

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: P846505

Luminaire Tested: **GLAN-SB2A-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846505
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-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 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: 4419 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

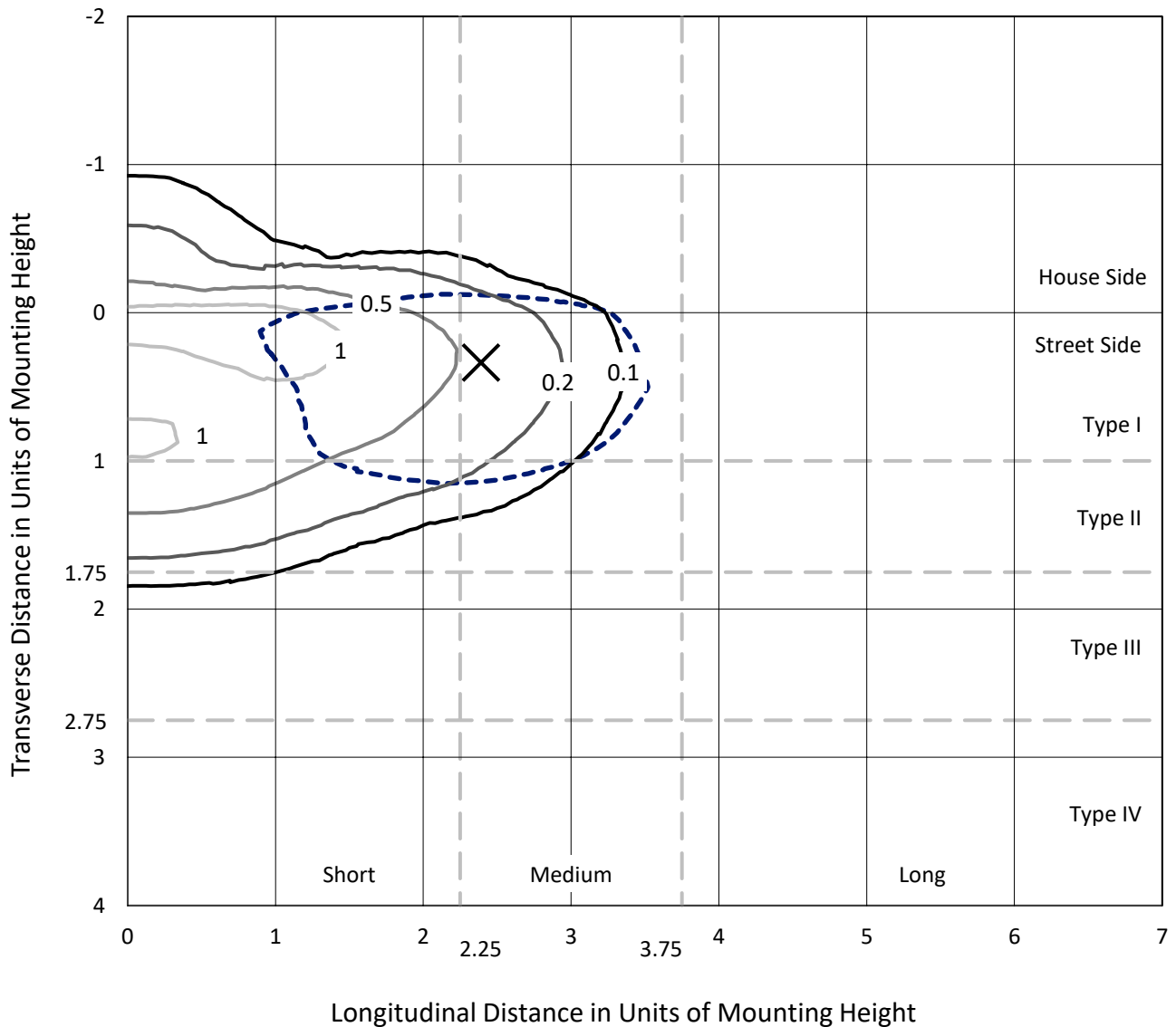
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

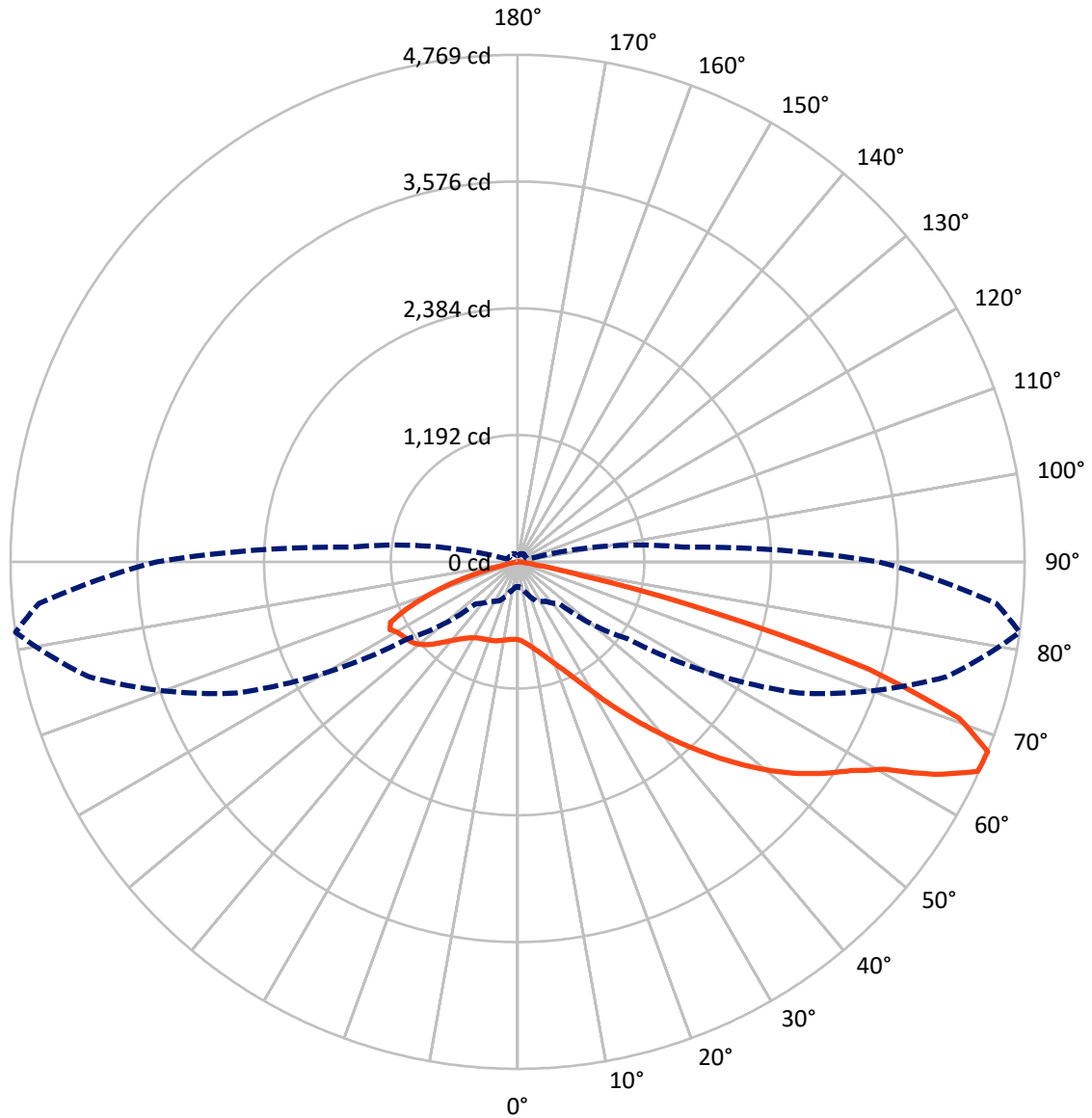
× Max cd
 - - - 1/2 Max cd



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	800.5	0.0	800.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3618.5	0.0	3618.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	4419.0	0.0	4419.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	1.5
10°-20°	169.5	3.8
20°-30°	271.5	6.1
30°-40°	480.0	10.9
40°-50°	841.1	19.0
50°-60°	1121.7	25.4
60°-70°	1044.3	23.6
70°-80°	400.8	9.1
80°-90°	24.9	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°	4419.0	100.0
0°-180°	4419.0	100.0

Coefficient of Utilization

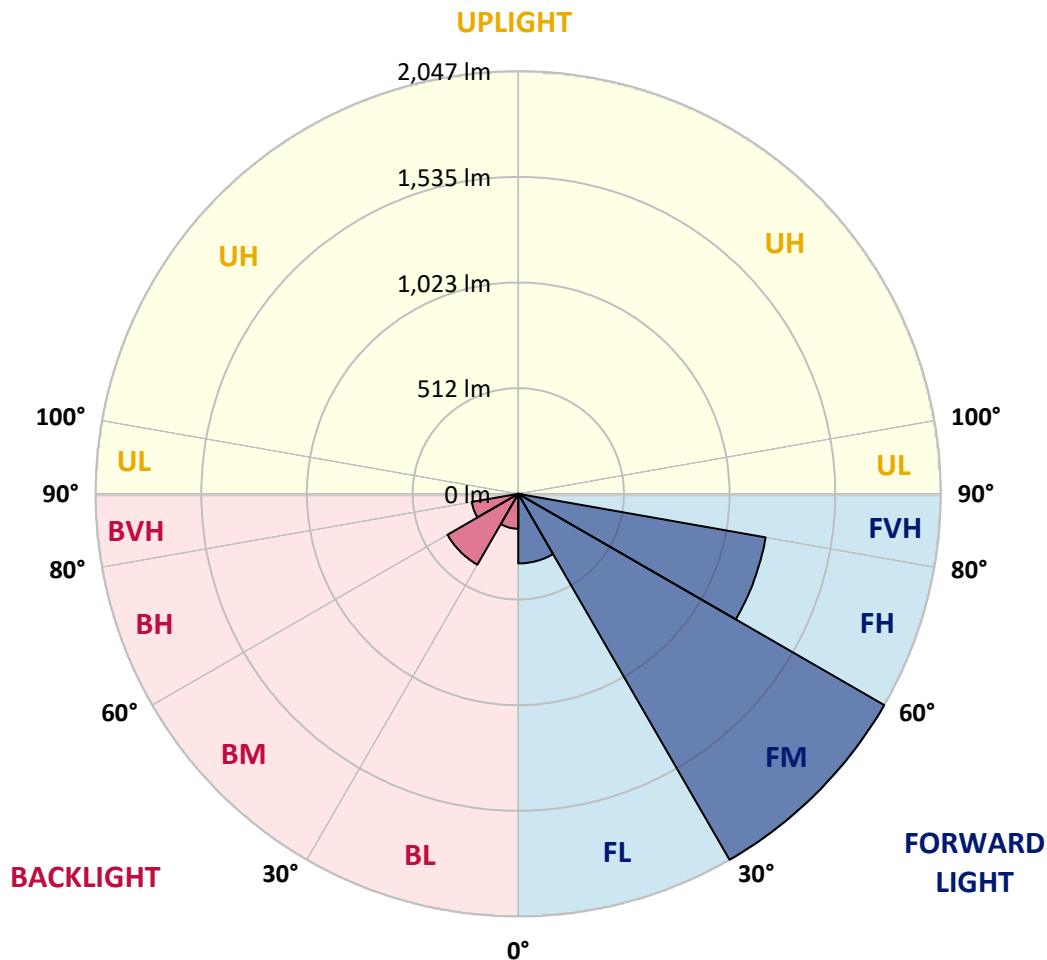


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	337.1	7.6			
FM (30°-60°)	2046.7	46.3			
FH (60°-80°)	1216.6	27.5			G1/1800
FVH (80°-90°)	18.1	0.4			G1/100
BL (0°-30°)	169.1	3.8	B1/500		
BM (30°-60°)	396.1	9.0	B1/1000		
