

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: P845993

Luminaire Tested: **GLAN-SB1B-930-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845993  
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-930-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 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: 3767 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

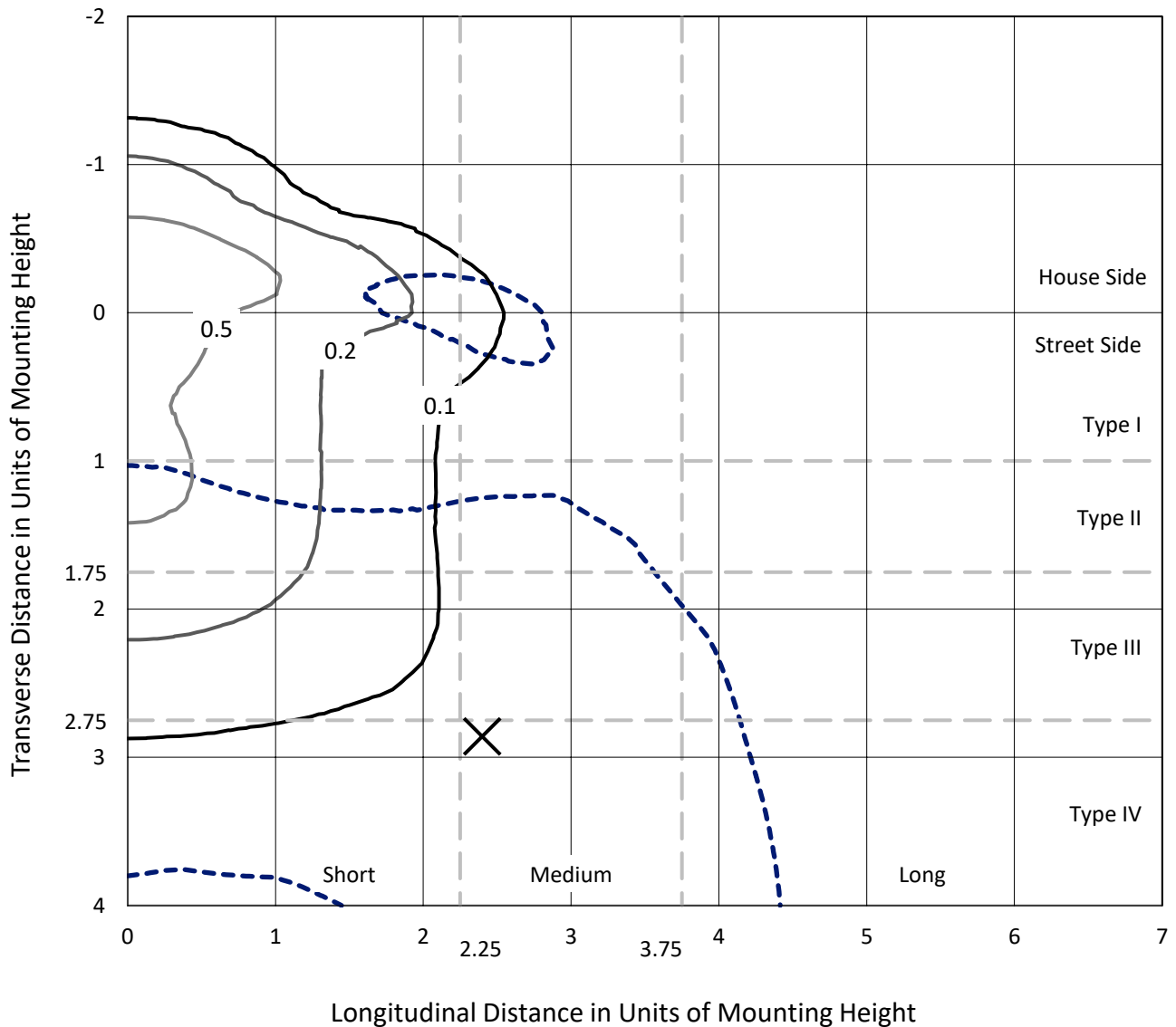
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

