

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: P849385

Luminaire Tested: **GLAN-SB6B-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16058 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

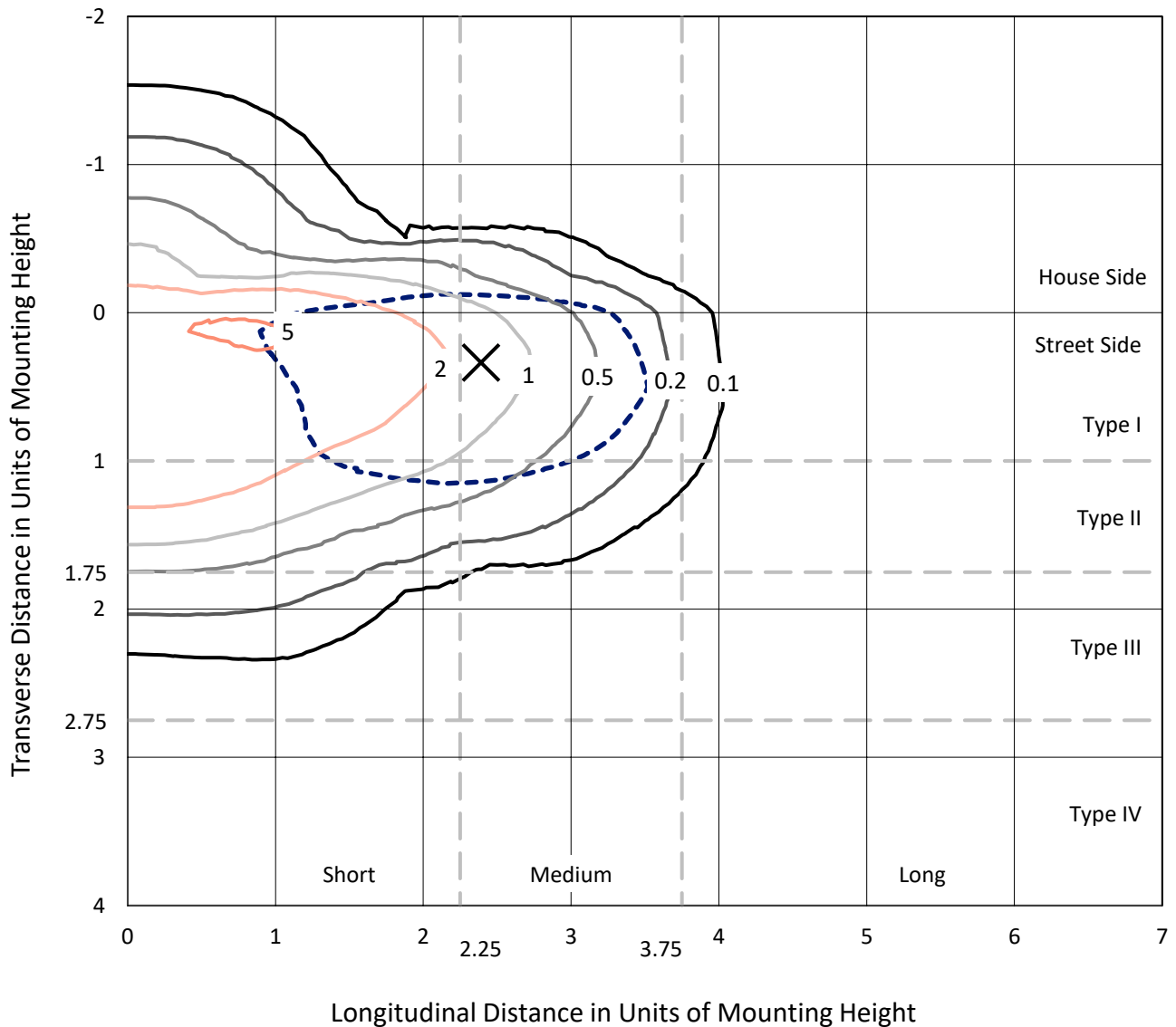
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

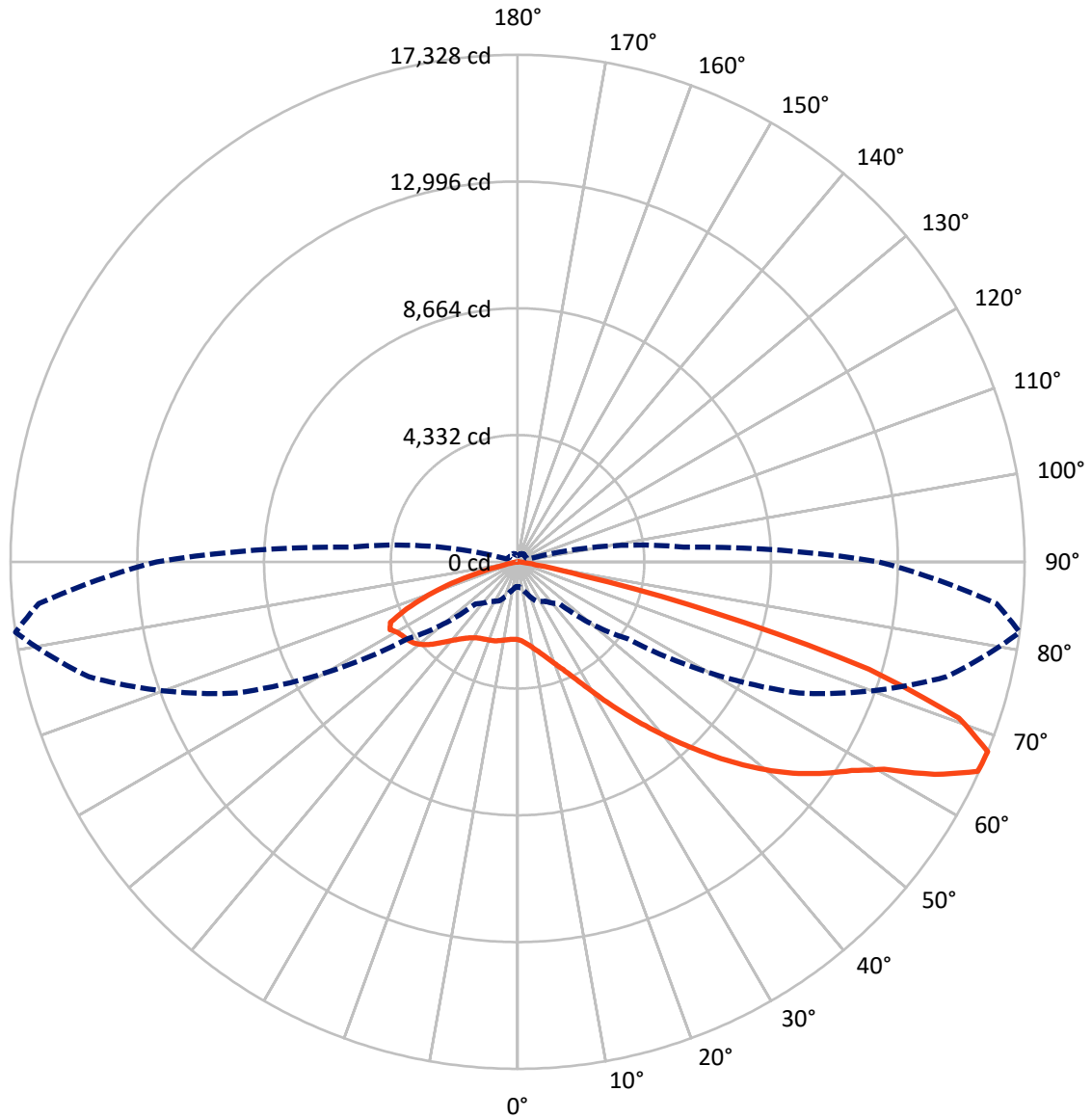
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2908.8	0.0	2908.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13149.2	0.0	13149.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	16058.0	0.0	16058.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.0	1.5
10°-20°	615.9	3.8
20°-30°	986.5	6.1
30°-40°	1744.4	10.9
40°-50°	3056.3	19.0
50°-60°	4076.3	25.4
60°-70°	3794.8	23.6
70°-80°	1456.4	9.1
80°-90°	90.5	0.6
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°	16058.0	100.0
0°-180°	16058.0	100.0

Coefficient of Utilization

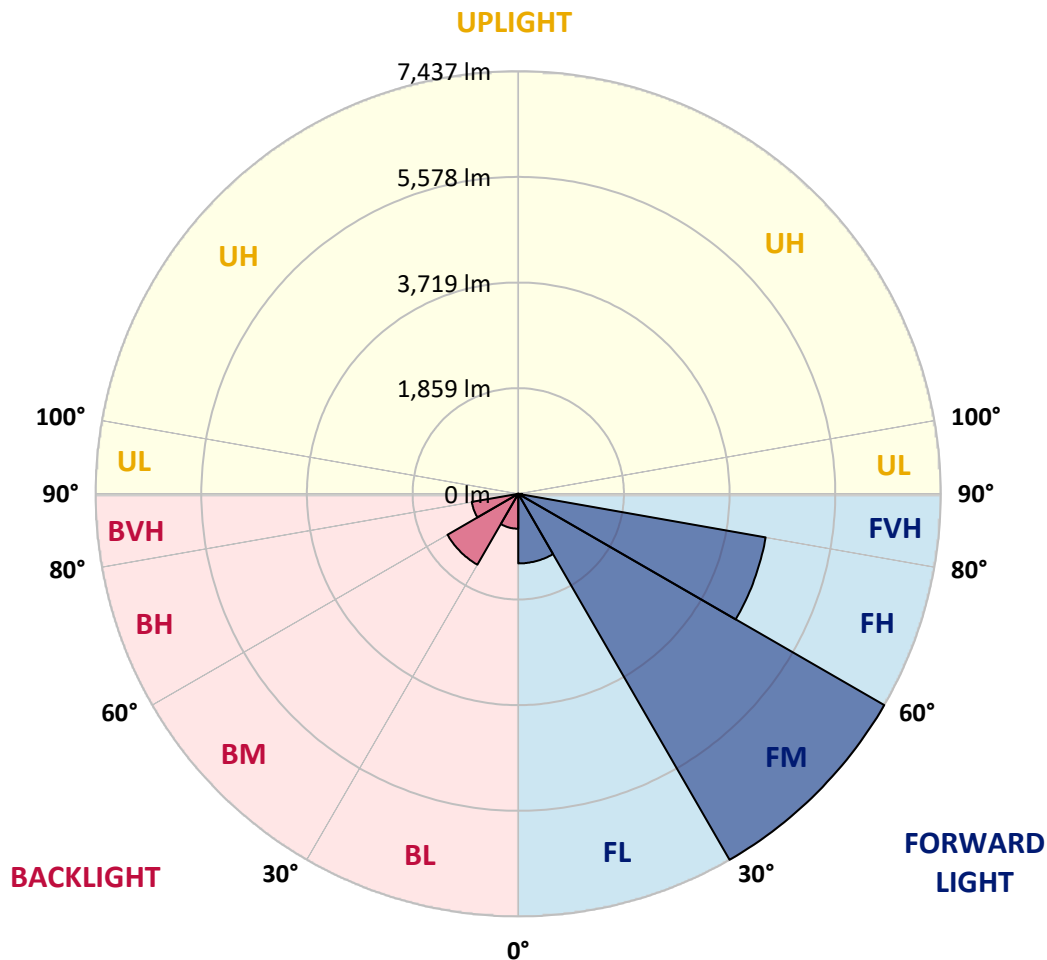


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1225.0	7.6			
FM (30°-60°)	7437.4	46.3			
FH (60°-80°)	4421.0	27.5			G2/5000
FVH (80°-90°)	65.8	0.4			G1/100
BL (0°-30°)	614.3	3.8	B2/1000		
BM (30°-60°)	1439.5	9.0	B2/2500		
BH (60°-80°)	830.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	24.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3
2.5°	2811.7	2827.9	2818.7	2814.0	2805.9	2794.4	2785.1	2756.2	2726.2	2706.5
