

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: P847737

Luminaire Tested: **GLAN-SB4A-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847737
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-SB4A-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 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: 11026 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

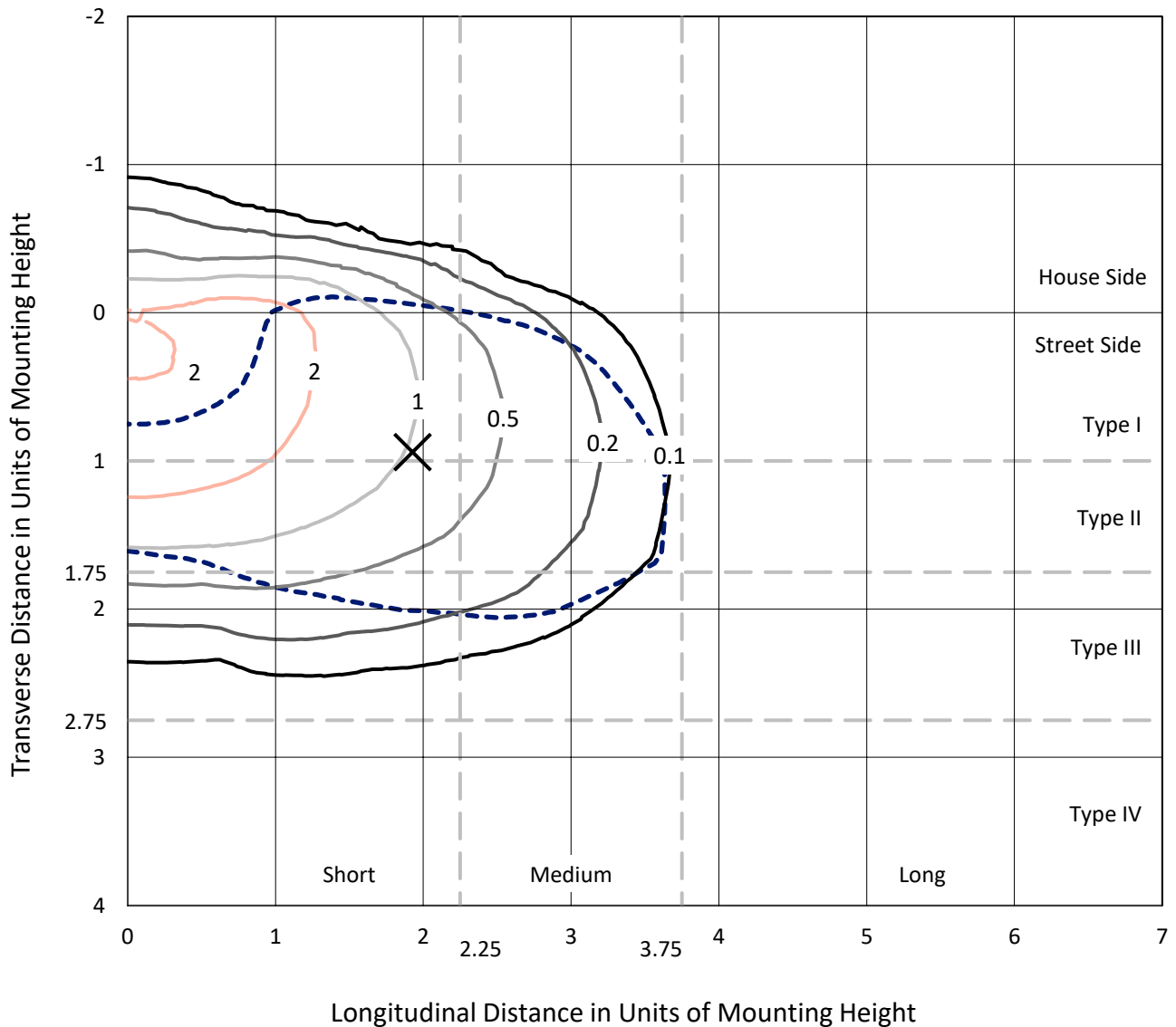
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

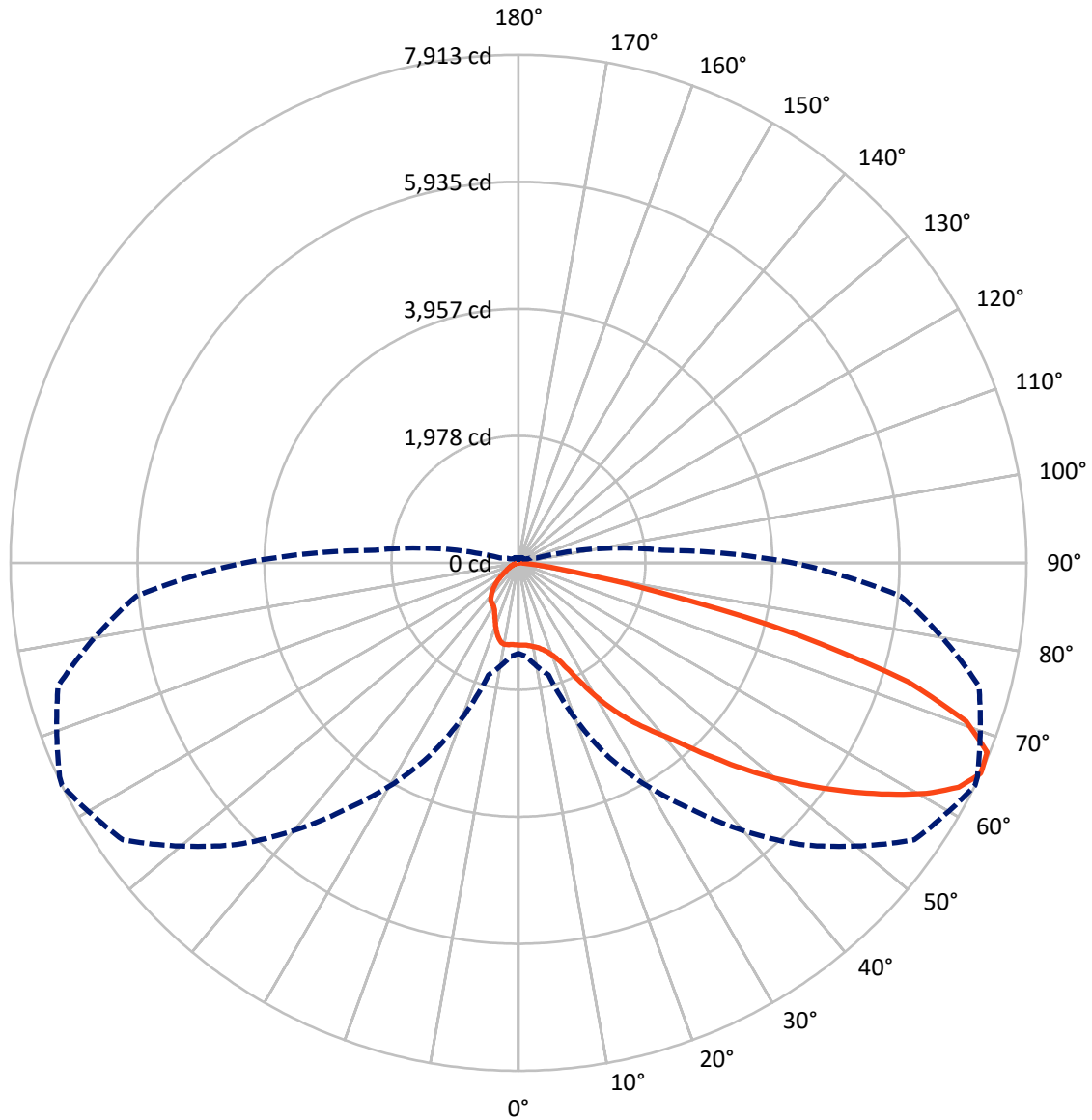
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	1474.5	0.0	1474.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	9551.5	0.0	9551.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	11026.0	0.0	11026.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	1.1
10°-20°	320.9	2.9
20°-30°	608.1	5.5
30°-40°	1230.5	11.2
40°-50°	2096.2	19.0
50°-60°	2850.6	25.9
60°-70°	2676.9	24.3
70°-80°	1072.5	9.7
80°-90°	52.0	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°	11026.0	100.0
0°-180°	11026.0	100.0

Coefficient of Utilization



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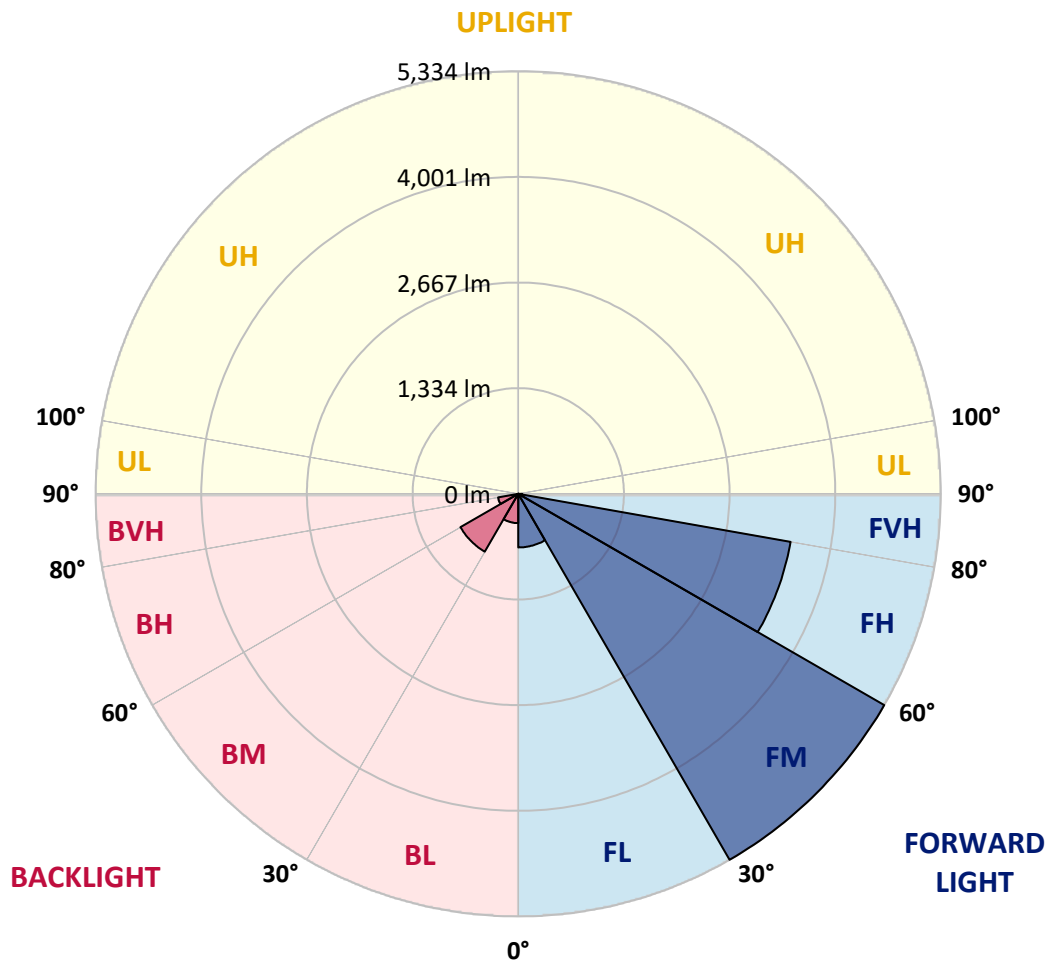
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	677.1	6.1			
FM (30°-60°)	5334.4	48.4			
FH (60°-80°)	3490.6	31.7			G2/5000
FVH (80°-90°)	49.4	0.4			G1/100
BL (0°-30°)	370.2	3.4	B1/500		
BM (30°-60°)	843.0	7.6	B1/1000		
BH (60°-80°)	258.8	2.3	B1/500		G1/500
