

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: P845803

Luminaire Tested: **GLAN-SB1A-850-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845803  
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-SB1A-850-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3819 lumens  
Efficiency: N/A  
Efficacy: 123.6 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

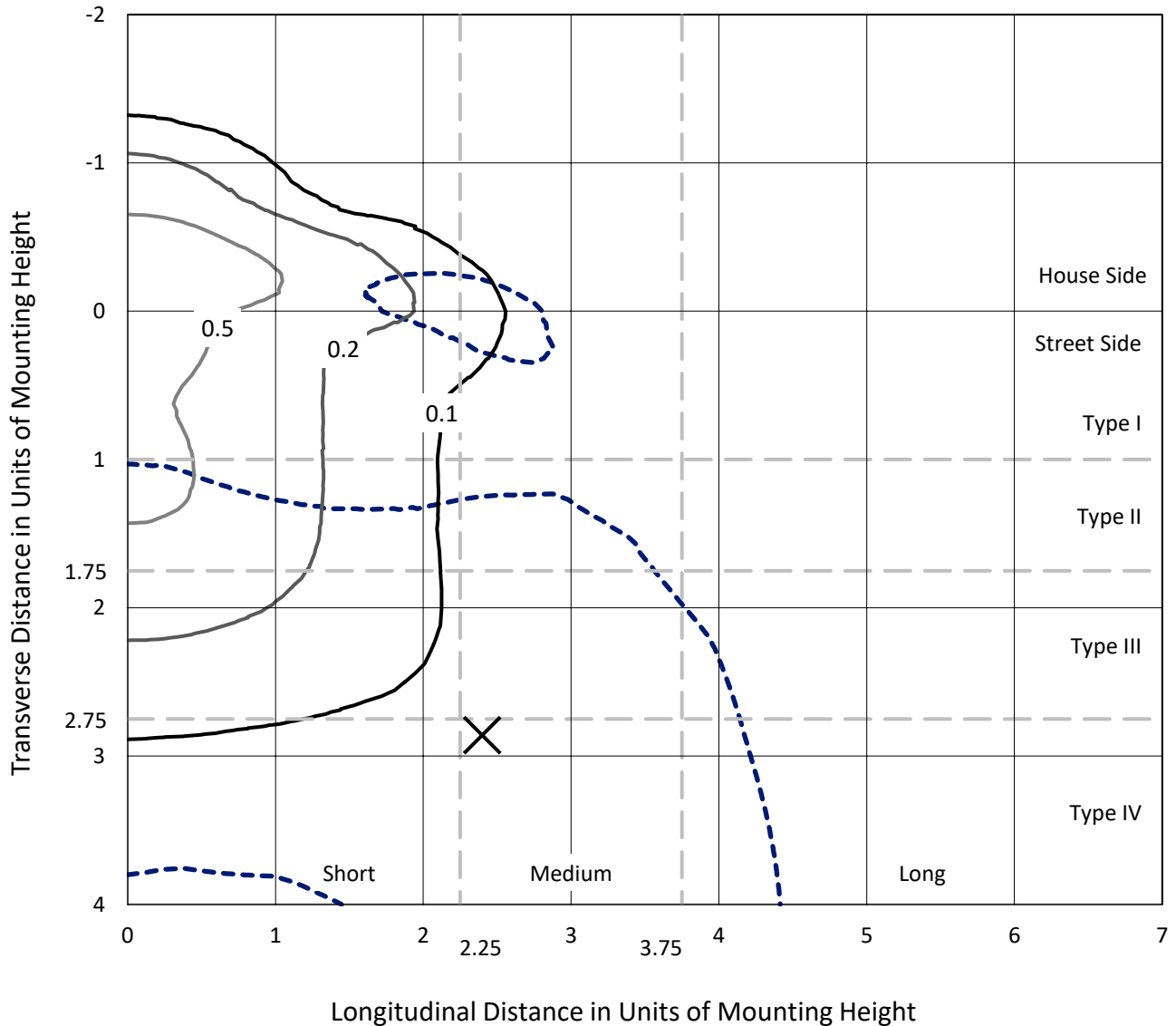
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

