

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: P852276

Luminaire Tested: **GLAN-SB2C-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7303 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

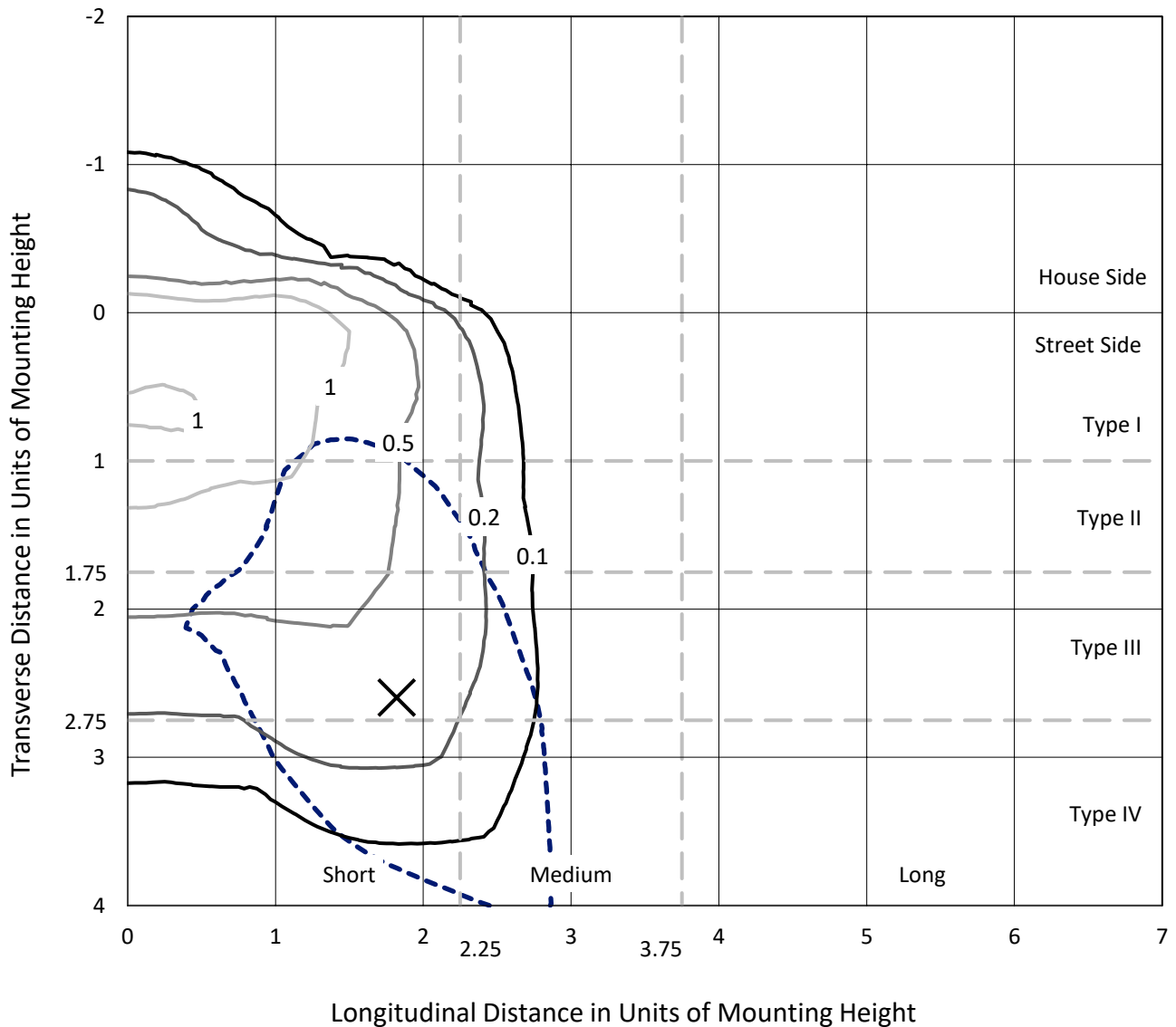
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

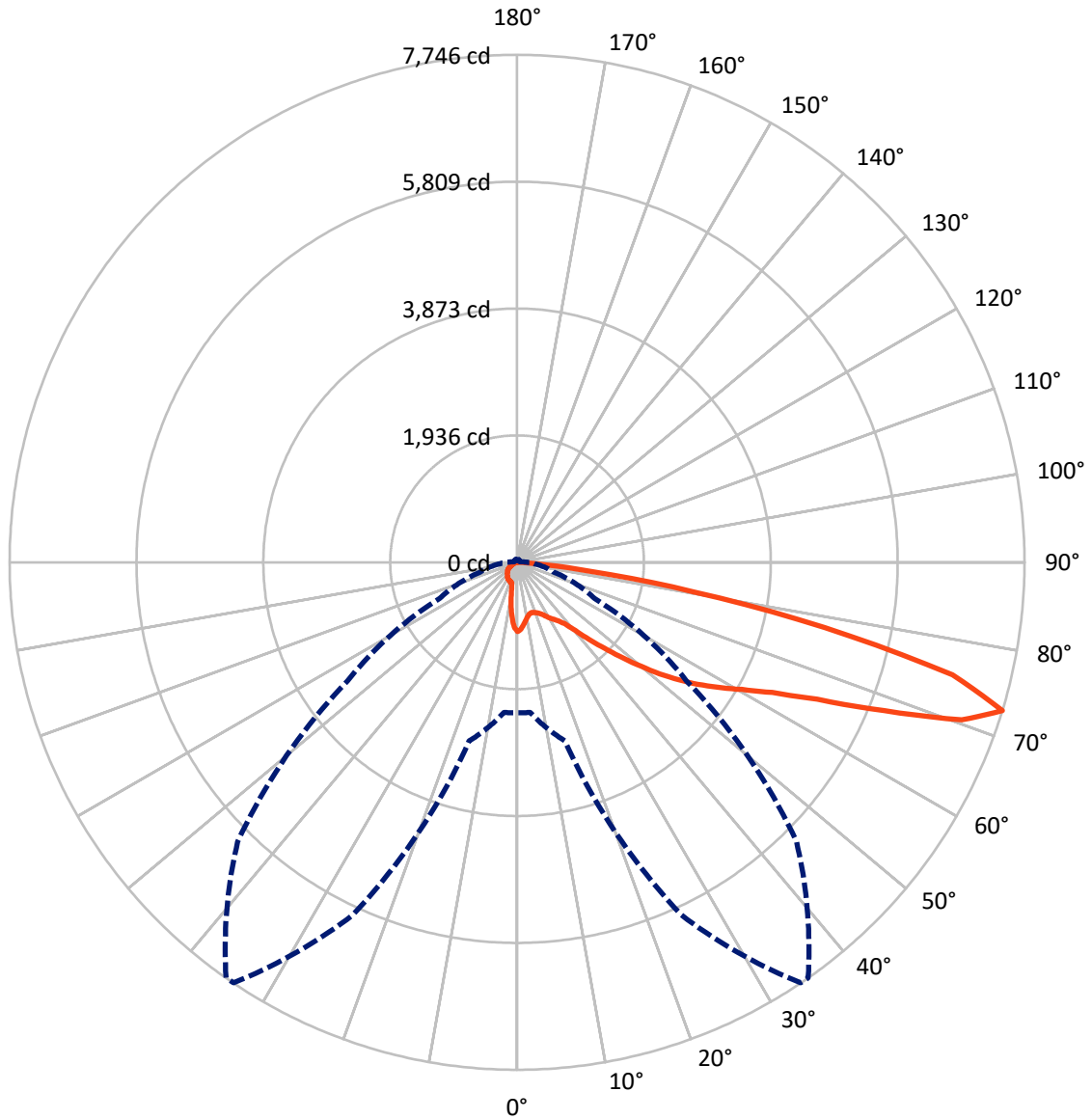
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	821.9	0.0	821.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	6481.1	0.0	6481.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	7303.0	0.0	7303.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	1.2
10°-20°	203.5	2.8
20°-30°	330.5	4.5
30°-40°	551.5	7.6
40°-50°	1043.4	14.3
50°-60°	1658.0	22.7
60°-70°	2051.1	28.1
70°-80°	1275.0	17.5
80°-90°	103.0	1.4
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°	7303.0	100.0
0°-180°	7303.0	100.0

Coefficient of Utilization



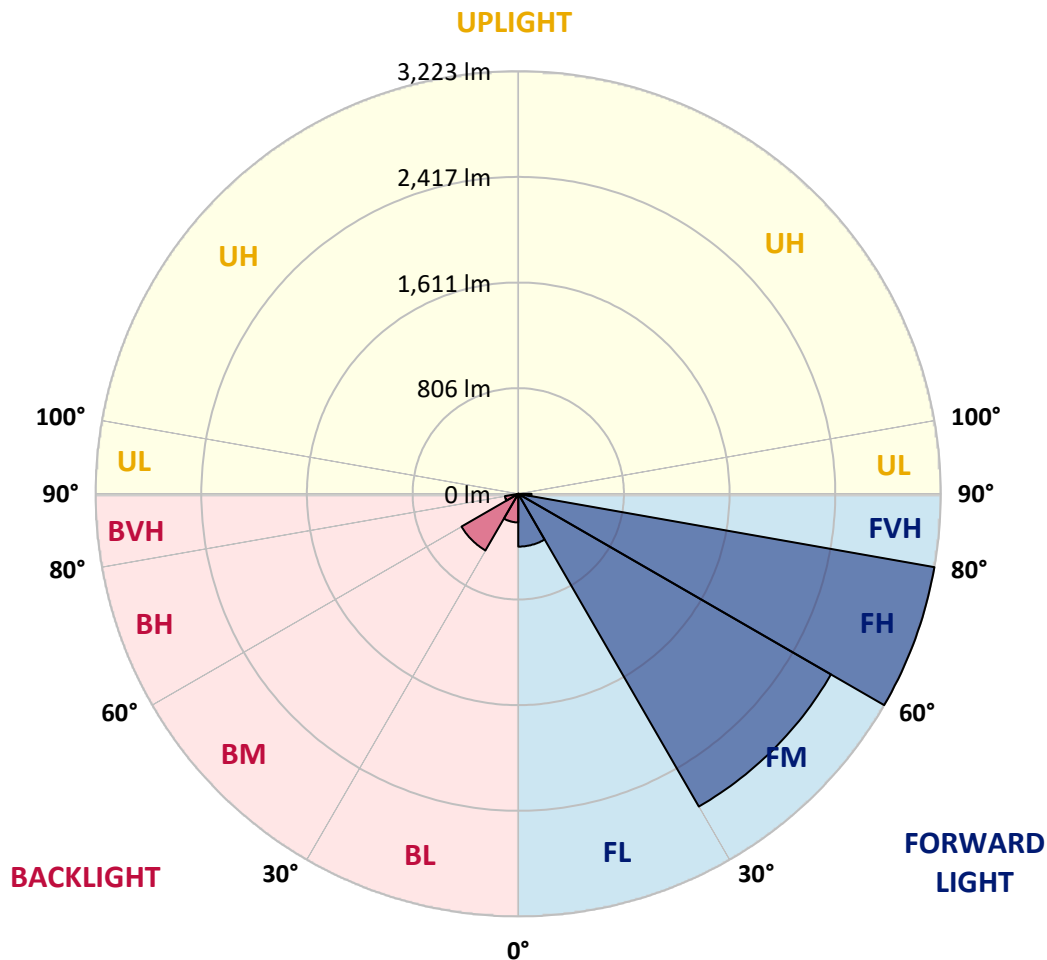
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	402.6	5.5			
FM	(30°-60°)	2754.0	37.7			
FH	(60°-80°)	3222.9	44.1			G2/5000
FVH	(80°-90°)	101.6	1.4			G2/225
BL	(0°-30°)	218.4	3.0	B1/500		
BM	(30°-60°)	499.0	6.8	B1/1000		
BH	(60°-80°)	103.1	1.4	B0/110		G0/110
BVH	(80°-90°)	1.4	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-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1058.4	1058.4	1058.4	1058.4	1058.4	1058.4	1058.4	1058.4	1058.4	1058.4
