

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: P845977

Luminaire Tested: **GLAN-SB1B-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3793 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

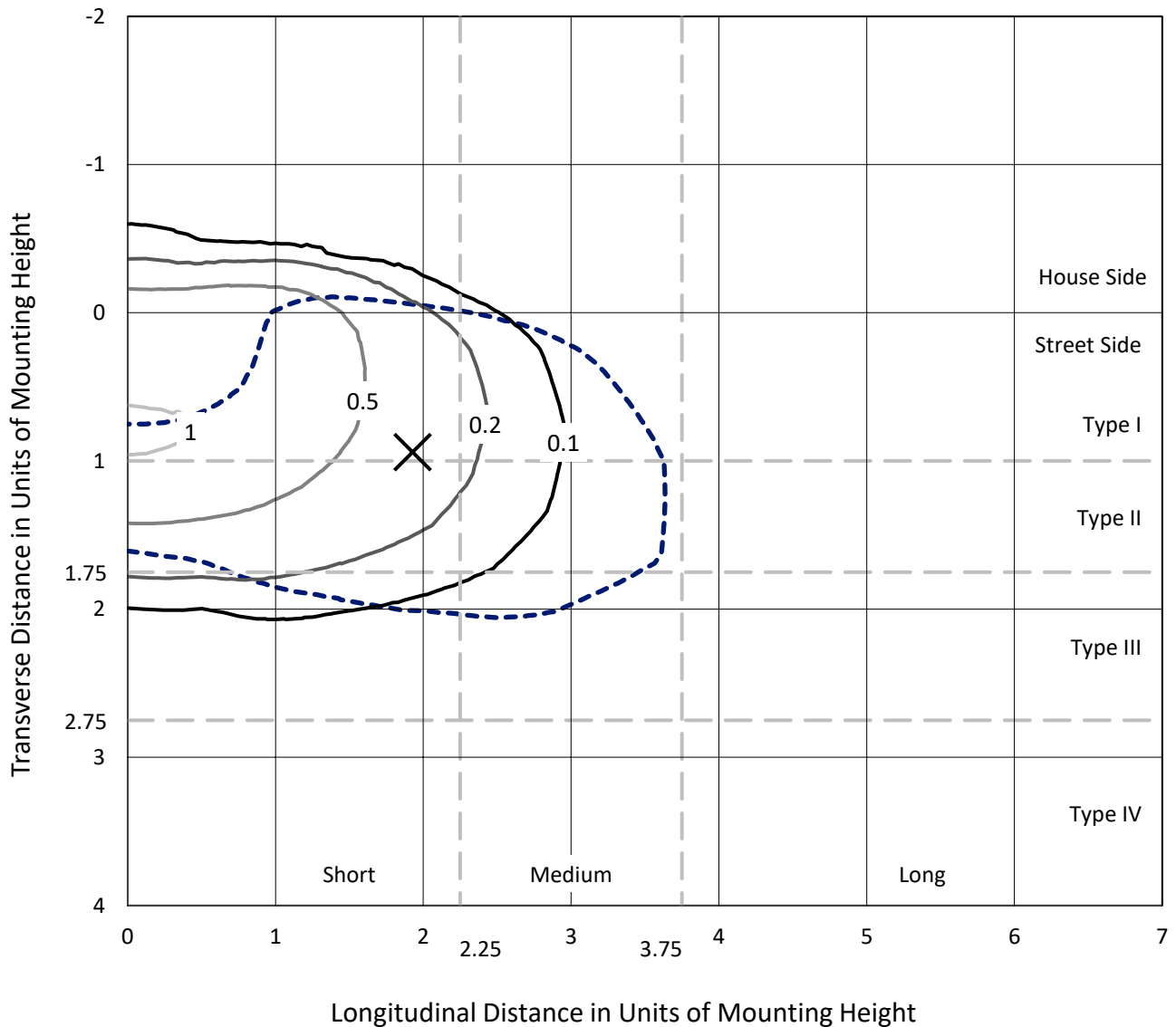
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

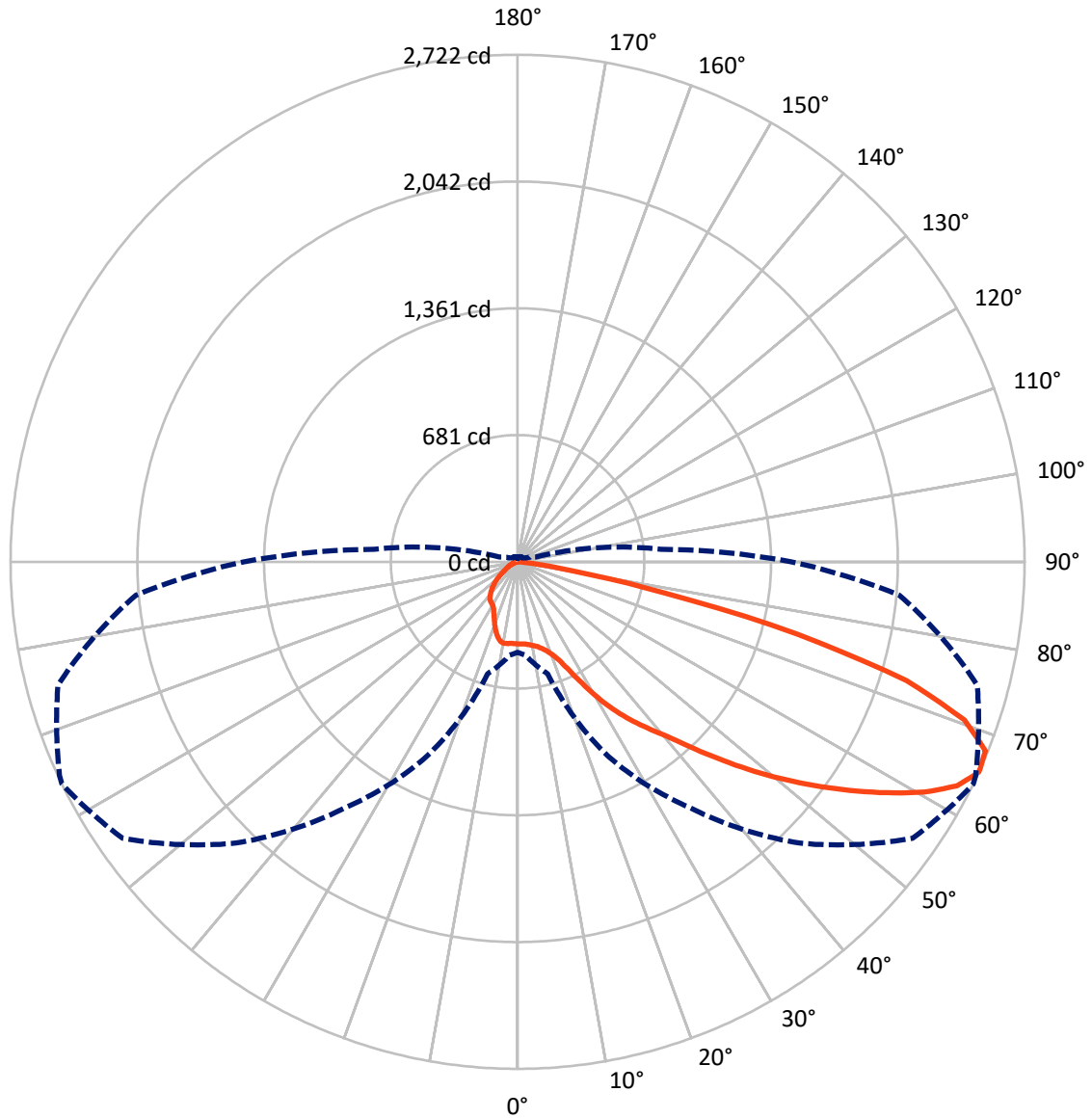
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	507.2	0.0	507.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	3285.8	0.0	3285.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	3793.0	0.0	3793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	1.1
10°-20°	110.4	2.9
20°-30°	209.2	5.5
30°-40°	423.3	11.2
40°-50°	721.1	19.0
50°-60°	980.6	25.9
60°-70°	920.9	24.3
70°-80°	368.9	9.7
80°-90°	17.9	0.5
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°	3793.0	100.0
0°-180°	3793.0	100.0

Coefficient of Utilization



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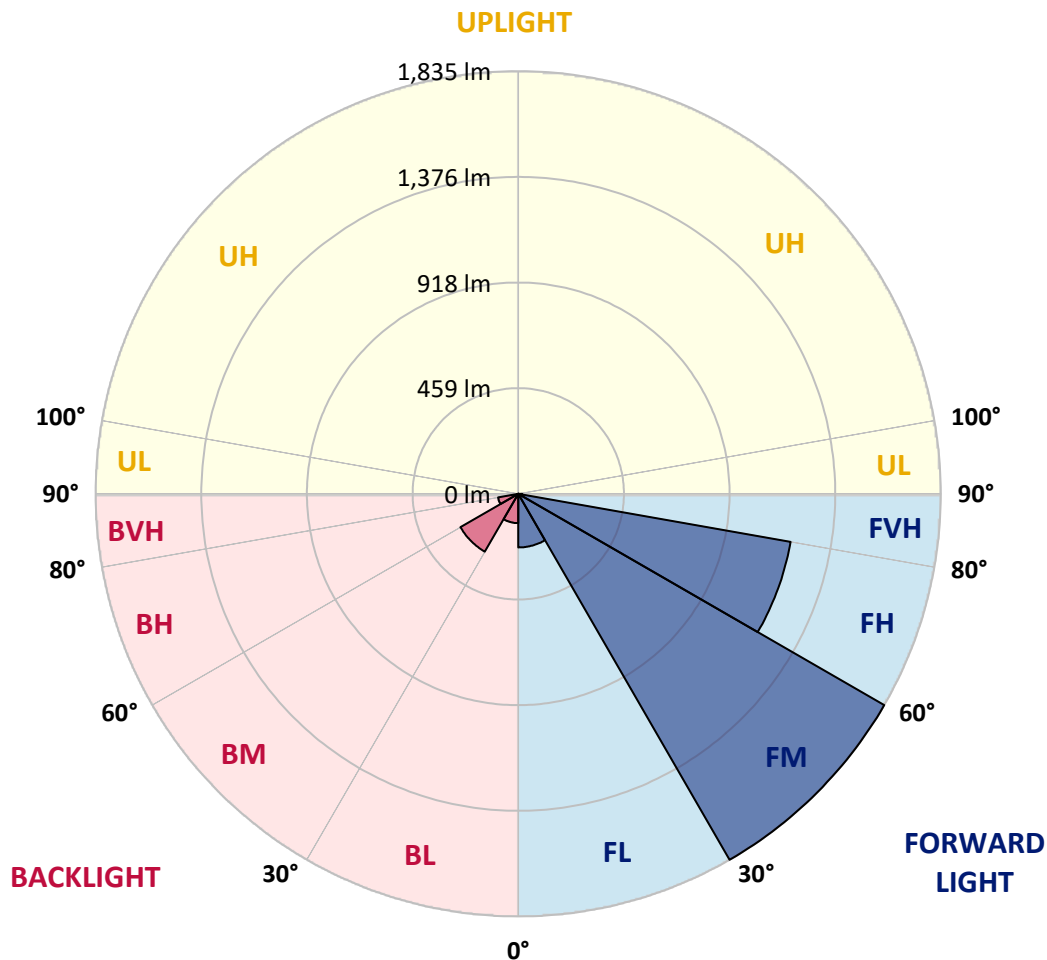
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.9	6.1			
FM (30°-60°)	1835.0	48.4			
FH (60°-80°)	1200.8	31.7			G1/1800
FVH (80°-90°)	17.0	0.4			G1/100
BL (0°-30°)	127.4	3.4	B1/500		
BM (30°-60°)	290.0	7.6	B1/1000		
BH (60°-80°)	89.0	2.3	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2
