

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: P847347

Luminaire Tested: **GLAN-SB3B-927-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847347  
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-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 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: 8533 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

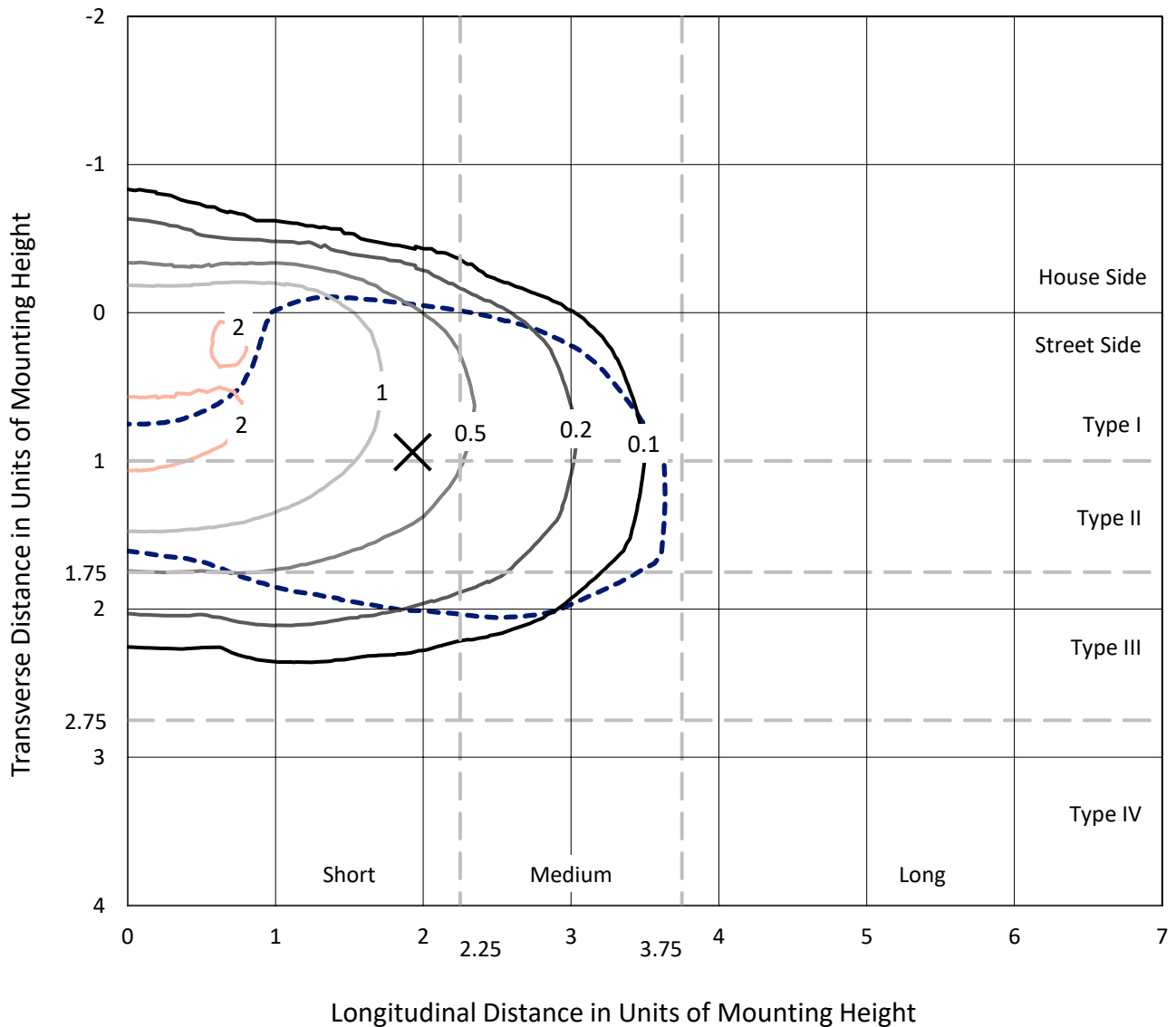
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

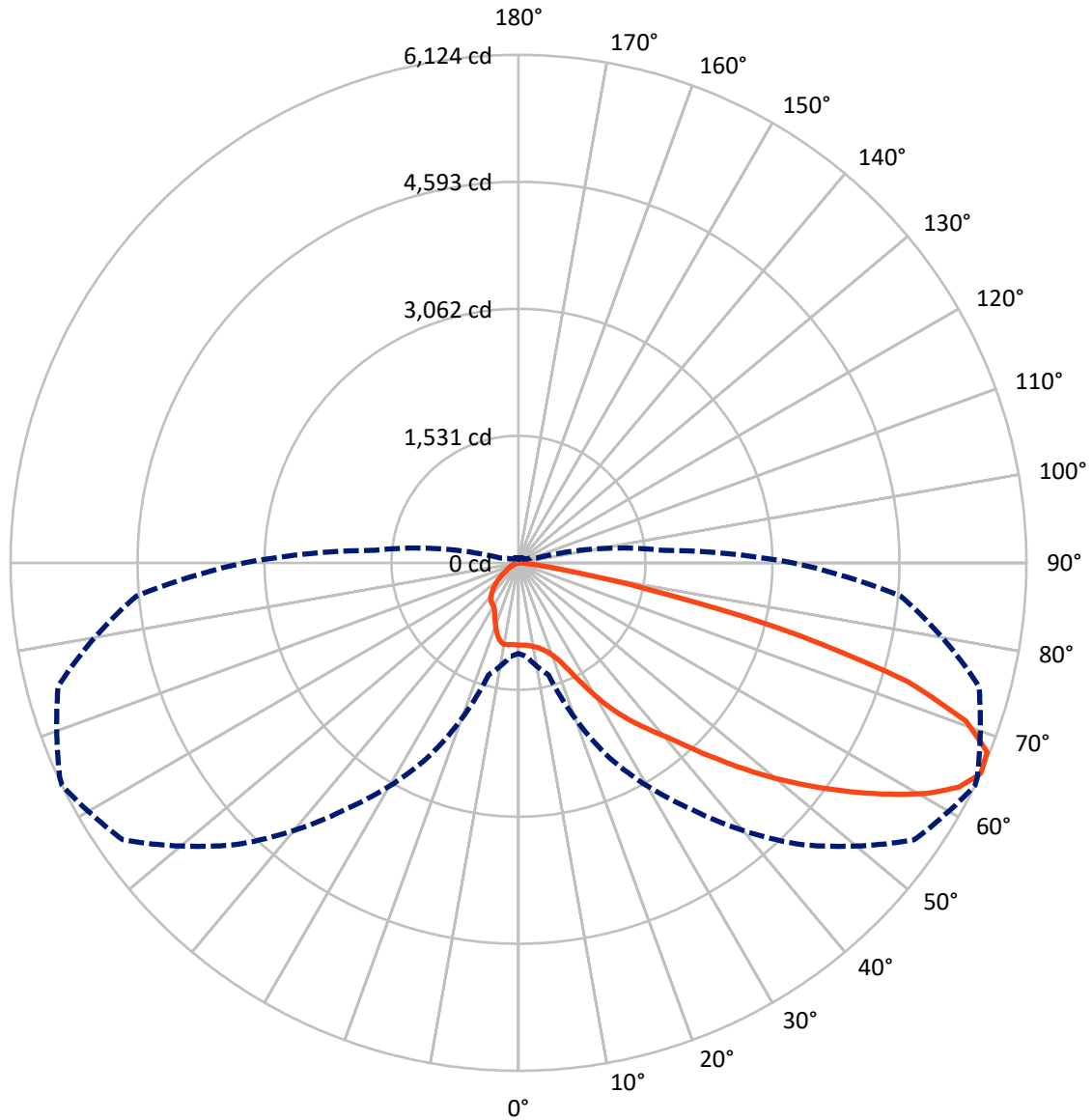
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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
<b>House Side</b>	Lumens	1141.1	0.0	1141.1
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	7391.9	0.0	7391.9
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	8533.0	0.0	8533.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.6	1.1
10°-20°	248.4	2.9
20°-30°	470.6	5.5
30°-40°	952.3	11.2
40°-50°	1622.2	19.0
50°-60°	2206.1	25.9
60°-70°	2071.6	24.3
70°-80°	830.0	9.7
80°-90°	40.2	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°	8533.0	100.0
0°-180°	8533.0	100.0

**Coefficient of Utilization**



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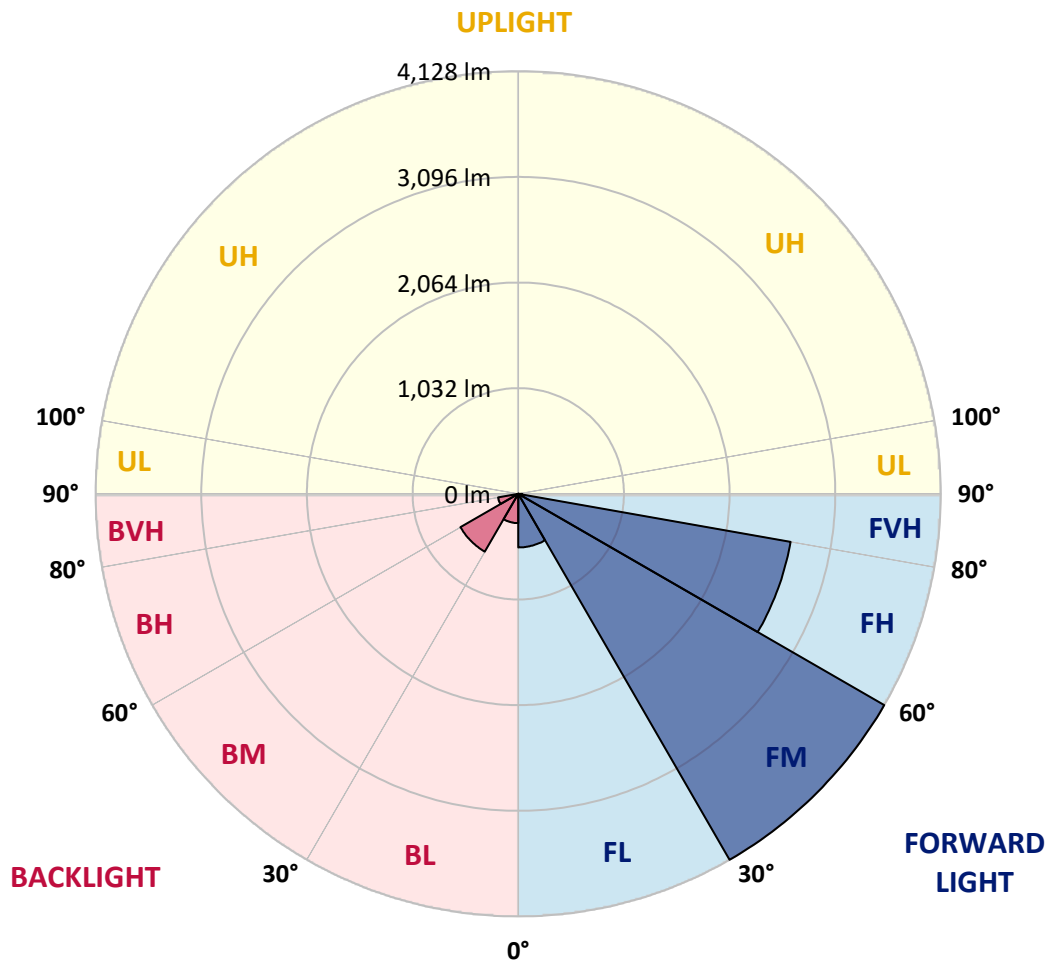
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	524.0	6.1			
FM (30°-60°)	4128.3	48.4			
FH (60°-80°)	2701.3	31.7			G2/5000
FVH (80°-90°)	38.2	0.4			G1/100