BVH (80°-90°)	2.5	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°	1282.4	1282.4	1282.4	1282.4	1282.4	1282.4	1282.4	1282.4	1282.4	1282.4
2.5°	1278.0	1286.9	1284.7	1282.4	1281.7	1283.2	1283.9	1283.2	1283.2	1283.2
5°	1253.6	1261.0	1261.0	1266.2	1273.6	1282.4	1289.1	1290.6	1292.0	1294.3
7.5°	1207.0	1213.0	1217.4	1234.4	1252.9	1276.5	1296.5	1306.8	1308.3	1316.4
10°	1175.3	1182.7	1190.0	1207.8	1234.4	1269.9	1303.9	1329.0	1332.7	1351.9
12.5°	1173.8	1181.2	1190.8	1210.0	1241.0	1278.7	1320.1	1356.4	1363.0	1391.1
15°	1189.3	1198.2	1207.0	1230.7	1264.0	1309.8	1354.1	1399.2	1405.9	1445.8
17.5°	1221.1	1232.9	1239.6	1263.2	1298.7	1349.7	1408.1	1459.8	1465.7	1512.3
20°	1283.9	1298.0	1300.2	1319.4	1354.1	1408.8	1478.3	1542.6	1550.0	1603.2
22.5°	1414.0	1434.0	1416.2	1425.8	1456.9	1511.6	1587.0	1668.3	1678.6	1739.2
25°	1643.1	1671.2	1625.4	1609.1	1622.5	1679.4	1774.0	1876.7	1888.5	1937.3
27.5°	2093.3	2057.1	1987.6	1919.6	1879.7	1912.2	2018.6	2145.8	2160.6	2207.9
30°	2587.8	2556.0	2462.1	2311.3	2216.7	2211.6	2309.9	2451.8	2468.8	2513.9
32.5°	3083.0	3052.7	2950.7	2765.2	2601.1	2519.8	2587.8	2745.2	2754.1	2782.9
35°	3570.1	3539.1	3437.1	3247.1	3045.3	2860.5	2847.2	3024.6	3027.6	3057.9
37.5°	4060.2	4034.3	3925.7	3739.4	3540.6	3285.6	3162.1	3289.3	3292.9	3322.5
40°	4409.8	4420.9	4346.2	4202.1	4031.4	3752.7	3515.4	3570.9	3548.7	3598.2
42.5°	4709.9	4732.1	4667.0	4594.6	4495.6	4250.2	3953.0	3943.4	3907.9	3934.5
