

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: P845787

Luminaire Tested: **GLAN-SB1A-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845787
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-SB1A-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2914 lumens
Efficiency: N/A
Efficacy: 94.3 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

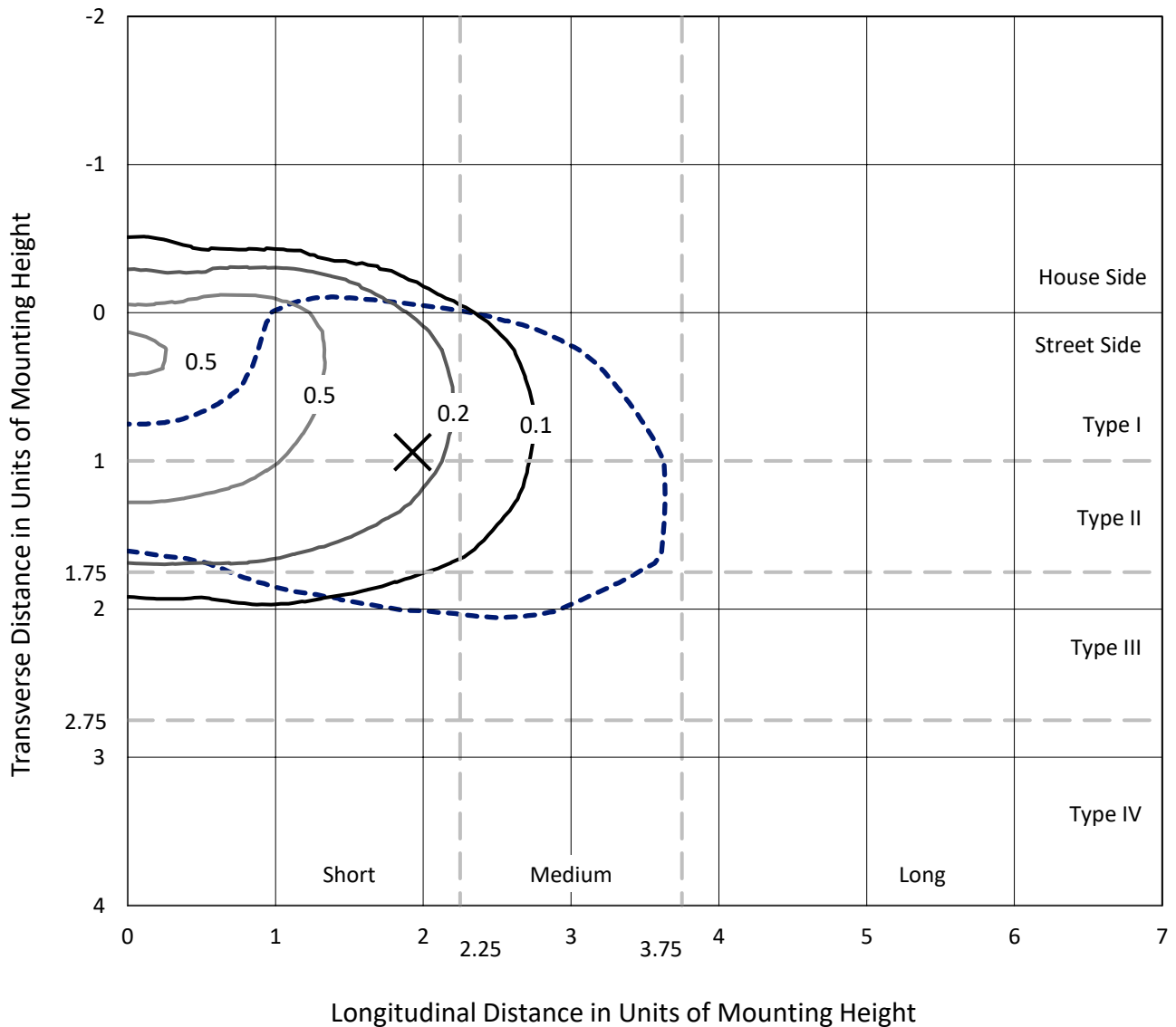
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

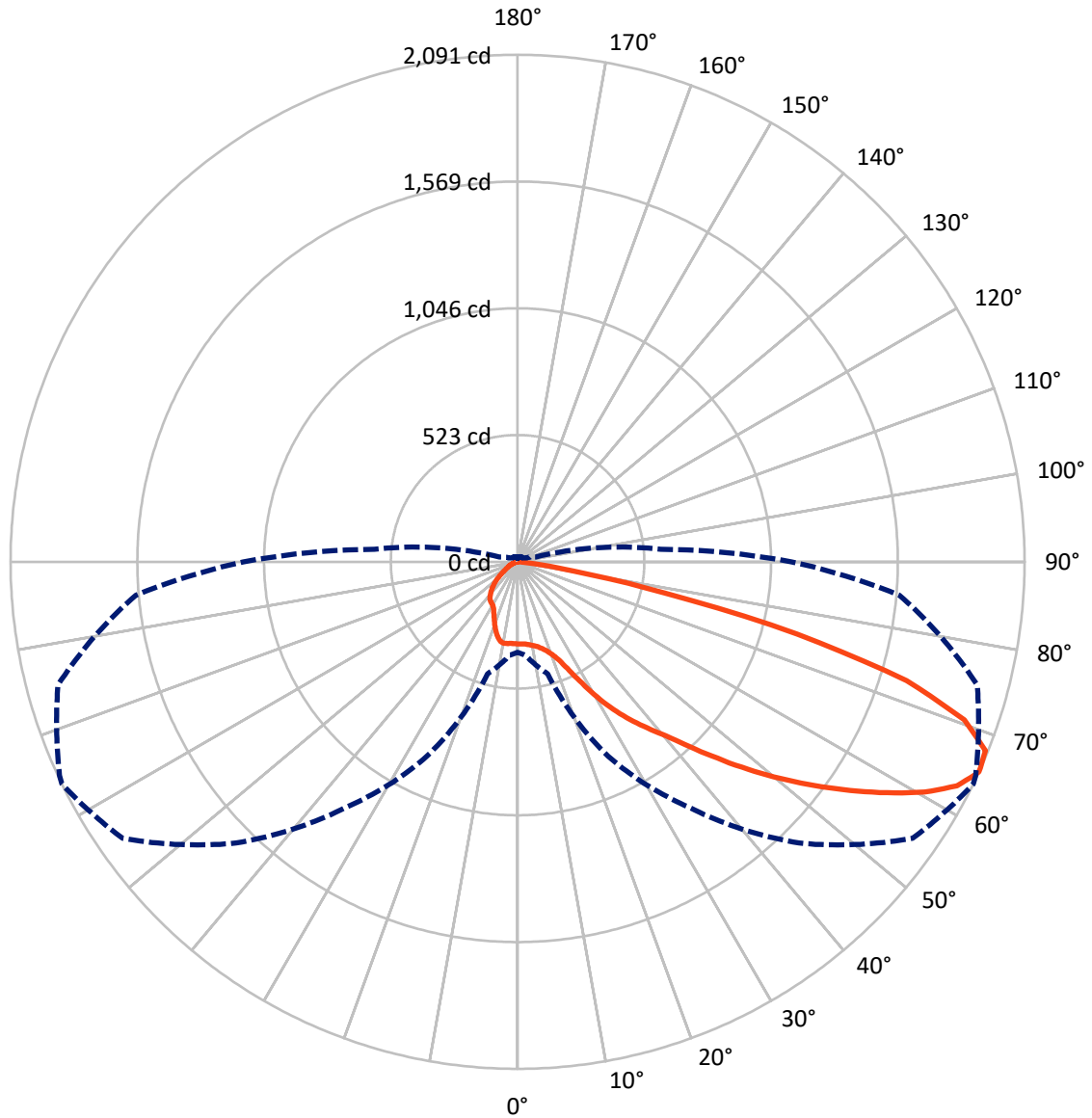
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type 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	389.7	0.0	389.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	2524.3	0.0	2524.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	2914.0	0.0	2914.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	1.1
10°-20°	84.8	2.9
20°-30°	160.7	5.5
30°-40°	325.2	11.2
40°-50°	554.0	19.0
50°-60°	753.4	25.9
60°-70°	707.5	24.3
70°-80°	283.4	9.7
80°-90°	13.7	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°	2914.0	100.0
0°-180°	2914.0	100.0

Coefficient of Utilization



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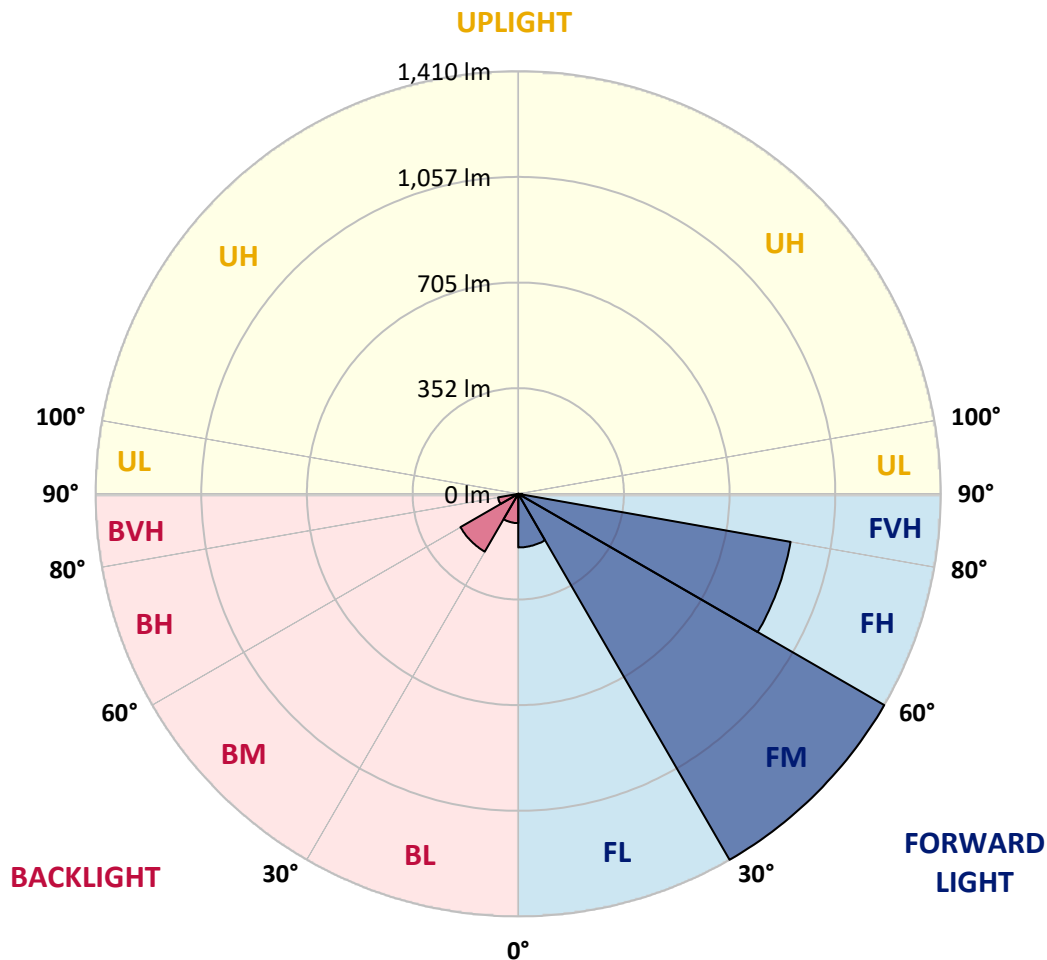
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.0	6.1			
FM (30°-60°)	1409.8	48.4			