2.5°	1011.4	1019.9	1021.5	1024.2	1024.2	1027.4	1032.8	1040.3	1052.6	1059.0
5°	932.2	938.6	946.6	953.0	965.3	966.9	987.8	1008.1	1036.5	1057.9
7.5°	852.4	859.9	870.6	886.1	902.2	907.0	938.6	972.8	1017.8	1057.9
10°	796.2	796.8	806.4	821.9	847.6	853.5	892.0	940.7	996.9	1051.5
12.5°	764.7	768.4	772.7	784.5	809.1	812.8	854.0	911.3	976.0	1047.7
15°	764.7	767.3	770.0	775.9	795.7	798.9	835.3	892.6	965.3	1049.4
17.5°	772.7	777.0	774.8	781.8	802.7	804.8	836.9	887.2	964.8	1059.5
20°	792.0	795.2	790.9	795.2	816.0	820.3	853.5	897.4	973.9	1077.2
22.5°	822.5	824.1	813.9	817.1	838.5	843.9	882.4	926.3	995.8	1105.5
25°	861.0	864.2	848.7	852.4	872.8	879.2	923.6	969.6	1030.6	1144.6
27.5°	905.4	907.0	893.6	893.1	919.3	928.4	973.4	1023.1	1077.2	1193.8
30°	956.2	961.1	948.2	946.1	979.3	986.7	1031.2	1089.0	1145.7	1267.7
32.5°	996.4	1000.1	992.6	998.0	1031.7	1037.6	1101.3	1182.1	1253.2	1372.6
35°	1054.2	1056.3	1039.2	1048.8	1087.3	1102.3	1197.0	1312.6	1388.6	1504.2
37.5°	1263.4	1263.4	1190.6	1143.0	1179.9	1193.3	1328.1	1476.9	1555.6	1680.8
40°	1552.9	1548.1	1441.6	1344.2	1339.4	1365.6	1514.9	1684.0	1771.2	1892.7
42.5°	1861.7	1854.2	1709.1	1612.8	1596.8	1605.9	1730.5	1939.2	2028.1	2151.1
45°	2135.6	2133.5	2000.8	1871.3	1842.4	1871.3	1999.7	2237.8	2301.5	2431.0