45°	4969.4	4987.8	4929.4	4912.4	4910.2	4738.0	4431.2	4373.6	4324.1	4318.9
47.5°	5064.7	5100.2	5125.3	5182.2	5293.1	5220.7	4925.7	4836.3	4780.9	4740.2
50°	5100.9	5138.6	5224.4	5389.9	5652.3	5683.4	5418.0	5317.5	5249.5	5175.6
52.5°	5052.1	5119.4	5234.7	5513.4	5894.0	6054.4	5890.3	5802.4	5724.8	5604.3
55°	4764.6	4831.9	5067.7	5511.9	6014.5	6314.6	6336.8	6297.6	6210.4	6020.4
57.5°	4158.5	4258.3	4631.6	5324.2	6012.3	6538.6	6774.4	6802.5	6704.9	6432.9
60°	3318.8	3454.1	3909.4	4908.0	5826.8	6659.8	7158.0	7298.4	7195.0	6839.4
62.5°	2315.8	2472.5	2903.4	4256.1	5402.5	6572.6	7438.1	7697.6	7619.2	7203.1
65°	1412.5	1462.8	1810.2	3349.1	4681.1	6207.4	7524.6	7913.4	7887.5	7425.6
67.5°	940.9	983.1	1082.9	2296.6	3633.7	5477.9	7317.7	7875.7	7883.1	7389.4
70°	566.9	603.2	668.2	1335.7	2355.0	4335.9	6676.8	7395.3	7438.1	6905.2
72.5°	233.6	258.0	317.1	605.4	1219.6	2751.9	5316.8	6349.4	6449.1	5806.1
75°	132.3	144.9	186.3	303.8	529.2	1282.4	3220.5	4507.4	4654.5	4001.8
77.5°	88.0	93.9	120.5	196.6	297.9	437.6	1376.3	2348.3	2629.2	2185.7
80°	59.1	64.3	82.8	131.6	193.7	187.7	438.3	870.0	1070.3	751.0
82.5°	39.9	40.7	59.1	86.5	122.7	90.9	129.4	270.5	340.0	217.3
85°	22.9	22.2	43.6	50.3	54.7	37.7	39.2	81.3	106.4	91.7
87.5°	3.0	4.4	17.0	13.3	7.4	8.1	8.1	14.0	20.7	22.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847737
 CATALOG NUMBER: GLAN-SB4A-722-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1282.4	0°	1282.4	1282.4	1282.4	1282.4	1282.4	1282.4	1282.4	1282.4	1282.4	1282.4
