

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: P847137

Luminaire Tested: **GLAN-SB3A-830-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847137
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-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 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: 9063 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

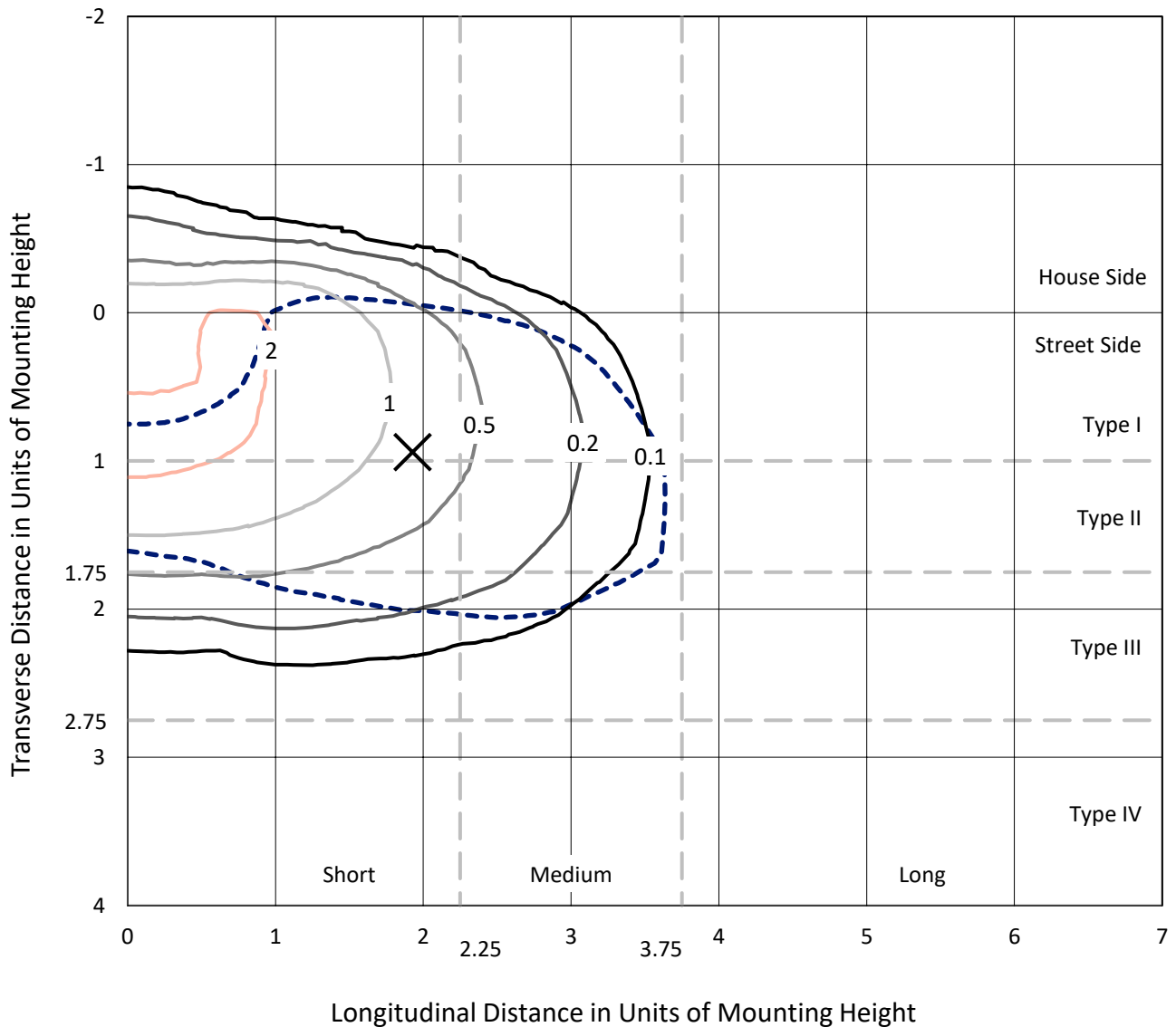
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

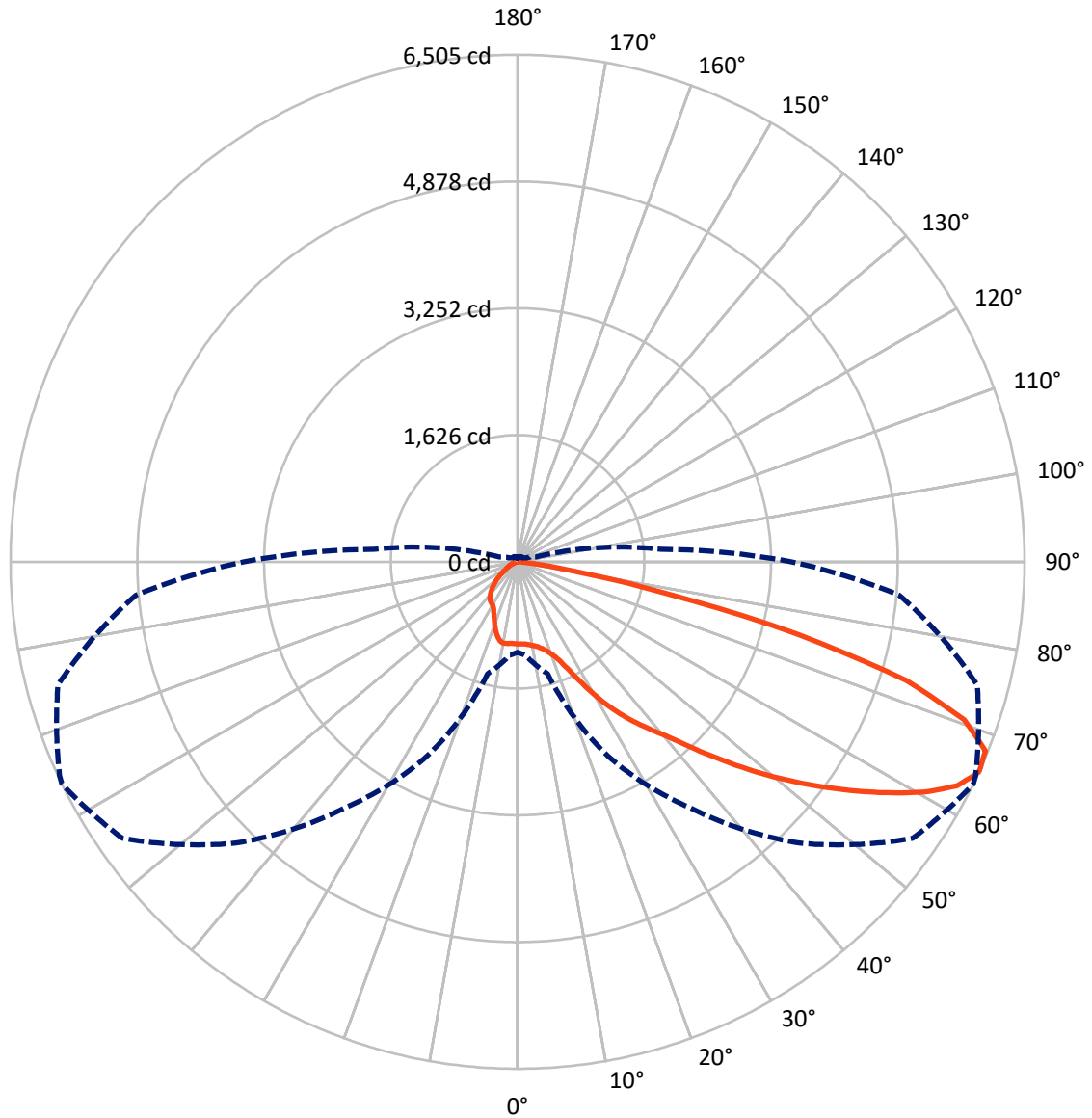
× Max cd
 - - - 1/2 Max cd



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	1212.0	0.0	1212.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	7851.0	0.0	7851.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	9063.0	0.0	9063.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	1.1
10°-20°	263.8	2.9
20°-30°	499.8	5.5
30°-40°	1011.4	11.2
40°-50°	1723.0	19.0
50°-60°	2343.1	25.9
60°-70°	2200.3	24.3
70°-80°	881.5	9.7
80°-90°	42.7	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°	9063.0	100.0
0°-180°	9063.0	100.0

Coefficient of Utilization



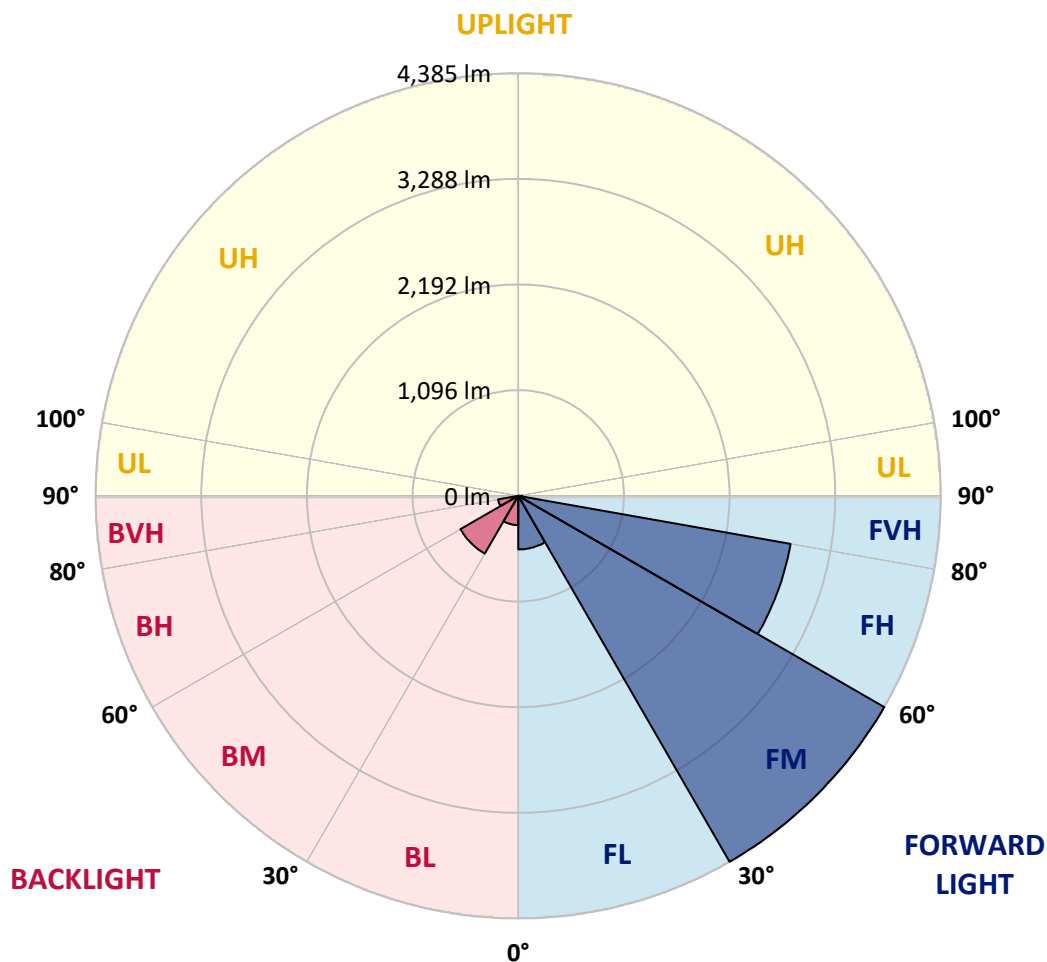
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	556.6	6.1			
FM (30°-60°)	4384.7	48.4			
FH (60°-80°)	2869.1	31.7			G2/5000
FVH (80°-90°)	40.6	0.4			G1/100
BL (0°-30°)	304.3	3.4	B1/500		
BM (30°-60°)	692.9	7.6	B1/1000		
