

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: P849397

Luminaire Tested: **GLAN-SB6B-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849397
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-SB6B-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 18067 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

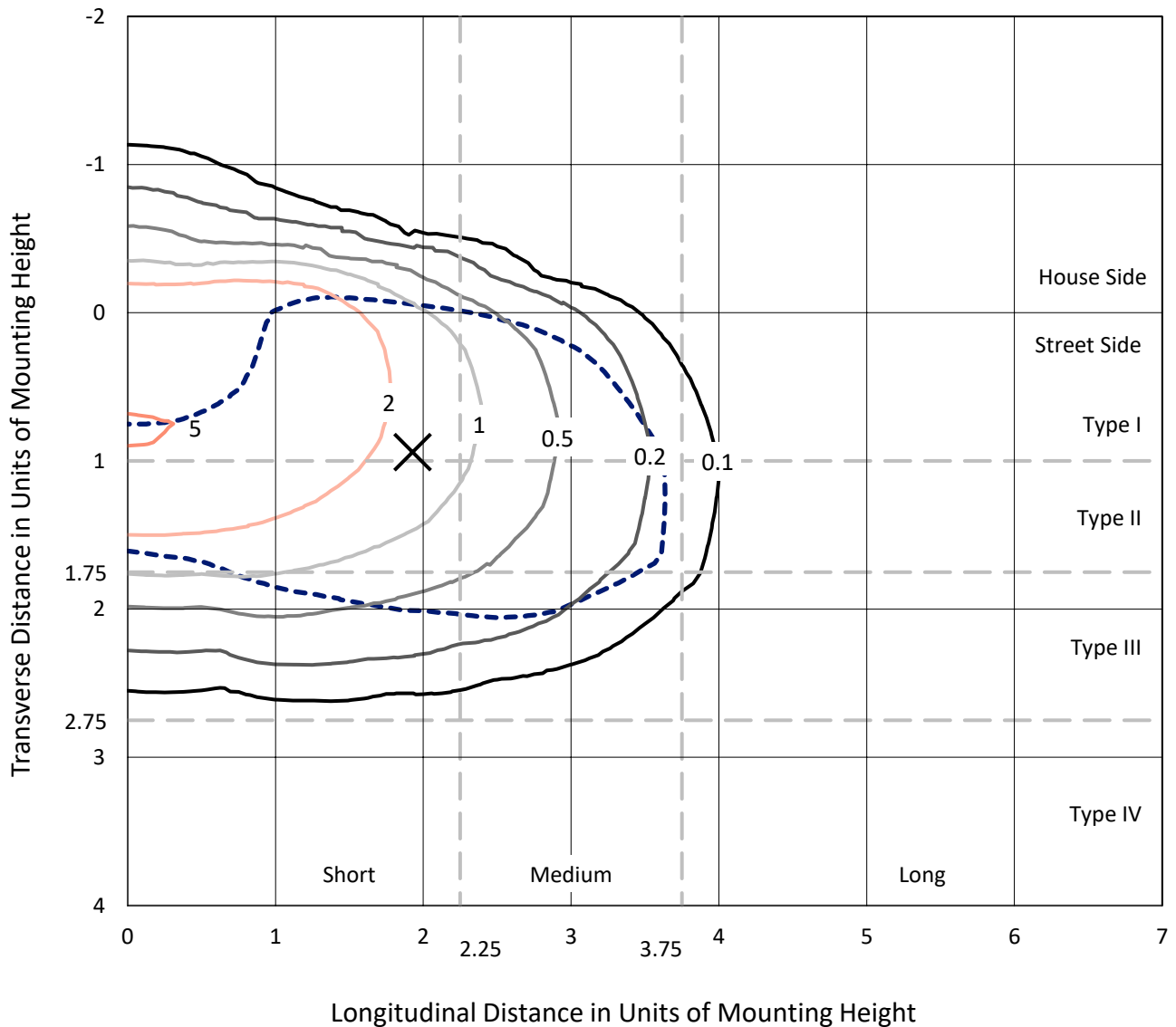
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

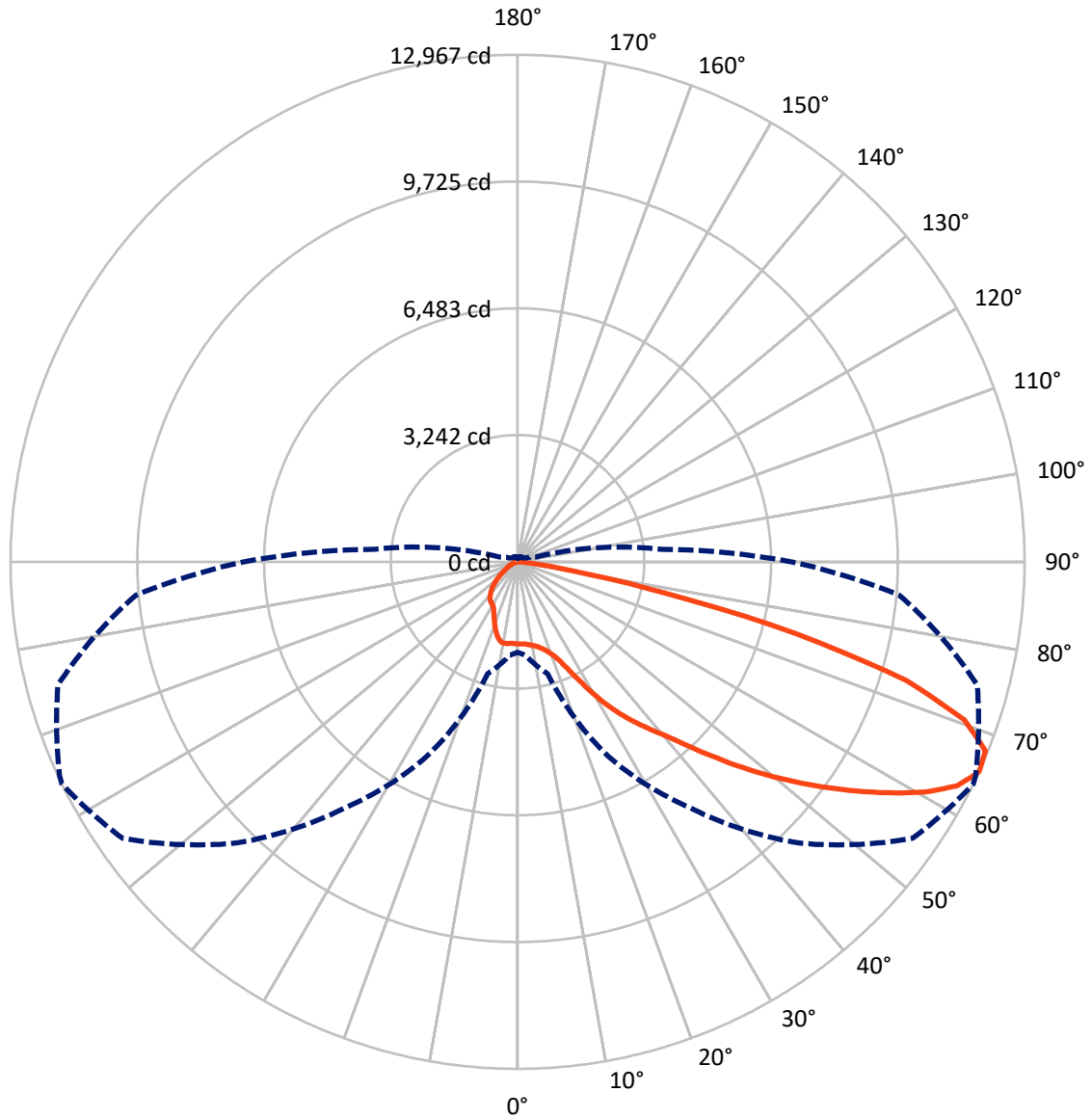
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	2416.1	0.0	2416.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	15650.9	0.0	15650.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	18067.0	0.0	18067.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.9	1.1
10°-20°	525.8	2.9
20°-30°	996.4	5.5
30°-40°	2016.3	11.2
40°-50°	3434.8	19.0
50°-60°	4671.0	25.9
60°-70°	4386.3	24.3
70°-80°	1757.3	9.7
80°-90°	85.1	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°	18067.0	100.0
0°-180°	18067.0	100.0

Coefficient of Utilization



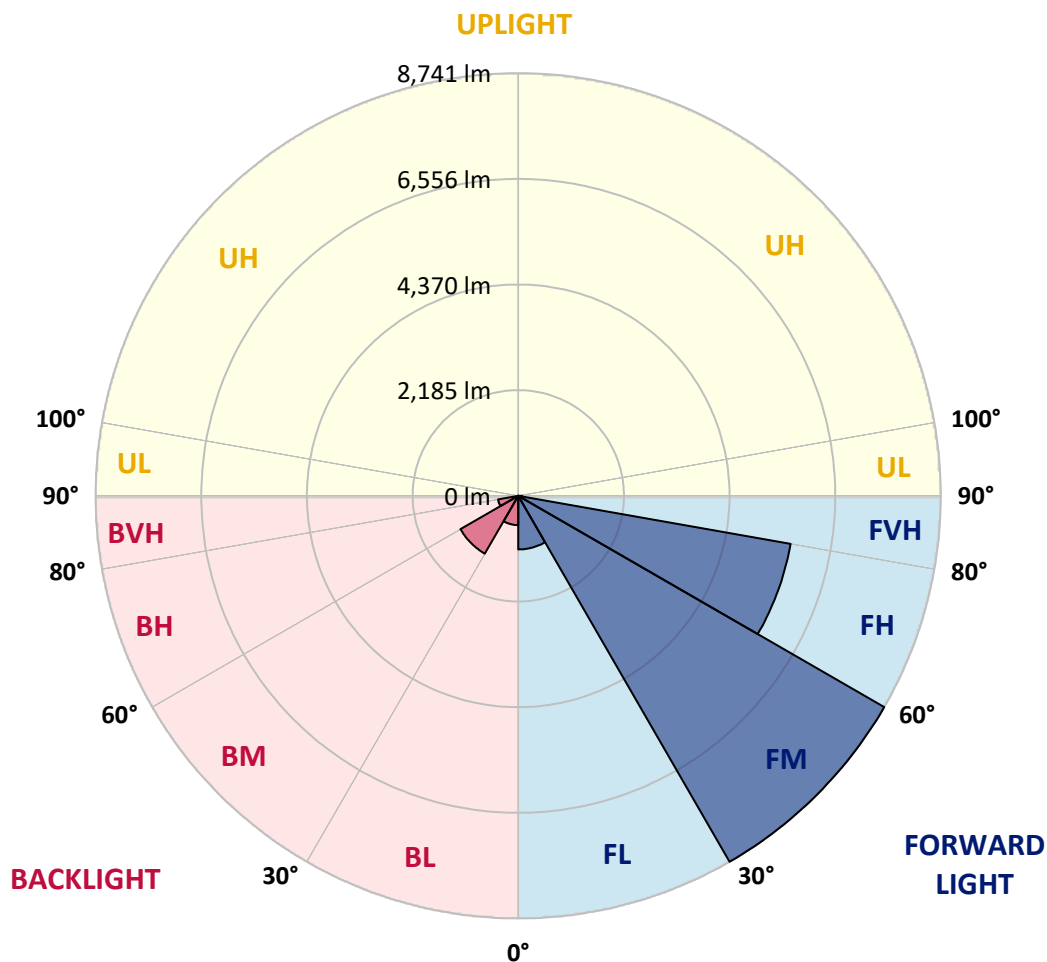
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1109.5	6.1			
FM (30°-60°)	8740.8	48.4			
FH (60°-80°)	5719.6	31.7			G3/7500
FVH (80°-90°)	81.0	0.4			G1/100
BL (0°-30°)	606.6	3.4	B2/1000		
BM (30°-60°)	1381.3	7.6	B2/2500		
BH (60°-80°)	424.1	2.3	B1/500		G1/500
BVH (80°-90°)	4.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2101.4	2101.4	2101.4	2101.4	2101.4	2101.4	2101.4	2101.4	2101.4	2101.4