5°	2868.4	2884.6	2883.4	2888.0	2893.8	2897.3	2895.0	2862.6	2819.8	2786.3
7.5°	2819.8	2838.3	2853.3	2876.5	2916.9	2959.7	2980.5	2973.6	2929.6	2883.4
10°	2682.2	2701.9	2737.7	2792.1	2877.6	2970.1	3047.6	3083.4	3055.7	3004.8
12.5°	2430.2	2449.9	2520.4	2638.3	2781.7	2942.4	3090.3	3186.3	3193.2	3142.4
15°	2146.9	2166.6	2241.7	2389.7	2608.2	2866.1	3113.5	3295.0	3356.3	3312.3
17.5°	1971.2	1988.6	2045.2	2164.3	2392.0	2713.4	3105.4	3410.6	3550.5	3515.8
20°	1918.0	1933.1	1959.6	2042.9	2232.5	2555.1	3052.2	3519.3	3759.8	3740.1
22.5°	1974.7	1988.6	1996.6	2033.6	2152.7	2451.0	2985.1	3630.3	4002.5	4004.9
25°	2105.3	2119.2	2109.9	2133.1	2185.1	2418.6	2959.7	3760.9	4307.8	4333.2
27.5°	2320.4	2321.5	2299.6	2298.4	2306.5	2467.2	2986.3	3900.8	4692.8	4740.2
30°	2751.6	2734.3	2649.9	2558.5	2516.9	2612.9	3060.3	4066.1	5147.1	5231.5
32.5°	3416.4	3390.9	3236.0	3017.5	2797.8	2847.6	3193.2	4254.6	5641.9	5794.5
35°	4137.8	4130.9	3969.0	3644.1	3260.3	3181.7	3409.4	4502.0	6181.9	6424.6
37.5°	4808.4	4804.9	4712.4	4329.7	3862.6	3647.6	3756.3	4825.7	6759.9	7111.4
40°	5421.1	5431.5	5339.0	4996.8	4526.3	4245.3	4228.0	5225.7	7402.7	7859.4
42.5°	5950.6	5962.2	5868.5	5615.3	5181.8	4906.6	4807.2	5715.9	8030.5	8662.9
45°	6310.2	6381.9	6368.0	6165.7	5854.7	5569.1	5503.2	6331.0	8746.2	9515.0
47.5°	6411.9	6477.8	6581.9	6609.6	6420.0	6139.1	6217.7	7072.1	9469.9	10368.2
50°	6161.0	6222.3	6438.5	6726.4	6858.2	6771.5	6912.5	7866.3	10211.0	11219.1