FH (60°-80°)	922.5	31.7			G1/1800
FVH (80°-90°)	13.1	0.4			G1/100
BL (0°-30°)	97.8	3.4	B0/110		
BM (30°-60°)	222.8	7.6	B1/1000		
BH (60°-80°)	68.4	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	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°	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9
2.5°	337.8	340.1	339.5	338.9	338.7	339.1	339.3	339.1	339.1	339.1
5°	331.3	333.3	333.3	334.6	336.6	338.9	340.7	341.1	341.5	342.1
7.5°	319.0	320.6	321.7	326.2	331.1	337.4	342.6	345.4	345.8	347.9
10°	310.6	312.6	314.5	319.2	326.2	335.6	344.6	351.2	352.2	357.3
12.5°	310.2	312.2	314.7	319.8	328.0	338.0	348.9	358.5	360.2	367.6
15°	314.3	316.7	319.0	325.3	334.0	346.2	357.9	369.8	371.6	382.1
17.5°	322.7	325.8	327.6	333.8	343.2	356.7	372.1	385.8	387.4	399.7
20°	339.3	343.0	343.6	348.7	357.9	372.3	390.7	407.7	409.6	423.7
22.5°	373.7	379.0	374.3	376.8	385.0	399.5	419.4	440.9	443.6	459.7
25°	434.3	441.7	429.6	425.3	428.8	443.8	468.8	496.0	499.1	512.0
27.5°	553.2	543.7	525.3	507.3	496.8	505.4	533.5	567.1	571.0	583.5
30°	683.9	675.5	650.7	610.9	585.8	584.5	610.5	648.0	652.5	664.4
32.5°	814.8	806.8	779.8	730.8	687.4	665.9	683.9	725.5	727.9	735.5
35°	943.5	935.3	908.4	858.2	804.8	756.0	752.5	799.4	800.1	808.2
37.5°	1073.0	1066.2	1037.5	988.3	935.7	868.3	835.7	869.3	870.3	878.1
