

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: P847177

Luminaire Tested: **GLAN-SB3A-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847177
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-SB3A-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA 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: 6798 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

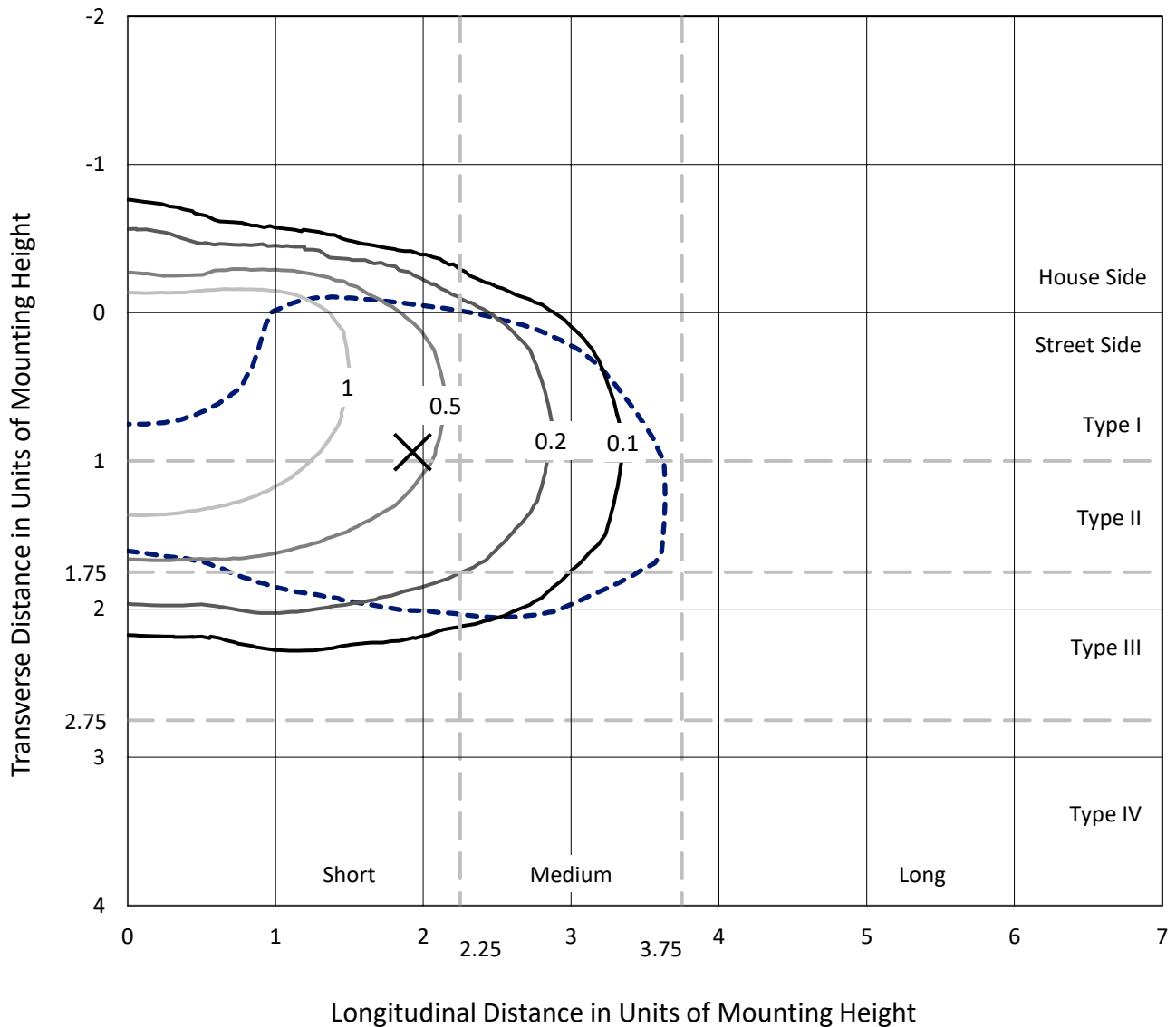
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

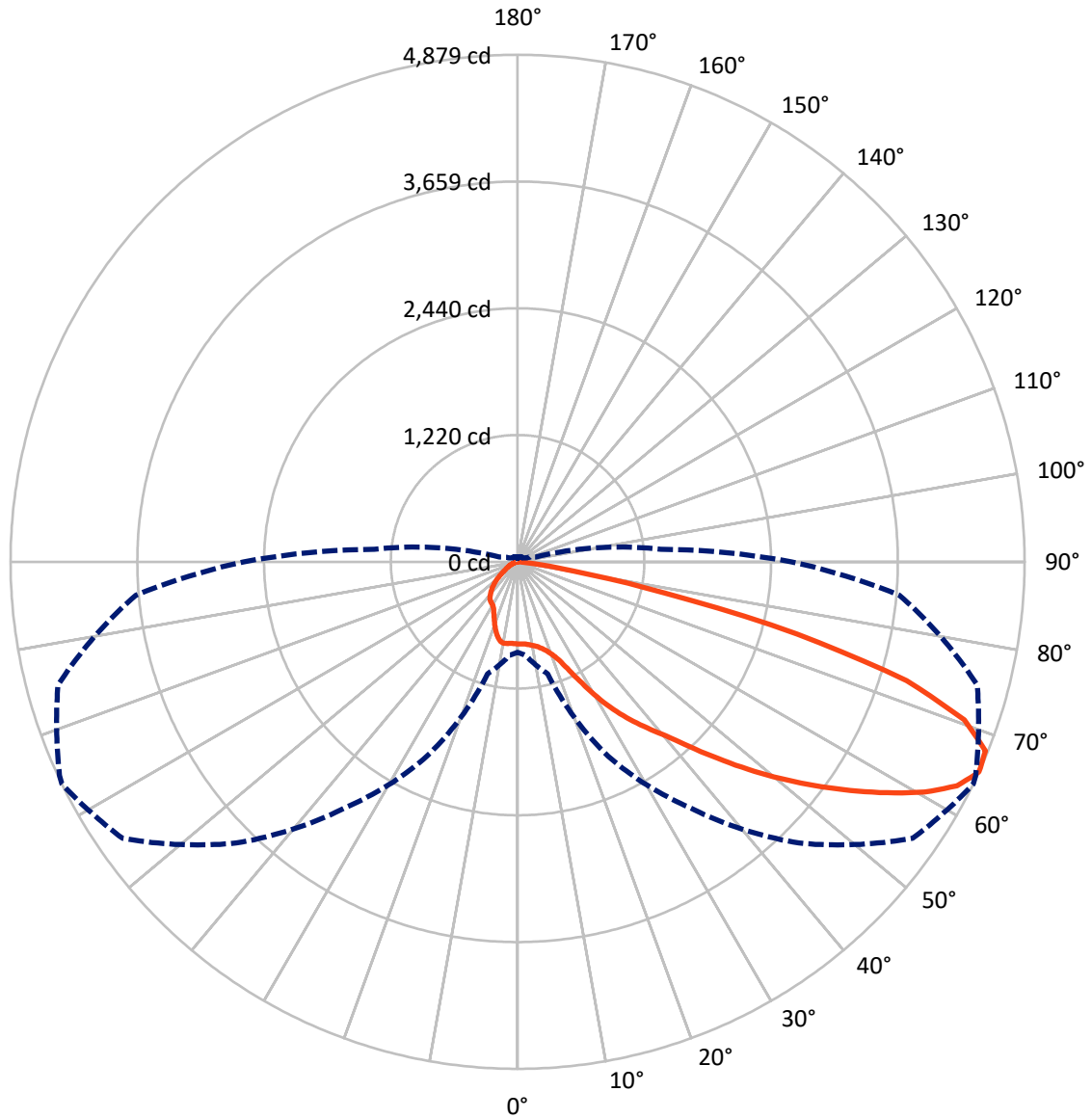
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	909.1	0.0	909.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	5888.9	0.0	5888.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	6798.0	0.0	6798.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	1.1
10°-20°	197.9	2.9
20°-30°	374.9	5.5
30°-40°	758.7	11.2
40°-50°	1292.4	19.0
50°-60°	1757.5	25.9
60°-70°	1650.4	24.3
70°-80°	661.2	9.7
80°-90°	32.0	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°	6798.0	100.0
0°-180°	6798.0	100.0

Coefficient of Utilization



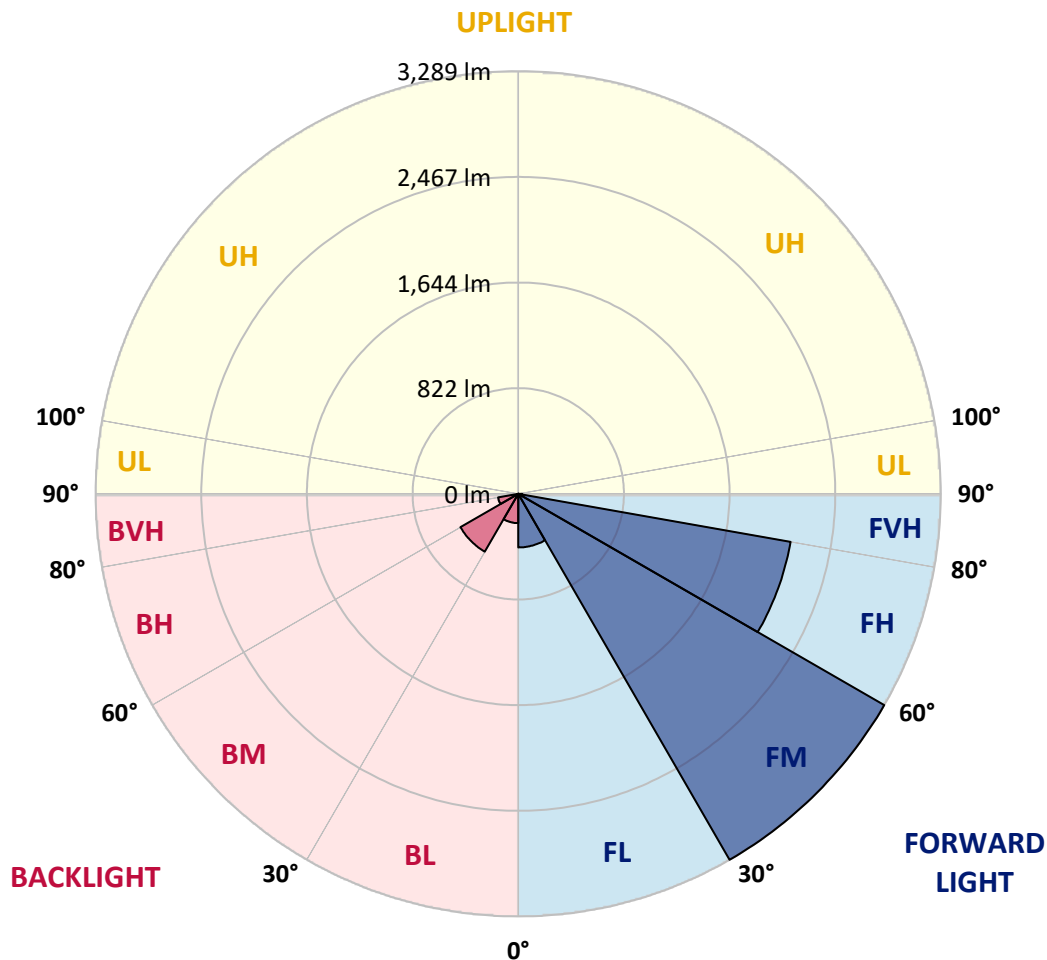
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.5	6.1			
FM (30°-60°)	3288.9	48.4			
FH (60°-80°)	2152.1	31.7			G2/5000
FVH (80°-90°)	30.5	0.4			G1/100
BL (0°-30°)	228.2	3.4	B1/500		
