

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: P846717

Luminaire Tested: **GLAN-SB2C-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846717
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-SB2C-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA 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: 9185 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

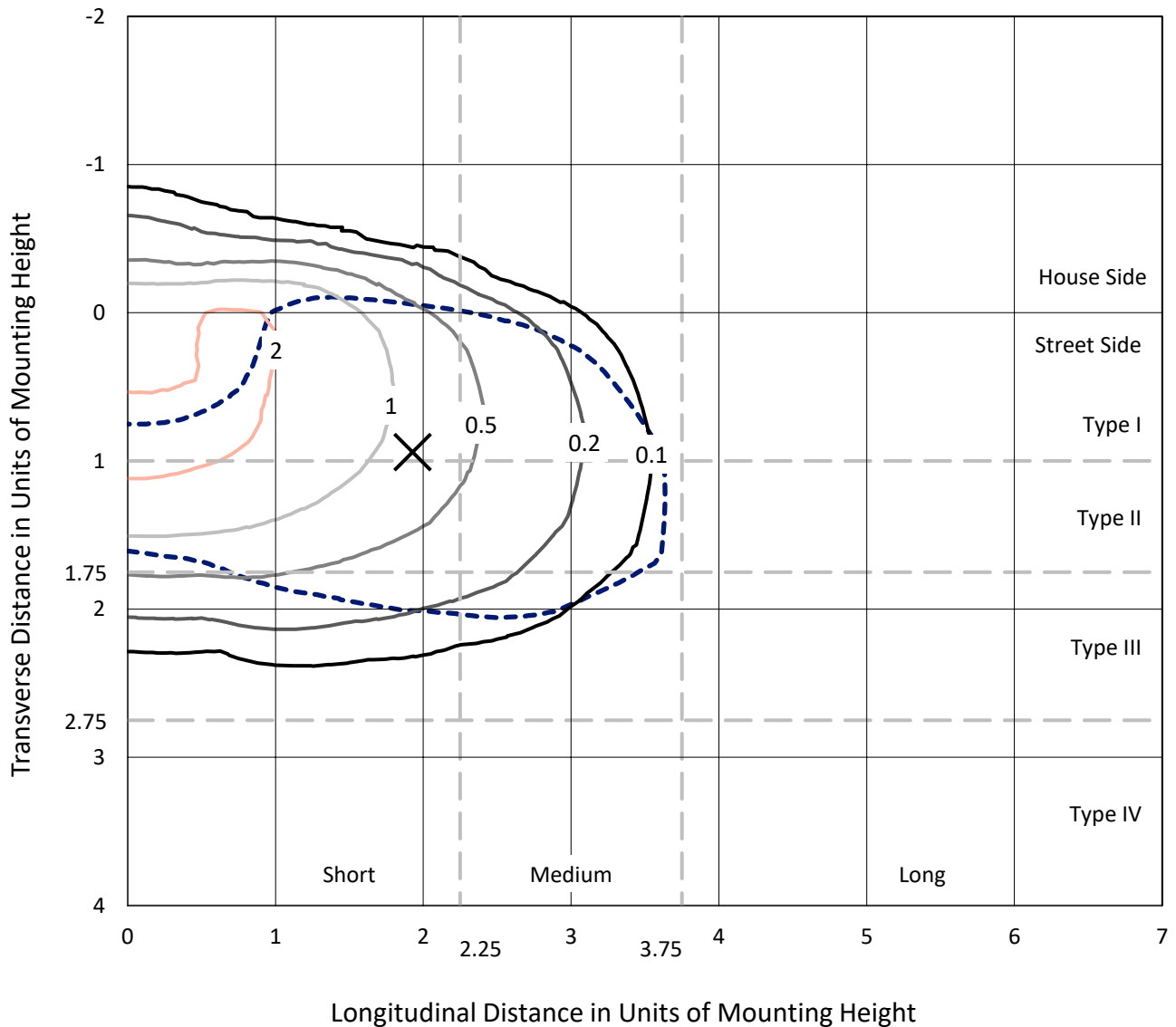
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

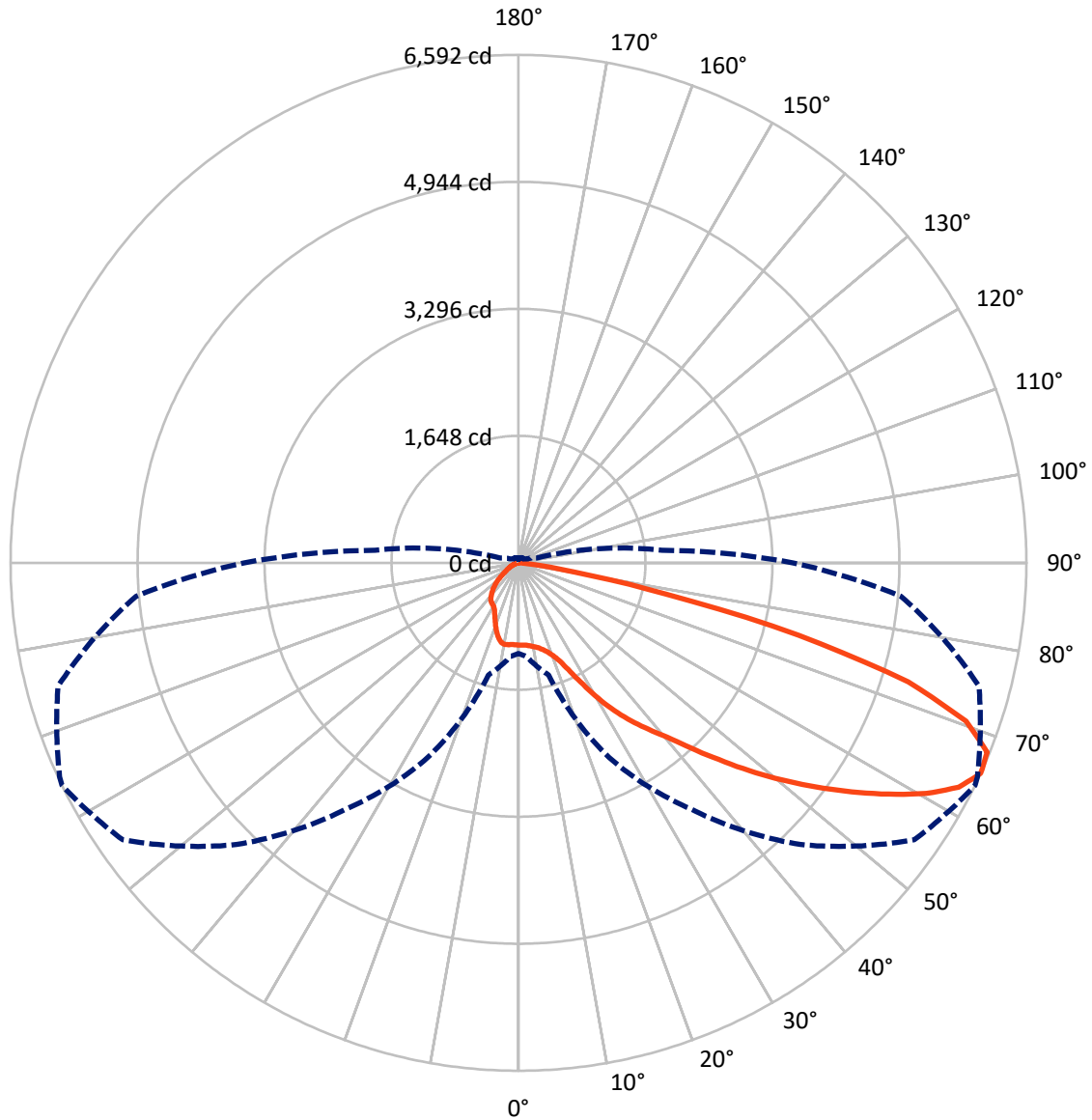
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	1228.3	0.0	1228.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	7956.7	0.0	7956.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	9185.0	0.0	9185.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	1.1
10°-20°	267.3	2.9
20°-30°	506.6	5.5
30°-40°	1025.1	11.2
40°-50°	1746.2	19.0
50°-60°	2374.7	25.9
60°-70°	2229.9	24.3
70°-80°	893.4	9.7
80°-90°	43.3	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°	9185.0	100.0
0°-180°	9185.0	100.0

Coefficient of Utilization



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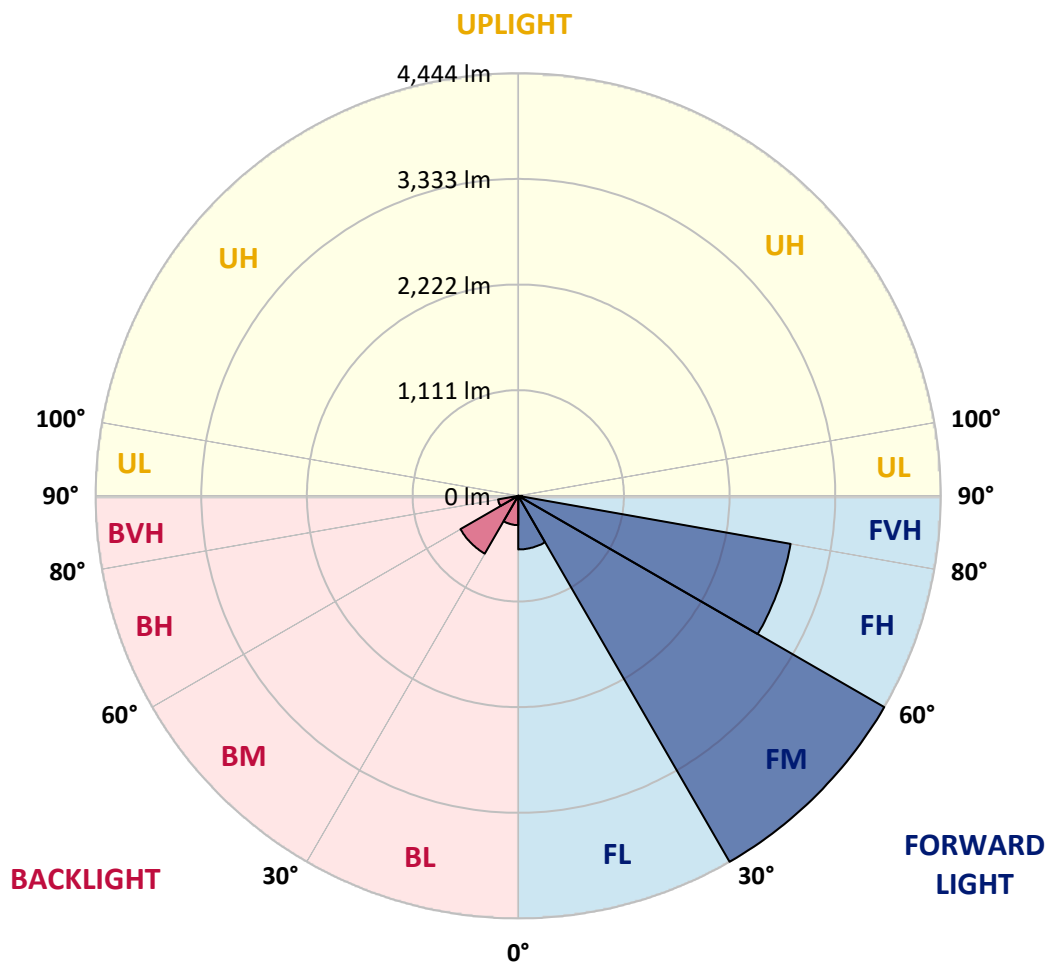
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	564.1	6.1			
FM (30°-60°)	4443.7	48.4			
FH (60°-80°)	2907.8	31.7			G2/5000
FVH (80°-90°)	41.2	0.4			G1/100
BL (0°-30°)	308.4	3.4	B1/500		
BM (30°-60°)	702.2	7.6	B1/1000		