BH (60°-80°)	212.7	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°	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1
2.5°	1050.5	1057.8	1055.9	1054.1	1053.5	1054.7	1055.3	1054.7	1054.7	1054.7
5°	1030.4	1036.5	1036.5	1040.8	1046.8	1054.1	1059.6	1060.8	1062.0	1063.8
7.5°	992.1	997.0	1000.7	1014.6	1029.8	1049.3	1065.7	1074.2	1075.4	1082.1
10°	966.0	972.1	978.2	992.8	1014.6	1043.8	1071.7	1092.4	1095.4	1111.2
12.5°	964.8	970.9	978.8	994.6	1020.1	1051.1	1085.1	1114.9	1120.3	1143.4
15°	977.6	984.9	992.1	1011.6	1038.9	1076.6	1113.1	1150.1	1155.6	1188.4
17.5°	1003.7	1013.4	1018.9	1038.3	1067.5	1109.4	1157.4	1199.9	1204.8	1243.1
20°	1055.3	1066.9	1068.7	1084.5	1113.1	1158.0	1215.1	1268.0	1274.1	1317.8
22.5°	1162.3	1178.7	1164.1	1172.0	1197.5	1242.5	1304.4	1371.3	1379.8	1429.6
25°	1350.6	1373.7	1336.0	1322.7	1333.6	1380.4	1458.2	1542.6	1552.3	1592.4
27.5°	1720.6	1690.8	1633.7	1577.8	1545.0	1571.8	1659.3	1763.8	1775.9	1814.8
30°	2127.1	2101.0	2023.8	1899.8	1822.1	1817.8	1898.6	2015.3	2029.3	2066.3
32.5°	2534.1	2509.2	2425.4	2272.9	2138.0	2071.2	2127.1	2256.5	2263.8	2287.5
35°	2934.5	2909.0	2825.2	2669.0	2503.2	2351.3	2340.3	2486.1	2488.6	2513.5
37.5°	3337.3	3316.1	3226.8	3073.7	2910.2	2700.6	2599.2	2703.7	2706.7	2731.0
40°	3624.7	3633.8	3572.5	3454.0	3313.6	3084.6	2889.6	2935.1	2916.9	2957.6
42.5°	3871.4	3889.6	3836.1	3776.6	3695.2	3493.5	3249.2	3241.3	3212.2	3234.1