2.5°	2094.1	2108.6	2105.0	2101.4	2100.2	2102.6	2103.8	2102.6	2102.6	2102.6
5°	2054.1	2066.3	2066.3	2074.7	2086.8	2101.4	2112.3	2114.7	2117.1	2120.8
7.5°	1977.8	1987.5	1994.8	2022.7	2052.9	2091.7	2124.4	2141.3	2143.8	2157.1
10°	1925.8	1937.9	1950.0	1979.1	2022.7	2080.8	2136.5	2177.7	2183.7	2215.2
12.5°	1923.3	1935.4	1951.2	1982.7	2033.6	2095.3	2163.1	2222.5	2233.4	2279.4
15°	1948.8	1963.3	1977.8	2016.6	2071.1	2146.2	2218.9	2292.7	2303.6	2369.0
17.5°	2000.9	2020.2	2031.1	2069.9	2128.0	2211.6	2307.3	2392.1	2401.7	2478.1
20°	2103.8	2126.8	2130.4	2161.9	2218.9	2308.5	2422.3	2527.7	2539.8	2627.0
22.5°	2317.0	2349.7	2320.6	2336.3	2387.2	2476.8	2600.4	2733.6	2750.6	2849.9
25°	2692.4	2738.5	2663.4	2636.7	2658.5	2751.8	2906.8	3075.2	3094.5	3174.5
27.5°	3430.0	3370.7	3256.8	3145.4	3080.0	3133.3	3307.7	3516.0	3540.2	3617.8
30°	4240.3	4188.2	4034.4	3787.3	3632.3	3623.8	3784.9	4017.5	4045.3	4119.2
32.5°	5051.8	5002.1	4835.0	4531.0	4262.1	4128.9	4240.3	4498.3	4512.8	4560.1
35°	5850.0	5799.1	5631.9	5320.7	4990.0	4687.2	4665.4	4956.1	4961.0	5010.6
37.5°	6653.0	6610.6	6432.5	6127.3	5801.5	5383.7	5181.4	5389.7	5395.8	5444.2
40°	7225.8	7244.0	7121.7	6885.5	6605.7	6149.1	5760.3	5851.2	5814.8	5896.0
42.5°	7717.6	7753.9	7647.3	7528.6	7366.3	6964.2	6477.3	6461.6	6403.5	6447.1
45°	8142.7	8173.0	8077.3	8049.4	8045.8	7763.6	7261.0	7166.5	7085.3	7076.9