BM (30°-60°)	519.7	7.6	B1/1000		
BH (60°-80°)	159.6	2.3	B1/500		G1/500
BVH (80°-90°)	1.6	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°	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7
2.5°	787.9	793.4	792.0	790.7	790.2	791.1	791.6	791.1	791.1	791.1
5°	772.9	777.5	777.5	780.7	785.2	790.7	794.8	795.7	796.6	798.0
7.5°	744.2	747.8	750.6	761.1	772.4	787.0	799.3	805.7	806.6	811.6
10°	724.6	729.2	733.7	744.7	761.1	782.9	803.9	819.4	821.7	833.5
12.5°	723.7	728.2	734.2	746.0	765.2	788.4	813.9	836.3	840.4	857.7
15°	733.3	738.7	744.2	758.8	779.3	807.5	834.9	862.7	866.8	891.4
17.5°	752.9	760.1	764.2	778.8	800.7	832.1	868.2	900.1	903.7	932.4
20°	791.6	800.2	801.6	813.5	834.9	868.6	911.4	951.1	955.6	988.5
22.5°	871.8	884.1	873.2	879.1	898.2	932.0	978.4	1028.6	1034.9	1072.3
25°	1013.1	1030.4	1002.1	992.1	1000.3	1035.4	1093.7	1157.1	1164.4	1194.4
27.5°	1290.6	1268.3	1225.4	1183.5	1158.9	1179.0	1244.6	1323.0	1332.1	1361.2
30°	1595.5	1575.9	1518.0	1425.0	1366.7	1363.5	1424.1	1511.6	1522.1	1549.9
32.5°	1900.8	1882.1	1819.2	1704.9	1603.7	1553.6	1595.5	1692.6	1698.0	1715.8
35°	2201.1	2182.0	2119.1	2002.0	1877.6	1763.6	1755.4	1864.8	1866.6	1885.3
37.5°	2503.3	2487.3	2420.3	2305.5	2182.9	2025.7	1949.6	2028.0	2030.2	2048.5
40°	2718.8	2725.7	2679.6	2590.8	2485.5	2313.7	2167.4	2201.6	2187.9	2218.5
