

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: P845943

Luminaire Tested: **GLAN-SB1B-830-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-830-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4794 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

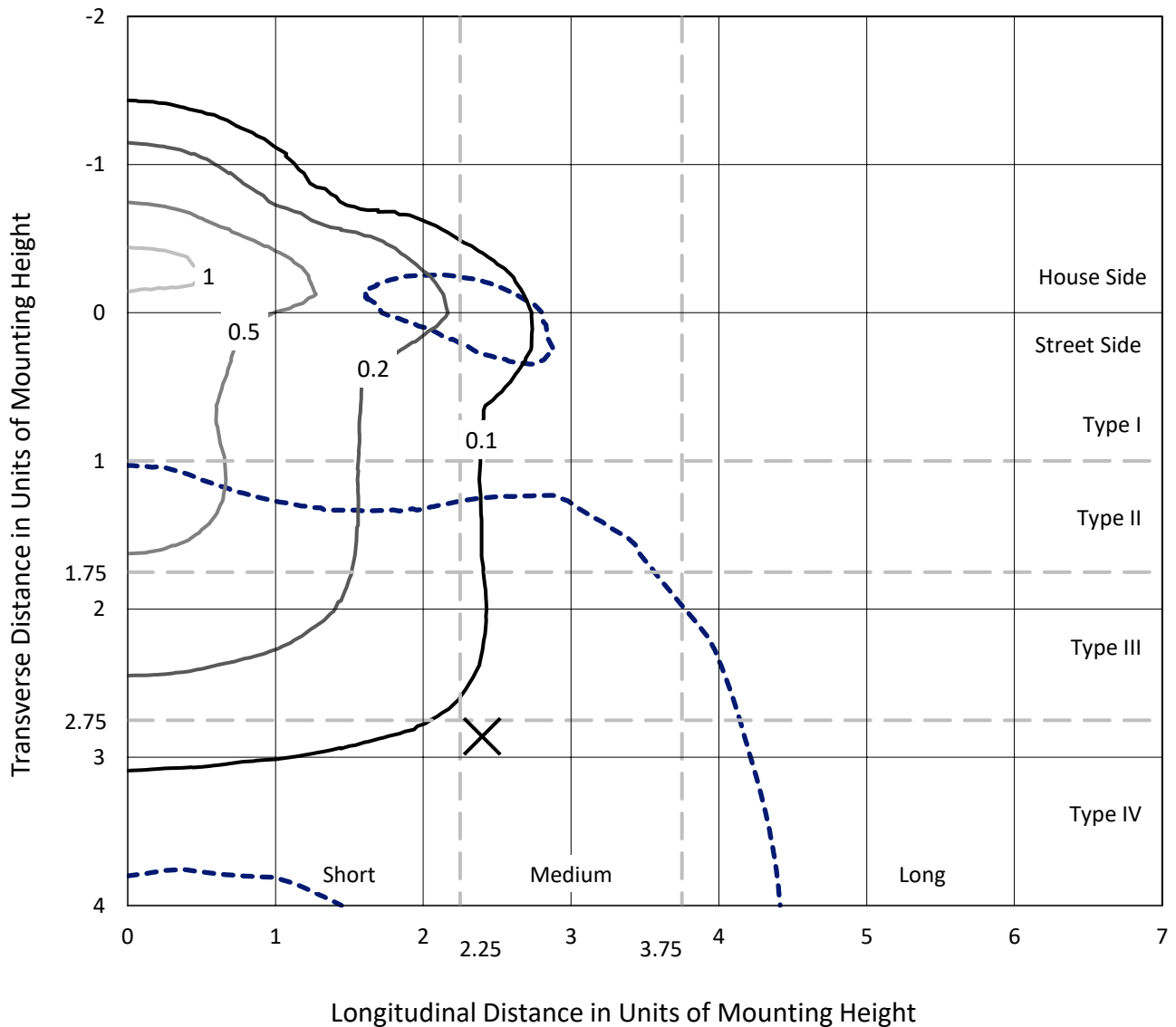
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