BH (60°-80°)	215.6	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°	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3
2.5°	1064.6	1072.0	1070.2	1068.3	1067.7	1068.9	1069.5	1068.9	1068.9	1068.9
5°	1044.3	1050.5	1050.5	1054.8	1060.9	1068.3	1073.9	1075.1	1076.3	1078.2
7.5°	1005.5	1010.4	1014.1	1028.3	1043.7	1063.4	1080.0	1088.6	1089.9	1096.6
10°	979.0	985.2	991.3	1006.1	1028.3	1057.8	1086.2	1107.1	1110.2	1126.2
12.5°	977.8	984.0	992.0	1008.0	1033.8	1065.2	1099.7	1129.9	1135.4	1158.8
15°	990.7	998.1	1005.5	1025.2	1052.9	1091.1	1128.0	1165.6	1171.1	1204.4
17.5°	1017.2	1027.1	1032.6	1052.3	1081.9	1124.3	1173.0	1216.1	1221.0	1259.8
20°	1069.5	1081.2	1083.1	1099.1	1128.0	1173.6	1231.5	1285.1	1291.2	1335.5
22.5°	1177.9	1194.5	1179.8	1187.8	1213.6	1259.2	1322.0	1389.7	1398.3	1448.8
25°	1368.8	1392.2	1354.0	1340.5	1351.6	1399.0	1477.8	1563.4	1573.2	1613.9
27.5°	1743.8	1713.6	1655.7	1599.1	1565.8	1592.9	1681.6	1787.5	1799.8	1839.2
30°	2155.7	2129.2	2051.0	1925.4	1846.6	1842.3	1924.2	2042.4	2056.6	2094.1
32.5°	2568.3	2543.0	2458.0	2303.5	2166.8	2099.1	2155.7	2286.9	2294.3	2318.3
35°	2974.0	2948.2	2863.2	2705.0	2536.9	2382.9	2371.8	2519.6	2522.1	2547.3
37.5°	3382.3	3360.7	3270.2	3115.0	2949.4	2737.0	2634.1	2740.0	2743.1	2767.8
40°	3673.5	3682.7	3620.6	3500.5	3358.3	3126.1	2928.5	2974.6	2956.2	2997.4
42.5°	3923.5	3942.0	3887.8	3827.4	3744.9	3540.5	3293.0	3285.0	3255.4	3277.6