42.5°	2903.9	2917.5	2877.4	2832.8	2771.7	2620.4	2437.2	2431.3	2409.4	2425.8
45°	3063.8	3075.2	3039.2	3028.7	3027.4	2921.2	2732.1	2696.5	2666.0	2662.8
47.5°	3122.6	3144.5	3160.0	3195.1	3263.4	3218.8	3036.9	2981.8	2947.6	2922.5
50°	3144.9	3168.2	3221.0	3323.1	3484.9	3504.0	3340.4	3278.5	3236.5	3191.0
52.5°	3114.9	3156.3	3227.4	3399.2	3633.9	3732.8	3631.7	3577.4	3529.6	3455.3
55°	2937.6	2979.1	3124.4	3398.3	3708.2	3893.2	3906.9	3882.8	3829.0	3711.9
57.5°	2563.9	2625.4	2855.6	3282.6	3706.8	4031.3	4176.7	4194.0	4133.9	3966.2
60°	2046.2	2129.6	2410.3	3026.0	3592.5	4106.1	4413.2	4499.8	4436.0	4216.8
62.5°	1427.8	1524.4	1790.1	2624.0	3330.9	4052.3	4585.9	4745.9	4697.6	4441.0
65°	870.9	901.9	1116.1	2064.9	2886.1	3827.2	4639.3	4879.0	4863.0	4578.2
67.5°	580.1	606.1	667.6	1415.9	2240.3	3377.4	4511.6	4855.7	4860.3	4555.9
70°	349.5	371.9	412.0	823.5	1451.9	2673.3	4116.5	4559.5	4585.9	4257.4
72.5°	144.0	159.0	195.5	373.2	751.9	1696.7	3278.0	3914.7	3976.2	3579.7
75°	81.6	89.3	114.8	187.3	326.3	790.7	1985.6	2779.0	2869.7	2467.3
77.5°	54.2	57.9	74.3	121.2	183.7	269.8	848.6	1447.8	1621.0	1347.6
80°	36.5	39.6	51.0	81.1	119.4	115.8	270.2	536.4	659.9	463.0
82.5°	24.6	25.1	36.5	53.3	75.6	56.1	79.8	166.8	209.6	134.0
85°	14.1	13.7	26.9	31.0	33.7	23.2	24.2	50.1	65.6	56.5
87.5°	1.8	2.7	10.5	8.2	4.6	5.0	5.0	8.7	12.8	13.7
