

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: P847357

Luminaire Tested: **GLAN-SB3B-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847357
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-SB3B-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8939 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

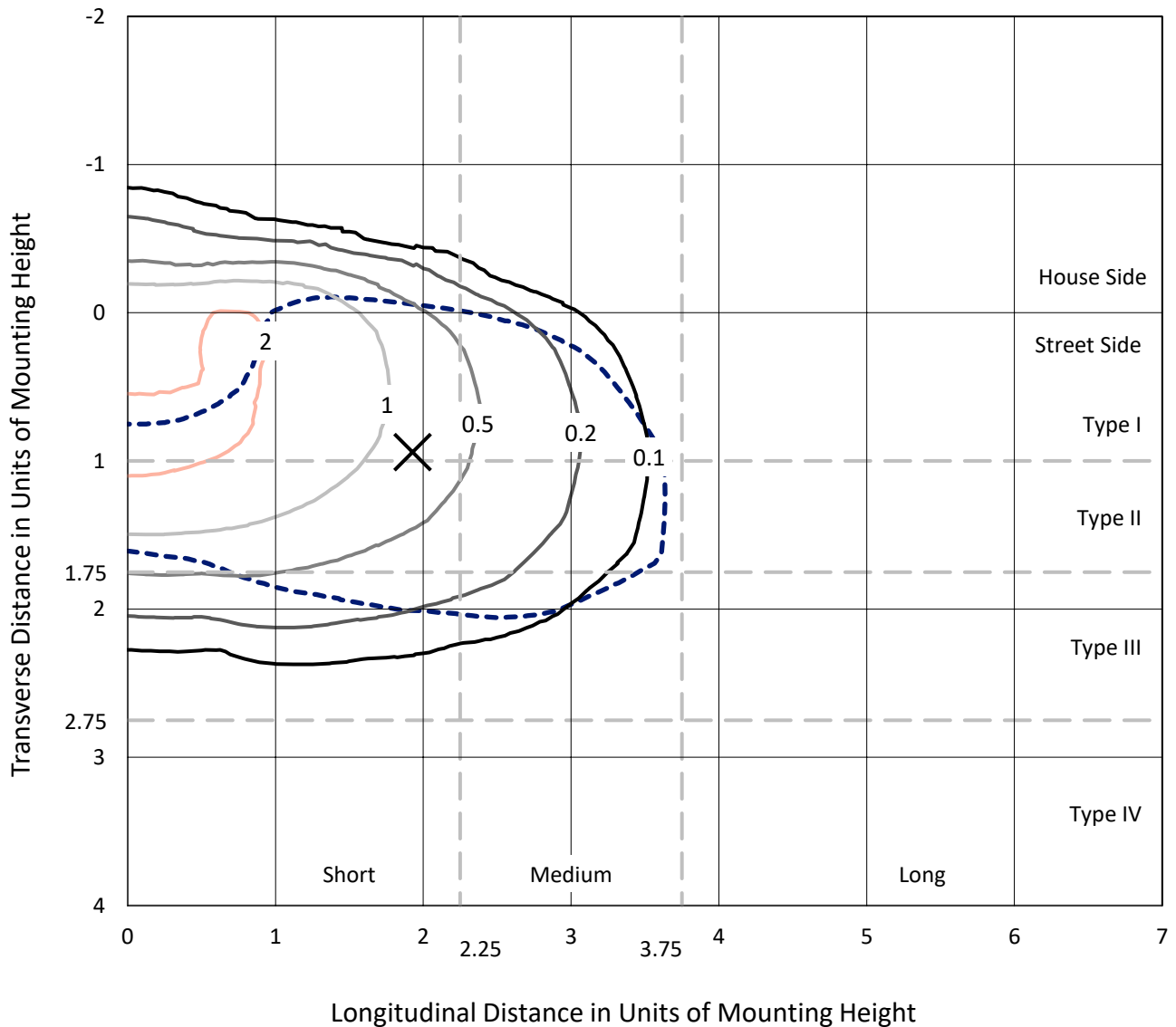
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

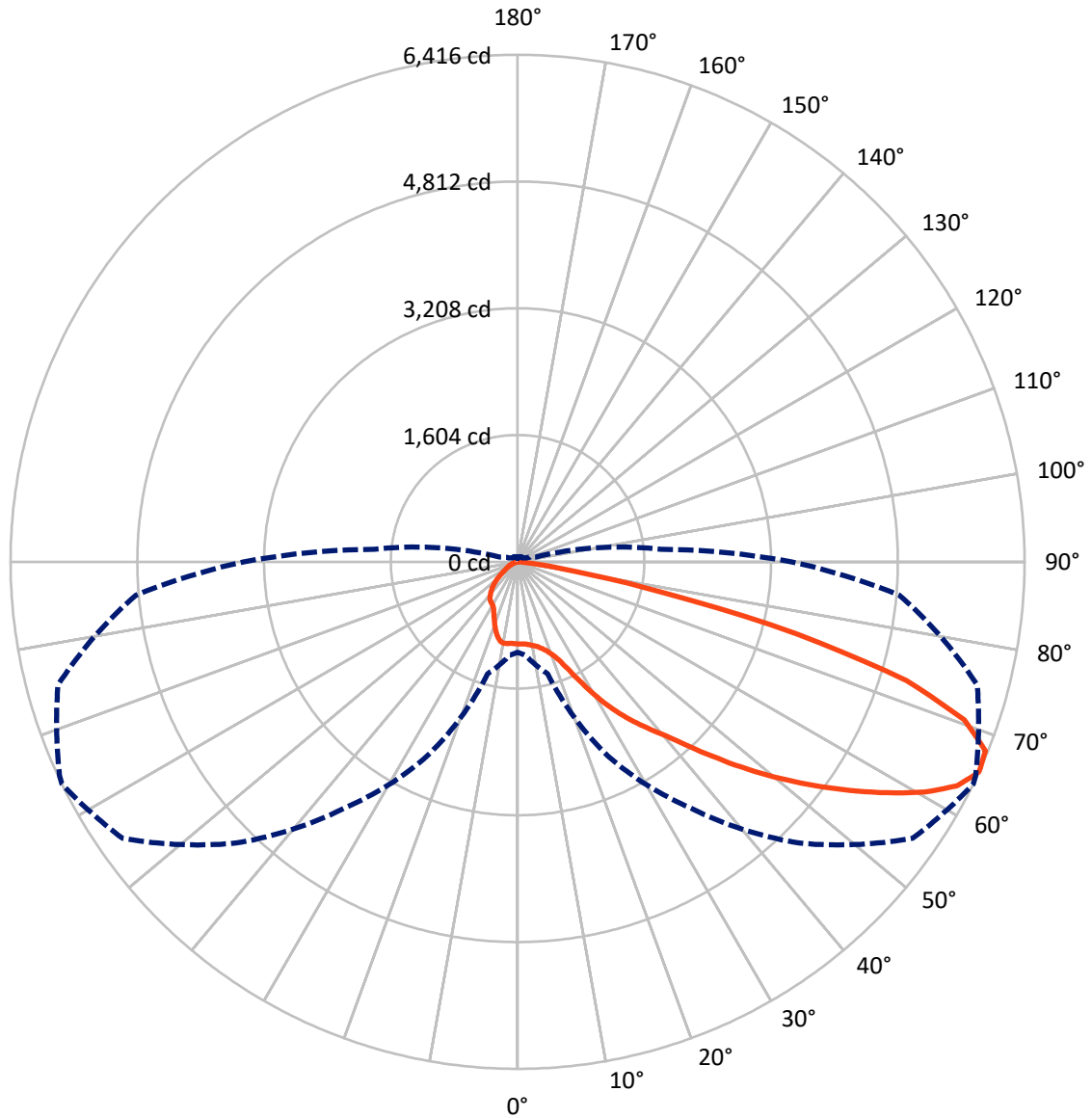
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	1195.4	0.0	1195.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	7743.6	0.0	7743.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	8939.0	0.0	8939.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	1.1
10°-20°	260.2	2.9
20°-30°	493.0	5.5
30°-40°	997.6	11.2
40°-50°	1699.4	19.0
50°-60°	2311.1	25.9
60°-70°	2170.2	24.3
70°-80°	869.5	9.7
80°-90°	42.1	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°	8939.0	100.0
0°-180°	8939.0	100.0

Coefficient of Utilization



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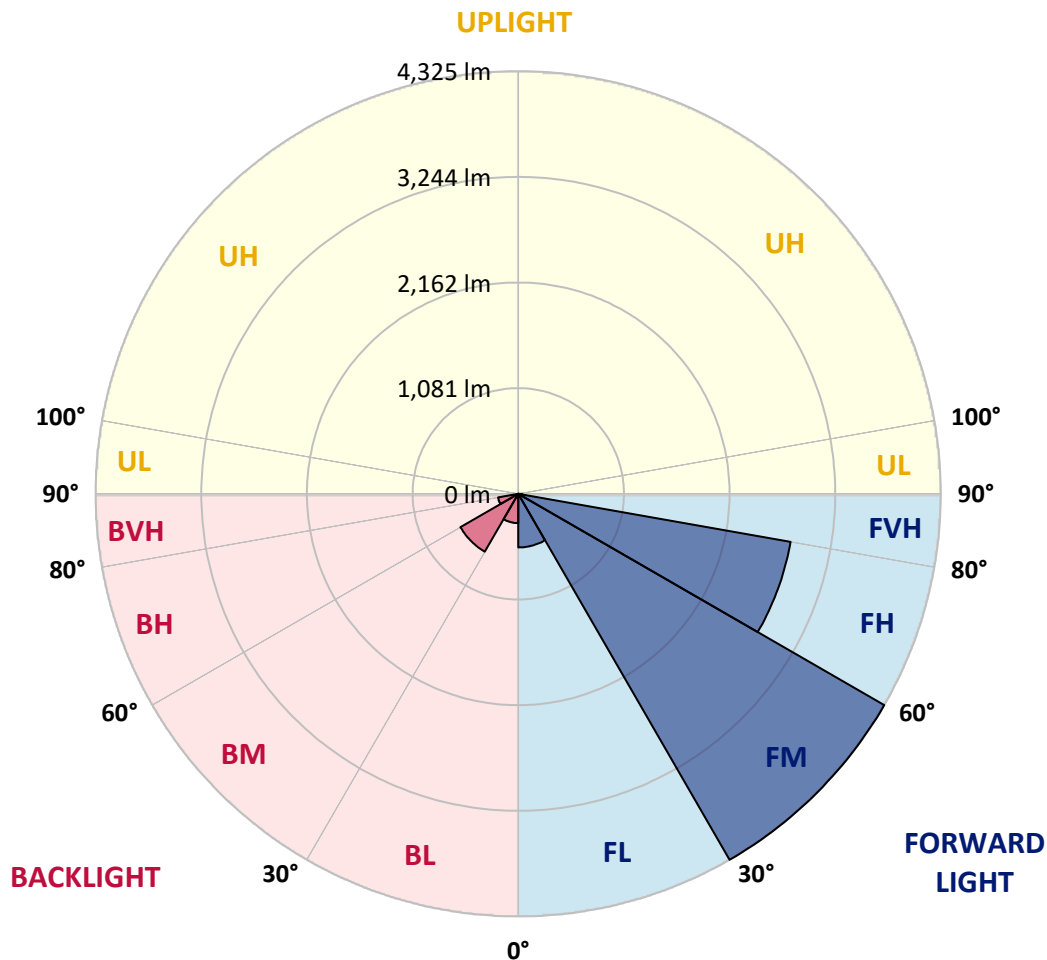
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	549.0	6.1			
FM (30°-60°)	4324.7	48.4			
FH (60°-80°)	2829.9	31.7			G2/5000
FVH (80°-90°)	40.1	0.4			G1/100
BL (0°-30°)	300.1	3.4	B1/500		
BM (30°-60°)	683.4	7.6	B1/1000		
