

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: P847157

Luminaire Tested: **GLAN-SB3A-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847157
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-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 4000K, 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: 9387 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

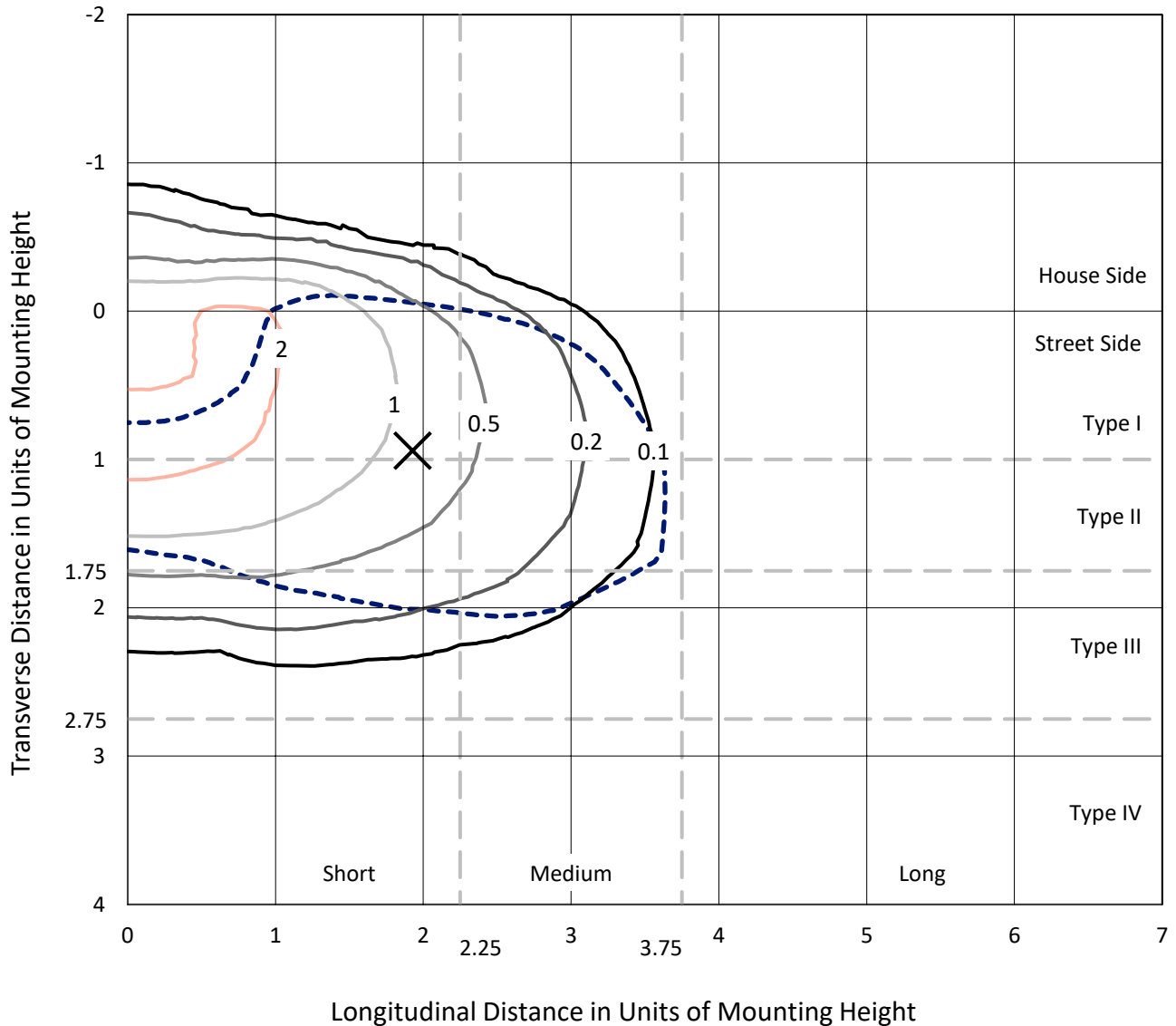
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

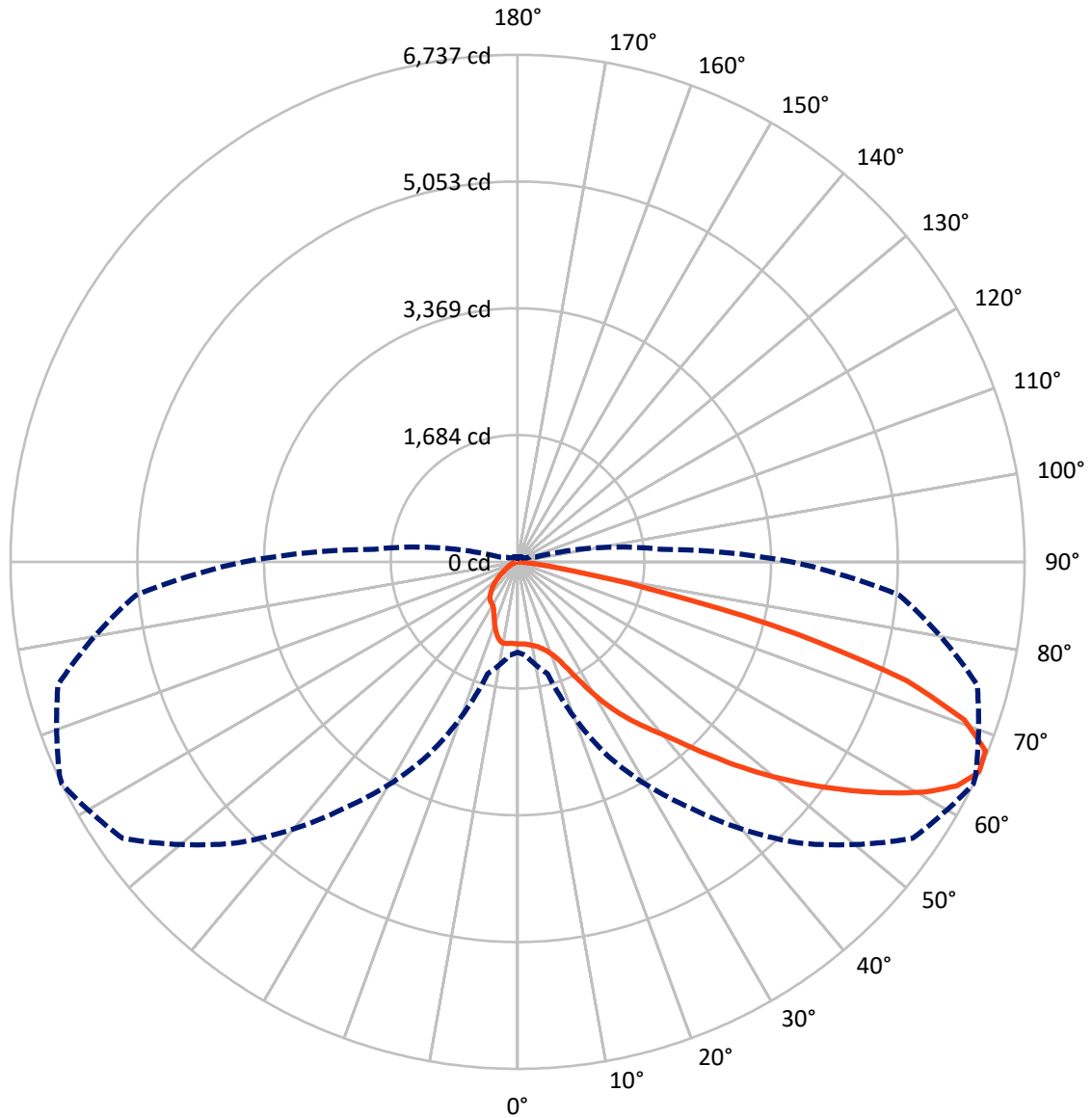
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	1255.3	0.0	1255.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	8131.7	0.0	8131.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	9387.0	0.0	9387.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	1.1
10°-20°	273.2	2.9
20°-30°	517.7	5.5
30°-40°	1047.6	11.2
40°-50°	1784.6	19.0
50°-60°	2426.9	25.9
60°-70°	2279.0	24.3
70°-80°	913.1	9.7
80°-90°	44.2	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°	9387.0	100.0
0°-180°	9387.0	100.0

Coefficient of Utilization



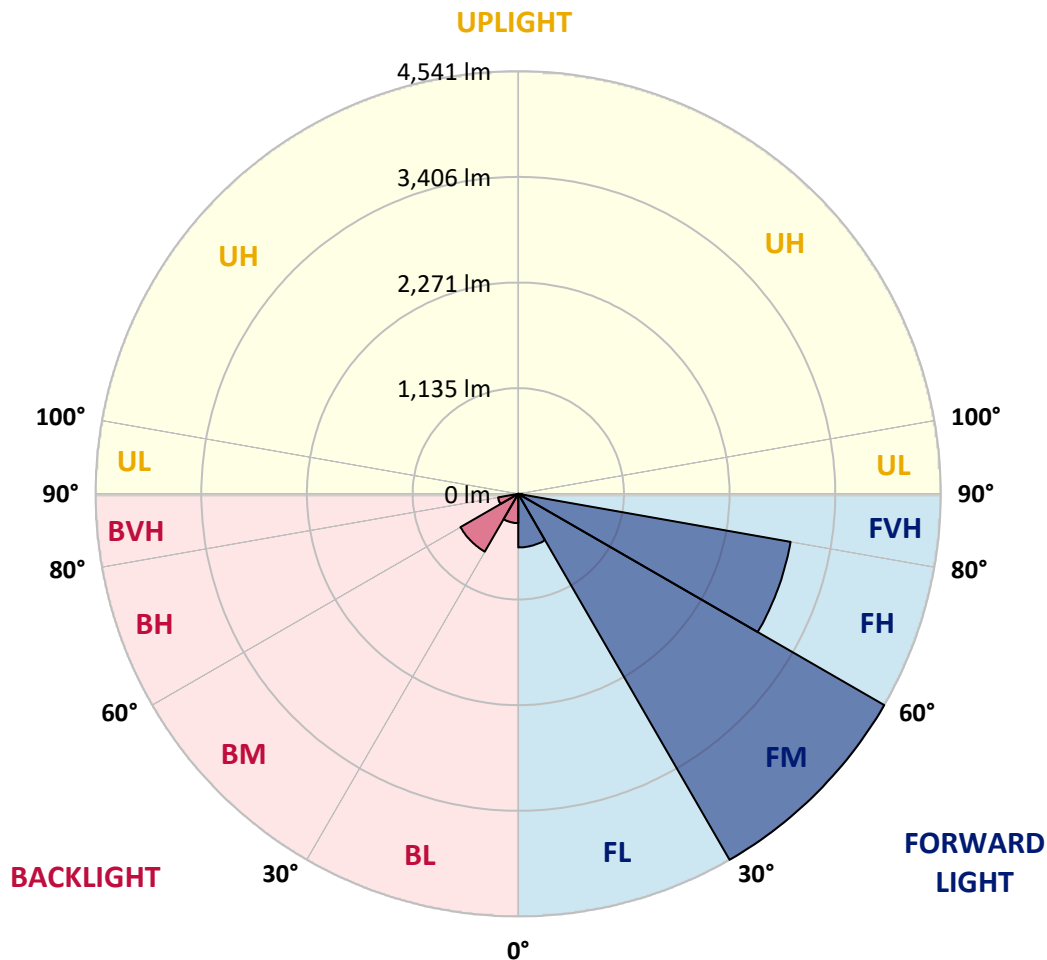
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	576.5	6.1			
FM (30°-60°)	4541.4	48.4			
FH (60°-80°)	2971.7	31.7			G2/5000
FVH (80°-90°)	42.1	0.4			G1/100
BL (0°-30°)	315.2	3.4	B1/500		
BM (30°-60°)	717.7	7.6	B1/1000		
BH (60°-80°)	220.3	2.3	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8