45°	4084.6	4099.8	4051.8	4037.9	4036.0	3894.5	3642.3	3594.9	3554.2	3550.0
47.5°	4163.0	4192.2	4212.8	4259.6	4350.8	4291.2	4048.8	3975.3	3929.7	3896.3
50°	4192.8	4223.8	4294.3	4430.3	4646.0	4671.5	4453.4	4370.8	4314.9	4254.2
52.5°	4152.7	4208.0	4302.8	4531.8	4844.7	4976.5	4841.7	4769.4	4705.6	4606.5
55°	3916.3	3971.6	4165.4	4530.6	4943.7	5190.4	5208.6	5176.4	5104.7	4948.6
57.5°	3418.1	3500.2	3807.0	4376.3	4941.9	5374.5	5568.3	5591.4	5511.2	5287.6
60°	2728.0	2839.1	3213.4	4034.2	4789.4	5474.1	5883.6	5999.1	5914.0	5621.8
62.5°	1903.5	2032.3	2386.5	3498.3	4440.7	5402.4	6113.9	6327.2	6262.8	5920.7
65°	1161.1	1202.4	1487.9	2752.9	3847.7	5102.3	6185.0	6504.6	6483.3	6103.6
67.5°	773.4	808.1	890.1	1887.7	2986.8	4502.6	6014.9	6473.6	6479.7	6073.8
70°	466.0	495.8	549.2	1097.9	1935.7	3564.0	5488.1	6078.7	6113.9	5675.8
72.5°	192.0	212.0	260.6	497.6	1002.5	2262.0	4370.2	5219.0	5301.0	4772.4
75°	108.8	119.1	153.1	249.7	435.0	1054.1	2647.1	3704.9	3825.8	3289.3
77.5°	72.3	77.2	99.0	161.6	244.8	359.7	1131.3	1930.2	2161.1	1796.6
80°	48.6	52.9	68.0	108.1	159.2	154.3	360.3	715.1	879.8	617.3
82.5°	32.8	33.4	48.6	71.1	100.9	74.7	106.3	222.4	279.5	178.6
85°	18.8	18.2	35.8	41.3	45.0	31.0	32.2	66.8	87.5	75.3
87.5°	2.4	3.6	14.0	10.9	6.1	6.7	6.7	11.5	17.0	18.2
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°
1054.1	0°	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1
