

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: P852101

Luminaire Tested: **GLAN-SB1B-835-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852101  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-835-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4610 lumens  
Efficiency: N/A  
Efficacy: 115.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

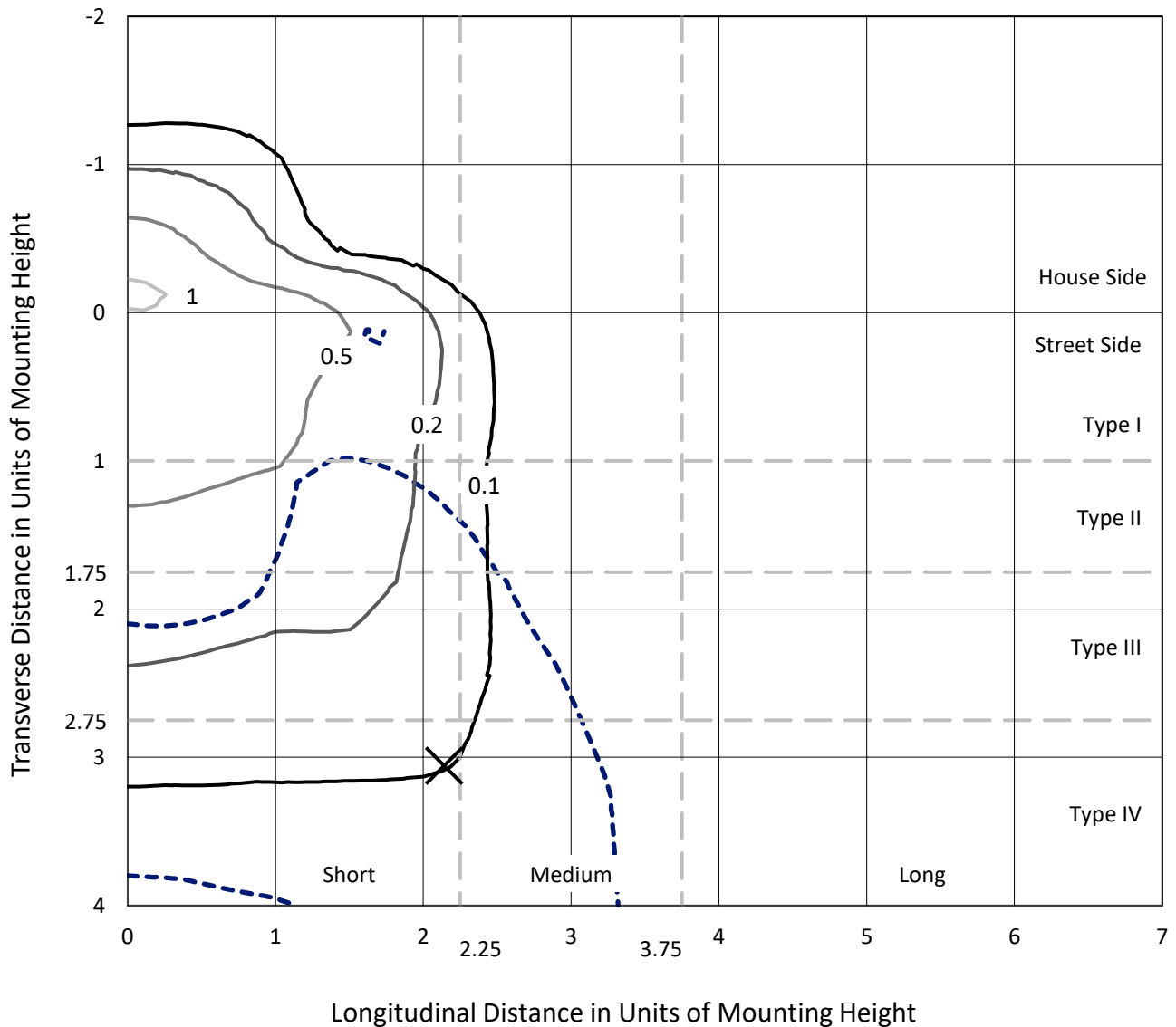
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

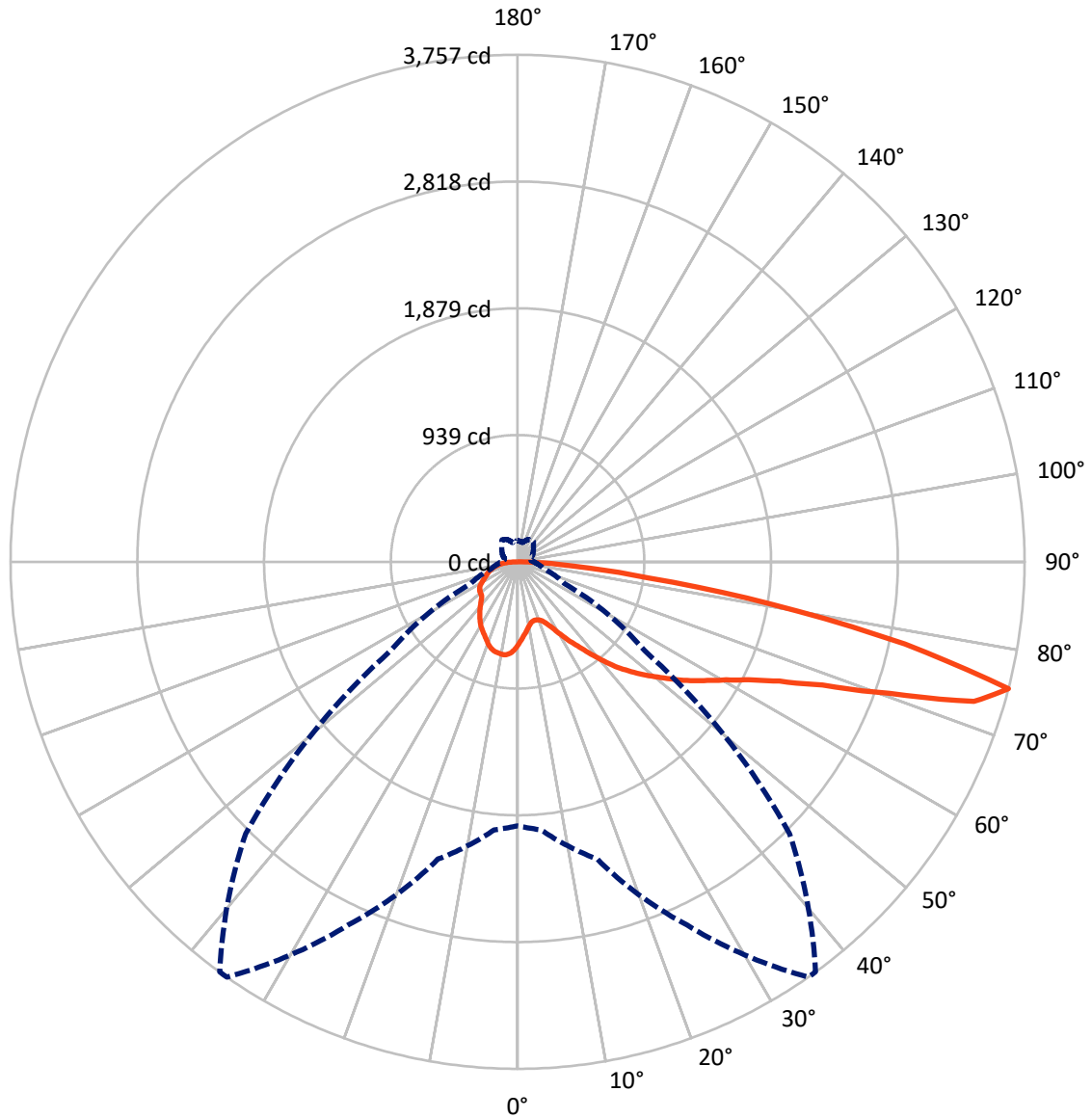
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1097.1	0.0	1097.1
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	3512.9	0.0	3512.9
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	4610.0	0.0	4610.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.2	1.3
10°-20°	167.8	3.6
20°-30°	281.7	6.1
30°-40°	437.8	9.5
40°-50°	649.9	14.1
50°-60°	897.2	19.5
60°-70°	1088.5	23.6
70°-80°	899.6	19.5
80°-90°	129.4	2.8
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°	4610.0	100.0
0°-180°	4610.0	100.0

**Coefficient of Utilization**

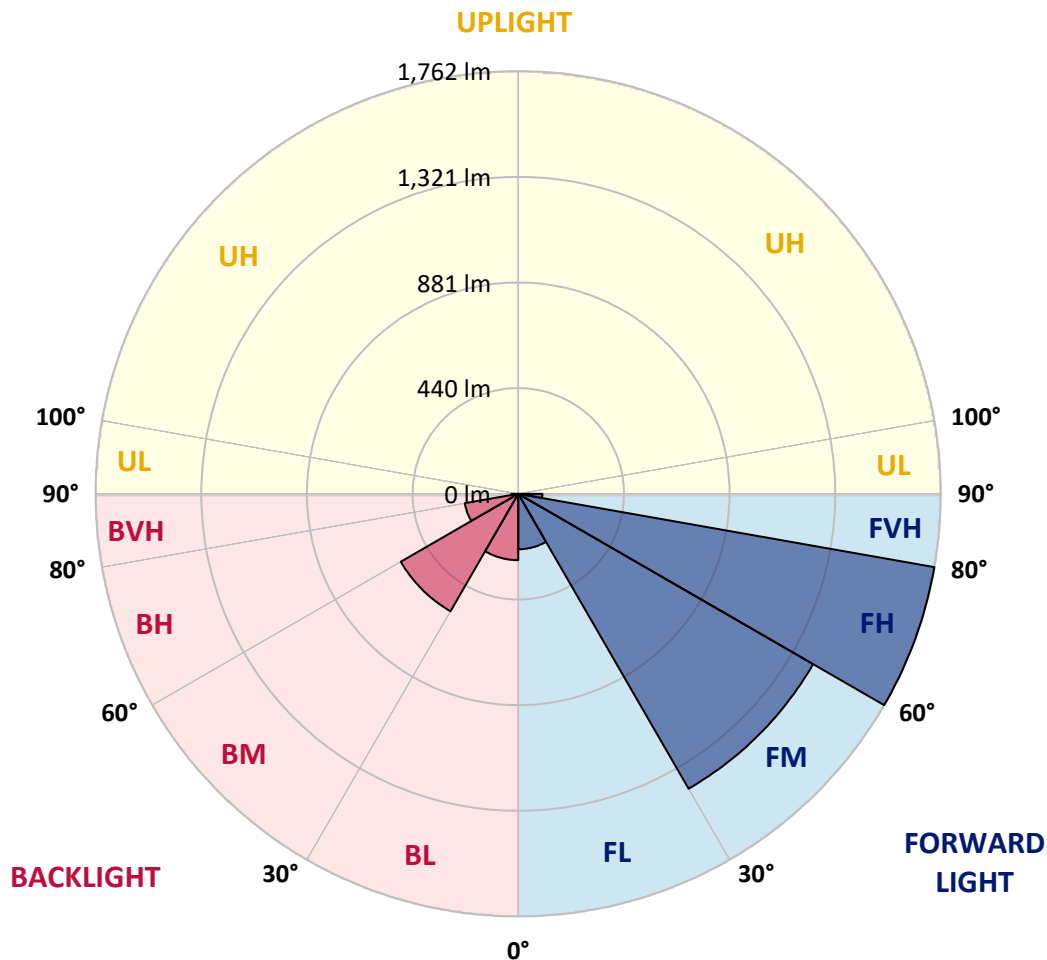


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.2	5.0			
FM (30°-60°)	1419.6	30.8			
FH (60°-80°)	1761.9	38.2			G1/1800
FVH (80°-90°)	100.3	2.2			G2/225
BL (0°-30°)	276.5	6.0	B1/500		
BM (30°-60°)	565.3	12.3	B1/1000		
BH (60°-80°)	226.2	4.9	B1/500		G1/500