1283.9	2.5°	1283.9	1283.2	1281.0	1278.7	1273.6	1270.6	1272.1	1270.6	1269.9	1270.6
1293.5	5°	1293.5	1291.3	1285.4	1278.0	1267.7	1255.1	1247.0	1235.1	1224.0	1217.4
1319.4	7.5°	1319.4	1317.2	1309.0	1288.4	1255.1	1202.6	1154.6	1112.4	1080.6	1062.2
1360.8	10°	1360.8	1357.1	1344.5	1298.7	1211.5	1096.9	1001.6	922.5	870.7	846.3
1409.6	12.5°	1409.6	1405.1	1383.0	1289.1	1128.7	949.8	818.2	730.3	682.2	660.8
1465.7	15°	1467.2	1461.3	1417.7	1243.3	1008.2	787.2	666.7	600.9	569.9	550.7
1537.4	17.5°	1538.9	1528.6	1443.6	1174.5	877.4	663.0	573.6	524.1	496.7	478.2
1631.3	20°	1632.1	1615.1	1464.3	1092.5	756.9	584.7	510.8	469.4	448.7	432.4
1764.4	22.5°	1762.2	1737.8	1489.4	1003.8	671.9	530.7	464.2	433.9	416.9	398.4
1949.9	25°	1923.3	1894.5	1520.4	921.7	613.5	484.1	430.2	405.1	385.1	363.7
2193.1	27.5°	2148.7	2097.0	1557.4	854.5	563.2	444.2	399.1	371.1	348.1	330.4
2468.8	30°	2400.0	2315.0	1589.9	813.8	517.4	407.3	358.5	330.4	309.0	296.4
2716.4	32.5°	2638.1	2522.7	1611.4	796.1	476.0	365.1	314.1	283.8	267.6	263.9
2958.8	35°	2862.8	2710.5	1609.1	779.1	439.1	323.0	270.5	239.5	226.9	229.1
3219.8	37.5°	3121.5	2910.8	1593.6	752.5	408.8	284.6	232.8	205.5	194.4	195.1
3536.9	40°	3422.3	3142.2	1584.0	702.2	375.5	249.1	201.8	179.6	171.5	168.5
3871.0	42.5°	3743.1	3366.1	1585.5	645.3	334.1	217.3	180.4	161.9	154.5	152.3
4242.8	45°	4065.4	3579.7	1587.7	586.2	290.5	192.9	164.8	149.3	144.9	141.9