1055.3	2.5°	1055.3	1054.7	1052.9	1051.1	1046.8	1044.4	1045.6	1044.4	1043.8	1044.4
1063.2	5°	1063.2	1061.4	1056.6	1050.5	1042.0	1031.6	1025.0	1015.2	1006.1	1000.7
1084.5	7.5°	1084.5	1082.7	1076.0	1059.0	1031.6	988.5	949.0	914.4	888.3	873.1
1118.5	10°	1118.5	1115.5	1105.2	1067.5	995.8	901.6	823.2	758.2	715.7	695.7
1158.6	12.5°	1158.6	1155.0	1136.7	1059.6	927.7	780.7	672.6	600.3	560.8	543.2
1204.8	15°	1206.0	1201.2	1165.3	1021.9	828.7	647.1	548.0	493.9	468.4	452.6
1263.7	17.5°	1264.9	1256.4	1186.6	965.4	721.2	545.0	471.5	430.8	408.3	393.1
1340.9	20°	1341.5	1327.5	1203.6	898.0	622.1	480.6	419.8	385.8	368.8	355.4
1450.3	22.5°	1448.4	1428.4	1224.2	825.1	552.3	436.2	381.5	356.6	342.7	327.5
1602.7	25°	1580.9	1557.2	1249.8	757.6	504.3	398.0	353.6	332.9	316.5	298.9
1802.6	27.5°	1766.2	1723.7	1280.1	702.3	463.0	365.1	328.1	305.0	286.2	271.6
2029.3	30°	1972.8	1902.9	1306.9	668.9	425.3	334.8	294.7	271.6	254.0	243.6
2232.8	32.5°	2168.4	2073.6	1324.5	654.3	391.3	300.1	258.2	233.3	219.9	216.9
2432.1	35°	2353.1	2227.9	1322.7	640.4	360.9	265.5	222.4	196.9	186.5	188.3
2646.5	37.5°	2565.7	2392.6	1309.9	618.5	336.0	233.9	191.4	168.9	159.8	160.4
2907.2	40°	2813.0	2582.7	1302.0	577.2	308.6	204.7	165.9	147.6	141.0	138.5
3181.8	42.5°	3076.7	2766.8	1303.2	530.4	274.6	178.6	148.2	133.1	127.0	125.2
3487.4	45°	3341.6	2942.4	1305.0	481.8	238.8	158.6	135.5	122.7	119.1	116.7
3797.3	47.5°	3590.7	3091.9	1271.0	429.5	203.5	143.4	125.2	116.7	113.6	110.6