BH (60°-80°)	228.5	5.2	B1/500		G1/500
BVH (80°-90°)	6.8	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°	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1
2.5°	773.8	778.2	775.7	774.4	772.2	769.0	766.4	758.5	750.2	744.8
5°	789.3	793.8	793.5	794.8	796.3	797.3	796.7	787.8	776.0	766.8
7.5°	776.0	781.1	785.2	791.6	802.7	814.5	820.2	818.3	806.2	793.5
10°	738.1	743.5	753.4	768.3	791.9	817.3	838.7	848.5	840.9	826.9
12.5°	668.8	674.2	693.6	726.0	765.5	809.7	850.4	876.8	878.7	864.8
15°	590.8	596.2	616.9	657.6	717.8	788.7	856.8	906.7	923.6	911.5
17.5°	542.5	547.2	562.8	595.6	658.3	746.7	854.6	938.6	977.1	967.5
20°	527.8	532.0	539.3	562.2	614.4	703.1	839.9	968.5	1034.6	1029.2
22.5°	543.4	547.2	549.5	559.6	592.4	674.5	821.5	999.0	1101.5	1102.1
25°	579.4	583.2	580.6	587.0	601.3	665.6	814.5	1035.0	1185.5	1192.5
27.5°	638.5	638.9	632.8	632.5	634.7	678.9	821.8	1073.5	1291.4	1304.4
30°	757.2	752.4	729.2	704.1	692.6	719.0	842.2	1119.0	1416.4	1439.7
32.5°	940.2	933.2	890.5	830.4	769.9	783.6	878.7	1170.8	1552.6	1594.6
35°	1138.7	1136.8	1092.2	1002.8	897.2	875.6	938.2	1238.9	1701.2	1768.0
37.5°	1323.2	1322.3	1296.8	1191.5	1063.0	1003.8	1033.7	1328.0	1860.3	1957.0
40°	1491.8	1494.7	1469.2	1375.1	1245.6	1168.3	1163.5	1438.1	2037.2	2162.8
42.5°	1637.6	1640.7	1615.0	1545.3	1426.0	1350.3	1322.9	1573.0	2209.9	2383.9
45°	1736.5	1756.2	1752.4	1696.7	1611.1	1532.6	1514.4	1742.2	2406.9	2618.4
