

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: P847857

Luminaire Tested: **GLAN-SB4A-927-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847857  
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-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 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: 9080 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

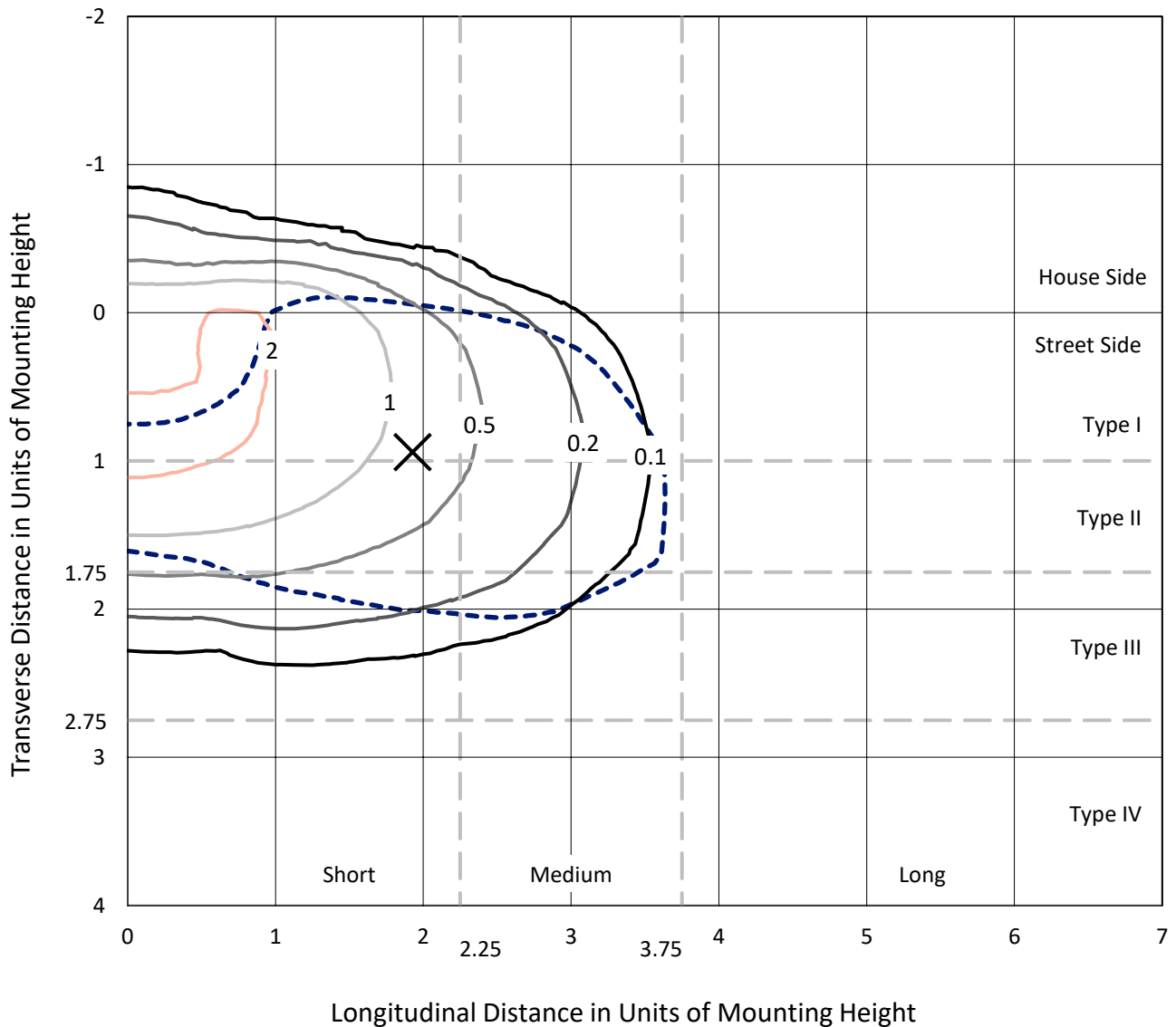
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

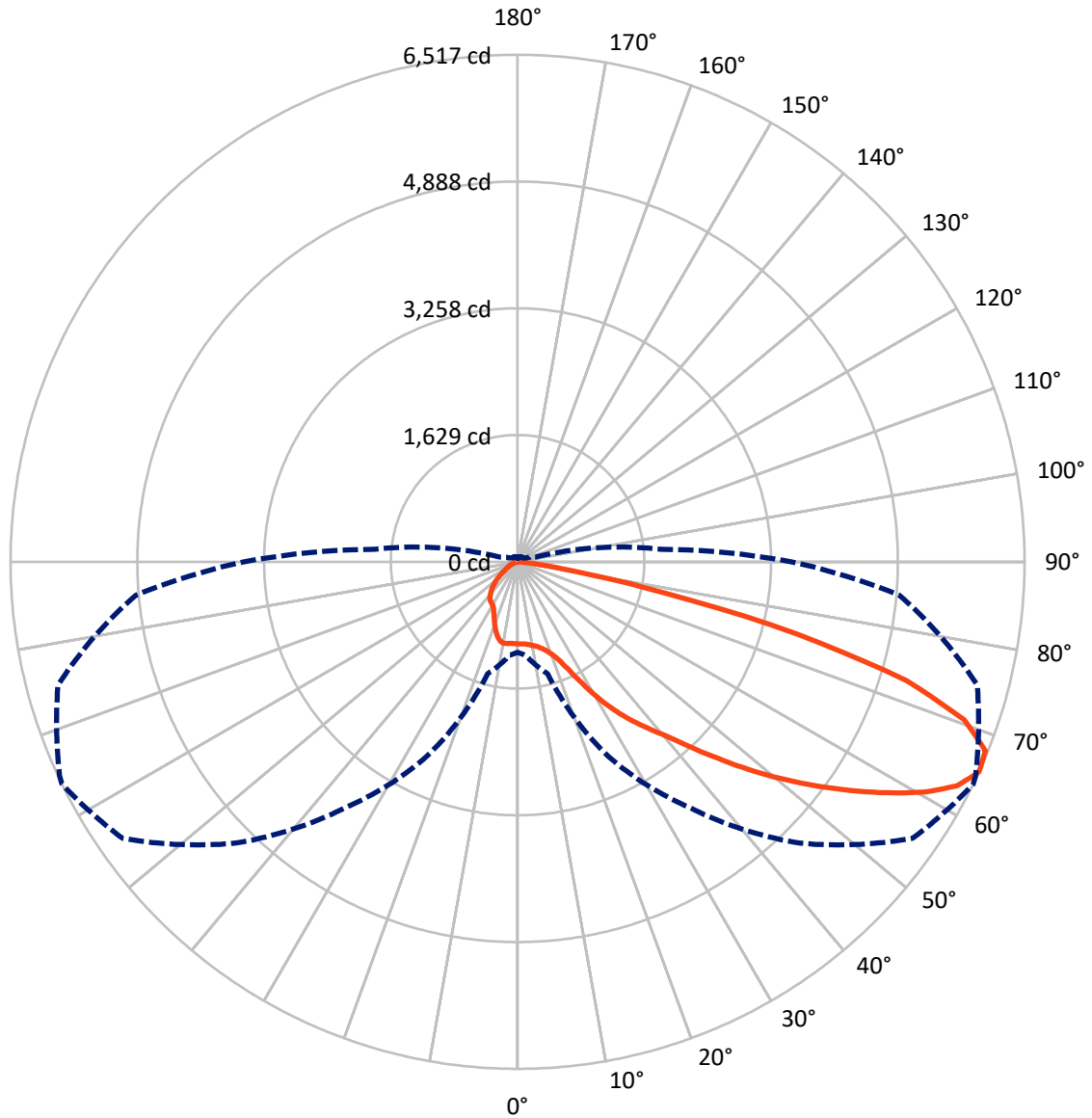
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
<b>House Side</b>	Lumens	1214.3	0.0	1214.3
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	7865.7	0.0	7865.7
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	9080.0	0.0	9080.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.4	1.1
10°-20°	264.3	2.9
20°-30°	500.8	5.5
30°-40°	1013.3	11.2
40°-50°	1726.2	19.0
50°-60°	2347.5	25.9
60°-70°	2204.4	24.3
70°-80°	883.2	9.7
80°-90°	42.8	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°	9080.0	100.0
0°-180°	9080.0	100.0

**Coefficient of Utilization**



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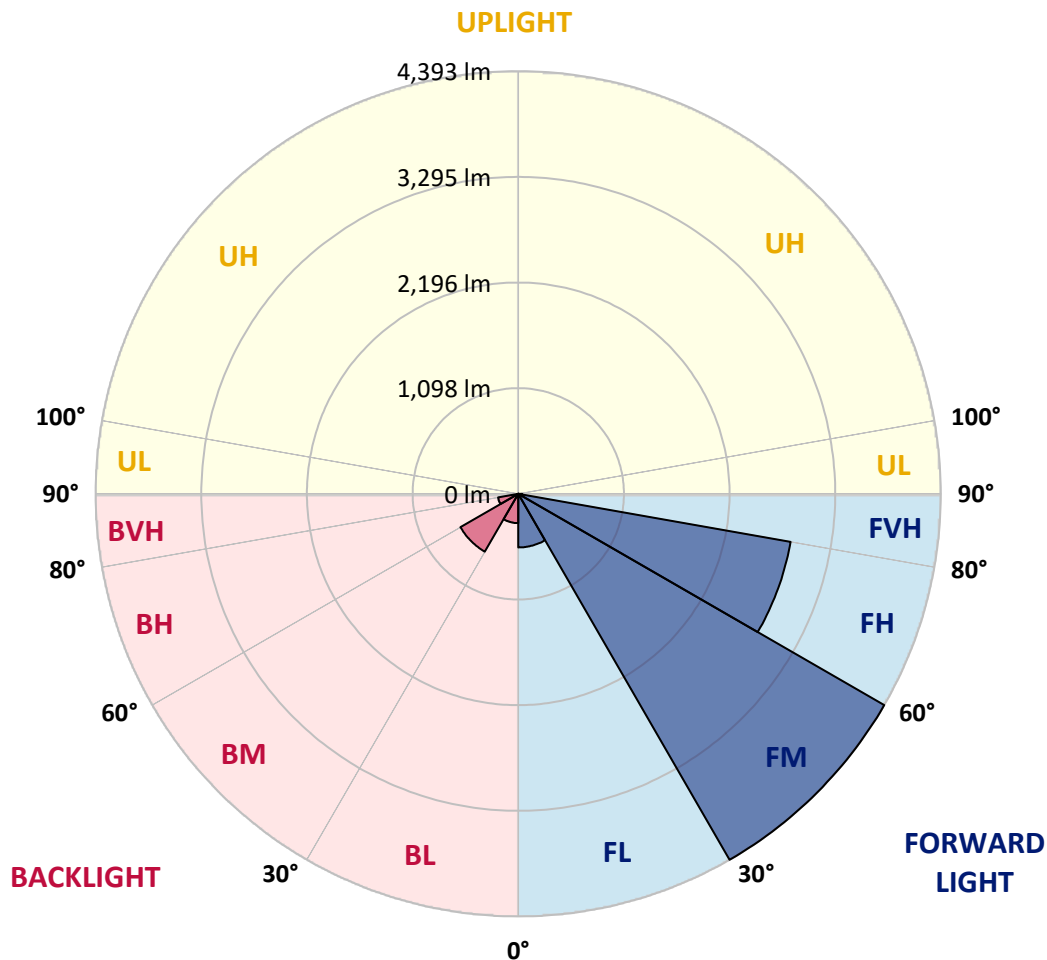
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	557.6	6.1			
FM (30°-60°)	4392.9	48.4			
FH (60°-80°)	2874.5	31.7			G2/5000
FVH (80°-90°)	40.7	0.4			G1/100
BL (0°-30°)	304.9	3.4	B1/500		
