

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: P850037

Luminaire Tested: **GLAN-SB7B-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850037
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-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 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: 26004 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

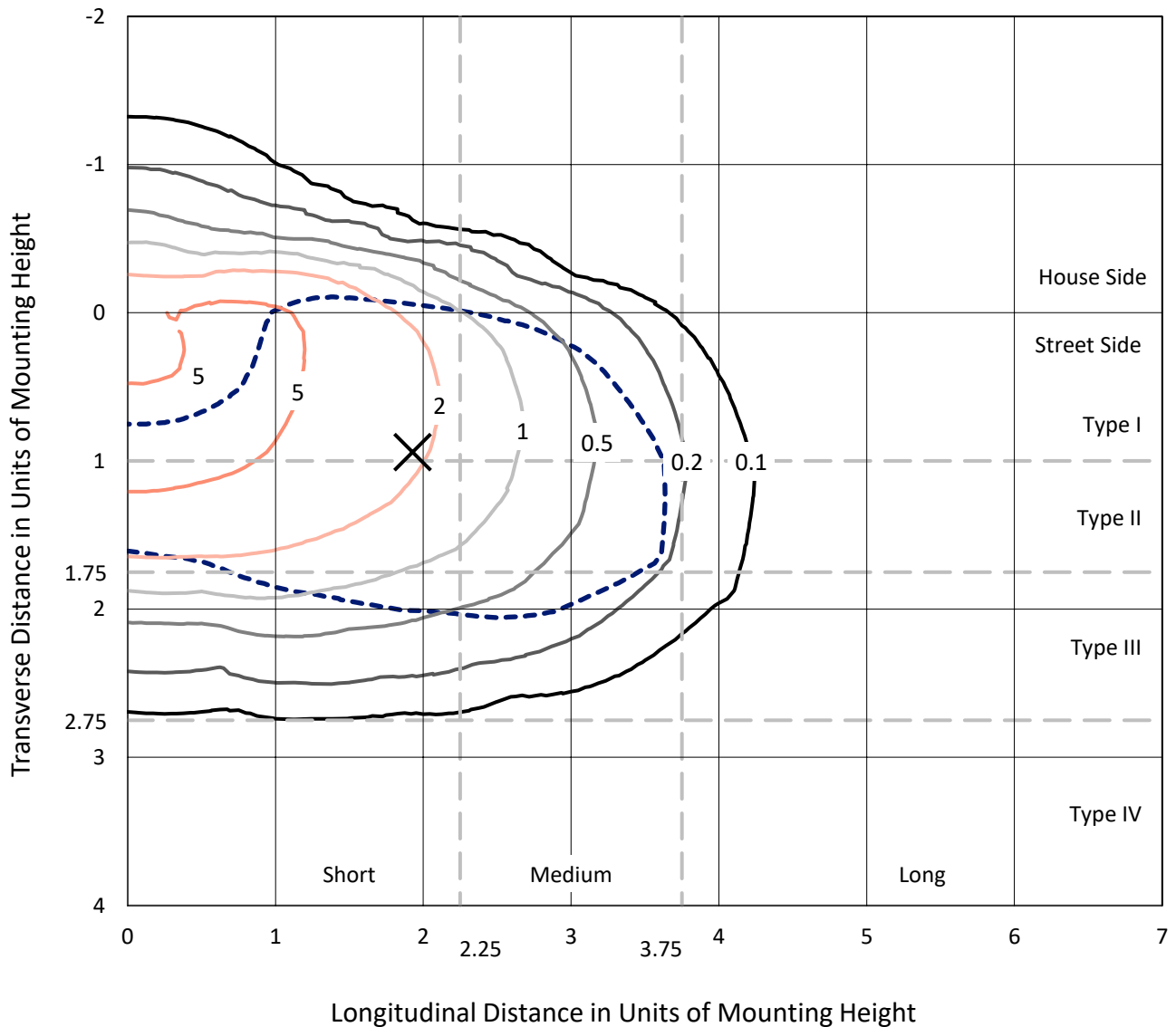
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

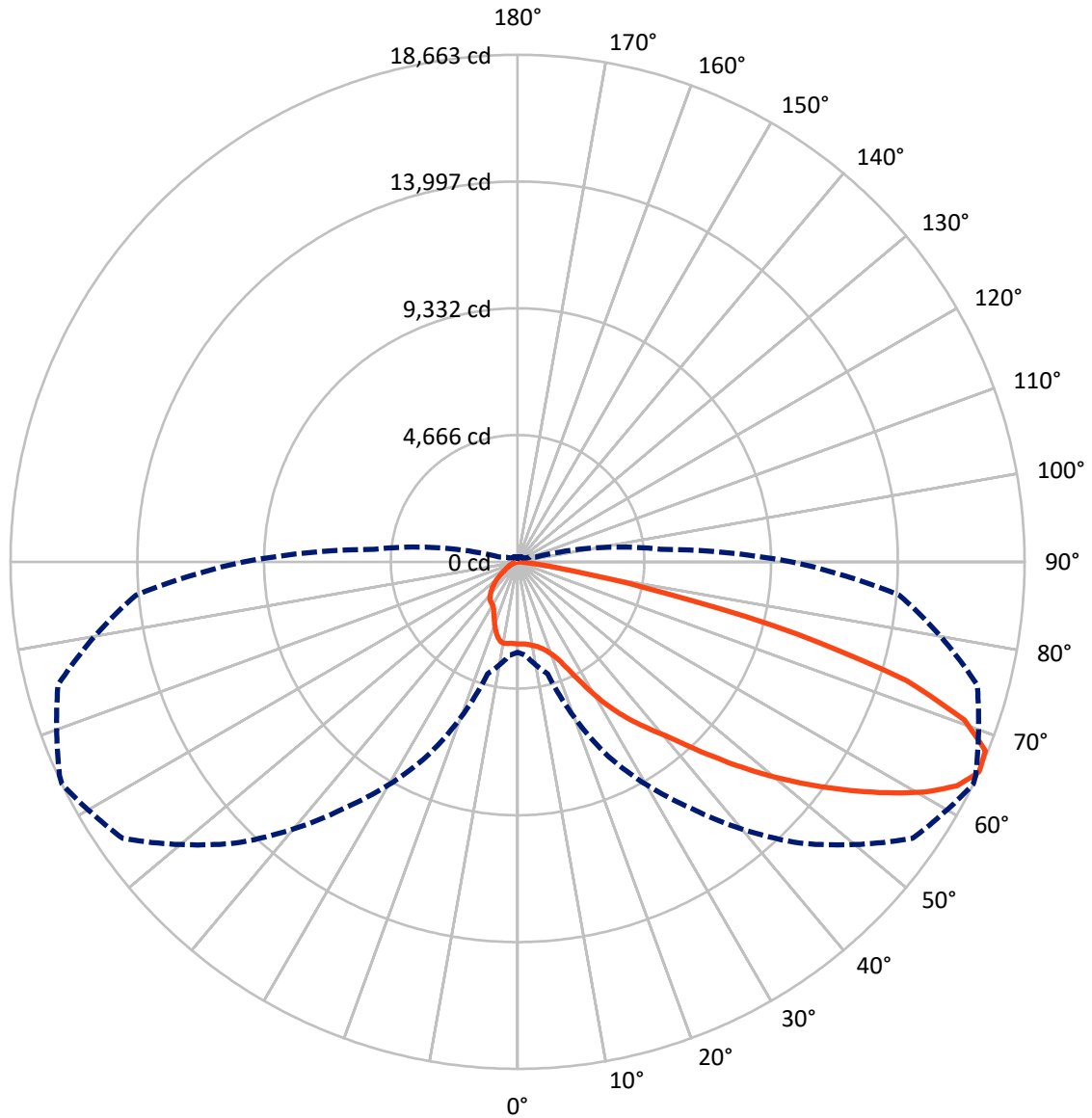
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	3477.5	0.0	3477.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	22526.5	0.0	22526.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	26004.0	0.0	26004.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.0	1.1
10°-20°	756.8	2.9
20°-30°	1434.2	5.5
30°-40°	2902.1	11.2
40°-50°	4943.7	19.0
50°-60°	6723.0	25.9
60°-70°	6313.3	24.3
70°-80°	2529.4	9.7
80°-90°	122.5	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°	26004.0	100.0
0°-180°	26004.0	100.0

Coefficient of Utilization

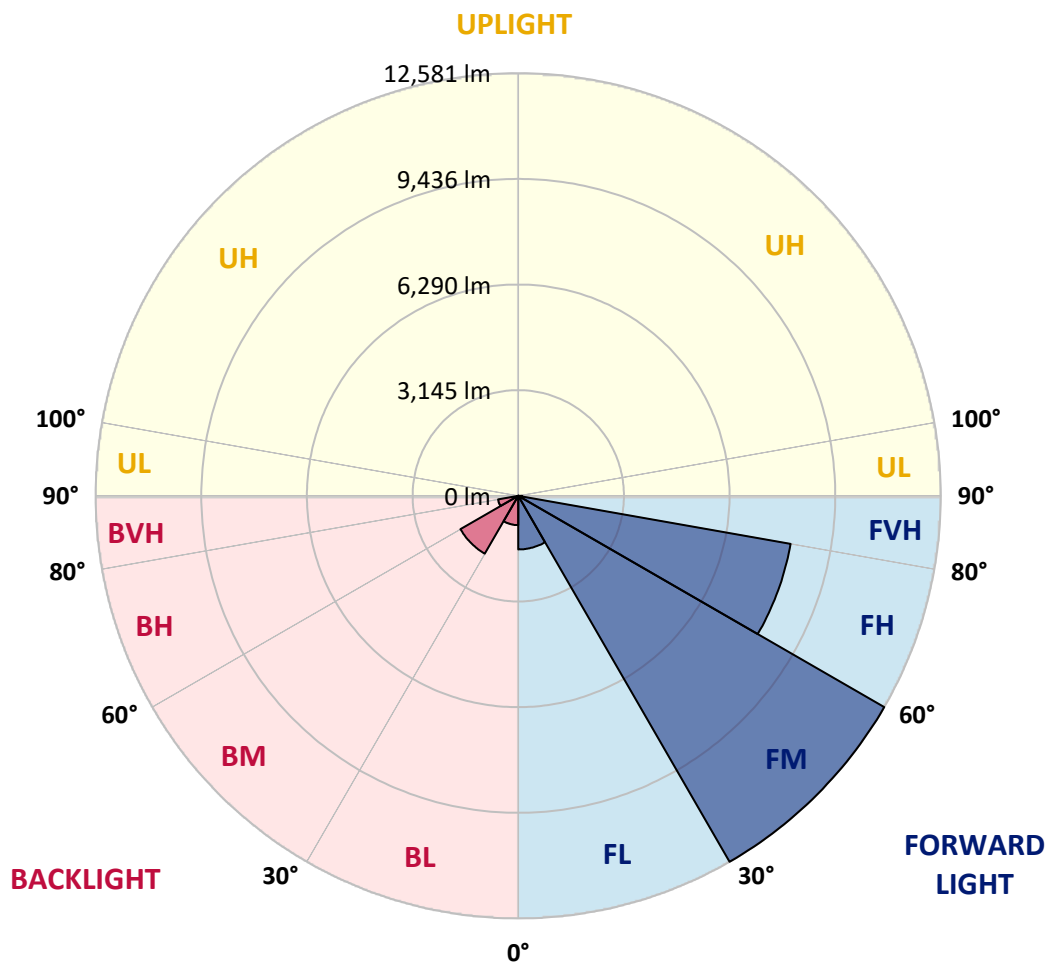


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1596.9	6.1			
FM (30°-60°)	12580.7	48.4			
FH (60°-80°)	8232.3	31.7			G4/12000
FVH (80°-90°)	116.6	0.4			G2/225
BL (0°-30°)	873.1	3.4	B2/1000		
BM (30°-60°)	1988.1	7.6	B2/2500		