BL (0°-30°)	286.5	3.4	B1/500		
BM (30°-60°)	652.4	7.6	B1/1000		
BH (60°-80°)	200.3	2.3	B1/500		G1/500
BVH (80°-90°)	2.0	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°	992.5	992.5	992.5	992.5	992.5	992.5	992.5	992.5	992.5	992.5
2.5°	989.0	995.9	994.2	992.5	991.9	993.0	993.6	993.0	993.0	993.0
5°	970.2	975.9	975.9	979.9	985.6	992.5	997.6	998.8	999.9	1001.6
7.5°	934.1	938.7	942.1	955.3	969.6	987.9	1003.3	1011.4	1012.5	1018.8
10°	909.5	915.3	921.0	934.7	955.3	982.8	1009.1	1028.5	1031.4	1046.2
12.5°	908.4	914.1	921.5	936.4	960.4	989.6	1021.7	1049.7	1054.8	1076.6
15°	920.4	927.3	934.1	952.4	978.2	1013.6	1048.0	1082.9	1088.0	1118.9
17.5°	945.0	954.2	959.3	977.6	1005.1	1044.5	1089.7	1129.8	1134.3	1170.4
20°	993.6	1004.5	1006.2	1021.1	1048.0	1090.3	1144.1	1193.8	1199.6	1240.7
22.5°	1094.3	1109.7	1096.0	1103.5	1127.5	1169.8	1228.2	1291.1	1299.1	1346.0
25°	1271.6	1293.4	1257.9	1245.3	1255.6	1299.7	1372.9	1452.4	1461.5	1499.3
27.5°	1620.0	1592.0	1538.2	1485.6	1454.7	1479.8	1562.2	1660.6	1672.1	1708.7
30°	2002.7	1978.1	1905.4	1788.7	1715.5	1711.5	1787.6	1897.4	1910.6	1945.5
32.5°	2385.9	2362.5	2283.6	2140.0	2013.0	1950.1	2002.7	2124.5	2131.4	2153.7
35°	2762.9	2738.9	2660.0	2512.9	2356.8	2213.8	2203.5	2340.8	2343.0	2366.5
37.5°	3142.2	3122.2	3038.1	2893.9	2740.0	2542.7	2447.2	2545.5	2548.4	2571.3
40°	3412.7	3421.3	3363.6	3252.0	3119.9	2904.2	2720.6	2763.5	2746.3	2784.7