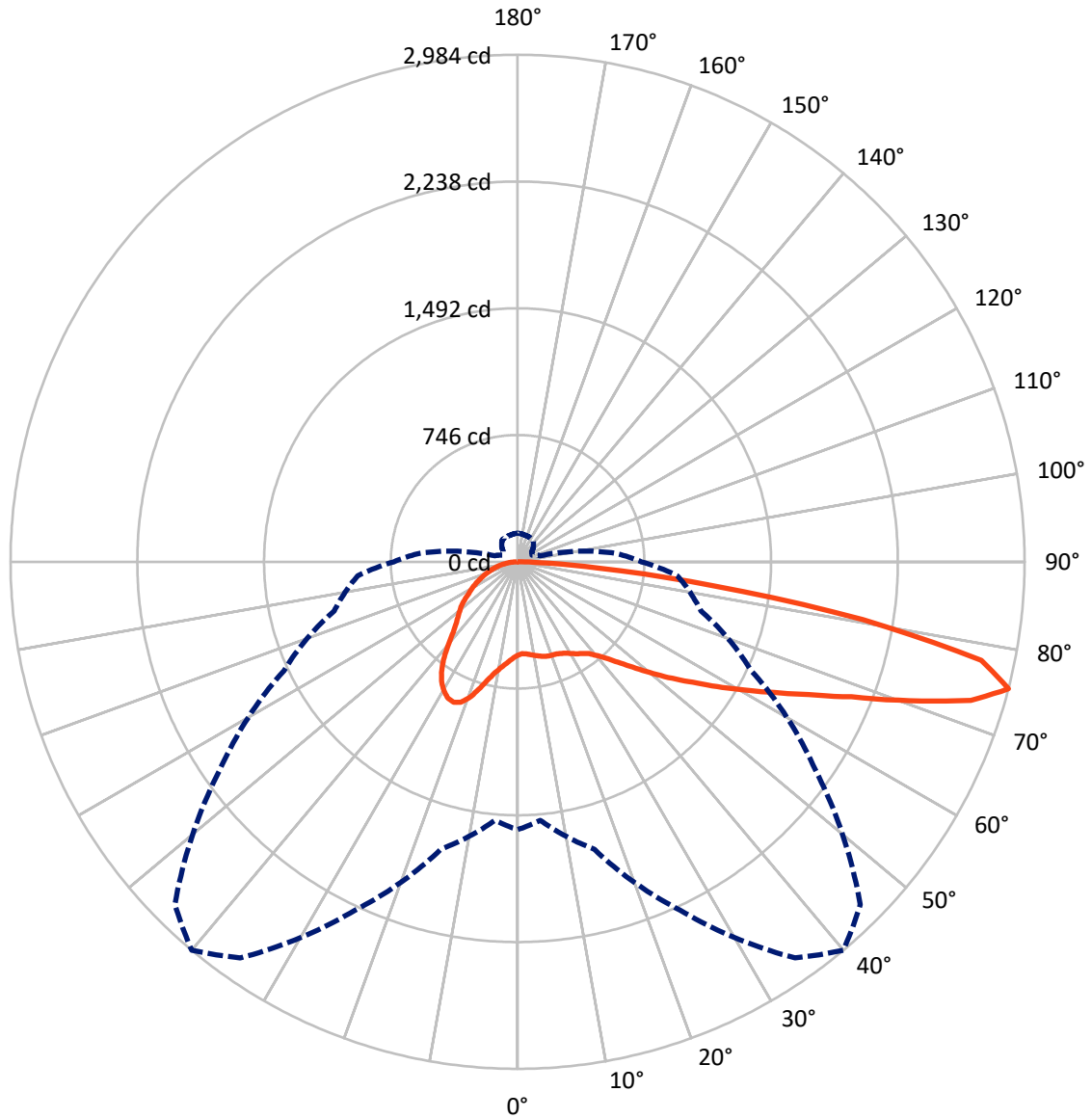
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1485.3	0.0	1485.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	3308.7	0.0	3308.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	4794.0	0.0	4794.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.7	1.1
10°-20°	183.7	3.8
20°-30°	335.5	7.0
30°-40°	475.8	9.9
40°-50°	642.4	13.4
50°-60°	864.3	18.0
60°-70°	1096.9	22.9
70°-80°	995.5	20.8
80°-90°	145.1	3.0
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°	4794.0	100.0
0°-180°	4794.0	100.0