2.5°	439.6	442.7	441.9	441.2	440.9	441.4	441.7	441.4	441.4	441.4
5°	431.2	433.8	433.8	435.6	438.1	441.2	443.5	444.0	444.5	445.2
7.5°	415.2	417.3	418.8	424.6	431.0	439.1	446.0	449.6	450.1	452.9
10°	404.3	406.8	409.4	415.5	424.6	436.8	448.5	457.2	458.5	465.1
12.5°	403.8	406.3	409.6	416.2	426.9	439.9	454.1	466.6	468.9	478.5
15°	409.1	412.2	415.2	423.4	434.8	450.6	465.8	481.3	483.6	497.4
17.5°	420.1	424.1	426.4	434.6	446.8	464.3	484.4	502.2	504.2	520.2
20°	441.7	446.5	447.3	453.9	465.8	484.6	508.5	530.7	533.2	551.5
22.5°	486.4	493.3	487.2	490.5	501.2	520.0	545.9	573.9	577.5	598.3
25°	565.3	574.9	559.1	553.6	558.1	577.7	610.3	645.6	649.7	666.5
27.5°	720.1	707.6	683.7	660.3	646.6	657.8	694.4	738.2	743.2	759.5
30°	890.2	879.3	847.0	795.1	762.6	760.8	794.6	843.4	849.3	864.8
32.5°	1060.6	1050.2	1015.1	951.2	894.8	866.8	890.2	944.4	947.4	957.3
35°	1228.1	1217.5	1182.4	1117.0	1047.6	984.0	979.5	1040.5	1041.5	1051.9
37.5°	1396.7	1387.8	1350.4	1286.4	1218.0	1130.2	1087.8	1131.5	1132.8	1143.0
40°	1517.0	1520.8	1495.1	1445.5	1386.8	1290.9	1209.3	1228.4	1220.8	1237.8
42.5°	1620.2	1627.9	1605.5	1580.6	1546.5	1462.1	1359.9	1356.6	1344.3	1353.5
45°	1709.5	1715.8	1695.8	1689.9	1689.1	1629.9	1524.4	1504.5	1487.5	1485.7
47.5°	1742.3	1754.5	1763.1	1782.7	1820.9	1795.9	1694.5	1663.7	1644.6	1630.7