42.5°	3645.0	3662.2	3611.8	3555.8	3479.1	3289.2	3059.2	3051.8	3024.3	3044.9
45°	3845.8	3860.1	3814.9	3801.7	3800.0	3666.7	3429.3	3384.7	3346.4	3342.4
47.5°	3919.6	3947.0	3966.5	4010.5	4096.3	4040.3	3812.0	3742.8	3699.9	3668.4
50°	3947.6	3976.8	4043.1	4171.3	4374.3	4398.4	4193.0	4115.2	4062.6	4005.4
52.5°	3909.8	3961.9	4051.1	4266.8	4561.4	4685.5	4558.5	4490.5	4430.4	4337.2
55°	3687.3	3739.4	3921.9	4265.6	4654.6	4886.9	4904.0	4873.7	4806.2	4659.2
57.5°	3218.3	3295.5	3584.4	4120.4	4652.9	5060.2	5242.7	5264.4	5188.9	4978.4
60°	2568.4	2673.1	3025.5	3798.3	4509.3	5154.0	5539.6	5648.2	5568.2	5293.0
62.5°	1792.2	1913.4	2246.9	3293.8	4181.0	5086.5	5756.4	5957.1	5896.5	5574.5
65°	1093.2	1132.1	1400.9	2591.9	3622.7	4803.9	5823.3	6124.2	6104.2	5746.6
67.5°	728.2	760.8	838.0	1777.3	2812.1	4239.3	5663.1	6095.0	6100.7	5718.6
70°	438.7	466.8	517.1	1033.7	1822.5	3355.5	5167.2	5723.2	5756.4	5343.9
72.5°	180.8	199.6	245.4	468.5	943.9	2129.7	4114.6	4913.8	4991.0	4493.3
75°	102.4	112.1	144.2	235.1	409.6	992.5	2492.3	3488.3	3602.1	3097.0
77.5°	68.1	72.6	93.2	152.2	230.5	338.6	1065.1	1817.3	2034.7	1691.5
80°	45.8	49.8	64.1	101.8	149.9	145.3	339.2	673.3	828.3	581.2
82.5°	30.9	31.5	45.8	66.9	95.0	70.4	100.1	209.4	263.1	168.2
85°	17.7	17.2	33.7	38.9	42.3	29.2	30.3	62.9	82.4	70.9
87.5°	2.3	3.4	13.2	10.3	5.7	6.3	6.3	10.9	16.0	17.2
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°