BM (30°-60°)	694.2	7.6	B1/1000		
BH (60°-80°)	213.1	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°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1
2.5°	1052.4	1059.8	1057.9	1056.1	1055.5	1056.7	1057.3	1056.7	1056.7	1056.7
5°	1032.4	1038.4	1038.4	1042.7	1048.8	1056.1	1061.6	1062.8	1064.0	1065.8
7.5°	994.0	998.9	1002.5	1016.5	1031.8	1051.2	1067.7	1076.2	1077.4	1084.1
10°	967.8	973.9	980.0	994.6	1016.5	1045.8	1073.8	1094.4	1097.5	1113.3
12.5°	966.6	972.7	980.6	996.4	1022.0	1053.1	1087.1	1117.0	1122.4	1145.6
15°	979.4	986.7	994.0	1013.5	1040.9	1078.6	1115.1	1152.3	1157.8	1190.6
17.5°	1005.6	1015.3	1020.8	1040.3	1069.5	1111.5	1159.6	1202.2	1207.1	1245.4
20°	1057.3	1068.9	1070.7	1086.5	1115.1	1160.2	1217.4	1270.4	1276.4	1320.3
22.5°	1164.4	1180.9	1166.3	1174.2	1199.8	1244.8	1306.9	1373.8	1382.4	1432.3
25°	1353.1	1376.3	1338.5	1325.1	1336.1	1383.0	1460.9	1545.5	1555.2	1595.4
27.5°	1723.8	1694.0	1636.8	1580.8	1547.9	1574.7	1662.4	1767.1	1779.2	1818.2
30°	2131.1	2104.9	2027.6	1903.4	1825.5	1821.2	1902.2	2019.1	2033.1	2070.2
32.5°	2538.9	2513.9	2429.9	2277.2	2142.0	2075.1	2131.1	2260.7	2268.0	2291.8
35°	2940.0	2914.5	2830.5	2674.0	2507.9	2355.7	2344.7	2490.8	2493.2	2518.2
37.5°	3343.6	3322.3	3232.8	3079.4	2915.7	2705.7	2604.0	2708.7	2711.8	2736.1
40°	3631.5	3640.6	3579.2	3460.5	3319.9	3090.4	2895.0	2940.6	2922.4	2963.2