47.5°	1764.5	1782.6	1811.3	1818.9	1766.7	1689.4	1711.0	1946.2	2606.0	2853.2
50°	1695.5	1712.3	1771.8	1851.0	1887.3	1863.4	1902.3	2164.7	2810.0	3087.4
52.5°	1559.3	1576.5	1651.6	1776.9	1924.8	1999.9	2094.1	2380.1	3007.5	3309.1
55°	1362.3	1380.5	1476.9	1618.8	1853.3	2056.2	2254.1	2595.2	3188.6	3508.6
57.5°	1094.5	1107.8	1208.0	1406.6	1673.2	2000.3	2372.2	2830.0	3359.1	3704.6
60°	713.3	725.1	841.5	1063.0	1374.8	1813.2	2395.7	3091.8	3585.6	3959.5
62.5°	474.4	482.3	551.4	713.9	968.2	1454.0	2258.0	3300.9	3917.8	4403.0
65°	325.5	333.4	402.5	515.7	625.5	961.8	1861.9	3273.2	4218.8	4755.2
67.5°	232.3	238.9	297.5	404.4	452.7	558.7	1262.1	2919.4	4175.5	4768.5
70°	166.4	170.2	218.6	315.0	359.8	335.7	701.9	2232.8	3655.9	4403.3
72.5°	116.4	117.7	151.8	239.9	289.8	245.0	334.1	1488.7	2765.1	3456.1
75°	78.9	80.5	102.1	175.9	232.6	187.1	176.9	798.3	1623.2	1913.1
77.5°	48.4	49.0	65.9	120.3	174.0	142.5	113.9	338.2	628.0	616.6
80°	27.4	27.4	42.0	74.8	118.7	91.9	79.9	143.8	198.8	174.7
82.5°	15.3	15.6	30.5	46.5	78.6	54.4	43.9	66.5	85.9	76.0
85°	6.4	7.0	18.8	22.0	37.5	27.0	17.8	28.0	31.8	28.3
87.5°	0.6	1.0	5.7	4.1	4.5	5.4	2.5	5.4	4.5	4.5
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°
732.1	0°	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1
742.9	2.5°	736.9	732.1	720.0	706.0	687.5	678.6	666.5	658.3	651.3	651.9