2.5°	1088.0	1095.6	1093.7	1091.8	1091.2	1092.4	1093.1	1092.4	1092.4	1092.4
5°	1067.3	1073.6	1073.6	1078.0	1084.3	1091.8	1097.5	1098.7	1100.0	1101.9
7.5°	1027.6	1032.7	1036.4	1050.9	1066.6	1086.8	1103.8	1112.6	1113.8	1120.8
10°	1000.6	1006.9	1013.1	1028.2	1050.9	1081.1	1110.1	1131.5	1134.6	1151.0
12.5°	999.3	1005.6	1013.8	1030.1	1056.6	1088.7	1123.9	1154.7	1160.4	1184.3
15°	1012.5	1020.1	1027.6	1047.8	1076.1	1115.1	1152.8	1191.2	1196.9	1230.9
17.5°	1039.6	1049.6	1055.3	1075.4	1105.6	1149.1	1198.8	1242.8	1247.9	1287.5
20°	1093.1	1105.0	1106.9	1123.3	1152.8	1199.4	1258.6	1313.3	1319.6	1364.9
22.5°	1203.8	1220.8	1205.7	1213.9	1240.3	1286.9	1351.1	1420.3	1429.1	1480.7
25°	1398.9	1422.8	1383.8	1369.9	1381.3	1429.7	1510.3	1597.7	1607.8	1649.4
27.5°	1782.1	1751.3	1692.1	1634.2	1600.3	1628.0	1718.6	1826.8	1839.4	1879.7
30°	2203.1	2176.1	2096.1	1967.8	1887.2	1882.8	1966.5	2087.3	2101.8	2140.2
32.5°	2624.7	2598.9	2512.1	2354.1	2214.4	2145.2	2203.1	2337.2	2344.7	2369.2
35°	3039.4	3013.0	2926.2	2764.4	2592.6	2435.3	2424.0	2575.0	2577.5	2603.3
37.5°	3456.7	3434.6	3342.1	3183.5	3014.3	2797.2	2692.1	2800.3	2803.5	2828.6
40°	3754.3	3763.7	3700.2	3577.5	3432.1	3194.9	2992.9	3040.1	3021.2	3063.3
42.5°	4009.8	4028.7	3973.3	3911.6	3827.3	3618.4	3365.4	3357.2	3327.0	3349.7
45°	4230.7	4246.4	4196.7	4182.2	4180.3	4033.7	3772.6	3723.5	3681.3	3676.9