BH (60°-80°)	610.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.0	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-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3024.5	3024.5	3024.5	3024.5	3024.5	3024.5	3024.5	3024.5	3024.5	3024.5
2.5°	3014.1	3035.0	3029.8	3024.5	3022.8	3026.3	3028.0	3026.3	3026.3	3026.3
5°	2956.5	2974.0	2974.0	2986.2	3003.6	3024.5	3040.2	3043.7	3047.2	3052.4
7.5°	2846.7	2860.7	2871.1	2911.2	2954.8	3010.6	3057.7	3082.1	3085.5	3104.7
10°	2771.8	2789.2	2806.6	2848.5	2911.2	2994.9	3075.1	3134.4	3143.1	3188.4
12.5°	2768.3	2785.7	2808.4	2853.7	2926.9	3015.8	3113.4	3198.9	3214.5	3280.8
15°	2804.9	2825.8	2846.7	2902.5	2981.0	3089.0	3193.6	3300.0	3315.7	3409.8
17.5°	2879.8	2907.7	2923.4	2979.2	3062.9	3183.2	3320.9	3442.9	3456.9	3566.7
20°	3028.0	3061.1	3066.4	3111.7	3193.6	3322.6	3486.5	3638.2	3655.6	3781.1
22.5°	3334.8	3381.9	3340.1	3362.7	3435.9	3564.9	3742.8	3934.5	3958.9	4101.9
25°	3875.2	3941.5	3833.4	3795.1	3826.4	3960.7	4183.8	4426.1	4454.0	4569.1
27.5°	4936.9	4851.5	4687.6	4527.2	4433.1	4509.8	4760.8	5060.6	5095.5	5207.1
30°	6103.1	6028.2	5806.8	5451.1	5228.0	5215.8	5447.6	5782.4	5822.4	5928.8
32.5°	7271.1	7199.6	6959.0	6521.5	6134.5	5942.7	6103.1	6474.4	6495.3	6563.3
35°	8419.9	8346.7	8106.1	7658.1	7182.2	6746.4	6715.0	7133.4	7140.3	7211.8
37.5°	9575.7	9514.6	9258.4	8819.1	8350.2	7748.7	7457.6	7757.5	7766.2	7835.9
40°	10400.2	10426.4	10250.3	9910.4	9507.7	8850.5	8290.9	8421.6	8369.3	8486.1
42.5°	11108.0	11160.3	11006.9	10836.0	10602.4	10023.7	9322.9	9300.2	9216.6	9279.3
45°	11719.9	11763.4	11625.7	11585.6	11580.4	11174.2	10450.8	10314.8	10198.0	10185.8