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°
790.7	0°	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7
791.6	2.5°	791.6	791.1	789.8	788.4	785.2	783.4	784.3	783.4	782.9	783.4
797.5	5°	797.5	796.1	792.5	787.9	781.6	773.8	768.8	761.5	754.7	750.6
813.5	7.5°	813.5	812.1	807.1	794.3	773.8	741.5	711.8	685.9	666.3	654.9
839.0	10°	839.0	836.7	829.0	800.7	746.9	676.3	617.5	568.7	536.8	521.8
869.1	12.5°	869.1	866.3	852.7	794.8	695.9	585.6	504.5	450.3	420.6	407.4
903.7	15°	904.6	901.0	874.1	766.5	621.6	485.3	411.1	370.5	351.4	339.5
947.9	17.5°	948.8	942.4	890.0	724.1	540.9	408.8	353.6	323.1	306.2	294.9
1005.8	20°	1006.2	995.8	902.8	673.6	466.7	360.5	314.9	289.4	276.6	266.6
1087.8	22.5°	1086.4	1071.4	918.3	618.9	414.3	327.2	286.2	267.5	257.0	245.6
1202.2	25°	1185.8	1168.0	937.4	568.3	378.2	298.5	265.2	249.7	237.4	224.2
1352.1	27.5°	1324.8	1292.9	960.2	526.8	347.3	273.9	246.1	228.8	214.6	203.7
1522.1	30°	1479.7	1427.3	980.3	501.8	319.0	251.1	221.0	203.7	190.5	182.7
1674.8	32.5°	1626.5	1555.4	993.5	490.8	293.5	225.1	193.7	175.0	165.0	162.7
1824.3	35°	1765.0	1671.1	992.1	480.3	270.7	199.2	166.8	147.7	139.9	141.3
1985.1	37.5°	1924.5	1794.6	982.5	463.9	252.0	175.5	143.6	126.7	119.9	120.3
2180.6	40°	2110.0	1937.3	976.6	432.9	231.5	153.6	124.4	110.7	105.7	103.9