47.5°	2365.2	2365.2	2268.3	2183.8	2168.8	2185.9	2364.1	2569.1	2563.2	2729.1
50°	2629.5	2627.4	2535.4	2499.0	2514.5	2538.6	2783.6	2918.0	2833.9	3021.8
52.5°	2814.7	2827.5	2796.0	2790.1	2869.3	2911.0	3209.6	3259.4	3076.4	3299.5
55°	2961.3	2976.3	3012.7	3053.9	3206.4	3261.0	3622.2	3583.1	3279.2	3540.3
57.5°	3168.9	3147.5	3203.7	3285.0	3531.7	3597.6	4021.9	3888.7	3442.4	3735.6
60°	3421.0	3424.2	3433.8	3536.5	3856.5	3941.1	4415.7	4177.6	3547.3	3855.5
62.5°	3723.8	3728.7	3748.5	3906.3	4292.7	4372.4	4835.3	4414.1	3595.4	3821.8
65°	3703.0	3723.3	3944.3	4484.2	4955.7	5034.3	5324.9	4580.0	3522.6	3513.5
67.5°	3373.3	3406.5	3776.3	5174.5	5955.3	6043.0	5916.7	4612.7	3208.5	2732.3
70°	2941.0	2952.7	3397.4	5795.3	7112.7	7201.5	6446.5	4253.6	2434.8	1524.0
72.5°	2296.7	2299.4	2821.1	5939.2	7740.9	7745.7	6030.7	3157.7	1309.4	585.4
75°	1640.7	1624.6	1889.5	4816.5	6810.4	6864.9	4521.2	1481.2	500.3	276.7
77.5°	879.7	897.4	1069.2	2856.4	4704.7	4797.8	2466.9	427.0	254.7	188.4
80°	271.8	286.8	438.3	1307.8	2664.9	2721.0	914.5	190.0	177.7	134.3
82.5°	85.6	88.8	204.4	549.6	1106.1	1131.8	264.9	107.6	121.5	88.8
85°	24.6	25.2	91.0	204.9	273.4	278.8	74.4	41.7	69.6	55.1
87.5°	2.7	8.6	34.2	34.2	24.1	23.5	8.0	9.1	19.8	7.0
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°
1058.4	0°	1058.4	1058.4	1058.4	1058.4	1058.4	1058.4	1058.4	1058.4	1058.4	1058.4