761.3	5°	751.2	739.1	712.0	678.3	636.3	606.4	574.6	552.6	534.8	531.0
786.8	7.5°	770.9	751.8	704.4	643.6	572.7	518.9	470.9	440.0	418.1	411.1
817.7	10°	796.3	768.7	694.5	600.0	497.9	429.5	378.0	353.8	338.8	333.7
853.9	12.5°	825.9	788.1	681.5	546.9	420.9	355.1	322.3	310.2	305.4	303.8
898.5	15°	863.2	812.3	661.8	483.9	355.7	309.6	295.6	294.0	294.6	294.0
951.9	17.5°	907.4	838.7	629.6	419.0	311.8	286.3	281.3	282.5	284.1	283.8
1011.7	20°	955.7	864.8	588.6	361.4	281.9	269.8	266.9	268.2	269.5	268.8
1080.8	22.5°	1010.8	892.7	543.1	316.6	261.8	254.5	251.3	251.7	251.7	250.4
1168.3	25°	1076.6	923.6	495.4	284.8	246.6	240.8	237.0	235.8	233.8	230.0
1274.5	27.5°	1155.2	956.4	449.6	262.5	234.5	229.1	224.6	221.4	216.7	210.3
1402.1	30°	1243.7	996.1	410.7	248.5	224.9	219.5	214.4	209.7	202.7	194.7
1548.8	32.5°	1347.7	1038.8	382.4	239.3	216.3	210.6	204.6	198.8	191.2	183.3
1713.6	35°	1471.8	1090.3	365.9	232.9	209.7	202.0	195.3	189.0	183.3	176.3
1892.7	37.5°	1606.4	1145.0	360.8	229.7	205.2	193.4	185.8	181.3	180.7	176.6
2086.5	40°	1753.7	1210.0	364.6	227.8	200.4	185.2	176.9	175.9	177.5	170.2
2293.6	42.5°	1909.6	1286.9	371.0	225.6	193.8	176.9	168.9	168.9	167.7	157.5
2512.5	45°	2078.2	1375.7	377.3	220.2	185.8	168.6	162.6	160.4	154.9	145.1
2732.6	47.5°	2248.1	1466.1	382.1	210.3	176.3	161.6	156.2	151.1	143.2	134.3
2948.7	50°	2409.4	1547.2	377.0	195.7	165.4	154.9	149.2	142.2	133.6	127.6