47.5°	8298.9	8357.1	8398.3	8491.5	8673.2	8554.5	8071.2	7924.7	7833.8	7767.2
50°	8358.3	8420.1	8560.5	8831.9	9261.8	9312.7	8877.9	8713.2	8601.7	8480.6
52.5°	8278.3	8388.6	8577.5	9034.1	9657.9	9920.7	9651.8	9507.7	9380.5	9183.1
55°	7807.2	7917.4	8303.8	9031.7	9855.3	10347.0	10383.4	10319.2	10176.2	9865.0
57.5°	6814.0	6977.5	7589.2	8724.1	9851.7	10714.0	11100.4	11146.4	10986.5	10540.8
60°	5438.2	5659.8	6405.9	8042.2	9547.7	10912.6	11729.0	11959.1	11789.5	11207.0
62.5°	3794.6	4051.4	4757.5	6973.9	8852.4	10769.7	12188.0	12613.1	12484.7	11802.9
65°	2314.5	2396.9	2966.2	5487.8	7670.3	10171.4	12329.7	12966.8	12924.4	12167.4
67.5°	1541.8	1610.9	1774.4	3763.1	5954.1	8976.0	11990.6	12905.0	12917.1	12108.1
70°	929.0	988.3	1094.9	2188.6	3858.8	7104.7	10940.5	12117.8	12188.0	11314.7
72.5°	382.7	422.7	519.6	991.9	1998.4	4509.2	8711.9	10403.9	10567.5	9513.7
75°	216.8	237.4	305.2	497.8	867.2	2101.4	5277.1	7385.7	7626.7	6557.3
77.5°	144.1	153.8	197.4	322.2	488.1	717.0	2255.2	3847.9	4308.1	3581.4
80°	96.9	105.4	135.7	215.6	317.3	307.6	718.2	1425.5	1753.8	1230.5
82.5°	65.4	66.6	96.9	141.7	201.1	149.0	212.0	443.3	557.1	356.1
85°	37.5	36.3	71.5	82.4	89.6	61.8	64.2	133.2	174.4	150.2
87.5°	4.8	7.3	27.9	21.8	12.1	13.3	13.3	23.0	33.9	36.3
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°
2101.4	0°	2101.4	2101.4	2101.4	2101.4	2101.4	2101.4	2101.4	2101.4	2101.4	2101.4
