

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: P850067

Luminaire Tested: **GLAN-SB7B-927-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850067  
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-SB7B-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 450mA 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: 20226 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

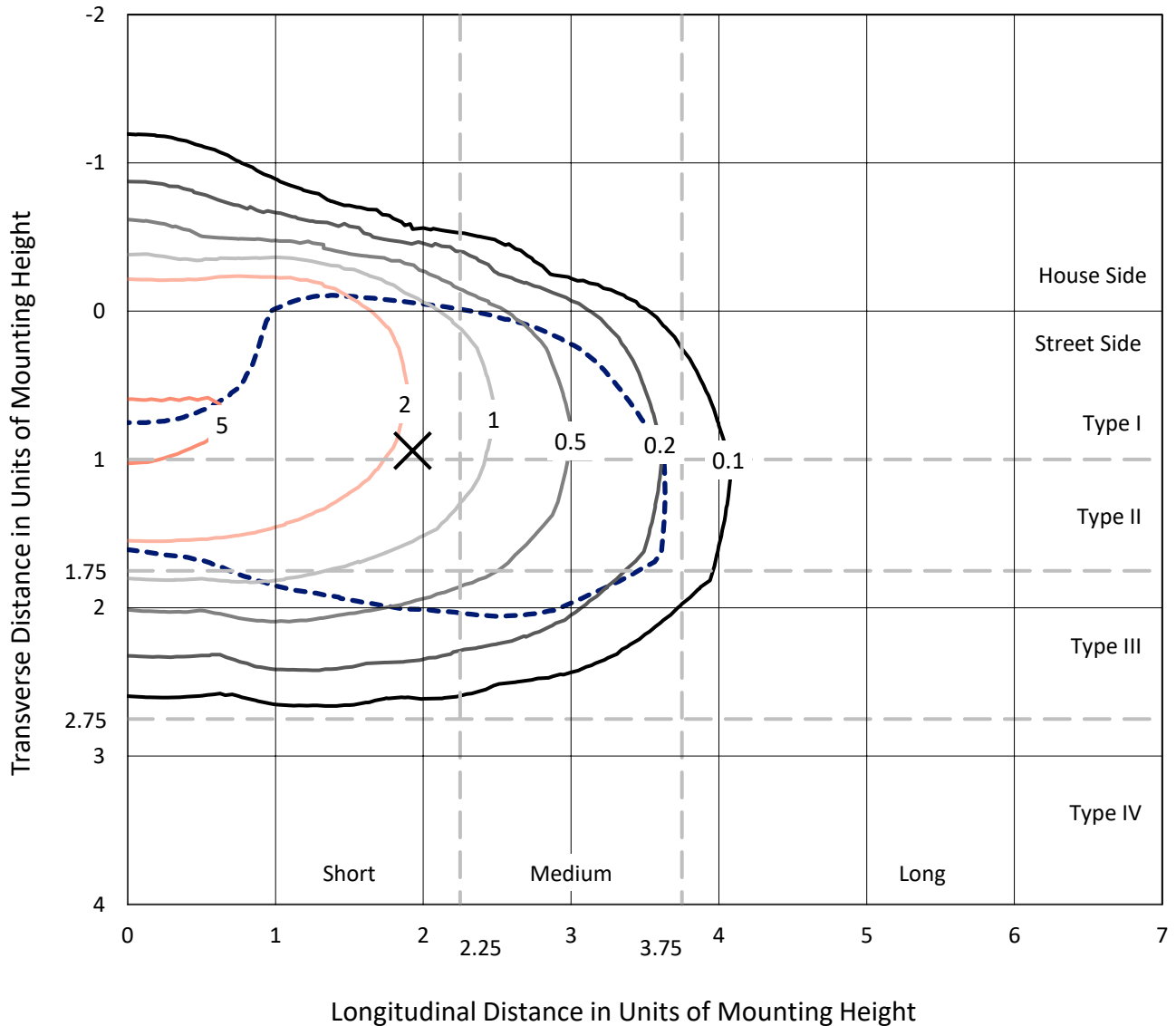
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

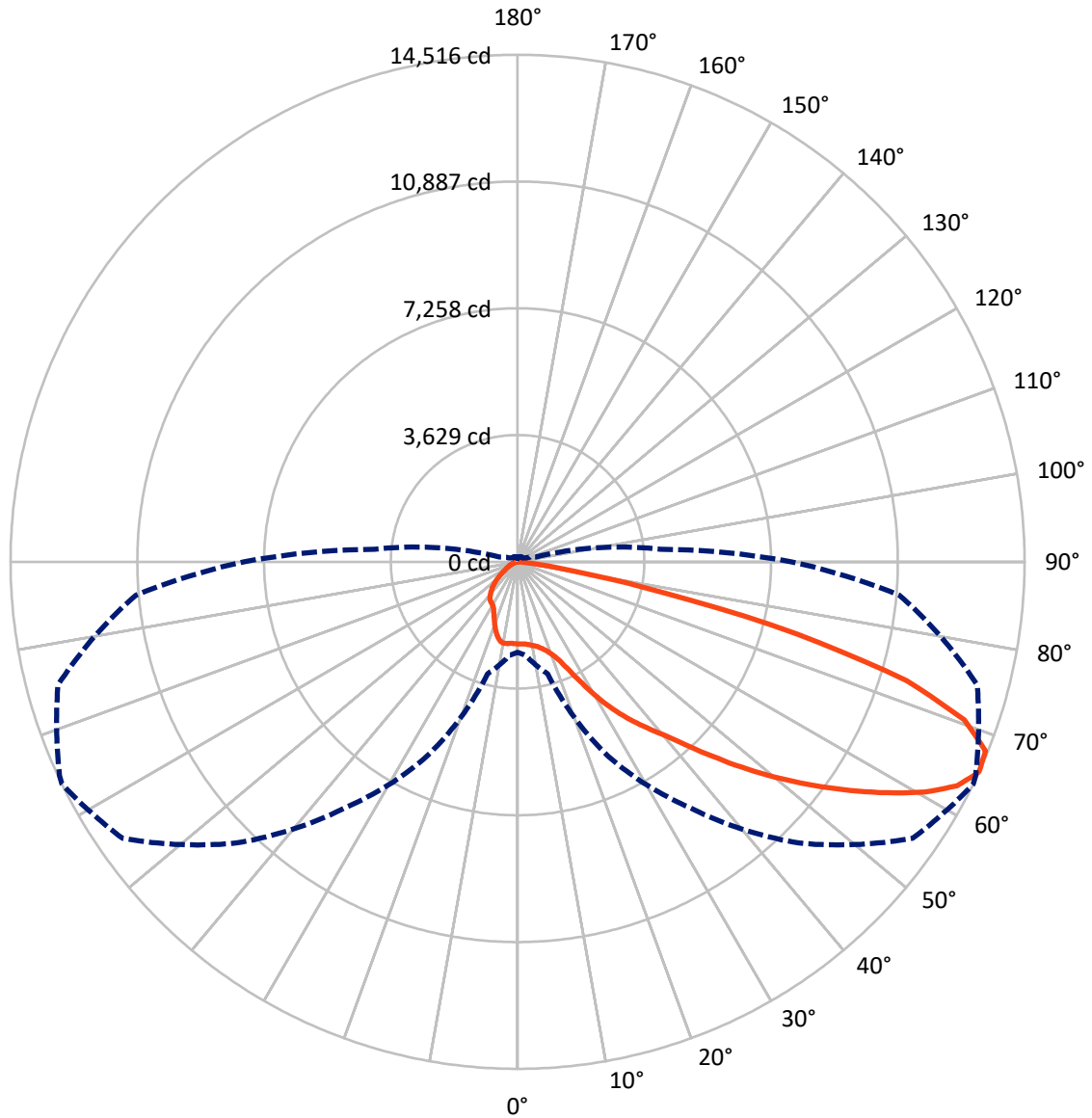
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	2704.8	0.0	2704.8
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	17521.2	0.0	17521.2
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	20226.0	0.0	20226.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.0	1.1
10°-20°	588.7	2.9
20°-30°	1115.5	5.5
30°-40°	2257.2	11.2
40°-50°	3845.2	19.0
50°-60°	5229.2	25.9
60°-70°	4910.5	24.3
70°-80°	1967.3	9.7
80°-90°	95.3	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°	20226.0	100.0
0°-180°	20226.0	100.0

**Coefficient of Utilization**



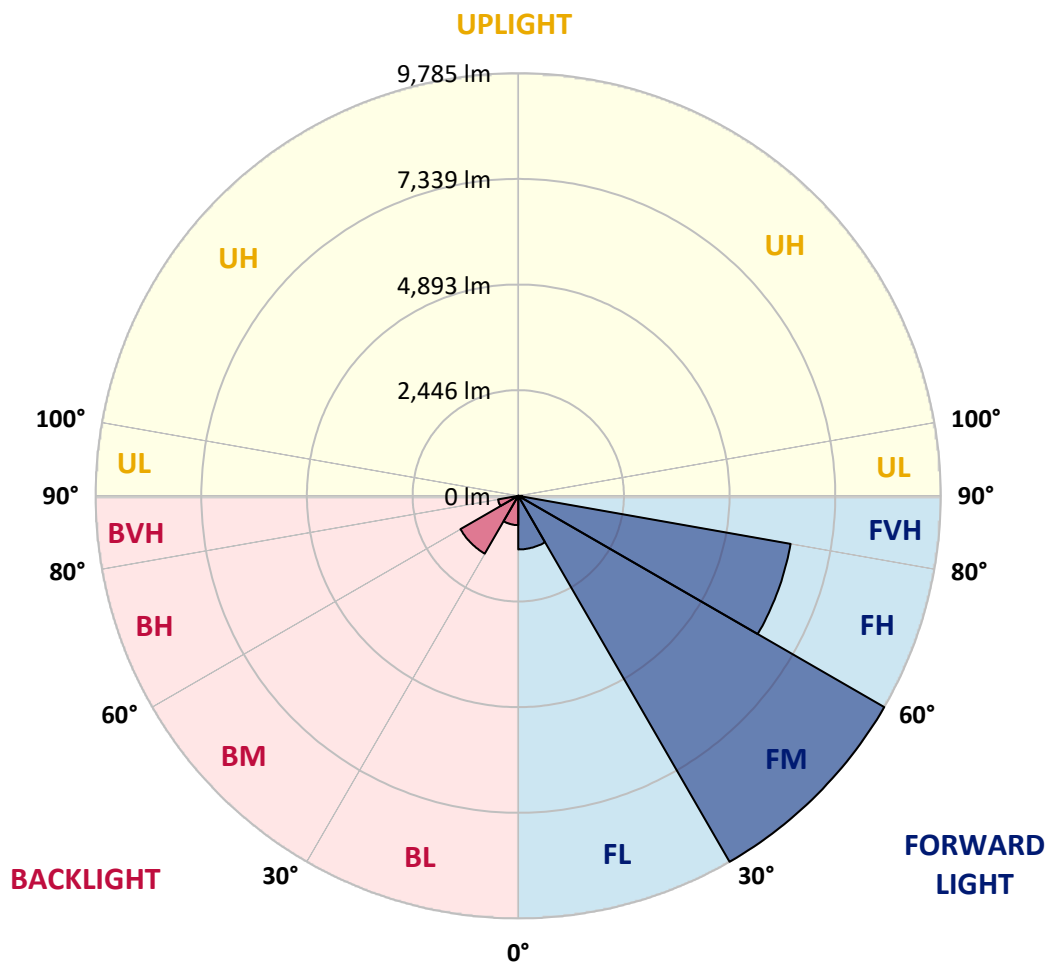
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1242.1	6.1			
FM (30°-60°)	9785.3	48.4			
FH (60°-80°)	6403.1	31.7			G3/7500
FVH (80°-90°)	90.7	0.4			G1/100
BL (0°-30°)	679.1	3.4	B2/1000		
BM (30°-60°)	1546.3	7.6	B2/2500		
BH (60°-80°)	474.7	2.3	B1/500		G1/500