47.5°	4311.8	4342.1	4363.4	4411.9	4506.3	4444.6	4193.5	4117.4	4070.2	4035.6
50°	4342.7	4374.8	4447.8	4588.7	4812.1	4838.6	4612.6	4527.1	4469.2	4406.2
52.5°	4301.1	4358.4	4456.6	4693.8	5017.9	5154.5	5014.8	4939.9	4873.8	4771.2
55°	4056.4	4113.6	4314.4	4692.6	5120.5	5376.0	5394.8	5361.5	5287.2	5125.5
57.5°	3540.3	3625.3	3943.1	4532.7	5118.6	5566.6	5767.4	5791.3	5708.2	5476.6
60°	2825.5	2940.6	3328.3	4178.4	4960.6	5669.8	6094.0	6213.5	6125.4	5822.8
62.5°	1971.5	2105.0	2471.8	3623.4	4599.4	5595.6	6332.5	6553.4	6486.6	6132.4
65°	1202.6	1245.4	1541.1	2851.3	3985.2	5284.7	6406.1	6737.1	6715.1	6321.8
67.5°	801.1	836.9	921.9	1955.2	3093.6	4663.6	6229.9	6705.0	6711.3	6290.9
70°	482.7	513.5	568.9	1137.1	2004.9	3691.4	5684.3	6296.0	6332.5	5878.8
72.5°	198.9	219.6	270.0	515.4	1038.3	2342.8	4526.4	5405.5	5490.5	4943.0
75°	112.6	123.3	158.6	258.6	450.6	1091.8	2741.8	3837.4	3962.6	3406.9
77.5°	74.9	79.9	102.6	167.4	253.6	372.5	1171.7	1999.2	2238.4	1860.8
80°	50.3	54.7	70.5	112.0	164.9	159.8	373.2	740.7	911.2	639.4
82.5°	34.0	34.6	50.3	73.6	104.5	77.4	110.1	230.3	289.5	185.0
85°	19.5	18.9	37.1	42.8	46.6	32.1	33.4	69.2	90.6	78.0
87.5°	2.5	3.8	14.5	11.3	6.3	6.9	6.9	12.0	17.6	18.9
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°
1091.8	0°	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8
1093.1	2.5°	1093.1	1092.4	1090.5	1088.7	1084.3	1081.7	1083.0	1081.7	1081.1	1081.7