2103.8	2.5°	2103.8	2102.6	2099.0	2095.3	2086.8	2082.0	2084.4	2082.0	2080.8	2082.0
2119.5	5°	2119.5	2115.9	2106.2	2094.1	2077.2	2056.6	2043.2	2023.9	2005.7	1994.8
2161.9	7.5°	2161.9	2158.3	2145.0	2111.1	2056.6	1970.6	1891.8	1822.8	1770.7	1740.5
2229.8	10°	2229.8	2223.7	2203.1	2128.0	1985.1	1797.4	1641.1	1511.5	1426.8	1386.8
2309.7	12.5°	2309.7	2302.4	2266.1	2112.3	1849.5	1556.4	1340.8	1196.6	1117.9	1082.8
2401.7	15°	2404.2	2394.5	2323.0	2037.2	1652.0	1289.9	1092.5	984.7	933.8	902.3
2519.2	17.5°	2521.7	2504.7	2365.4	1924.5	1437.7	1086.4	939.9	858.7	813.9	783.6
2673.1	20°	2674.3	2646.4	2399.3	1790.1	1240.2	958.0	836.9	769.1	735.2	708.5
2891.1	22.5°	2887.4	2847.5	2440.5	1644.8	1101.0	869.6	760.6	711.0	683.1	652.8
3195.1	25°	3151.5	3104.2	2491.4	1510.3	1005.3	793.3	704.9	663.7	631.0	595.9
3593.5	27.5°	3520.9	3436.1	2551.9	1400.1	922.9	727.9	654.0	608.0	570.5	541.4
4045.3	30°	3932.7	3793.4	2605.2	1333.5	847.8	667.4	587.4	541.4	506.3	485.7
4451.0	32.5°	4322.7	4133.7	2640.4	1304.4	780.0	598.3	514.7	465.1	438.4	432.4
4848.3	35°	4690.9	4441.4	2636.7	1276.6	719.4	529.3	443.3	392.4	371.8	375.5
5275.9	37.5°	5114.8	4769.6	2611.3	1233.0	669.8	466.3	381.5	336.7	318.5	319.7
5795.4	40°	5607.7	5148.7	2595.5	1150.6	615.3	408.2	330.6	294.3	281.0	276.1
6342.9	42.5°	6133.4	5515.7	2598.0	1057.4	547.4	356.1	295.5	265.2	253.1	249.5
6952.1	45°	6661.4	5865.7	2601.6	960.5	476.0	316.1	270.1	244.7	237.4	232.5