40°	1165.4	1168.4	1148.6	1110.6	1065.4	991.8	929.1	943.7	937.9	951.0
42.5°	1244.8	1250.6	1233.4	1214.3	1188.1	1123.2	1044.7	1042.2	1032.8	1039.8
45°	1313.3	1318.2	1302.8	1298.3	1297.7	1252.2	1171.1	1155.9	1142.8	1141.4
47.5°	1338.5	1347.9	1354.5	1369.6	1398.9	1379.7	1301.8	1278.2	1263.5	1252.8
50°	1348.1	1358.1	1380.7	1424.5	1493.8	1502.0	1431.9	1405.3	1387.4	1367.8
52.5°	1335.2	1353.0	1383.5	1457.1	1557.7	1600.1	1556.7	1533.5	1513.0	1481.1
55°	1259.2	1277.0	1339.3	1456.7	1589.5	1668.9	1674.7	1664.4	1641.3	1591.1
57.5°	1099.0	1125.4	1224.0	1407.1	1589.0	1728.0	1790.4	1797.8	1772.0	1700.1
60°	877.1	912.9	1033.2	1297.1	1539.9	1760.1	1891.7	1928.9	1901.5	1807.6
62.5°	612.0	653.4	767.3	1124.8	1427.8	1737.0	1965.8	2034.4	2013.6	1903.7
65°	373.3	386.6	478.4	885.1	1237.1	1640.5	1988.6	2091.4	2084.6	1962.5
67.5°	248.7	259.8	286.2	606.9	960.3	1447.7	1933.9	2081.4	2083.4	1952.9
70°	149.8	159.4	176.6	353.0	622.4	1145.9	1764.6	1954.5	1965.8	1824.9
72.5°	61.7	68.2	83.8	160.0	322.3	727.3	1405.1	1678.0	1704.4	1534.5
75°	35.0	38.3	49.2	80.3	139.9	338.9	851.1	1191.2	1230.1	1057.6
77.5°	23.2	24.8	31.8	52.0	78.7	115.6	363.7	620.6	694.9	577.6
80°	15.6	17.0	21.9	34.8	51.2	49.6	115.8	229.9	282.9	198.5
82.5°	10.5	10.7	15.6	22.9	32.4	24.0	34.2	71.5	89.9	57.4
85°	6.1	5.9	11.5	13.3	14.5	10.0	10.4	21.5	28.1	24.2