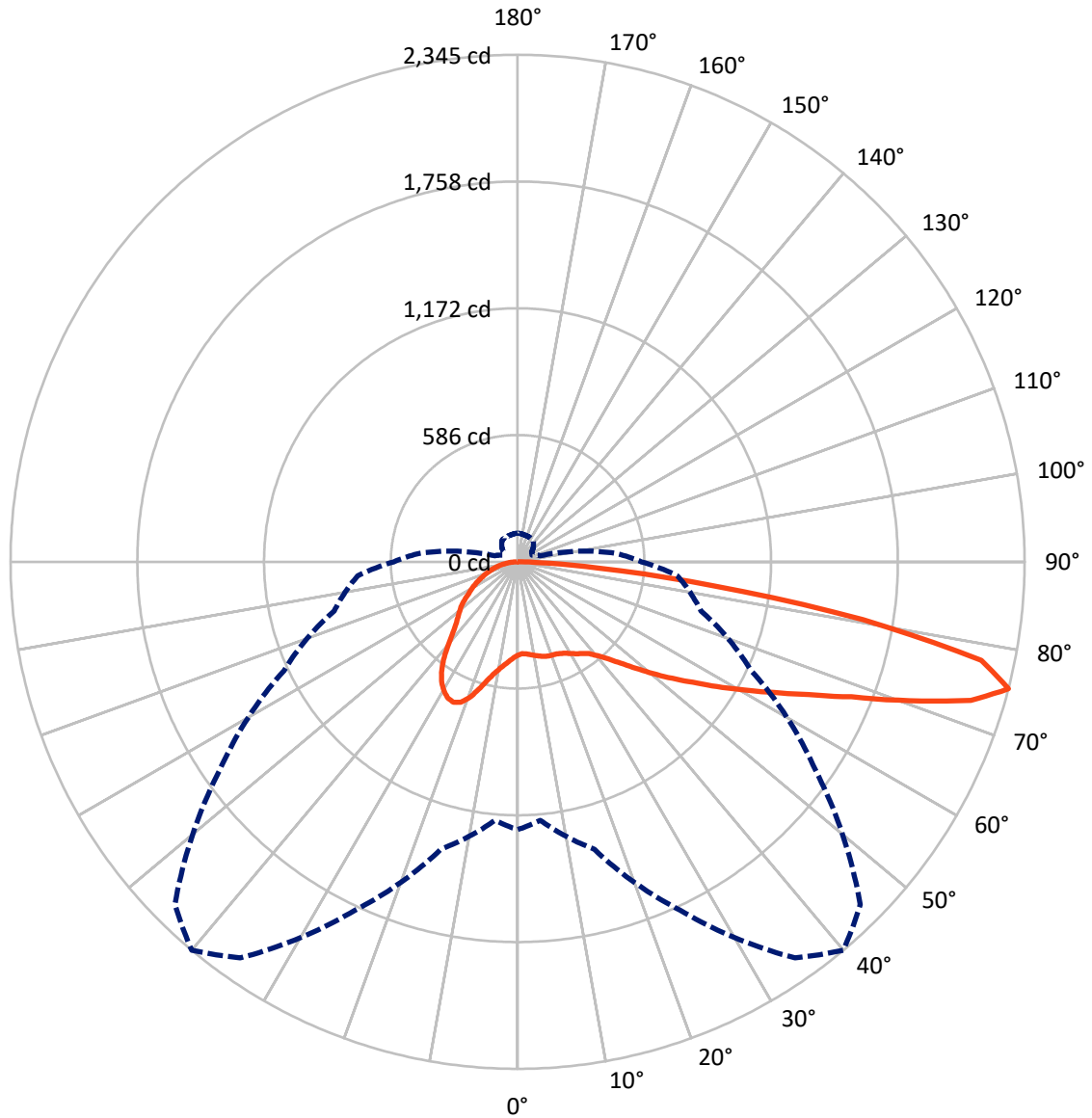
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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
<b>House Side</b>	Lumens	1167.1	0.0	1167.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	2599.9	0.0	2599.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	3767.0	0.0	3767.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.0	1.1
10°-20°	144.4	3.8
20°-30°	263.6	7.0
30°-40°	373.9	9.9
40°-50°	504.8	13.4
50°-60°	679.1	18.0
60°-70°	862.0	22.9
70°-80°	782.3	20.8
80°-90°	114.0	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°	3767.0	100.0
0°-180°	3767.0	100.0