BH (60°-80°)	209.8	2.3	B1/500		G1/500
BVH (80°-90°)	2.1	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7
2.5°	1036.1	1043.3	1041.5	1039.7	1039.1	1040.3	1040.9	1040.3	1040.3	1040.3
5°	1016.3	1022.3	1022.3	1026.5	1032.5	1039.7	1045.1	1046.3	1047.5	1049.3
7.5°	978.6	983.4	987.0	1000.7	1015.7	1034.9	1051.1	1059.5	1060.7	1067.3
10°	952.8	958.8	964.8	979.2	1000.7	1029.5	1057.1	1077.5	1080.4	1096.0
12.5°	951.6	957.6	965.4	981.0	1006.1	1036.7	1070.3	1099.6	1105.0	1127.8
15°	964.2	971.4	978.6	997.8	1024.7	1061.9	1097.8	1134.4	1139.8	1172.1
17.5°	990.0	999.5	1004.9	1024.1	1052.9	1094.2	1141.6	1183.5	1188.3	1226.1
20°	1040.9	1052.3	1054.1	1069.7	1097.8	1142.2	1198.5	1250.6	1256.6	1299.8
22.5°	1146.4	1162.5	1148.2	1156.0	1181.1	1225.5	1286.6	1352.5	1360.9	1410.0
25°	1332.1	1354.9	1317.8	1304.6	1315.4	1361.5	1438.2	1521.5	1531.1	1570.6
27.5°	1697.1	1667.7	1611.4	1556.3	1523.9	1550.3	1636.6	1739.6	1751.6	1790.0
30°	2098.0	2072.2	1996.1	1873.9	1797.2	1793.0	1872.7	1987.7	2001.5	2038.0
32.5°	2499.5	2474.9	2392.2	2241.8	2108.8	2042.8	2098.0	2225.6	2232.8	2256.2
35°	2894.4	2869.2	2786.5	2632.5	2468.9	2319.1	2308.3	2452.1	2454.5	2479.1
37.5°	3291.7	3270.7	3182.6	3031.6	2870.4	2663.7	2563.6	2666.7	2669.7	2693.6
40°	3575.1	3584.1	3523.6	3406.7	3268.3	3042.4	2850.0	2895.0	2877.0	2917.1
42.5°	3818.4	3836.4	3783.7	3724.9	3644.6	3445.7	3204.8	3197.0	3168.2	3189.8