4108.3	50°	3822.8	3191.5	1189.0	368.8	175.6	131.2	117.3	111.2	108.1	105.1
4390.2	52.5°	4003.2	3207.3	1053.5	306.2	156.1	122.1	112.4	106.9	103.3	100.2
4618.1	55°	4083.4	3108.3	860.9	247.9	141.0	114.2	107.5	102.1	97.8	94.8
4797.3	57.5°	4062.8	2899.9	671.4	199.3	126.4	106.3	101.5	97.8	93.0	88.1
4942.5	60°	3961.3	2621.0	506.1	165.9	113.0	97.8	94.8	91.7	85.1	77.8
4998.4	62.5°	3785.7	2270.5	360.9	137.3	98.4	88.1	86.9	84.5	74.7	61.4
4915.8	65°	3517.2	1844.6	243.0	114.2	84.5	77.2	77.8	73.5	60.8	45.6
4613.2	67.5°	3124.7	1348.8	155.5	93.6	70.5	64.4	65.0	62.6	51.6	38.9
4039.7	70°	2624.7	893.1	101.5	71.1	56.5	49.8	53.5	54.1	43.7	31.6
3100.4	72.5°	1924.2	527.4	71.1	52.9	41.3	34.6	43.7	45.0	35.2	23.7
1865.2	75°	1096.7	250.3	53.5	38.3	25.5	24.3	34.0	34.0	24.3	15.8
807.5	77.5°	460.5	104.5	37.7	24.9	14.6	14.0	23.1	21.3	12.2	7.3
196.9	80°	133.1	46.8	20.0	12.2	6.1	5.5	9.1	6.7	3.0	1.2
74.7	82.5°	52.3	20.7	7.9	4.9	2.4	2.4	1.2	0.0	0.0	0.0
42.5	85°	31.0	8.5	3.6	1.8	0.6	0.0	0.0	0.0	0.0	0.0
9.1	87.5°	7.9	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°
1054.1
1046.8
1001.9
873.7
693.8
541.3
453.2
391.9
353.0
325.0
297.1
268.5
241.8
218.7
188.3
162.8
137.9
124.6
116.7
110.6
105.1
99.6
94.2
87.5
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60.1
44.4
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30.4
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