50°	1754.7	1767.7	1797.2	1854.2	1944.4	1955.1	1863.8	1829.2	1805.9	1780.4
52.5°	1738.0	1761.1	1800.8	1896.6	2027.6	2082.8	2026.3	1996.1	1969.4	1927.9
55°	1639.0	1662.2	1743.3	1896.1	2069.0	2172.3	2179.9	2166.4	2136.4	2071.1
57.5°	1430.5	1464.9	1593.3	1831.5	2068.3	2249.3	2330.4	2340.1	2306.5	2212.9
60°	1141.7	1188.2	1344.9	1688.4	2004.4	2291.0	2462.4	2510.7	2475.1	2352.8
62.5°	796.6	850.5	998.8	1464.1	1858.5	2261.0	2558.8	2648.0	2621.1	2477.9
65°	485.9	503.2	622.7	1152.1	1610.3	2135.4	2588.5	2722.3	2713.4	2554.4
67.5°	323.7	338.2	372.5	790.0	1250.0	1884.4	2517.3	2709.3	2711.8	2542.0
70°	195.0	207.5	229.9	459.5	810.1	1491.6	2296.9	2544.0	2558.8	2375.4
72.5°	80.4	88.7	109.1	208.3	419.6	946.7	1829.0	2184.2	2218.5	1997.3
75°	45.5	49.8	64.1	104.5	182.1	441.2	1107.9	1550.6	1601.2	1376.6
77.5°	30.3	32.3	41.4	67.6	102.5	150.5	473.5	807.8	904.5	751.9
80°	20.3	22.1	28.5	45.3	66.6	64.6	150.8	299.3	368.2	258.3
82.5°	13.7	14.0	20.3	29.8	42.2	31.3	44.5	93.1	117.0	74.8
85°	7.9	7.6	15.0	17.3	18.8	13.0	13.5	28.0	36.6	31.5
87.5°	1.0	1.5	5.8	4.6	2.5	2.8	2.8	4.8	7.1	7.6
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°
441.2	0°	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2
441.7	2.5°	441.7	441.4	440.7	439.9	438.1	437.1	437.6	437.1	436.8	437.1