BVH (80°-90°)	29.1	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-G2**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3
2.5°	566.5	570.0	571.4	570.7	574.4	573.9	579.2	585.7	594.6	603.3
5°	522.9	526.6	529.8	532.8	540.0	542.3	550.5	563.0	579.4	596.1
7.5°	482.2	485.5	490.5	495.9	508.1	510.4	524.1	543.5	566.5	590.9
10°	449.1	452.3	457.6	463.8	479.0	481.7	499.2	525.1	555.0	585.9
12.5°	434.9	435.9	438.9	445.1	458.3	460.0	479.2	508.9	543.8	582.2
15°	434.1	436.1	436.4	439.6	450.6	451.3	469.0	498.4	536.8	581.4
17.5°	441.6	443.1	440.9	442.9	452.1	453.3	467.3	493.4	534.6	584.7
20°	461.5	462.8	456.1	453.3	460.0	461.0	474.8	496.7	536.8	591.4
22.5°	503.9	504.7	488.2	477.0	477.5	478.0	490.0	509.9	545.5	603.6
25°	570.0	569.5	543.3	521.6	509.1	506.4	514.4	531.3	560.2	619.8
27.5°	647.2	643.5	617.3	584.9	557.7	553.8	552.0	559.2	581.2	641.2
30°	734.4	730.9	702.8	660.4	622.8	616.3	599.9	596.1	612.3	670.4
32.5°	830.1	827.9	794.2	742.9	692.6	685.1	657.4	647.5	660.2	714.5
35°	910.4	908.4	880.5	827.6	766.1	756.9	728.7	717.5	724.0	771.1
37.5°	982.9	981.9	958.0	916.4	852.8	841.6	809.9	806.2	805.0	845.6
40°	1050.2	1047.7	1022.8	1000.8	953.7	943.5	915.6	912.4	902.9	937.3
42.5°	1124.7	1118.2	1082.1	1071.9	1059.2	1050.7	1034.0	1034.5	1013.6	1040.7
45°	1185.5	1181.8	1144.6	1138.7	1152.4	1148.9	1163.3	1167.1	1126.4	1149.1
47.5°	1250.8	1247.3	1215.9	1211.7	1248.8	1249.8	1300.9	1302.1	1236.6	1261.8