BVH (80°-90°)	4.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5
2.5°	2344.4	2360.6	2356.6	2352.5	2351.1	2353.8	2355.2	2353.8	2353.8	2353.8
5°	2299.6	2313.2	2313.2	2322.7	2336.2	2352.5	2364.7	2367.4	2370.1	2374.2
7.5°	2214.2	2225.0	2233.2	2264.4	2298.3	2341.6	2378.3	2397.2	2400.0	2414.9
10°	2155.9	2169.4	2183.0	2215.5	2264.4	2329.4	2391.8	2437.9	2444.7	2479.9
12.5°	2153.2	2166.7	2184.4	2219.6	2276.6	2345.7	2421.6	2488.1	2500.3	2551.8
15°	2181.6	2197.9	2214.2	2257.6	2318.6	2402.7	2484.0	2566.7	2578.9	2652.1
17.5°	2240.0	2261.6	2273.9	2317.2	2382.3	2475.9	2583.0	2677.9	2688.8	2774.2
20°	2355.2	2381.0	2385.0	2420.3	2484.0	2584.4	2711.8	2829.8	2843.3	2941.0
22.5°	2593.8	2630.5	2597.9	2615.5	2672.5	2772.8	2911.1	3060.3	3079.3	3190.4
25°	3014.2	3065.7	2981.6	2951.8	2976.2	3080.6	3254.2	3442.6	3464.3	3553.8
27.5°	3839.9	3773.5	3646.0	3521.3	3448.1	3507.7	3703.0	3936.2	3963.3	4050.1
30°	4747.0	4688.7	4516.5	4239.9	4066.4	4056.9	4237.2	4497.5	4528.7	4611.4
32.5°	5655.5	5599.9	5412.8	5072.4	4771.4	4622.3	4747.0	5035.8	5052.1	5105.0
35°	6549.0	6492.1	6305.0	5956.5	5586.3	5247.3	5222.9	5548.4	5553.8	5609.4
37.5°	7448.0	7400.5	7201.2	6859.5	6494.8	6027.0	5800.6	6033.8	6040.6	6094.8
40°	8089.3	8109.7	7972.7	7708.3	7395.1	6883.9	6448.7	6550.4	6509.7	6600.5
42.5°	8639.8	8680.5	8561.2	8428.3	8246.6	7796.4	7251.4	7233.7	7168.7	7217.5
45°	9115.7	9149.6	9042.5	9011.3	9007.3	8691.3	8128.6	8022.9	7932.0	7922.5