42.5°	3878.7	3896.9	3843.3	3783.7	3702.1	3500.0	3255.3	3247.4	3218.2	3240.1
45°	4092.3	4107.5	4059.4	4045.4	4043.6	3901.8	3649.2	3601.7	3560.9	3556.6
47.5°	4170.8	4200.0	4220.7	4267.6	4358.9	4299.3	4056.4	3982.7	3937.1	3903.6
50°	4200.7	4231.7	4302.3	4438.7	4654.7	4680.3	4461.8	4379.0	4323.0	4262.1
52.5°	4160.5	4215.9	4310.8	4540.3	4853.8	4985.9	4850.7	4778.3	4714.4	4615.2
55°	3923.7	3979.1	4173.3	4539.1	4953.0	5200.1	5218.4	5186.1	5114.3	4957.9
57.5°	3424.6	3506.7	3814.1	4384.5	4951.2	5384.6	5578.8	5601.9	5521.5	5297.5
60°	2733.1	2844.5	3219.4	4041.8	4798.4	5484.4	5894.7	6010.3	5925.1	5632.3
62.5°	1907.1	2036.1	2391.0	3504.9	4449.0	5412.6	6125.4	6339.0	6274.5	5931.8
65°	1163.2	1204.6	1490.7	2758.0	3854.9	5111.9	6196.6	6516.8	6495.5	6115.0
67.5°	774.9	809.6	891.7	1891.2	2992.4	4511.1	6026.2	6485.7	6491.8	6085.2
70°	466.9	496.7	550.3	1099.9	1939.3	3570.6	5498.4	6090.1	6125.4	5686.5
72.5°	192.3	212.4	261.1	498.5	1004.4	2266.2	4378.4	5228.8	5310.9	4781.4
75°	109.0	119.3	153.4	250.2	435.8	1056.1	2652.1	3711.9	3833.0	3295.5
77.5°	72.4	77.3	99.2	161.9	245.3	360.4	1133.4	1933.8	2165.2	1799.9
80°	48.7	53.0	68.2	108.3	159.5	154.6	361.0	716.4	881.4	618.4
82.5°	32.9	33.5	48.7	71.2	101.0	74.9	106.5	222.8	280.0	179.0
85°	18.9	18.3	35.9	41.4	45.0	31.0	32.3	67.0	87.7	75.5
87.5°	2.4	3.7	14.0	11.0	6.1	6.7	6.7	11.6	17.0	18.3
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°