50°	1331.3	1326.3	1295.2	1300.4	1342.0	1345.8	1439.2	1430.7	1338.0	1376.2
52.5°	1384.4	1387.4	1380.6	1389.1	1445.9	1449.4	1575.3	1553.6	1438.5	1489.1
55°	1423.5	1429.5	1450.4	1469.9	1555.6	1559.1	1703.6	1670.5	1521.7	1593.7
57.5°	1473.9	1465.4	1504.5	1542.4	1659.8	1669.0	1828.5	1783.1	1595.5	1683.9
60°	1546.1	1540.1	1570.5	1626.6	1776.4	1791.1	1960.6	1884.6	1649.6	1755.5
62.5°	1692.7	1677.7	1682.4	1732.0	1923.4	1942.9	2109.6	1973.0	1676.5	1783.4
65°	1911.7	1886.1	1862.1	1896.5	2130.5	2149.7	2277.8	2042.6	1666.5	1729.3
67.5°	2187.6	2162.2	2132.8	2165.2	2435.6	2450.8	2485.4	2081.7	1588.0	1521.0
70°	2415.1	2405.7	2440.8	2574.1	2922.8	2923.3	2751.6	2049.3	1372.9	1078.4
72.5°	2385.0	2379.3	2564.4	2976.6	3536.9	3523.6	3003.5	1804.1	924.8	486.5
75°	1956.6	1993.7	2280.6	2969.4	3757.4	3755.7	2849.3	1146.9	382.5	201.6
77.5°	1049.2	1108.0	1480.6	2192.3	2933.3	2977.4	2003.2	401.2	164.2	129.1
80°	342.2	393.5	590.1	1116.2	1906.0	1897.8	858.5	157.5	112.4	91.5
82.5°	145.3	151.3	263.7	527.1	978.2	963.0	273.4	90.5	79.0	62.6
85°	56.8	63.5	116.4	243.7	423.7	414.4	98.7	44.9	50.6	40.9
87.5°	18.7	22.7	41.6	83.5	131.8	127.1	24.2	15.5	21.9	18.7
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°
614.3	0°	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3
616.1	2.5°	619.5	623.5	628.3	635.2	641.2	646.2	651.4	654.7	655.9	659.7