Coefficient of Utilization

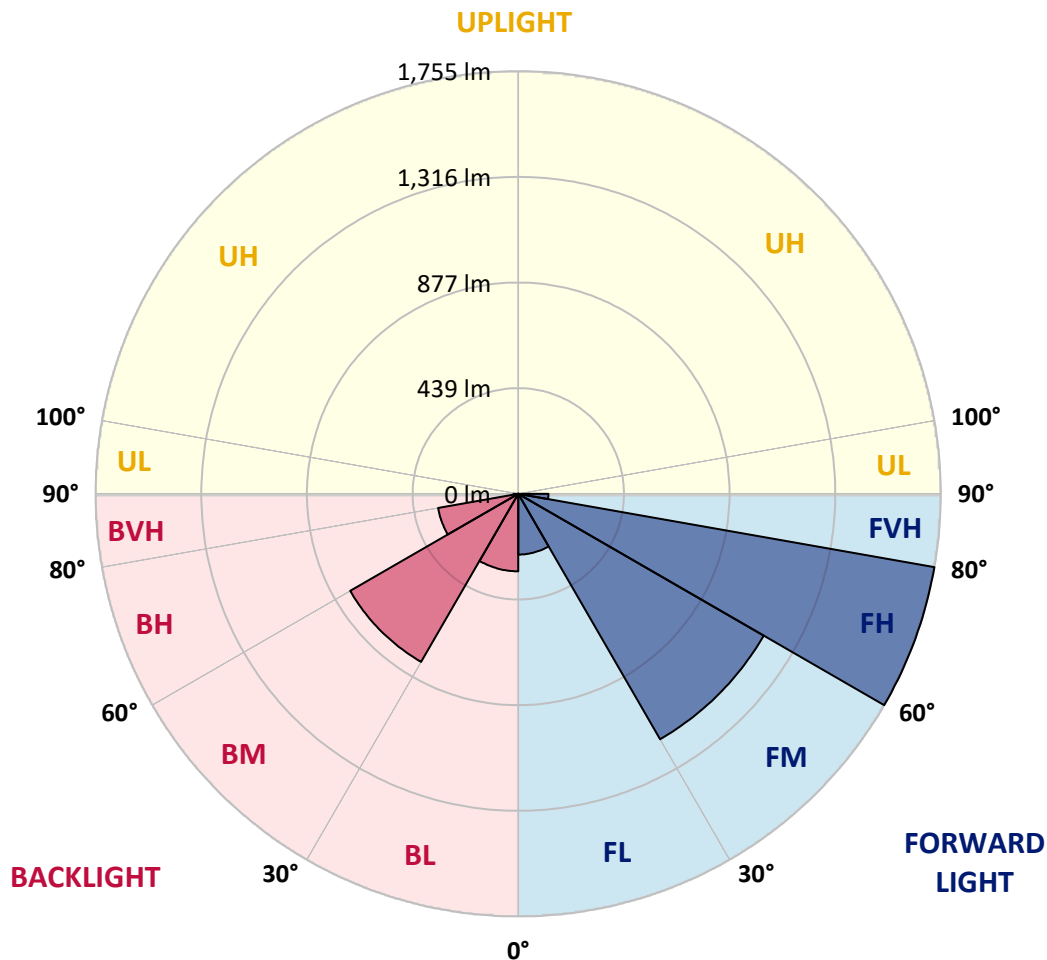


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.2	5.3			
FM (30°-60°)	1176.8	24.5			
FH (60°-80°)	1754.5	36.6			G1/1800
FVH (80°-90°)	125.1	2.6			G2/225
BL (0°-30°)	321.7	6.7	B1/500		
BM (30°-60°)	805.7	16.8	B1/1000		
BH (60°-80°)	338.0	7.0	B1/500		G1/500
BVH (80°-90°)	20.0	0.4			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2
2.5°	539.8	542.9	542.1	541.1	541.1	541.3	541.1	542.9	544.6	546.4
5°	545.4	548.5	546.9	545.7	544.6	544.4	543.6	543.4	544.4	546.7
7.5°	556.3	559.4	557.1	554.8	552.8	551.8	550.7	549.2	548.5	549.7
10°	568.5	571.6	568.8	564.7	561.4	560.2	559.1	557.6	556.6	557.4
12.5°	580.7	583.8	580.0	574.4	570.1	569.3	568.0	567.5	567.3	567.0
15°	592.2	594.7	589.9	583.3	578.7	577.4	576.2	576.9	578.2	579.7
17.5°	601.1	603.6	596.5	587.9	583.5	583.0	582.3	584.8	588.4	592.2
20°	609.2	611.8	602.6	590.9	585.8	585.8	586.1	591.4	596.5	602.1
22.5°	620.7	622.7	611.5	595.5	588.1	588.6	590.7	596.0	602.4	610.0
25°	637.7	639.2	625.5	604.1	595.7	597.3	599.1	601.6	607.7	616.6
27.5°	665.2	666.4	648.4	619.4	606.7	609.2	611.8	610.0	612.8	620.4
30°	703.8	704.6	681.7	643.3	625.2	626.5	627.0	619.6	614.3	620.4
32.5°	749.6	749.3	722.1	672.3	646.3	645.1	640.8	626.3	613.8	619.1
35°	820.5	817.7	782.6	713.0	670.2	662.4	652.2	633.6	616.3	617.9
37.5°	938.0	929.3	880.8	779.6	705.8	685.8	670.8	645.6	621.9	617.4
40°	1070.5	1059.5	1006.1	870.9	759.2	727.0	702.8	662.6	631.1	619.6
42.5°	1227.6	1212.1	1154.6	978.4	826.9	780.1	743.7	684.2	644.6	627.0
45°	1420.6	1400.0	1318.6	1099.7	912.1	849.8	801.2	717.0	665.2	641.3
47.5°	1615.6	1620.7	1505.0	1238.5	1014.3	935.7	873.2	766.4	695.2	664.1
50°	1822.8	1826.4	1690.4	1392.4	1130.2	1032.8	954.0	821.5	736.9	696.7
52.5°	1984.6	1985.1	1858.7	1553.3	1251.0	1139.6	1041.2	884.6	785.2	739.9
55°	2085.8	2084.5	1976.7	1705.6	1389.8	1251.8	1137.8	956.3	844.2	790.8