45°	4028.8	4043.7	3996.4	3982.6	3980.8	3841.2	3592.5	3545.8	3505.6	3501.4
47.5°	4106.1	4134.8	4155.2	4201.3	4291.2	4232.5	3993.4	3920.9	3875.9	3843.0
50°	4135.4	4166.0	4235.5	4369.7	4582.5	4607.6	4392.5	4311.0	4255.9	4195.9
52.5°	4095.9	4150.4	4243.9	4469.8	4778.4	4908.5	4775.4	4704.1	4641.2	4543.5
55°	3862.8	3917.3	4108.5	4468.6	4876.1	5119.4	5137.4	5105.6	5034.9	4880.9
57.5°	3371.4	3452.3	3754.9	4316.4	4874.3	5301.0	5492.1	5514.9	5435.8	5215.3
60°	2690.6	2800.3	3169.4	3979.0	4723.9	5399.2	5803.1	5917.0	5833.1	5544.9
62.5°	1877.4	2004.5	2353.9	3450.5	4379.9	5328.5	6030.3	6240.6	6177.1	5839.7
65°	1145.2	1185.9	1467.6	2715.2	3795.0	5032.5	6100.4	6415.6	6394.6	6020.1
67.5°	762.8	797.0	877.9	1861.9	2945.9	4441.0	5932.6	6385.0	6391.0	5990.7
70°	459.6	489.0	541.7	1082.8	1909.2	3515.2	5413.0	5995.5	6030.3	5598.2
72.5°	189.4	209.1	257.1	490.8	988.8	2231.0	4310.4	5147.6	5228.5	4707.1
75°	107.3	117.5	151.0	246.3	429.1	1039.7	2610.9	3654.2	3773.5	3244.3
77.5°	71.3	76.1	97.7	159.4	241.5	354.8	1115.8	1903.8	2131.5	1772.0
80°	47.9	52.1	67.1	106.7	157.0	152.2	355.4	705.3	867.7	608.8
82.5°	32.4	33.0	47.9	70.1	99.5	73.7	104.9	219.3	275.7	176.2
85°	18.6	18.0	35.4	40.7	44.3	30.6	31.8	65.9	86.3	74.3
87.5°	2.4	3.6	13.8	10.8	6.0	6.6	6.6	11.4	16.8	18.0
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°