617.1	5°	624.0	632.8	644.5	655.9	667.1	673.9	679.9	682.8	685.6	687.6
619.8	7.5°	631.5	642.7	661.2	676.1	685.6	691.1	695.1	694.1	695.1	695.6
622.8	10°	638.0	653.7	675.6	689.8	697.1	697.3	696.3	692.8	691.1	691.3
627.3	12.5°	645.7	663.2	686.8	698.8	700.8	695.3	691.1	685.1	682.8	681.9
634.0	15°	656.2	676.1	699.0	703.5	698.5	691.6	684.3	674.6	669.6	665.7
645.5	17.5°	668.9	690.8	708.5	705.3	694.6	683.1	671.4	656.7	646.5	642.2
661.2	20°	686.6	706.3	715.7	701.5	685.3	667.9	648.0	630.0	620.5	616.3
681.1	22.5°	708.0	727.0	722.7	695.1	672.1	644.2	619.3	606.1	601.4	598.4
706.8	25°	733.7	749.9	727.7	685.6	650.4	612.8	593.6	589.4	587.1	584.9
738.2	27.5°	767.1	775.8	731.4	671.6	616.6	579.4	572.4	573.2	572.4	568.7
781.8	30°	811.2	809.4	734.9	649.0	577.7	549.3	549.8	553.0	553.5	551.0
842.6	32.5°	869.3	851.6	736.7	619.5	540.5	522.9	523.4	526.8	529.3	525.1
922.1	35°	939.5	900.7	733.9	582.7	511.9	497.7	493.9	494.9	495.7	491.7
1018.5	37.5°	1021.5	955.7	721.7	541.8	488.2	473.0	465.0	458.3	454.3	450.6
1127.7	40°	1111.5	1015.8	699.3	501.9	461.8	446.8	434.9	422.2	408.7	403.7
1243.3	42.5°	1205.7	1077.6	672.1	463.8	431.4	419.2	406.5	388.0	367.8	357.6
1363.5	45°	1303.4	1140.9	645.5	426.2	400.2	395.0	380.3	358.1	336.2	323.2
1483.8	47.5°	1399.1	1200.7	606.3	388.3	371.1	376.8	365.3	344.9	320.5	300.1
1603.2	50°	1490.6	1256.8	542.3	349.9	347.4	371.3	360.4	331.0	303.0	276.9