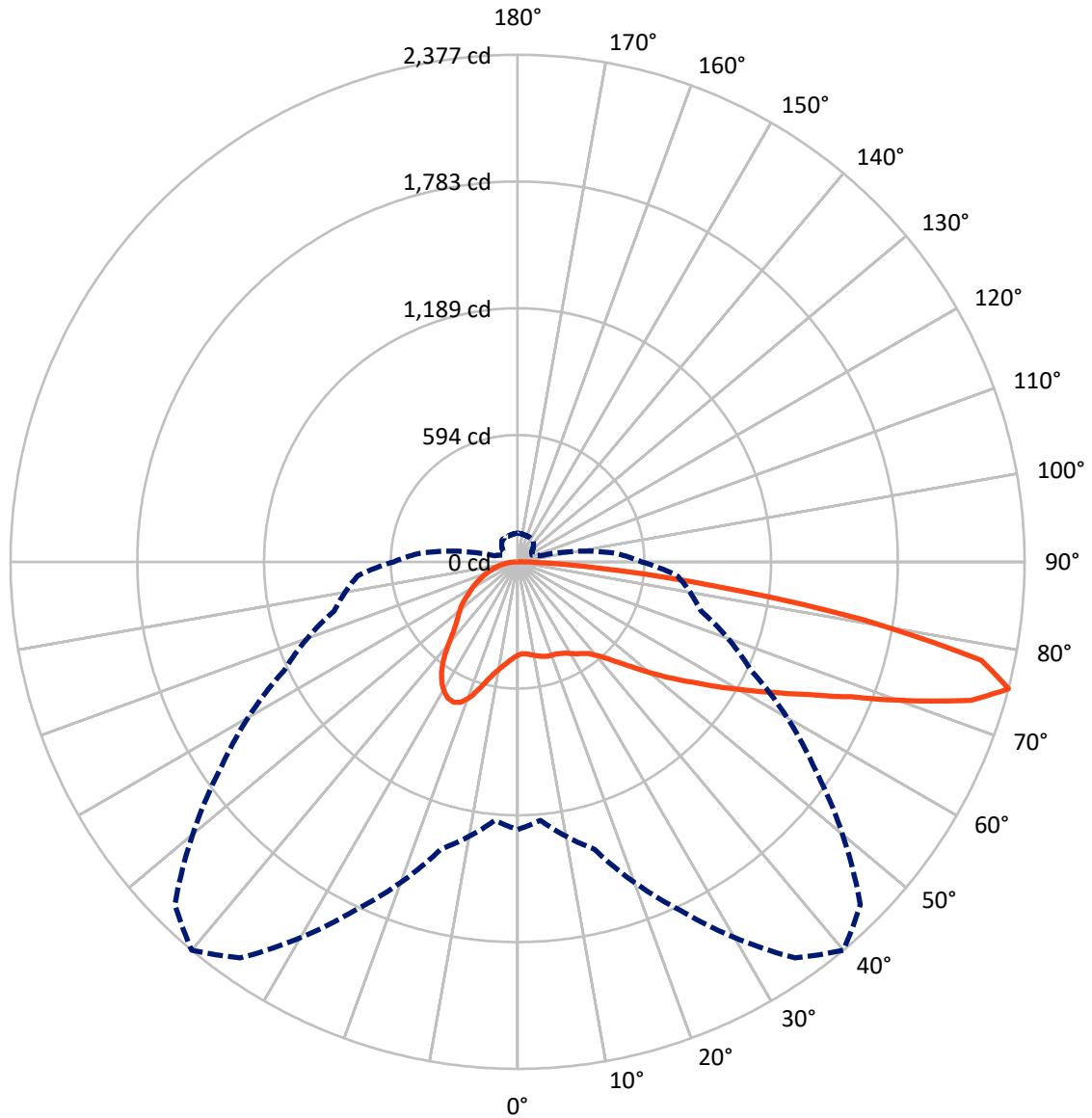
× Max cd  
- - - 1/2 Max cd



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	1183.3	0.0	1183.3
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	2635.7	0.0	2635.7
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	3819.0	0.0	3819.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.6	1.1
10°-20°	146.4	3.8
20°-30°	267.2	7.0
30°-40°	379.0	9.9
40°-50°	511.8	13.4
50°-60°	688.5	18.0
60°-70°	873.9	22.9
70°-80°	793.1	20.8
80°-90°	115.6	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°	3819.0	100.0
0°-180°	3819.0	100.0