1039.7	0°	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7
1040.9	2.5°	1040.9	1040.3	1038.5	1036.7	1032.5	1030.1	1031.3	1030.1	1029.5
1048.7	5°	1048.7	1046.9	1042.1	1036.1	1027.7	1017.5	1010.9	1001.3	992.4
1069.7	7.5°	1069.7	1067.9	1061.3	1044.5	1017.5	975.0	936.0	901.9	876.1
1103.2	10°	1103.2	1100.2	1090.0	1052.9	982.2	889.3	812.0	747.9	705.9
1142.8	12.5°	1142.8	1139.2	1121.2	1045.1	915.1	770.0	663.4	592.1	553.1
1188.3	15°	1189.5	1184.7	1149.4	1007.9	817.4	638.2	540.5	487.2	462.0
1246.4	17.5°	1247.6	1239.2	1170.3	952.2	711.3	537.5	465.0	424.9	402.7
1322.5	20°	1323.1	1309.4	1187.1	885.7	613.6	474.0	414.1	380.5	363.7
1430.4	22.5°	1428.6	1408.8	1207.5	813.8	544.7	430.3	376.3	351.8	338.0
1580.8	25°	1559.2	1535.9	1232.7	747.3	497.4	392.5	348.8	328.4	312.2
1778.0	27.5°	1742.0	1700.1	1262.6	692.7	456.6	360.1	323.6	300.8	282.2
2001.5	30°	1945.8	1876.9	1289.0	659.8	419.5	330.2	290.6	267.9	250.5
2202.2	32.5°	2138.7	2045.2	1306.4	645.4	385.9	296.0	254.7	230.1	216.9
2398.8	35°	2320.9	2197.4	1304.6	631.6	356.0	261.9	219.3	194.2	184.0
2610.3	37.5°	2530.6	2359.8	1292.0	610.0	331.4	230.7	188.8	166.6	157.6
2867.4	40°	2774.5	2547.4	1284.2	569.3	304.4	201.9	163.6	145.6	139.0
3138.3	42.5°	3034.6	2729.0	1285.4	523.1	270.9	176.2	146.2	131.2	125.2
3439.7	45°	3295.9	2902.2	1287.2	475.2	235.5	156.4	133.6	121.0	117.5