**Coefficient of Utilization**

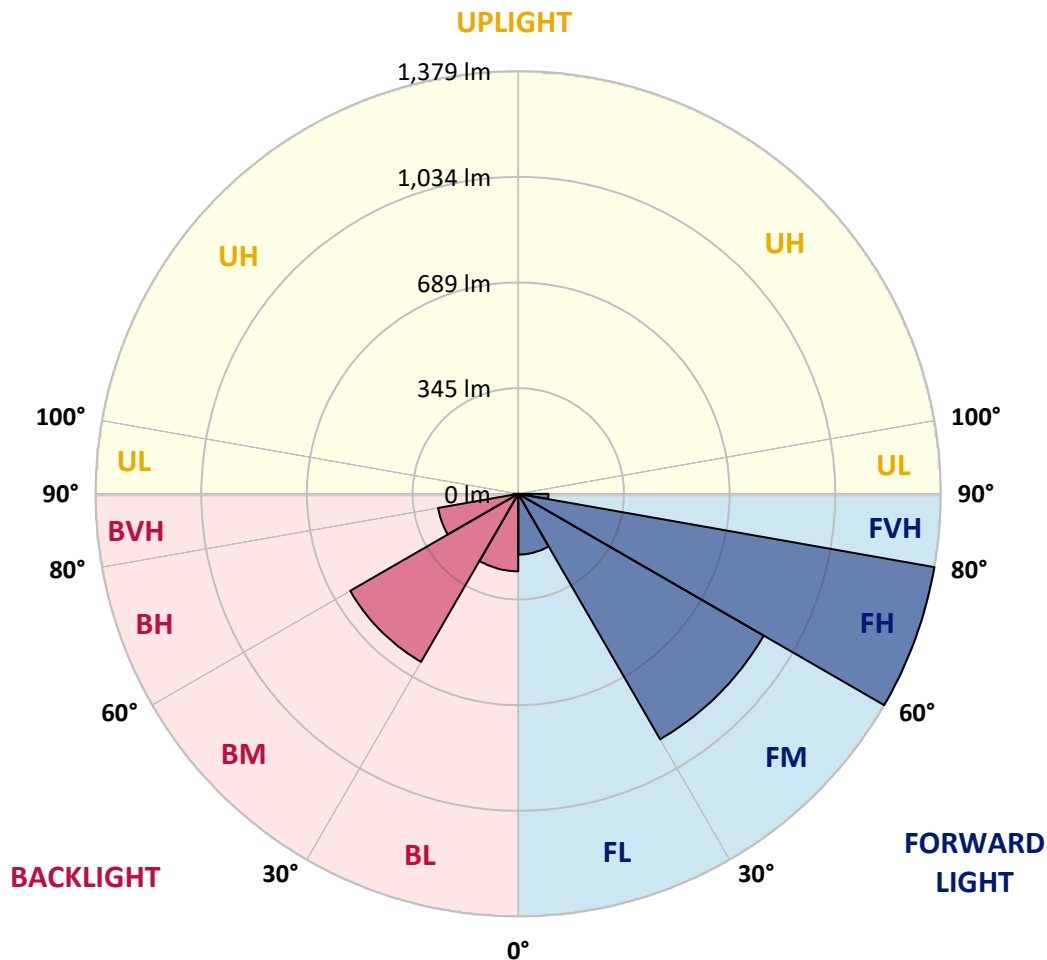


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.1	5.3			
FM (30°-60°)	924.7	24.5			
FH (60°-80°)	1378.7	36.6			G1/1800
FVH (80°-90°)	98.3	2.6			G1/100
BL (0°-30°)	252.8	6.7	B1/500		
BM (30°-60°)	633.1	16.8	B1/1000		
BH (60°-80°)	265.6	7.0	B1/500		G1/500
BVH (80°-90°)	15.7	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-G1**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	430.8	430.8	430.8	430.8	430.8	430.8	430.8	430.8	430.8	430.8
2.5°	424.2	426.6	426.0	425.2	425.2	425.4	425.2	426.6	428.0	429.4
5°	428.6	431.0	429.8	428.8	428.0	427.8	427.2	427.0	427.8	429.6
7.5°	437.2	439.6	437.8	436.0	434.4	433.6	432.8	431.6	431.0	432.0
10°	446.7	449.1	446.9	443.7	441.2	440.2	439.4	438.2	437.4	438.0
12.5°	456.3	458.7	455.7	451.3	447.9	447.3	446.3	445.9	445.7	445.5
15°	465.3	467.3	463.5	458.3	454.7	453.7	452.7	453.3	454.3	455.5
17.5°	472.3	474.3	468.7	461.9	458.5	458.1	457.5	459.5	462.3	465.3
20°	478.7	480.7	473.5	464.3	460.3	460.3	460.5	464.7	468.7	473.1
22.5°	487.7	489.3	480.5	467.9	462.1	462.5	464.1	468.3	473.3	479.3
25°	501.1	502.3	491.5	474.7	468.1	469.3	470.7	472.7	477.5	484.5
27.5°	522.7	523.7	509.5	486.7	476.7	478.7	480.7	479.3	481.5	487.5
30°	553.0	553.6	535.7	505.5	491.3	492.3	492.7	486.9	482.7	487.5
32.5°	589.0	588.8	567.4	528.3	507.9	506.9	503.5	492.1	482.3	486.5
35°	644.7	642.5	615.0	560.2	526.7	520.5	512.5	497.9	484.3	485.5
37.5°	737.0	730.3	692.1	612.6	554.6	538.9	527.1	507.3	488.7	485.1
40°	841.1	832.6	790.6	684.3	596.6	571.2	552.2	520.7	495.9	486.9
42.5°	964.6	952.4	907.3	768.8	649.7	613.0	584.4	537.7	506.5	492.7
45°	1116.3	1100.1	1036.1	864.1	716.7	667.7	629.6	563.4	522.7	503.9
47.5°	1269.5	1273.5	1182.6	973.2	797.0	735.3	686.1	602.2	546.2	521.9
50°	1432.3	1435.1	1328.2	1094.1	888.1	811.6	749.6	645.5	579.0	547.4
52.5°	1559.4	1559.8	1460.5	1220.6	983.0	895.5	818.2	695.1	617.0	581.4