47.5°	11944.7	12028.4	12087.7	12221.9	12483.4	12312.6	11617.0	11406.1	11275.3	11179.4
50°	12030.2	12119.1	12321.3	12711.8	13330.6	13403.8	12778.0	12540.9	12380.5	12206.2
52.5°	11915.1	12073.7	12345.7	13002.9	13900.7	14278.9	13891.9	13684.5	13501.5	13217.3
55°	11237.0	11395.6	11951.7	12999.4	14184.8	14892.6	14944.9	14852.5	14646.8	14198.8
57.5°	9807.5	10042.9	10923.2	12556.6	14179.6	15420.8	15976.9	16043.1	15813.0	15171.5
60°	7827.2	8146.2	9220.0	11575.2	13742.0	15706.7	16881.6	17212.8	16968.8	16130.3
62.5°	5461.6	5831.2	6847.5	10037.6	12741.4	15501.0	17542.3	18154.2	17969.4	16988.0
65°	3331.3	3449.9	4269.2	7898.7	11040.0	14639.8	17746.3	18663.2	18602.2	17512.7
67.5°	2219.2	2318.5	2553.9	5416.3	8569.8	12919.2	17258.2	18574.3	18591.7	17427.2
70°	1337.1	1422.5	1575.9	3150.0	5554.0	10225.9	15746.8	17441.2	17542.3	16285.4
72.5°	550.9	608.4	747.9	1427.7	2876.4	6490.1	12539.2	14974.5	15209.8	13693.2
75°	312.0	341.7	439.3	716.5	1248.2	3024.5	7595.3	10630.3	10977.2	9437.9
77.5°	207.4	221.4	284.1	463.7	702.5	1032.0	3245.9	5538.3	6200.7	5154.8
80°	139.5	151.7	195.2	310.3	456.7	442.8	1033.7	2051.8	2524.2	1771.1
82.5°	94.1	95.9	139.5	204.0	289.4	214.4	305.1	638.0	801.9	512.5
85°	54.0	52.3	102.9	118.5	129.0	88.9	92.4	191.8	251.0	216.2
87.5°	7.0	10.5	40.1	31.4	17.4	19.2	19.2	33.1	48.8	52.3
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°
3024.5	0°	3024.5	3024.5	3024.5	3024.5	3024.5	3024.5	3024.5	3024.5	3024.5	3024.5