1101.2	5°	1101.2	1099.4	1094.3	1088.0	1079.2	1068.5	1061.6	1051.5	1042.1	1036.4
1123.3	7.5°	1123.3	1121.4	1114.5	1096.8	1068.5	1023.8	982.9	947.1	920.0	904.3
1158.5	10°	1158.5	1155.4	1144.7	1105.6	1031.4	933.9	852.7	785.3	741.3	720.5
1200.0	12.5°	1200.0	1196.3	1177.4	1097.5	960.9	808.6	696.6	621.7	580.8	562.6
1247.9	15°	1249.1	1244.1	1207.0	1058.5	858.3	670.2	567.6	511.6	485.2	468.8
1308.9	17.5°	1310.2	1301.4	1229.0	999.9	747.0	564.5	488.3	446.2	422.9	407.1
1388.8	20°	1389.5	1375.0	1246.6	930.1	644.4	497.8	434.8	399.6	382.0	368.1
1502.1	22.5°	1500.2	1479.4	1268.0	854.6	572.0	451.8	395.2	369.4	354.9	339.2
1660.0	25°	1637.4	1612.9	1294.4	784.7	522.3	412.2	366.2	344.8	327.9	309.6
1867.1	27.5°	1829.3	1785.3	1325.9	727.5	479.5	378.2	339.8	315.9	296.4	281.3
2101.8	30°	2043.3	1970.9	1353.6	692.8	440.5	346.7	305.2	281.3	263.0	252.3
2312.6	32.5°	2245.9	2147.7	1371.8	677.7	405.3	310.9	267.4	241.6	227.8	224.7
2519.0	35°	2437.2	2307.6	1369.9	663.3	373.8	275.0	230.3	203.9	193.2	195.1
2741.2	37.5°	2657.5	2478.1	1356.7	640.6	348.0	242.3	198.2	174.9	165.5	166.1
3011.1	40°	2913.6	2675.1	1348.6	597.8	319.7	212.1	171.8	152.9	146.0	143.5
3295.6	42.5°	3186.7	2865.8	1349.8	549.4	284.4	185.0	153.5	137.8	131.5	129.6
3612.1	45°	3461.1	3047.6	1351.7	499.0	247.3	164.2	140.3	127.1	123.3	120.8
3933.0	47.5°	3719.1	3202.4	1316.5	444.9	210.8	148.5	129.6	120.8	117.7	114.5