55°	1638.9	1637.9	1553.2	1340.2	1092.1	983.6	894.1	751.4	663.3	621.4
57.5°	1696.7	1693.7	1617.2	1443.1	1208.4	1087.7	980.0	815.4	718.1	668.9
60°	1718.7	1716.9	1660.5	1532.0	1330.6	1202.8	1079.1	886.9	780.2	725.1
62.5°	1727.0	1730.4	1703.1	1618.2	1461.5	1330.2	1188.0	972.4	850.1	788.6
65°	1756.6	1762.8	1757.2	1730.8	1609.4	1479.5	1332.4	1074.1	926.5	856.7
67.5°	1815.2	1821.3	1823.7	1865.7	1790.0	1665.5	1512.7	1200.8	1015.8	927.5
70°	1813.8	1812.0	1854.3	1973.0	2016.1	1923.0	1755.6	1356.6	1122.3	986.2
72.5°	1650.9	1636.5	1736.6	1971.8	2204.4	2192.0	2052.3	1557.6	1214.2	993.4
75°	1238.5	1200.2	1377.0	1777.0	2235.7	2344.6	2240.9	1682.3	1192.4	877.7
77.5°	529.7	491.1	699.5	1315.5	2001.0	2191.8	2067.9	1467.7	951.8	580.4
80°	138.7	138.5	211.4	596.4	1360.8	1618.6	1420.0	947.8	543.8	207.4
82.5°	57.3	55.9	77.7	232.0	664.9	908.3	741.2	422.8	196.4	56.1
85°	21.4	21.2	37.8	80.1	234.6	374.6	271.1	108.1	49.0	27.4
87.5°	6.0	5.8	8.2	27.8	57.1	86.7	46.4	17.8	13.8	10.8
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°
430.8	0°	430.8	430.8	430.8	430.8	430.8	430.8	430.8	430.8	430.8	430.8
431.6	2.5°	432.2	433.2	435.0	436.4	438.2	440.2	442.9	444.7	446.5	447.7
432.6	5°	434.0	436.2	440.8	445.3	450.7	455.7	461.5	465.7	469.1	470.1
436.2	7.5°	438.0	441.6	449.3	457.1	465.7	473.9	482.3	489.5	495.3	497.5
442.5	10°	444.9	449.7	460.7	471.7	483.1	495.7	506.5	516.9	525.1	528.5
450.1	12.5°	453.7	459.7	474.1	489.3	505.1	522.5	536.5	549.2	559.4	564.0
460.7	15°	465.1	472.9	491.3	511.7	534.9	559.0	576.8	591.0	602.4	608.0
471.7	17.5°	477.5	487.9	511.1	541.8	575.0	606.8	627.6	638.0	649.7	655.1
481.9	20°	489.5	502.3	535.5	580.2	624.4	658.1	674.9	677.7	678.5	679.1
491.5	22.5°	501.9	519.1	566.0	628.6	675.9	699.3	701.7	689.7	672.9	665.1
500.9	25°	515.5	538.3	606.0	681.9	720.3	723.1	704.7	675.5	643.7	629.2
508.5	27.5°	528.7	560.4	653.9	732.9	752.2	727.7	688.1	646.7	608.4	593.0
513.9	30°	541.8	585.8	706.9	777.4	766.8	716.3	661.9	615.8	577.2	561.0