**Coefficient of Utilization**

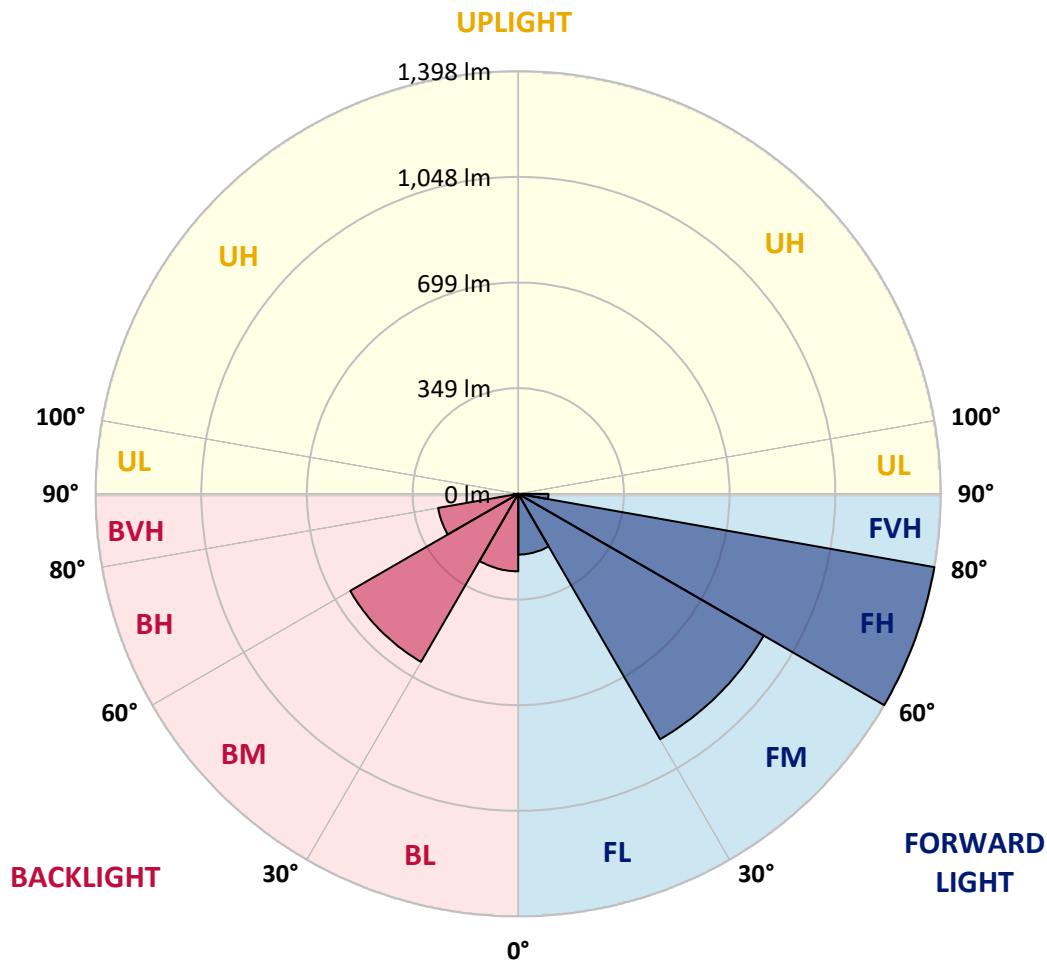


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.9	5.3			
FM (30°-60°)	937.5	24.5			
FH (60°-80°)	1397.7	36.6			G1/1800
FVH (80°-90°)	99.7	2.6			G1/100
BL (0°-30°)	256.3	6.7	B1/500		
BM (30°-60°)	641.8	16.8	B1/1000		
BH (60°-80°)	269.2	7.0	B1/500		G1/500
BVH (80°-90°)	15.9	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°	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7
2.5°	430.0	432.5	431.8	431.0	431.0	431.2	431.0	432.5	433.9	435.3
5°	434.5	436.9	435.7	434.7	433.9	433.7	433.1	432.9	433.7	435.5
7.5°	443.2	445.6	443.8	442.0	440.4	439.5	438.7	437.5	436.9	437.9
10°	452.9	455.3	453.1	449.9	447.2	446.2	445.4	444.2	443.4	444.0
12.5°	462.6	465.1	462.0	457.6	454.1	453.5	452.5	452.1	451.9	451.7
15°	471.7	473.8	469.9	464.7	461.0	460.0	459.0	459.6	460.6	461.8
17.5°	478.8	480.9	475.2	468.3	464.9	464.5	463.9	465.9	468.7	471.7
20°	485.3	487.3	480.1	470.7	466.7	466.7	466.9	471.1	475.2	479.6
22.5°	494.4	496.1	487.1	474.4	468.5	468.9	470.5	474.8	479.9	485.9
25°	508.0	509.2	498.3	481.3	474.6	475.8	477.2	479.2	484.1	491.2
27.5°	529.9	530.9	516.5	493.4	483.3	485.3	487.3	485.9	488.2	494.2
30°	560.7	561.3	543.0	512.5	498.1	499.1	499.5	493.6	489.4	494.2
32.5°	597.1	596.9	575.3	535.6	514.9	513.9	510.4	498.9	489.0	493.2
35°	653.6	651.4	623.5	568.0	533.9	527.7	519.6	504.8	491.0	492.2
37.5°	747.2	740.3	701.6	621.0	562.3	546.3	534.3	514.3	495.4	491.8
40°	852.8	844.0	801.5	693.7	604.8	579.1	559.9	527.9	502.7	493.6
42.5°	977.9	965.6	919.8	779.4	658.7	621.4	592.5	545.1	513.5	499.5
45°	1131.7	1115.3	1050.4	876.0	726.6	676.9	638.2	571.2	529.9	510.8
47.5°	1287.0	1291.1	1198.9	986.6	808.0	745.4	695.6	610.5	553.8	529.1
50°	1452.1	1454.9	1346.6	1109.2	900.4	822.8	760.0	654.5	587.0	555.0
52.5°	1580.9	1581.3	1480.7	1237.4	996.6	907.8	829.5	704.7	625.5	589.4
55°	1661.6	1660.5	1574.7	1358.7	1107.2	997.2	906.4	761.8	672.5	629.9