52.5°	5666.2	5728.7	6001.5	6457.0	6994.6	7267.5	7609.7	8649.0	10928.9	12025.0
55°	4950.6	5016.5	5366.8	5882.4	6734.5	7472.1	8191.2	9430.6	11586.8	12749.9
57.5°	3977.1	4025.7	4389.8	5111.3	6080.1	7268.6	8620.1	10283.8	12206.5	13462.0
60°	2592.1	2634.8	3058.0	3862.6	4995.7	6588.8	8705.7	11235.3	13029.6	14388.1
62.5°	1723.8	1752.7	2003.6	2594.4	3518.1	5283.5	8205.1	11994.9	14236.6	15999.8
65°	1182.7	1211.6	1462.5	1874.1	2273.0	3495.0	6765.7	11894.3	15330.4	17279.6
67.5°	844.0	868.3	1081.0	1469.4	1645.2	2030.2	4586.4	10608.7	15173.1	17328.2
70°	604.7	618.5	794.3	1144.6	1307.6	1219.7	2550.4	8113.8	13285.1	16000.9
72.5°	423.1	427.8	551.5	871.7	1053.2	890.2	1213.9	5409.6	10048.0	12559.1
75°	286.7	292.5	371.1	639.3	845.1	679.8	642.8	2900.7	5898.6	6951.8
77.5°	175.7	178.0	239.3	437.0	632.4	517.9	413.9	1229.0	2282.2	2240.6
80°	99.4	99.4	152.6	271.7	431.2	334.1	290.2	522.6	722.6	634.7
82.5°	55.5	56.7	111.0	168.8	285.6	197.7	159.5	241.6	312.2	276.3
85°	23.1	25.4	68.2	79.8	136.4	98.3	64.7	101.7	115.6	102.9
87.5°	2.3	3.5	20.8	15.0	16.2	19.7	9.2	19.7	16.2	16.2
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°
2660.3	0°	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3
2699.6	2.5°	2677.6	2660.3	2616.3	2565.5	2498.4	2466.0	2422.1	2392.0	2366.6	2368.9
2766.6	5°	2729.6	2685.7	2587.4	2464.9	2312.3	2203.6	2088.0	2008.2	1943.5	1929.6