1720.3	52.5°	1581.3	1302.1	460.3	315.0	334.7	369.8	353.9	321.5	287.3	259.9
1830.5	55°	1658.3	1325.6	381.3	285.1	316.3	357.1	346.2	310.3	265.2	236.0
1906.0	57.5°	1702.1	1306.6	315.5	255.7	290.8	336.2	333.0	286.3	238.7	216.3
1920.7	60°	1683.2	1229.9	261.7	230.0	266.7	313.5	310.0	262.7	218.6	197.4
1841.9	62.5°	1578.8	1083.6	219.1	207.6	244.7	290.3	287.1	244.5	203.1	182.7
1632.9	65°	1368.4	881.5	185.9	188.9	222.5	262.4	267.2	229.3	190.9	171.0
1263.3	67.5°	1043.7	638.5	160.0	172.7	200.9	235.0	248.7	218.3	180.7	161.7
730.9	70°	594.9	362.6	138.1	157.0	181.7	209.6	234.5	209.6	169.7	154.0
273.9	72.5°	225.5	166.5	119.4	141.3	163.2	188.2	218.8	195.9	157.0	145.3
141.6	75°	120.4	101.4	100.4	122.9	142.1	167.2	199.1	182.4	147.5	153.5
97.9	77.5°	82.0	71.8	84.0	105.2	118.9	144.0	178.2	162.0	127.8	127.3
67.8	80°	56.8	50.8	68.3	84.7	92.0	121.1	155.5	139.1	104.2	97.2
41.9	82.5°	34.1	33.1	51.1	63.3	65.0	93.5	128.8	116.6	85.2	74.3
24.9	85°	18.7	19.7	32.6	37.1	37.9	65.3	100.9	90.2	65.5	55.1
9.0	87.5°	5.2	6.7	12.0	14.7	18.2	33.9	60.1	53.6	32.9	22.9
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°
614.3
659.4
688.1
696.3
691.8
681.4
666.9
642.5
615.8
598.9
584.9
569.5
552.3
527.1
494.4
453.1
406.0
358.9
322.2
297.8
274.6
256.9
233.5
213.3
194.4
179.4
167.7
158.7
152.0
143.3
158.5
117.4
93.0
74.8
55.6
22.9
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