57.5°	2159.2	2155.4	2058.0	1836.6	1537.8	1384.2	1247.2	1037.7	913.8	851.3
60°	2187.2	2184.9	2113.2	1949.7	1693.4	1530.7	1373.3	1128.7	992.9	922.7
62.5°	2197.9	2202.2	2167.4	2059.3	1860.0	1692.9	1511.9	1237.5	1081.9	1003.6
65°	2235.5	2243.4	2236.3	2202.7	2048.1	1882.8	1695.7	1366.9	1179.0	1090.3
67.5°	2310.0	2317.9	2321.0	2374.3	2278.0	2119.6	1925.1	1528.1	1292.7	1180.3
70°	2308.2	2306.0	2359.9	2510.9	2565.8	2447.3	2234.2	1726.5	1428.2	1255.1
72.5°	2101.0	2082.7	2210.1	2509.4	2805.3	2789.6	2611.8	1982.3	1545.2	1264.2
75°	1576.2	1527.4	1752.4	2261.5	2845.3	2983.8	2851.9	2140.9	1517.5	1117.0
77.5°	674.1	625.0	890.2	1674.1	2546.5	2789.3	2631.7	1867.8	1211.3	738.6
80°	176.5	176.2	269.0	759.0	1731.8	2059.8	1807.1	1206.2	692.1	263.9
82.5°	73.0	71.2	98.9	295.2	846.2	1155.9	943.3	538.0	249.9	71.4
85°	27.2	27.0	48.1	102.0	298.5	476.8	345.0	137.6	62.3	34.8
87.5°	7.6	7.4	10.4	35.3	72.7	110.4	59.0	22.6	17.5	13.7
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°
548.2	0°	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2
549.2	2.5°	550.0	551.3	553.5	555.3	557.6	560.2	563.7	566.0	568.3	569.8
550.5	5°	552.3	555.1	560.9	566.8	573.6	580.0	587.4	592.7	597.0	598.3
555.1	7.5°	557.4	561.9	571.8	581.8	592.7	603.1	613.8	623.0	630.3	633.1
563.2	10°	566.3	572.4	586.3	600.3	614.8	630.8	644.6	657.8	668.2	672.5
572.9	12.5°	577.4	585.1	603.4	622.7	642.8	664.9	682.7	699.0	711.9	717.8
586.3	15°	591.9	601.9	625.2	651.2	680.7	711.4	734.1	752.1	766.6	773.7
600.3	17.5°	607.7	620.9	650.4	689.6	731.8	772.2	798.7	811.9	826.9	833.7
613.3	20°	623.0	639.2	681.4	738.4	794.6	837.6	858.9	862.5	863.5	864.3
625.5	22.5°	638.7	660.6	720.3	799.9	860.2	889.9	893.0	877.7	856.4	846.5
637.4	25°	656.0	685.0	771.2	867.8	916.6	920.2	896.8	859.7	819.2	800.7
647.1	27.5°	672.8	713.2	832.2	932.7	957.3	926.0	875.7	823.1	774.2	754.7
654.0	30°	689.6	745.5	899.6	989.4	975.9	911.5	842.4	783.7	734.6	714.0
660.1	32.5°	706.6	783.1	977.1	1030.3	972.6	880.8	800.9	739.4	696.2	674.6