1056.1	0°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1
1057.3	2.5°	1057.3	1056.7	1054.9	1053.1	1048.8	1046.4	1047.6	1046.4	1045.8	1046.4
1065.2	5°	1065.2	1063.4	1058.5	1052.4	1043.9	1033.6	1026.9	1017.1	1008.0	1002.5
1086.5	7.5°	1086.5	1084.7	1078.0	1061.0	1033.6	990.4	950.8	916.1	889.9	874.7
1120.6	10°	1120.6	1117.6	1107.2	1069.5	997.7	903.3	824.8	759.7	717.1	697.0
1160.8	12.5°	1160.8	1157.1	1138.9	1061.6	929.5	782.2	673.8	601.4	561.8	544.2
1207.1	15°	1208.3	1203.4	1167.5	1023.8	830.3	648.3	549.0	494.9	469.3	453.5
1266.1	17.5°	1267.3	1258.8	1188.8	967.2	722.5	546.0	472.4	431.6	409.0	393.8
1343.4	20°	1344.0	1330.0	1205.8	899.7	623.3	481.5	420.6	386.5	369.5	356.1
1453.0	22.5°	1451.1	1431.1	1226.5	826.6	553.3	437.0	382.3	357.3	343.3	328.1
1605.8	25°	1583.8	1560.1	1252.1	759.1	505.2	398.7	354.3	333.6	317.1	299.5
1806.0	27.5°	1769.5	1726.9	1282.5	703.7	463.8	365.8	328.7	305.6	286.7	272.1
2033.1	30°	1976.5	1906.5	1309.3	670.2	426.1	335.4	295.2	272.1	254.4	244.1
2237.0	32.5°	2172.5	2077.5	1327.0	655.6	392.0	300.7	258.7	233.7	220.4	217.3
2436.6	35°	2357.5	2232.1	1325.1	641.6	361.6	266.0	222.8	197.2	186.9	188.7
2651.5	37.5°	2570.5	2397.1	1312.4	619.7	336.6	234.4	191.7	169.2	160.1	160.7
2912.6	40°	2818.3	2587.6	1304.4	578.3	309.2	205.1	166.2	147.9	141.2	138.8
3187.8	42.5°	3082.5	2772.0	1305.7	531.4	275.1	179.0	148.5	133.3	127.2	125.4