45°	4139.6	4155.0	4106.4	4092.2	4090.4	3946.9	3691.4	3643.3	3602.1	3597.8
47.5°	4219.1	4248.6	4269.5	4317.0	4409.3	4349.0	4103.3	4028.8	3982.6	3948.7
50°	4249.2	4280.6	4352.1	4490.0	4708.6	4734.4	4513.4	4429.6	4373.0	4311.4
52.5°	4208.6	4264.6	4360.7	4592.8	4909.9	5043.5	4906.8	4833.6	4768.9	4668.5
55°	3969.1	4025.1	4221.5	4591.6	5010.3	5260.3	5278.7	5246.1	5173.5	5015.2
57.5°	3464.2	3547.3	3858.2	4435.2	5008.4	5446.8	5643.3	5666.7	5585.4	5358.8
60°	2764.7	2877.4	3256.7	4088.5	4853.9	5547.8	5962.8	6079.8	5993.6	5697.5
62.5°	1929.1	2059.7	2418.6	3545.4	4500.5	5475.2	6196.2	6412.3	6347.1	6000.4
65°	1176.7	1218.6	1508.0	2789.9	3899.5	5171.0	6268.2	6592.1	6570.6	6185.7
67.5°	783.8	818.9	902.1	1913.1	3027.0	4563.3	6095.8	6560.7	6566.9	6155.6
70°	472.3	502.4	556.6	1112.6	1961.8	3611.9	5562.0	6160.5	6196.2	5752.3
72.5°	194.6	214.9	264.2	504.3	1016.0	2292.4	4429.0	5289.2	5372.3	4836.6
75°	110.2	120.7	155.2	253.1	440.9	1068.3	2682.8	3754.8	3877.3	3333.6
77.5°	73.3	78.2	100.4	163.8	248.1	364.5	1146.5	1956.2	2190.2	1820.7
80°	49.3	53.6	69.0	109.6	161.3	156.4	365.1	724.7	891.6	625.6
82.5°	33.3	33.9	49.3	72.0	102.2	75.7	107.8	225.4	283.2	181.0
85°	19.1	18.5	36.3	41.9	45.6	31.4	32.6	67.7	88.7	76.4
87.5°	2.5	3.7	14.2	11.1	6.2	6.8	6.8	11.7	17.2	18.5
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°
1068.3	0°	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3