2859.1	7.5°	2801.3	2731.9	2559.7	2338.9	2081.0	1885.7	1711.1	1598.9	1519.2	1493.7
2971.3	10°	2893.8	2793.2	2523.8	2180.5	1809.4	1560.8	1373.5	1285.6	1231.3	1212.8
3103.1	12.5°	3001.3	2863.7	2476.4	1987.4	1529.6	1290.2	1171.2	1127.2	1109.9	1104.1
3264.9	15°	3136.6	2951.6	2404.8	1758.5	1292.6	1124.9	1074.0	1068.3	1070.6	1068.3
3459.2	17.5°	3297.3	3047.6	2288.0	1522.6	1133.0	1040.5	1022.0	1026.6	1032.4	1031.3
3676.5	20°	3473.0	3142.4	2138.9	1313.4	1024.3	980.4	970.0	974.6	979.2	976.9
3927.4	22.5°	3673.0	3244.1	1973.5	1150.4	951.5	924.9	913.3	914.5	914.5	909.9
4245.3	25°	3912.4	3356.3	1800.1	1034.7	896.0	875.2	861.3	856.7	849.8	835.9
4631.5	27.5°	4197.9	3475.3	1633.6	953.8	852.1	832.4	816.2	804.7	787.3	764.2
5095.1	30°	4519.3	3619.9	1492.6	902.9	817.4	797.7	779.2	761.9	736.5	707.6
5628.1	32.5°	4897.4	3774.8	1389.7	869.4	786.2	765.4	743.4	722.6	694.8	665.9
6226.9	35°	5348.3	3962.1	1329.6	846.3	761.9	734.1	709.9	686.7	665.9	640.5
6877.8	37.5°	5837.3	4160.9	1311.1	834.7	745.7	702.9	675.2	659.0	656.7	641.7
7581.9	40°	6372.6	4396.8	1324.9	827.8	728.4	672.9	642.8	639.3	645.1	618.5
8334.6	42.5°	6939.1	4676.6	1348.1	819.7	704.1	642.8	613.9	613.9	609.3	572.3
9130.0	45°	7551.9	4999.1	1371.2	800.0	675.2	612.8	590.8	582.7	563.0	527.2
9930.0	47.5°	8169.3	5327.5	1388.5	764.2	640.5	587.3	567.7	549.2	520.3	487.9
10715.1	50°	8755.4	5622.3	1370.0	711.0	601.2	563.0	542.2	516.8	485.6	463.6