3028.0	2.5°	3028.0	3026.3	3021.0	3015.8	3003.6	2996.6	3000.1	2996.6	2994.9	2996.6
3050.7	5°	3050.7	3045.5	3031.5	3014.1	2989.7	2960.0	2940.9	2913.0	2886.8	2871.1
3111.7	7.5°	3111.7	3106.5	3087.3	3038.5	2960.0	2836.3	2723.0	2623.6	2548.6	2505.0
3209.3	10°	3209.3	3200.6	3171.0	3062.9	2857.2	2587.0	2362.1	2175.6	2053.5	1996.0
3324.4	12.5°	3324.4	3313.9	3261.6	3040.2	2661.9	2240.1	1929.8	1722.3	1609.0	1558.5
3456.9	15°	3460.3	3446.4	3343.5	2932.1	2377.8	1856.6	1572.4	1417.3	1344.0	1298.7
3626.0	17.5°	3629.4	3605.0	3404.6	2770.0	2069.2	1563.7	1352.8	1236.0	1171.5	1127.9
3847.3	20°	3849.1	3809.0	3453.4	2576.5	1785.1	1378.9	1204.6	1107.0	1058.2	1019.8
4161.1	22.5°	4155.9	4098.4	3512.6	2367.3	1584.6	1251.7	1094.8	1023.3	983.2	939.6
4598.7	25°	4535.9	4467.9	3585.9	2173.8	1446.9	1141.8	1014.6	955.3	908.2	857.7
5172.2	27.5°	5067.6	4945.6	3673.0	2015.2	1328.4	1047.7	941.4	875.1	821.1	779.2
5822.4	30°	5660.3	5459.9	3749.7	1919.3	1220.3	960.5	845.5	779.2	728.7	699.0
6406.4	32.5°	6221.7	5949.7	3800.3	1877.5	1122.7	861.2	740.9	669.4	631.1	622.3
6978.2	35°	6751.6	6392.5	3795.1	1837.4	1035.5	761.8	638.0	564.8	535.2	540.4
7593.6	37.5°	7361.7	6864.9	3758.4	1774.6	964.0	671.2	549.1	484.6	458.5	460.2
8341.4	40°	8071.2	7410.5	3735.8	1656.1	885.6	587.5	475.9	423.6	404.4	397.5
9129.4	42.5°	8827.8	7938.8	3739.3	1521.9	787.9	512.5	425.4	381.8	364.3	359.1
10006.2	45°	9587.9	8442.5	3744.5	1382.4	685.1	455.0	388.7	352.1	341.7	334.7