1063.3	2.5°	1060.6	1061.1	1054.2	1042.4	1029.6	1018.9	1005.5	994.8	987.3	985.1
1072.9	5°	1068.1	1064.3	1044.5	1008.7	965.9	929.0	887.7	855.1	833.7	824.6
1083.1	7.5°	1079.3	1068.6	1025.3	954.6	872.8	800.0	726.1	668.9	632.5	614.3
1092.7	10°	1089.0	1067.5	993.2	876.5	751.3	641.1	541.5	472.5	434.0	415.8
1103.9	12.5°	1098.0	1067.0	951.4	783.9	614.3	479.5	386.9	352.6	341.9	338.2
1122.1	15°	1115.2	1068.6	899.0	678.0	477.9	362.3	328.6	328.0	330.2	329.1
1150.0	17.5°	1138.7	1070.2	839.6	565.6	368.7	319.5	317.9	322.7	325.9	324.3
1184.7	20°	1169.2	1076.6	776.4	454.3	316.8	308.8	312.5	316.8	319.5	316.8
1231.3	22.5°	1212.0	1087.9	707.4	364.9	300.2	302.3	305.5	310.4	313.0	309.3
1290.7	25°	1264.5	1105.5	639.5	317.3	292.2	294.8	299.7	305.0	308.2	304.5
1365.6	27.5°	1332.4	1133.9	576.8	306.6	284.1	285.7	292.7	300.7	305.0	300.2
1472.1	30°	1430.9	1180.5	522.8	311.4	279.3	275.6	285.2	296.5	301.3	297.0
1617.1	32.5°	1561.5	1246.3	489.6	318.9	277.2	263.8	272.9	287.4	295.4	292.7
1806.5	35°	1732.7	1346.3	476.8	327.5	275.6	251.5	257.9	273.4	287.4	290.0
2045.2	37.5°	1940.3	1485.5	480.5	331.2	270.8	241.3	244.5	257.9	276.1	284.7
2313.8	40°	2176.3	1647.6	501.9	327.5	265.4	232.8	233.3	243.5	259.5	272.4
2602.8	42.5°	2419.8	1837.0	541.5	313.6	260.6	225.3	223.7	230.6	241.3	250.4
2891.2	45°	2651.5	2031.8	580.6	294.3	254.7	217.8	214.0	216.7	218.9	222.6