518.7	32.5°	555.2	615.4	767.8	809.6	764.2	692.1	629.4	581.0	547.0	530.1
522.9	35°	570.4	651.7	825.6	827.2	746.8	656.5	586.4	539.5	509.9	496.3
527.9	37.5°	590.2	697.9	876.5	831.6	716.5	604.4	533.1	490.3	465.9	459.7
535.3	40°	614.8	753.4	915.5	824.6	671.5	541.0	474.7	440.6	426.8	428.2
545.2	42.5°	646.7	815.6	942.8	806.6	609.0	475.7	423.6	408.4	415.0	420.6
560.2	45°	688.3	880.1	959.8	776.0	538.3	420.4	393.4	397.0	402.0	402.6
584.4	47.5°	741.4	945.4	971.0	729.9	466.1	381.4	374.2	375.0	374.0	369.8
620.6	50°	807.8	1009.0	981.0	668.7	404.8	357.0	347.4	344.6	330.9	317.3
668.7	52.5°	883.3	1067.3	985.2	592.8	357.0	336.7	321.1	303.5	277.7	273.5
729.3	55°	967.2	1121.3	974.4	499.5	316.9	310.5	286.9	265.7	262.9	259.3
809.0	57.5°	1067.5	1179.4	952.4	395.4	275.7	279.9	256.9	259.3	254.3	248.7
911.5	60°	1177.2	1239.5	913.9	300.5	233.2	241.8	249.1	248.9	247.5	243.0
1019.6	62.5°	1275.9	1279.1	837.9	230.2	195.8	212.2	232.4	232.2	231.0	228.4
1132.4	65°	1334.6	1273.1	711.3	181.2	165.0	187.8	209.6	211.2	211.4	211.2
1217.4	67.5°	1324.3	1203.0	537.5	144.3	139.7	163.0	187.0	189.2	190.8	191.2
1228.1	70°	1206.8	1048.9	350.4	115.1	117.1	141.3	165.6	167.8	169.2	170.8
1065.7	72.5°	940.6	771.2	200.6	93.1	97.3	122.5	144.5	147.1	147.8	150.8
741.6	75°	573.2	453.5	108.3	73.3	79.9	104.7	123.5	126.5	127.9	131.5
364.2	77.5°	272.5	196.4	61.7	57.1	64.3	85.5	104.3	107.7	103.9	105.9
100.5	80°	92.1	72.9	39.0	43.6	49.1	66.7	83.5	86.9	78.9	78.5
33.4	82.5°	32.2	29.6	24.8	29.0	31.8	47.8	63.1	67.5	58.7	58.5
15.0	85°	12.6	12.0	13.8	15.8	19.0	29.4	41.6	43.8	36.2	29.2
4.4	87.5°	2.6	2.8	3.4	3.6	5.8	10.2	15.0	18.4	14.6	12.4
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



<u>180°</u>
430.8
446.9
470.5
497.7
528.7
564.0
607.6
654.9
680.7
667.3
631.4
594.8
562.8
532.3
499.3
464.1
433.0
425.8
406.6
373.0
319.1
274.9
259.9
247.7
241.4
227.4
211.2
191.6
171.6
152.0
131.9
104.3
77.7
55.7
28.8
11.4
0.0

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