87.5°	0.8	1.2	4.5	3.5	2.0	2.1	2.1	3.7	5.5	5.9
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°
338.9	0°	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9
339.3	2.5°	339.3	339.1	338.5	338.0	336.6	335.8	336.2	335.8	335.6	335.8
341.9	5°	341.9	341.3	339.7	337.8	335.0	331.7	329.6	326.4	323.5	321.7
348.7	7.5°	348.7	348.1	346.0	340.5	331.7	317.8	305.1	294.0	285.6	280.7
359.6	10°	359.6	358.7	355.3	343.2	320.2	289.9	264.7	243.8	230.1	223.7
372.5	12.5°	372.5	371.4	365.5	340.7	298.3	251.0	216.3	193.0	180.3	174.6
387.4	15°	387.8	386.2	374.7	328.6	266.5	208.0	176.2	158.8	150.6	145.5
406.3	17.5°	406.7	404.0	381.5	310.4	231.9	175.2	151.6	138.5	131.3	126.4
431.1	20°	431.3	426.8	387.0	288.7	200.0	154.5	135.0	124.0	118.6	114.3
466.3	22.5°	465.7	459.3	393.6	265.3	177.6	140.3	122.7	114.7	110.2	105.3
515.3	25°	508.3	500.7	401.8	243.6	162.1	128.0	113.7	107.1	101.8	96.1
579.6	27.5°	567.9	554.2	411.6	225.8	148.9	117.4	105.5	98.1	92.0	87.3
652.5	30°	634.3	611.8	420.2	215.1	136.7	107.6	94.7	87.3	81.7	78.3
717.9	32.5°	697.2	666.7	425.9	210.4	125.8	96.5	83.0	75.0	70.7	69.7
782.0	35°	756.6	716.3	425.3	205.9	116.0	85.4	71.5	63.3	60.0	60.6
850.9	37.5°	825.0	769.3	421.2	198.9	108.0	75.2	61.5	54.3	51.4	51.6
934.7	40°	904.5	830.4	418.6	185.6	99.2	65.8	53.3	47.5	45.3	44.5