47.5°	9290.7	9355.7	9401.8	9506.2	9709.6	9576.8	9035.7	8871.7	8770.0	8695.4
50°	9357.1	9426.2	9583.5	9887.3	10368.6	10425.5	9938.8	9754.4	9629.6	9494.0
52.5°	9267.6	9391.0	9602.5	10113.7	10812.0	11106.2	10805.2	10643.8	10501.5	10280.5
55°	8740.2	8863.5	9296.1	10111.0	11033.0	11583.5	11624.2	11552.3	11392.3	11043.8
57.5°	7628.3	7811.4	8496.1	9766.6	11028.9	11994.3	12426.9	12478.4	12299.4	11800.4
60°	6088.0	6336.1	7171.4	9003.2	10688.6	12216.7	13130.6	13388.2	13198.4	12546.2
62.5°	4248.0	4535.5	5326.0	7807.3	9910.3	12056.7	13644.5	14120.4	13976.7	13213.3
65°	2591.1	2683.3	3320.6	6143.6	8586.9	11386.9	13803.1	14516.3	14468.9	13621.4
67.5°	1726.1	1803.4	1986.4	4212.8	6665.6	10048.6	13423.5	14447.2	14460.7	13555.0
70°	1040.0	1106.4	1225.7	2450.1	4319.9	7953.7	12247.9	13565.8	13644.5	12666.9
72.5°	428.5	473.2	581.7	1110.5	2237.2	5048.0	9753.0	11647.2	11830.3	10650.6
75°	242.7	265.8	341.7	557.3	970.8	2352.5	5907.7	8268.3	8538.1	7340.9
77.5°	161.4	172.2	221.0	360.7	546.4	802.7	2524.7	4307.7	4823.0	4009.4
80°	108.5	118.0	151.9	241.4	355.2	344.4	804.1	1595.9	1963.3	1377.6
82.5°	73.2	74.6	108.5	158.6	225.1	166.8	237.3	496.3	623.7	398.6
85°	42.0	40.7	80.0	92.2	100.3	69.2	71.9	149.1	195.3	168.1
87.5°	5.4	8.1	31.2	24.4	13.6	14.9	14.9	25.8	38.0	40.7
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°
2352.5	0°	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5