3745.3	47.5°	3541.6	3049.6	1253.6	423.7	200.7	141.4	123.4	115.1	112.1
4052.1	50°	3770.5	3147.9	1172.7	363.7	173.2	129.4	115.7	109.7	106.7
4330.2	52.5°	3948.5	3163.4	1039.1	302.0	154.0	120.4	110.9	105.5	101.9
4554.9	55°	4027.6	3065.8	849.1	244.5	139.0	112.7	106.1	100.7	96.5
4731.7	57.5°	4007.2	2860.2	662.2	196.6	124.6	104.9	100.1	96.5	91.7
4874.9	60°	3907.1	2585.2	499.2	163.6	111.5	96.5	93.5	90.5	83.9
4930.0	62.5°	3733.9	2239.4	356.0	135.4	97.1	86.9	85.7	83.3	73.7
4848.5	65°	3469.1	1819.3	239.7	112.7	83.3	76.1	76.7	72.5	59.9
4550.1	67.5°	3081.9	1330.3	153.4	92.3	69.5	63.5	64.1	61.7	50.9
3984.4	70°	2588.8	880.9	100.1	70.1	55.7	49.1	52.7	53.3	43.1
3058.0	72.5°	1897.8	520.1	70.1	52.1	40.7	34.2	43.1	44.3	34.8
1839.7	75°	1081.6	246.9	52.7	37.8	25.2	24.0	33.6	33.6	24.0
796.4	77.5°	454.2	103.1	37.2	24.6	14.4	13.8	22.8	21.0	12.0
194.2	80°	131.2	46.1	19.8	12.0	6.0	5.4	9.0	6.6	3.0
73.7	82.5°	51.5	20.4	7.8	4.8	2.4	2.4	1.2	0.0	0.0
41.9	85°	30.6	8.4	3.6	1.8	0.6	0.0	0.0	0.0	0.0
9.0	87.5°	7.8	1.8	1.2	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

(END O

180°
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1039.7
1032.5
988.2
861.7
684.3
533.9
447.0
386.5
348.2
320.6
293.0
264.9
238.5
215.7
185.8
160.6
136.0
122.8
115.1
109.1
103.7
98.3
92.9
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