3494.0	45°	3347.9	2947.9	1307.5	482.7	239.2	158.9	135.7	123.0	119.3	116.9
3804.4	47.5°	3597.4	3097.7	1273.4	430.4	203.9	143.7	125.4	116.9	113.8	110.8
4116.0	50°	3830.0	3197.5	1191.2	369.5	175.9	131.5	117.5	111.4	108.3	105.3
4398.5	52.5°	4010.7	3213.3	1055.5	306.8	156.4	122.3	112.6	107.1	103.5	100.4
4626.7	55°	4091.1	3114.1	862.5	248.4	141.2	114.4	107.7	102.3	98.0	95.0
4806.3	57.5°	4070.4	2905.3	672.6	199.7	126.6	106.5	101.7	98.0	93.1	88.3
4951.8	60°	3968.7	2625.9	507.0	166.2	113.2	98.0	95.0	91.9	85.2	77.9
5007.8	62.5°	3792.8	2274.7	361.6	137.6	98.6	88.3	87.0	84.6	74.9	61.5
4925.0	65°	3523.8	1848.0	243.5	114.4	84.6	77.3	77.9	73.7	60.9	45.7
4621.9	67.5°	3130.6	1351.3	155.8	93.7	70.6	64.5	65.1	62.7	51.7	39.0
4047.3	70°	2629.6	894.8	101.7	71.2	56.6	49.9	53.6	54.2	43.8	31.7
3106.2	72.5°	1927.8	528.4	71.2	53.0	41.4	34.7	43.8	45.0	35.3	23.7
1868.7	75°	1098.7	250.8	53.6	38.3	25.6	24.3	34.1	34.1	24.3	15.8
809.0	77.5°	461.4	104.7	37.7	25.0	14.6	14.0	23.1	21.3	12.2	7.3
197.2	80°	133.3	46.9	20.1	12.2	6.1	5.5	9.1	6.7	3.0	1.2
74.9	82.5°	52.3	20.7	7.9	4.9	2.4	2.4	1.2	0.0	0.0	0.0
42.6	85°	31.0	8.5	3.7	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°
1056.1
1048.8
1003.7
875.3
695.1
542.4
454.1
392.6
353.7
325.7
297.7
269.0
242.3
219.1
188.7
163.1
138.2
124.8
116.9
110.8
105.3
99.8
94.3
87.7
76.7
60.3
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