445.0	5°	445.0	444.2	442.2	439.6	436.1	431.8	429.0	424.9	421.1	418.8
453.9	7.5°	453.9	453.1	450.3	443.2	431.8	413.7	397.2	382.7	371.7	365.4
468.1	10°	468.1	466.8	462.5	446.8	416.8	377.3	344.5	317.3	299.5	291.1
484.9	12.5°	484.9	483.4	475.7	443.5	388.3	326.7	281.5	251.2	234.7	227.3
504.2	15°	504.7	502.7	487.7	427.7	346.8	270.8	229.4	206.7	196.0	189.4
528.9	17.5°	529.4	525.8	496.6	404.0	301.8	228.1	197.3	180.3	170.9	164.5
561.2	20°	561.4	555.6	503.7	375.8	260.4	201.1	175.7	161.5	154.3	148.8
607.0	22.5°	606.2	597.8	512.4	345.3	231.1	182.6	159.7	149.3	143.4	137.1
670.8	25°	661.6	651.7	523.0	317.1	211.0	166.5	148.0	139.3	132.5	125.1
754.4	27.5°	739.2	721.4	535.8	293.9	193.8	152.8	137.3	127.6	119.8	113.7
849.3	30°	825.6	796.4	546.9	280.0	178.0	140.1	123.3	113.7	106.3	102.0
934.5	32.5°	907.5	867.8	554.3	273.9	163.8	125.6	108.1	97.6	92.0	90.8
1017.9	35°	984.8	932.4	553.6	268.0	151.0	111.1	93.1	82.4	78.1	78.8
1107.6	37.5°	1073.8	1001.3	548.2	258.9	140.6	97.9	80.1	70.7	66.9	67.1
1216.7	40°	1177.3	1080.9	544.9	241.6	129.2	85.7	69.4	61.8	59.0	58.0
1331.6	42.5°	1287.6	1158.0	545.4	222.0	114.9	74.8	62.0	55.7	53.1	52.4
1459.5	45°	1398.5	1231.4	546.2	201.6	99.9	66.4	56.7	51.4	49.8	48.8
1589.2	47.5°	1502.8	1294.0	531.9	179.8	85.2	60.0	52.4	48.8	47.5	46.3