10895.3	47.5°	10302.6	8871.4	3646.9	1232.5	584.0	411.4	359.1	334.7	326.0	317.3
11787.8	50°	10968.5	9157.3	3411.5	1058.2	503.8	376.5	336.4	319.0	310.3	301.6
12596.7	52.5°	11486.3	9202.6	3022.8	878.6	448.0	350.4	322.5	306.8	296.4	287.6
13250.4	55°	11716.4	8918.5	2470.2	711.2	404.4	327.7	308.6	292.9	280.7	271.9
13764.7	57.5°	11657.1	8320.5	1926.3	571.8	362.6	305.1	291.1	280.7	266.7	252.8
14181.3	60°	11366.0	7520.4	1452.1	475.9	324.2	280.7	271.9	263.2	244.1	223.1
14341.7	62.5°	10862.2	6514.5	1035.5	394.0	282.4	252.8	249.3	242.3	214.4	176.1
14104.6	65°	10091.7	5292.5	697.3	327.7	242.3	221.4	223.1	210.9	174.3	130.7
13236.5	67.5°	8965.5	3870.0	446.3	268.5	202.2	184.8	186.5	179.6	148.2	111.6
11590.9	70°	7530.8	2562.6	291.1	204.0	162.1	142.9	153.4	155.1	125.5	90.6
8895.8	72.5°	5520.9	1513.1	204.0	151.7	118.5	99.4	125.5	129.0	101.1	68.0
5351.8	75°	3146.6	718.2	153.4	109.8	73.2	69.7	97.6	97.6	69.7	45.3
2316.8	77.5°	1321.4	299.8	108.1	71.5	41.8	40.1	66.2	61.0	34.9	20.9
564.8	80°	381.8	134.2	57.5	34.9	17.4	15.7	26.1	19.2	8.7	3.5
214.4	82.5°	149.9	59.3	22.7	13.9	7.0	7.0	3.5	0.0	0.0	0.0
122.0	85°	88.9	24.4	10.5	5.2	1.7	0.0	0.0	0.0	0.0	0.0
26.1	87.5°	22.7	5.2	3.5	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°
3024.5
3003.6
2874.6
2506.8
1990.8
1553.2
1300.5
1124.4
1012.8
932.6
852.4
770.5
693.8
627.6
540.4
467.2
395.7
357.4
334.7
317.3
301.6
285.9
270.2
251.0
219.6
172.6
127.3
106.3
87.2
64.5
41.8
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