57.5°	1720.1	1717.1	1639.5	1463.1	1225.1	1102.7	993.5	826.6	728.0	678.2
60°	1742.4	1740.6	1683.4	1553.2	1349.0	1219.4	1094.0	899.1	791.0	735.1
62.5°	1750.9	1754.3	1726.6	1640.5	1481.7	1348.6	1204.4	985.8	861.9	799.5
65°	1780.9	1787.1	1781.5	1754.7	1631.6	1499.9	1350.8	1088.9	939.2	868.6
67.5°	1840.2	1846.5	1848.9	1891.5	1814.7	1688.5	1533.5	1217.4	1029.8	940.3
70°	1838.8	1837.0	1879.9	2000.2	2044.0	1949.6	1779.8	1375.3	1137.7	999.8
72.5°	1673.7	1659.1	1760.6	1999.0	2234.8	2222.2	2080.6	1579.1	1230.9	1007.1
75°	1255.6	1216.7	1396.0	1801.5	2266.6	2377.0	2271.9	1705.5	1208.8	889.8
77.5°	537.0	497.9	709.1	1333.6	2028.6	2222.0	2096.4	1488.0	965.0	588.4
80°	140.6	140.4	214.3	604.6	1379.6	1640.9	1439.6	960.9	551.4	210.3
82.5°	58.1	56.7	78.8	235.2	674.1	920.8	751.5	428.6	199.1	56.9
85°	21.7	21.5	38.3	81.2	237.8	379.8	274.9	109.6	49.6	27.7
87.5°	6.1	5.9	8.3	28.2	57.9	87.9	47.0	18.0	14.0	10.9
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°
436.7	0°	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7
437.5	2.5°	438.1	439.1	441.0	442.4	444.2	446.2	449.1	450.9	452.7	453.9
438.5	5°	439.9	442.2	446.8	451.5	457.0	462.0	467.9	472.2	475.6	476.6
442.2	7.5°	444.0	447.6	455.5	463.4	472.2	480.5	489.0	496.3	502.1	504.4
448.7	10°	451.1	456.0	467.1	478.2	489.8	502.5	513.5	524.0	532.3	535.8
456.4	12.5°	460.0	466.1	480.7	496.1	512.1	529.7	543.9	556.8	567.2	571.8
467.1	15°	471.5	479.4	498.1	518.7	542.2	566.7	584.8	599.2	610.7	616.4
478.2	17.5°	484.1	494.6	518.1	549.3	583.0	615.2	636.2	646.8	658.7	664.2
488.6	20°	496.3	509.2	542.8	588.2	633.0	667.2	684.2	687.1	687.9	688.5
498.3	22.5°	508.8	526.2	573.8	637.2	685.2	708.9	711.4	699.2	682.2	674.3
507.8	25°	522.6	545.7	614.3	691.3	730.2	733.0	714.4	684.8	652.6	637.8
515.5	27.5°	536.0	568.2	663.0	743.0	762.6	737.7	697.6	655.7	616.8	601.2
521.0	30°	549.3	593.9	716.6	788.1	777.4	726.2	671.1	624.3	585.2	568.8