1069.5	2.5°	1069.5	1068.9	1067.1	1065.2	1060.9	1058.5	1059.7	1058.5	1057.8	1058.5
1077.5	5°	1077.5	1075.7	1070.8	1064.6	1056.0	1045.5	1038.8	1028.9	1019.7	1014.1
1099.1	7.5°	1099.1	1097.3	1090.5	1073.2	1045.5	1001.8	961.8	926.7	900.2	884.8
1133.6	10°	1133.6	1130.5	1120.0	1081.9	1009.2	913.8	834.3	768.4	725.3	705.0
1174.2	12.5°	1174.2	1170.5	1152.1	1073.9	940.2	791.2	681.6	608.4	568.3	550.5
1221.0	15°	1222.2	1217.3	1181.0	1035.7	839.9	655.8	555.4	500.6	474.7	458.7
1280.7	17.5°	1282.0	1273.4	1202.5	978.4	730.9	552.3	477.8	436.6	413.8	398.4
1358.9	20°	1359.6	1345.4	1219.8	910.1	630.5	487.1	425.5	391.0	373.8	360.2
1469.8	22.5°	1467.9	1447.6	1240.7	836.2	559.7	442.1	386.7	361.4	347.3	331.9
1624.3	25°	1602.2	1578.1	1266.6	767.8	511.1	403.3	358.4	337.4	320.8	302.9
1826.9	27.5°	1790.0	1746.9	1297.4	711.8	469.2	370.1	332.5	309.1	290.0	275.2
2056.6	30°	1999.3	1928.5	1324.5	677.9	431.0	339.3	298.6	275.2	257.4	246.9
2262.8	32.5°	2197.6	2101.5	1342.3	663.2	396.5	304.2	261.7	236.4	222.9	219.8
2464.8	35°	2384.8	2257.9	1340.5	649.0	365.8	269.1	225.4	199.5	189.0	190.9
2682.2	37.5°	2600.3	2424.8	1327.5	626.8	340.5	237.1	194.0	171.2	161.9	162.6
2946.3	40°	2850.9	2617.5	1319.5	585.0	312.8	207.5	168.1	149.6	142.9	140.4
3224.6	42.5°	3118.1	2804.1	1320.8	537.5	278.3	181.0	150.2	134.8	128.7	126.8
3534.4	45°	3386.6	2982.0	1322.6	488.3	242.0	160.7	137.3	124.4	120.7	118.2
