.6	121.8
3010.5	52.5°	2438.0	1544.3	339.3	170.4	147.0	141.2	136.4	129.4	122.7	116.6
3186.7	55°	2557.6	1598.7	302.8	154.9	137.3	135.5	130.6	121.8	112.7	107.5
3361.4	57.5°	2672.5	1640.0	257.3	142.2	128.5	129.1	121.8	113.9	105.4	99.9
3596.8	60°	2825.2	1695.3	211.1	130.3	119.1	120.9	113.0	107.2	96.6	89.6
4000.5	62.5°	3069.5	1781.2	167.7	115.7	108.1	108.7	105.4	98.4	85.7	77.5
4299.7	65°	3263.3	1749.6	132.1	99.9	95.7	96.6	96.6	89.0	75.3	65.9
4315.8	67.5°	3241.4	1498.1	105.4	84.4	83.8	84.4	86.6	80.2	66.8	59.2
3987.1	70°	2985.9	1191.6	84.4	70.2	72.9	71.4	77.5	73.2	60.1	52.6
3091.0	72.5°	2436.4	858.4	64.4	58.0	55.9	58.3	69.9	65.9	50.1	41.6
1637.3	75°	1423.7	458.1	48.0	45.9	40.4	48.6	62.0	56.2	38.3	30.7
501.8	77.5°	463.5	159.8	35.2	33.7	30.1	39.2	52.9	47.4	31.3	24.3
147.0	80°	124.2	48.3	24.0	22.2	19.4	29.2	41.9	37.7	22.5	15.8
63.2	82.5°	49.8	20.4	14.0	12.5	10.6	20.0	33.1	30.4	16.7	10.0
19.7	85°	16.1	6.7	5.2	3.9	4.9	12.5	19.7	20.7	11.8	5.2
3.0	87.5°	2.1	0.9	0.9	1.2	0.9	2.1	6.1	5.8	3.3	0.6
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°
698.9
616.3
498.8
385.8
315.0
289.2
280.4
270.3
256.4
238.4
219.0
200.2
185.3
175.3
167.7
168.3
162.8
150.4
138.2
127.9
120.9
116.0
106.9
99.3
88.7
76.9
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