992.5	0°	992.5	992.5	992.5	992.5	992.5	992.5	992.5	992.5	992.5	992.5
993.6	2.5°	993.6	993.0	991.3	989.6	985.6	983.3	984.5	983.3	982.8	983.3
1001.1	5°	1001.1	999.3	994.8	989.0	981.0	971.3	965.0	955.9	947.3	942.1
1021.1	7.5°	1021.1	1019.4	1013.1	997.1	971.3	930.7	893.5	860.9	836.3	822.0
1053.1	10°	1053.1	1050.3	1040.5	1005.1	937.6	848.9	775.1	713.9	673.9	655.0
1090.9	12.5°	1090.9	1087.4	1070.3	997.6	873.5	735.1	633.2	565.2	528.0	511.4
1134.3	15°	1135.5	1130.9	1097.2	962.2	780.3	609.2	516.0	465.1	441.0	426.2
1189.8	17.5°	1191.0	1183.0	1117.2	909.0	679.0	513.1	443.9	405.6	384.4	370.1
1262.5	20°	1263.0	1249.9	1133.2	845.5	585.8	452.5	395.3	363.2	347.2	334.6
1365.4	22.5°	1363.7	1344.8	1152.6	776.8	520.0	410.7	359.2	335.8	322.6	308.3
1509.0	25°	1488.4	1466.1	1176.7	713.3	474.8	374.7	332.9	313.5	298.0	281.4
1697.2	27.5°	1662.9	1622.9	1205.3	661.3	435.9	343.8	308.9	287.2	269.4	255.7
1910.6	30°	1857.4	1791.6	1230.4	629.8	400.4	315.2	277.4	255.7	239.1	229.4
2102.2	32.5°	2041.6	1952.3	1247.0	616.1	368.4	282.6	243.1	219.7	207.1	204.2
2289.8	35°	2215.5	2097.6	1245.3	602.9	339.8	250.0	209.4	185.3	175.6	177.3
2491.8	37.5°	2415.7	2252.7	1233.3	582.3	316.3	220.2	180.2	159.0	150.4	151.0
2737.2	40°	2648.5	2431.7	1225.9	543.4	290.6	192.8	156.2	139.0	132.7	130.4
2995.7	42.5°	2896.8	2605.0	1227.0	499.4	258.6	168.2	139.6	125.3	119.6	117.8
3283.5	45°	3146.2	2770.4	1228.7	453.6	224.8	149.3	127.6	115.6	112.1	109.8