11458.5	52.5°	9279.1	5877.8	1291.4	648.6	559.6	537.6	519.1	492.5	467.1	444.0
12129.0	55°	9734.7	6084.7	1152.7	589.6	522.6	515.6	497.1	463.6	428.9	409.3
12793.8	57.5°	10171.7	6242.0	979.2	541.1	489.0	491.4	463.6	433.6	401.2	380.4
13689.8	60°	10753.2	6452.4	803.5	496.0	453.2	460.1	430.1	408.1	367.7	341.1
15226.3	62.5°	11682.7	6779.6	638.2	440.5	411.6	413.9	401.2	374.6	326.0	294.8
16365.1	65°	12420.4	6659.3	502.9	380.4	364.2	367.7	367.7	338.7	286.7	250.9
16426.4	67.5°	12337.1	5702.1	401.2	321.4	319.1	321.4	329.5	305.2	254.3	225.4
15175.4	70°	11364.8	4535.5	321.4	267.1	277.5	271.7	294.8	278.6	228.9	200.0
11764.8	72.5°	9273.4	3267.2	245.1	220.8	212.7	222.0	265.9	250.9	190.8	158.4
6231.6	75°	5418.8	1743.5	182.7	174.6	153.8	185.0	235.9	213.9	145.7	116.8
1909.9	77.5°	1764.3	608.1	134.1	128.3	114.5	149.1	201.2	180.4	119.1	92.5
559.6	80°	472.9	183.8	91.3	84.4	74.0	111.0	159.5	143.4	85.6	60.1
240.5	82.5°	189.6	77.5	53.2	47.4	40.5	76.3	126.0	115.6	63.6	38.2
75.1	85°	61.3	25.4	19.7	15.0	18.5	47.4	75.1	78.6	45.1	19.7
11.6	87.5°	8.1	3.5	3.5	4.6	3.5	8.1	23.1	22.0	12.7	2.3
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°
2660.3
2345.8
1898.4
1468.3
1198.9
1100.6
1067.1
1029.0
975.8
907.6
833.6
761.9
705.2
667.1
638.2
640.5
619.7
572.3
526.0
486.7
460.1
441.6
407.0
378.1
337.6
292.5
247.4
220.8
196.5
154.9
113.3
89.0
59.0
38.2
15.0
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