4619.7	47.5°	4368.4	3761.6	1546.3	522.6	247.6	174.4	152.3	141.9	138.2	134.5
4998.2	50°	4650.8	3882.8	1446.5	448.7	213.6	159.7	142.7	135.3	131.6	127.9
5341.2	52.5°	4870.3	3902.0	1281.7	372.5	190.0	148.6	136.7	130.1	125.7	122.0
5618.3	55°	4967.9	3781.5	1047.4	301.6	171.5	139.0	130.8	124.2	119.0	115.3
5836.4	57.5°	4942.7	3528.0	816.8	242.4	153.7	129.4	123.4	119.0	113.1	107.2
6013.0	60°	4819.3	3188.7	615.7	201.8	137.5	119.0	115.3	111.6	103.5	94.6
6081.0	62.5°	4605.7	2762.2	439.1	167.0	119.7	107.2	105.7	102.7	90.9	74.7
5980.5	65°	4279.0	2244.1	295.7	139.0	102.7	93.9	94.6	89.4	73.9	55.4
5612.4	67.5°	3801.5	1640.9	189.2	113.8	85.7	78.4	79.1	76.1	62.8	47.3
4914.7	70°	3193.2	1086.6	123.4	86.5	68.7	60.6	65.0	65.8	53.2	38.4
3771.9	72.5°	2340.9	641.6	86.5	64.3	50.3	42.1	53.2	54.7	42.9	28.8
2269.2	75°	1334.2	304.5	65.0	46.6	31.0	29.6	41.4	41.4	29.6	19.2
982.3	77.5°	560.3	127.1	45.8	30.3	17.7	17.0	28.1	25.9	14.8	8.9
239.5	80°	161.9	56.9	24.4	14.8	7.4	6.7	11.1	8.1	3.7	1.5
90.9	82.5°	63.6	25.1	9.6	5.9	3.0	3.0	1.5	0.0	0.0	0.0
51.7	85°	37.7	10.3	4.4	2.2	0.7	0.0	0.0	0.0	0.0	0.0
11.1	87.5°	9.6	2.2	1.5	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°
1282.4
1273.6
1218.9
1062.9
844.1
658.6
551.4
476.8
429.5
395.4
361.4
326.7
294.2
266.1
229.1
198.1
167.8
151.5
141.9
134.5
127.9
121.2
114.6
106.4
93.1
73.2
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45.1
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