2355.2	2.5°	2355.2	2353.8	2349.8	2345.7	2336.2	2330.8	2333.5	2330.8	2329.4	2330.8
2372.8	5°	2372.8	2368.8	2357.9	2344.4	2325.4	2302.3	2287.4	2265.7	2245.4	2233.2
2420.3	7.5°	2420.3	2416.2	2401.3	2363.3	2302.3	2206.1	2117.9	2040.6	1982.3	1948.4
2496.2	10°	2496.2	2489.4	2466.4	2382.3	2222.3	2012.2	1837.3	1692.2	1597.3	1552.5
2585.7	12.5°	2585.7	2577.6	2536.9	2364.7	2070.5	1742.3	1501.0	1339.6	1251.5	1212.2
2688.8	15°	2691.5	2680.6	2600.6	2280.6	1849.5	1444.0	1223.0	1102.4	1045.4	1010.1
2820.3	17.5°	2823.0	2804.0	2648.1	2154.5	1609.5	1216.2	1052.2	961.3	911.2	877.3
2992.5	20°	2993.8	2962.7	2686.0	2004.0	1388.4	1072.5	936.9	861.0	823.0	793.2
3236.5	22.5°	3232.5	3187.7	2732.1	1841.3	1232.5	973.5	851.5	795.9	764.7	730.8
3576.9	25°	3528.1	3475.2	2789.1	1690.8	1125.4	888.1	789.1	743.0	706.4	667.1
4023.0	27.5°	3941.6	3846.7	2856.9	1567.4	1033.2	814.9	732.2	680.7	638.6	606.1
4528.7	30°	4402.6	4246.7	2916.5	1492.9	949.1	747.1	657.6	606.1	566.8	543.7
4982.9	32.5°	4839.2	4627.7	2955.9	1460.3	873.2	669.8	576.3	520.7	490.8	484.1
5427.7	35°	5251.4	4972.1	2951.8	1429.1	805.4	592.5	496.3	439.3	416.3	420.3
5906.3	37.5°	5726.0	5339.6	2923.3	1380.3	749.8	522.0	427.1	376.9	356.6	358.0
6488.0	40°	6277.8	5763.9	2905.7	1288.1	688.8	456.9	370.2	329.5	314.6	309.1
7100.9	42.5°	6866.3	6174.8	2908.4	1183.7	612.9	398.6	330.8	296.9	283.4	279.3
7782.9	45°	7457.5	6566.6	2912.5	1075.2	532.9	353.9	302.4	273.9	265.8	260.3