3153.3	52.5°	2553.5	1617.5	355.4	178.5	154.0	147.9	142.9	135.5	128.5	122.2
3337.8	55°	2678.9	1674.5	317.2	162.3	143.8	141.9	136.8	127.6	118.0	112.6
3520.7	57.5°	2799.1	1717.7	269.5	148.9	134.6	135.2	127.6	119.3	110.4	104.7
3767.3	60°	2959.2	1775.6	221.1	136.5	124.7	126.6	118.4	112.3	101.2	93.9
4190.1	62.5°	3215.0	1865.7	175.6	121.2	113.3	113.9	110.4	103.1	89.7	81.1
4503.5	65°	3418.0	1832.6	138.4	104.7	100.2	101.2	101.2	93.2	78.9	69.0
4520.4	67.5°	3395.1	1569.1	110.4	88.4	87.8	88.4	90.7	84.0	70.0	62.0
4176.1	70°	3127.5	1248.1	88.4	73.5	76.4	74.8	81.1	76.7	63.0	55.0
3237.6	72.5°	2551.9	899.1	67.4	60.8	58.5	61.1	73.2	69.0	52.5	43.6
1714.9	75°	1491.2	479.8	50.3	48.0	42.3	50.9	64.9	58.9	40.1	32.1
525.6	77.5°	485.5	167.4	36.9	35.3	31.5	41.0	55.4	49.6	32.8	25.5
154.0	80°	130.1	50.6	25.1	23.2	20.4	30.5	43.9	39.5	23.5	16.5
66.2	82.5°	52.2	21.3	14.6	13.0	11.1	21.0	34.7	31.8	17.5	10.5
20.7	85°	16.9	7.0	5.4	4.1	5.1	13.0	20.7	21.6	12.4	5.4
3.2	87.5°	2.2	1.0	1.0	1.3	1.0	2.2	6.4	6.0	3.5	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°
732.1
645.5
522.4
404.1
329.9
302.9
293.7
283.2
268.5
249.8
229.4
209.7
194.1
183.6
175.6
176.3
170.5
157.5
144.8
133.9
126.6
121.5
112.0
104.0
92.9
80.5
68.1
60.8
54.1
42.6
31.2
24.5
16.2
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4.1
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