665.4	35°	725.9	829.4	1050.6	1052.7	950.5	835.5	746.3	686.5	648.9	631.6
671.8	37.5°	751.1	888.2	1115.5	1058.3	911.8	769.2	678.4	624.0	593.0	585.1
681.2	40°	782.4	958.8	1165.1	1049.4	854.6	688.6	604.1	560.7	543.1	544.9
693.9	42.5°	823.1	1037.9	1199.9	1026.5	775.0	605.4	539.0	519.7	528.1	535.2
713.0	45°	876.0	1120.0	1221.5	987.6	685.0	535.0	500.7	505.2	511.6	512.3
743.7	47.5°	943.6	1203.2	1235.7	928.8	593.2	485.4	476.2	477.3	476.0	470.6
789.8	50°	1028.0	1284.0	1248.5	851.0	515.1	454.4	442.2	438.6	421.1	403.8
851.0	52.5°	1124.1	1358.3	1253.8	754.4	454.4	428.4	408.6	386.2	353.4	348.1
928.1	55°	1230.9	1426.9	1240.1	635.7	403.3	395.1	365.1	338.2	334.6	330.0
1029.5	57.5°	1358.6	1500.9	1212.1	503.2	350.9	356.2	327.0	330.0	323.7	316.6
1160.0	60°	1498.1	1577.5	1163.0	382.4	296.7	307.7	317.1	316.8	315.0	309.2
1297.5	62.5°	1623.8	1627.8	1066.4	292.9	249.2	270.0	295.7	295.5	293.9	290.6
1441.2	65°	1698.5	1620.2	905.2	230.6	210.0	239.0	266.7	268.8	269.0	268.8
1549.3	67.5°	1685.3	1530.9	684.0	183.6	177.7	207.5	238.0	240.8	242.8	243.3
1563.0	70°	1535.8	1334.9	446.0	146.5	149.0	179.8	210.8	213.6	215.4	217.4
1356.3	72.5°	1197.1	981.5	255.3	118.5	123.8	155.9	183.8	187.1	188.2	192.0
943.8	75°	729.5	577.2	137.8	93.3	101.7	133.2	157.1	161.0	162.7	167.3
463.5	77.5°	346.8	249.9	78.6	72.7	81.9	108.8	132.7	137.1	132.2	134.8
127.9	80°	117.2	92.8	49.6	55.4	62.5	84.9	106.3	110.6	100.4	99.9
42.5	82.5°	40.9	37.6	31.5	36.9	40.4	60.8	80.3	85.9	74.8	74.5
19.1	85°	16.0	15.3	17.5	20.1	24.2	37.4	52.9	55.7	46.0	37.1
5.6	87.5°	3.3	3.6	4.3	4.6	7.4	13.0	19.1	23.4	18.6	15.8
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

<u>180°</u>
548.2
568.8
598.8
633.4
672.8
717.8
773.2
833.5
866.3
849.3
803.5
757.0
716.3
677.4
635.4
590.7
551.0
541.8
517.4
474.7
406.1
349.9
330.8
315.3
307.2
289.4
268.8
243.8
218.4
193.5
167.8
132.7
98.9
70.9
36.6
14.5
0.0

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