7569.8	47.5°	7158.0	6163.6	2533.8	856.3	405.7	285.8	249.5	232.5	226.5	220.4
8189.9	50°	7620.7	6362.3	2370.3	735.2	350.0	261.6	233.8	221.6	215.6	209.5
8751.9	52.5°	7980.4	6393.8	2100.2	610.4	311.3	243.4	224.1	213.2	205.9	199.8
9206.1	55°	8140.3	6196.3	1716.2	494.2	281.0	227.7	214.4	203.5	195.0	188.9
9563.4	57.5°	8099.1	5780.9	1338.3	397.3	251.9	212.0	202.3	195.0	185.3	175.6
9852.9	60°	7896.8	5225.0	1008.9	330.6	225.3	195.0	188.9	182.9	169.6	155.0
9964.3	62.5°	7546.8	4526.1	719.4	273.7	196.2	175.6	173.2	168.4	149.0	122.3
9799.6	65°	7011.5	3677.1	484.5	227.7	168.4	153.8	155.0	146.6	121.1	90.8
9196.4	67.5°	6229.0	2688.8	310.1	186.5	140.5	128.4	129.6	124.8	102.9	77.5
8053.1	70°	5232.3	1780.4	202.3	141.7	112.6	99.3	106.6	107.8	87.2	63.0
6180.6	72.5°	3835.8	1051.3	141.7	105.4	82.4	69.0	87.2	89.6	70.2	47.2
3718.3	75°	2186.2	499.0	106.6	76.3	50.9	48.4	67.8	67.8	48.4	31.5
1609.6	77.5°	918.1	208.3	75.1	49.7	29.1	27.9	46.0	42.4	24.2	14.5
392.4	80°	265.2	93.3	40.0	24.2	12.1	10.9	18.2	13.3	6.1	2.4
149.0	82.5°	104.2	41.2	15.7	9.7	4.8	4.8	2.4	0.0	0.0	0.0
84.8	85°	61.8	17.0	7.3	3.6	1.2	0.0	0.0	0.0	0.0	0.0
18.2	87.5°	15.7	3.6	2.4	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°
2101.4
2086.8
1997.2
1741.7
1383.2
1079.2
903.5
781.2
703.7
648.0
592.3
535.3
482.0
436.0
375.5
324.6
274.9
248.3
232.5
220.4
209.5
198.6
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