1023.0	42.5°	989.2	889.6	419.0	170.5	88.3	57.4	47.7	42.8	40.8	40.2
1121.3	45°	1074.4	946.1	419.6	154.9	76.8	51.0	43.6	39.5	38.3	37.5
1220.9	47.5°	1154.5	994.1	408.7	138.1	65.4	46.1	40.2	37.5	36.5	35.6
1320.9	50°	1229.1	1026.2	382.3	118.6	56.5	42.2	37.7	35.7	34.8	33.8
1411.6	52.5°	1287.1	1031.2	338.7	98.5	50.2	39.3	36.1	34.4	33.2	32.2
1484.8	55°	1312.9	999.4	276.8	79.7	45.3	36.7	34.6	32.8	31.5	30.5
1542.5	57.5°	1306.3	932.4	215.9	64.1	40.6	34.2	32.6	31.5	29.9	28.3
1589.2	60°	1273.7	842.7	162.7	53.3	36.3	31.5	30.5	29.5	27.3	25.0
1607.1	62.5°	1217.2	730.0	116.0	44.1	31.6	28.3	27.9	27.2	24.0	19.7
1580.6	65°	1130.9	593.1	78.1	36.7	27.2	24.8	25.0	23.6	19.5	14.7
1483.3	67.5°	1004.7	433.7	50.0	30.1	22.7	20.7	20.9	20.1	16.6	12.5
1298.9	70°	843.9	287.2	32.6	22.9	18.2	16.0	17.2	17.4	14.1	10.2
996.9	72.5°	618.7	169.6	22.9	17.0	13.3	11.1	14.1	14.5	11.3	7.6
599.7	75°	352.6	80.5	17.2	12.3	8.2	7.8	10.9	10.9	7.8	5.1
259.6	77.5°	148.1	33.6	12.1	8.0	4.7	4.5	7.4	6.8	3.9	2.3
63.3	80°	42.8	15.0	6.4	3.9	2.0	1.8	2.9	2.1	1.0	0.4
24.0	82.5°	16.8	6.6	2.5	1.6	0.8	0.8	0.4	0.0	0.0	0.0
13.7	85°	10.0	2.7	1.2	0.6	0.2	0.0	0.0	0.0	0.0	0.0
2.9	87.5°	2.5	0.6	0.4	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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338.9
336.6
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