525.8	32.5°	562.9	623.9	778.4	820.8	774.8	701.6	638.0	589.0	554.6	537.4
530.1	35°	578.3	660.7	837.0	838.6	757.1	665.6	594.5	546.9	516.9	503.1
535.1	37.5°	598.3	707.5	888.6	843.0	726.4	612.7	540.4	497.1	472.4	466.1
542.6	40°	623.3	763.8	928.1	835.9	680.8	548.5	481.3	446.6	432.7	434.1
552.8	42.5°	655.7	826.8	955.9	817.7	617.4	482.3	429.4	414.0	420.7	426.4
568.0	45°	697.8	892.3	973.1	786.7	545.7	426.2	398.8	402.5	407.5	408.1
592.5	47.5°	751.7	958.5	984.4	739.9	472.6	386.7	379.4	380.2	379.2	374.9
629.1	50°	818.9	1022.9	994.5	678.0	410.4	362.0	352.2	349.4	335.4	321.7
678.0	52.5°	895.5	1082.0	998.8	601.0	362.0	341.3	325.5	307.7	281.6	277.3
739.3	55°	980.6	1136.7	987.9	506.4	321.3	314.8	290.9	269.4	266.6	262.9
820.1	57.5°	1082.2	1195.7	965.6	400.9	279.5	283.8	260.5	262.9	257.9	252.2
924.1	60°	1193.5	1256.6	926.5	304.6	236.4	245.1	252.6	252.4	251.0	246.3
1033.6	62.5°	1293.5	1296.8	849.5	233.3	198.5	215.1	235.6	235.4	234.2	231.5
1148.1	65°	1353.1	1290.7	721.1	183.7	167.3	190.4	212.5	214.1	214.3	214.1
1234.2	67.5°	1342.5	1219.6	544.9	146.2	141.6	165.3	189.6	191.8	193.4	193.8
1245.1	70°	1223.4	1063.4	355.3	116.7	118.7	143.2	167.9	170.1	171.6	173.2
1080.4	72.5°	953.6	781.9	203.4	94.4	98.6	124.2	146.4	149.1	149.9	152.9
751.9	75°	581.1	459.8	109.8	74.3	81.0	106.1	125.2	128.2	129.6	133.3
369.3	77.5°	276.3	199.1	62.6	57.9	65.2	86.7	105.7	109.2	105.3	107.4
101.9	80°	93.4	73.9	39.5	44.2	49.8	67.7	84.7	88.1	80.0	79.6
33.8	82.5°	32.6	30.0	25.1	29.4	32.2	48.4	64.0	68.5	59.6	59.3
15.2	85°	12.8	12.2	14.0	16.0	19.2	29.8	42.1	44.4	36.7	29.6
4.5	87.5°	2.6	2.8	3.4	3.6	5.9	10.3	15.2	18.6	14.8	12.6
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



<u>180°</u>
436.7
453.1
477.0
504.6
536.0
571.8
616.0
664.0
690.1
676.5
640.1
603.0
570.6
539.6
506.2
470.5
438.9
431.6
412.2
378.2
323.5
278.7
263.5
251.2
244.7
230.5
214.1
194.2
174.0
154.1
133.7
105.7
78.8
56.5
29.2
11.5
0.0

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