8474.4	47.5°	8013.4	6900.2	2836.6	958.6	454.2	320.0	279.3	260.3	253.6	246.8
9168.6	50°	8531.3	7122.6	2653.5	823.0	391.9	292.9	261.7	248.1	241.4	234.6
9797.8	52.5°	8934.1	7157.8	2351.1	683.4	348.5	272.5	250.8	238.6	230.5	223.7
10306.2	55°	9113.0	6936.8	1921.3	553.2	314.6	254.9	240.0	227.8	218.3	211.5
10706.2	57.5°	9066.9	6471.7	1498.3	444.7	282.0	237.3	226.4	218.3	207.5	196.6
11030.3	60°	8840.5	5849.4	1129.5	370.2	252.2	218.3	211.5	204.7	189.8	173.6
11155.0	62.5°	8448.6	5067.0	805.4	306.4	219.7	196.6	193.9	188.5	166.8	136.9
10970.6	65°	7849.3	4116.5	542.4	254.9	188.5	172.2	173.6	164.1	135.6	101.7
10295.4	67.5°	6973.4	3010.1	347.1	208.8	157.3	143.7	145.1	139.7	115.3	86.8
9015.4	70°	5857.5	1993.2	226.4	158.6	126.1	111.2	119.3	120.7	97.6	70.5
6919.2	72.5°	4294.1	1176.9	158.6	118.0	92.2	77.3	97.6	100.3	78.6	52.9
4162.6	75°	2447.4	558.6	119.3	85.4	56.9	54.2	75.9	75.9	54.2	35.3
1802.0	77.5°	1027.8	233.2	84.1	55.6	32.5	31.2	51.5	47.5	27.1	16.3
439.3	80°	296.9	104.4	44.7	27.1	13.6	12.2	20.3	14.9	6.8	2.7
166.8	82.5°	116.6	46.1	17.6	10.8	5.4	5.4	2.7	0.0	0.0	0.0
94.9	85°	69.2	19.0	8.1	4.1	1.4	0.0	0.0	0.0	0.0	0.0
20.3	87.5°	17.6	4.1	2.7	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°
2352.5
2336.2
2235.9
1949.8
1548.4
1208.1
1011.5
874.6
787.8
725.4
663.0
599.3
539.6
488.1
420.3
363.4
307.8
278.0
260.3
246.8
234.6
222.4
210.2
195.3
170.8
134.2
99.0
82.7
67.8
50.2
32.5
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