3172.1	47.5°	2853.7	2168.8	569.4	276.7	246.7	209.2	202.8	201.7	195.3	194.8
3423.1	50°	2993.4	2198.8	505.7	259.0	234.9	199.6	189.4	183.0	171.8	166.4
3610.9	52.5°	3037.8	2080.5	413.1	241.3	215.6	186.8	172.3	162.1	148.2	143.4
3719.0	55°	2979.0	1848.8	330.2	219.9	188.9	169.6	153.6	140.2	129.0	123.1
3730.8	57.5°	2835.0	1554.0	261.1	194.8	160.5	150.4	134.3	120.9	111.3	105.4
3600.2	60°	2596.4	1234.0	206.6	164.8	137.0	129.5	112.9	104.3	95.8	88.8
3263.1	62.5°	2234.1	880.8	162.1	130.6	114.5	106.0	96.3	89.9	79.7	70.1
2656.8	65°	1743.4	538.9	125.2	95.8	92.0	87.8	81.9	76.0	63.7	54.0
1733.2	67.5°	1099.7	255.2	89.4	72.2	72.8	70.6	68.0	63.1	54.0	45.5
776.4	70°	484.3	123.6	58.9	55.1	54.0	54.0	56.2	54.6	46.0	38.0
269.7	72.5°	164.8	66.4	43.9	41.7	39.1	38.5	47.1	45.5	36.9	29.4
134.3	75°	86.2	44.4	32.1	30.0	23.5	28.4	37.5	35.3	26.2	19.3
88.8	77.5°	56.2	31.6	21.9	19.3	13.4	18.7	27.8	24.6	15.5	9.6
58.3	80°	35.3	20.9	12.8	9.1	6.4	10.2	15.0	10.7	5.9	2.1
34.2	82.5°	18.7	10.7	4.8	3.2	2.7	3.2	3.7	2.7	1.1	0.0
17.7	85°	7.5	3.7	1.6	1.1	0.5	0.0	1.1	0.5	0.0	0.0
3.2	87.5°	2.7	0.5	0.0	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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1058.4
988.9
827.8
617.0
416.3
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290.0
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