1719.4	50°	1599.9	1335.7	497.6	154.3	73.5	54.9	49.1	46.5	45.3	44.0
1837.4	52.5°	1675.4	1342.3	440.9	128.2	65.3	51.1	47.0	44.8	43.2	42.0
1932.7	55°	1709.0	1300.9	360.3	103.7	59.0	47.8	45.0	42.7	40.9	39.7
2007.7	57.5°	1700.3	1213.6	281.0	83.4	52.9	44.5	42.5	40.9	38.9	36.9
2068.5	60°	1657.9	1096.9	211.8	69.4	47.3	40.9	39.7	38.4	35.6	32.5
2091.9	62.5°	1584.4	950.2	151.0	57.5	41.2	36.9	36.4	35.3	31.3	25.7
2057.3	65°	1472.0	772.0	101.7	47.8	35.3	32.3	32.5	30.8	25.4	19.1
1930.7	67.5°	1307.7	564.5	65.1	39.2	29.5	27.0	27.2	26.2	21.6	16.3
1690.7	70°	1098.5	373.8	42.5	29.8	23.6	20.9	22.4	22.6	18.3	13.2
1297.6	72.5°	805.3	220.7	29.8	22.1	17.3	14.5	18.3	18.8	14.7	9.9
780.6	75°	459.0	104.8	22.4	16.0	10.7	10.2	14.2	14.2	10.2	6.6
337.9	77.5°	192.7	43.7	15.8	10.4	6.1	5.8	9.7	8.9	5.1	3.1
82.4	80°	55.7	19.6	8.4	5.1	2.5	2.3	3.8	2.8	1.3	0.5
31.3	82.5°	21.9	8.6	3.3	2.0	1.0	1.0	0.5	0.0	0.0	0.0
17.8	85°	13.0	3.6	1.5	0.8	0.3	0.0	0.0	0.0	0.0	0.0
3.8	87.5°	3.3	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
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441.2
438.1
419.3
365.6
290.4
226.6
189.7
164.0
147.7
136.0
124.3
112.4
101.2
91.5
78.8
68.1
57.7
52.1
48.8
46.3
44.0
41.7
39.4
36.6
32.0
25.2
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