4255.2	50°	3959.4	3305.6	1231.5	382.0	181.9	135.9	121.5	115.2	112.0	108.9
4547.2	52.5°	4146.3	3322.0	1091.2	317.2	161.7	126.5	116.4	110.8	107.0	103.8
4783.2	55°	4229.4	3219.4	891.7	256.7	146.0	118.3	111.4	105.7	101.3	98.2
4968.8	57.5°	4208.0	3003.6	695.4	206.4	130.9	110.1	105.1	101.3	96.3	91.2
5119.2	60°	4102.9	2714.7	524.2	171.8	117.0	101.3	98.2	95.0	88.1	80.5
5177.1	62.5°	3921.1	2351.6	373.8	142.2	101.9	91.2	90.0	87.5	77.4	63.6
5091.5	65°	3642.9	1910.5	251.7	118.3	87.5	79.9	80.5	76.1	62.9	47.2
4778.1	67.5°	3236.4	1397.0	161.1	96.9	73.0	66.7	67.3	64.8	53.5	40.3
4184.1	70°	2718.5	925.0	105.1	73.6	58.5	51.6	55.4	56.0	45.3	32.7
3211.2	72.5°	1992.9	546.2	73.6	54.7	42.8	35.9	45.3	46.6	36.5	24.5
1931.9	75°	1135.9	259.3	55.4	39.6	26.4	25.2	35.2	35.2	25.2	16.4
836.3	77.5°	477.0	108.2	39.0	25.8	15.1	14.5	23.9	22.0	12.6	7.6
203.9	80°	137.8	48.5	20.8	12.6	6.3	5.7	9.4	6.9	3.1	1.3
77.4	82.5°	54.1	21.4	8.2	5.0	2.5	2.5	1.3	0.0	0.0	0.0
44.0	85°	32.1	8.8	3.8	1.9	0.6	0.0	0.0	0.0	0.0	0.0
9.4	87.5°	8.2	1.9	1.3	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°
1091.8
1084.3
1037.7
904.9
718.6
560.7
469.4
405.9
365.6
336.7
307.7
278.1
250.5
226.5
195.1
168.6
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129.0
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108.9
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