3575.2	47.5°	3380.7	2911.1	1196.7	404.4	191.6	135.0	117.8	109.8	107.0	104.1
3868.1	50°	3599.2	3004.9	1119.5	347.2	165.3	123.6	110.4	104.7	101.8	99.0
4133.5	52.5°	3769.1	3019.8	991.9	288.3	147.0	115.0	105.8	100.7	97.2	94.4
4348.0	55°	3844.6	2926.5	810.6	233.4	132.7	107.5	101.2	96.1	92.1	89.2
4516.8	57.5°	3825.2	2730.3	632.1	187.6	119.0	100.1	95.5	92.1	87.5	82.9
4653.5	60°	3729.7	2467.7	476.5	156.2	106.4	92.1	89.2	86.4	80.1	73.2
4706.1	62.5°	3564.3	2137.7	339.8	129.3	92.7	82.9	81.8	79.5	70.4	57.8
4628.3	65°	3311.5	1736.7	228.8	107.5	79.5	72.6	73.2	69.2	57.2	42.9
4343.4	67.5°	2942.0	1269.9	146.4	88.1	66.4	60.6	61.2	58.9	48.6	36.6
3803.4	70°	2471.2	840.9	95.5	66.9	53.2	46.9	50.3	50.9	41.2	29.7
2919.1	72.5°	1811.6	496.5	66.9	49.8	38.9	32.6	41.2	42.3	33.2	22.3
1756.1	75°	1032.5	235.7	50.3	36.0	24.0	22.9	32.0	32.0	22.9	14.9
760.2	77.5°	433.6	98.4	35.5	23.5	13.7	13.2	21.7	20.0	11.4	6.9
185.3	80°	125.3	44.0	18.9	11.4	5.7	5.1	8.6	6.3	2.9	1.1
70.4	82.5°	49.2	19.4	7.4	4.6	2.3	2.3	1.1	0.0	0.0	0.0
40.0	85°	29.2	8.0	3.4	1.7	0.6	0.0	0.0	0.0	0.0	0.0
8.6	87.5°	7.4	1.7	1.1	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°
992.5
985.6
943.3
822.6
653.3
509.7
426.7
369.0
332.4
306.0
279.7
252.8
227.7
205.9
177.3
153.3
129.9
117.3
109.8
104.1
99.0
93.8
88.7
82.4
72.1
56.6
41.8
34.9
28.6
21.2
13.7
6.9
1.1
0.0
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