2386.6	42.5°	2307.8	2075.4	977.5	397.8	206.0	134.0	111.2	99.8	95.2	93.9
2615.8	45°	2506.5	2207.1	978.9	361.4	179.1	118.9	101.6	92.1	89.3	87.5
2848.3	47.5°	2693.3	2319.2	953.4	322.2	152.7	107.6	93.9	87.5	85.2	82.9
3081.6	50°	2867.4	2393.9	891.8	276.6	131.7	98.4	88.0	83.4	81.1	78.8
3293.0	52.5°	3002.8	2405.8	790.2	229.7	117.1	91.6	84.3	80.2	77.5	75.2
3463.9	55°	3062.9	2331.5	645.8	185.9	105.7	85.7	80.7	76.6	73.4	71.1
3598.4	57.5°	3047.4	2175.2	503.6	149.5	94.8	79.8	76.1	73.4	69.7	66.1
3707.3	60°	2971.3	1966.0	379.6	124.4	84.8	73.4	71.1	68.8	63.8	58.3
3749.2	62.5°	2839.6	1703.0	270.7	103.0	73.8	66.1	65.2	63.3	56.1	46.0
3687.2	65°	2638.2	1383.6	182.3	85.7	63.3	57.9	58.3	55.1	45.6	34.2
3460.3	67.5°	2343.8	1011.7	116.7	70.2	52.9	48.3	48.8	46.9	38.7	29.2
3030.1	70°	1968.7	669.9	76.1	53.3	42.4	37.4	40.1	40.6	32.8	23.7
2325.6	72.5°	1443.3	395.6	53.3	39.6	31.0	26.0	32.8	33.7	26.4	17.8
1399.1	75°	822.6	187.8	40.1	28.7	19.1	18.2	25.5	25.5	18.2	11.8
605.7	77.5°	345.4	78.4	28.3	18.7	10.9	10.5	17.3	16.0	9.1	5.5
147.7	80°	99.8	35.1	15.0	9.1	4.6	4.1	6.8	5.0	2.3	0.9
56.1	82.5°	39.2	15.5	5.9	3.6	1.8	1.8	0.9	0.0	0.0	0.0
31.9	85°	23.2	6.4	2.7	1.4	0.5	0.0	0.0	0.0	0.0	0.0
6.8	87.5°	5.9	1.4	0.9	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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