3848.4	47.5°	3639.0	3133.5	1288.1	435.3	206.3	145.3	126.8	118.2	115.1	112.1
4163.6	50°	3874.2	3234.5	1205.0	373.8	177.9	133.0	118.8	112.7	109.6	106.5
4449.3	52.5°	4057.1	3250.5	1067.7	310.3	158.2	123.8	113.9	108.4	104.7	101.6
4680.2	55°	4138.4	3150.1	872.5	251.2	142.9	115.8	109.0	103.4	99.1	96.1
4861.9	57.5°	4117.5	2938.9	680.4	202.0	128.1	107.8	102.8	99.1	94.2	89.3
5009.1	60°	4014.6	2656.3	512.9	168.1	114.5	99.1	96.1	93.0	86.2	78.8
5065.7	62.5°	3836.7	2301.0	365.8	139.2	99.8	89.3	88.1	85.6	75.7	62.2
4982.0	65°	3564.5	1869.4	246.3	115.8	85.6	78.2	78.8	74.5	61.6	46.2
4675.3	67.5°	3166.8	1366.9	157.6	94.8	71.4	65.3	65.9	63.4	52.3	39.4
4094.1	70°	2660.0	905.1	102.8	72.0	57.3	50.5	54.2	54.8	44.3	32.0
3142.1	72.5°	1950.1	534.5	72.0	53.6	41.9	35.1	44.3	45.6	35.7	24.0
1890.3	75°	1111.4	253.7	54.2	38.8	25.9	24.6	34.5	34.5	24.6	16.0
818.3	77.5°	466.7	105.9	38.2	25.2	14.8	14.2	23.4	21.6	12.3	7.4
199.5	80°	134.8	47.4	20.3	12.3	6.2	5.5	9.2	6.8	3.1	1.2
75.7	82.5°	53.0	20.9	8.0	4.9	2.5	2.5	1.2	0.0	0.0	0.0
43.1	85°	31.4	8.6	3.7	1.8	0.6	0.0	0.0	0.0	0.0	0.0
9.2	87.5°	8.0	1.8	1.2	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°
1068.3
1060.9
1015.4
885.4
703.2
548.6
459.3
397.2
357.7
329.4
301.1
272.2
245.1
221.7
190.9
165.0
139.8
126.2
118.2
112.1
106.5
101.0
95.4
88.7
77.6
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44.9
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