

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: P847587

Luminaire Tested: **GLAN-SB3D-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847587
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-SB3D-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 900mA 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: 23131 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

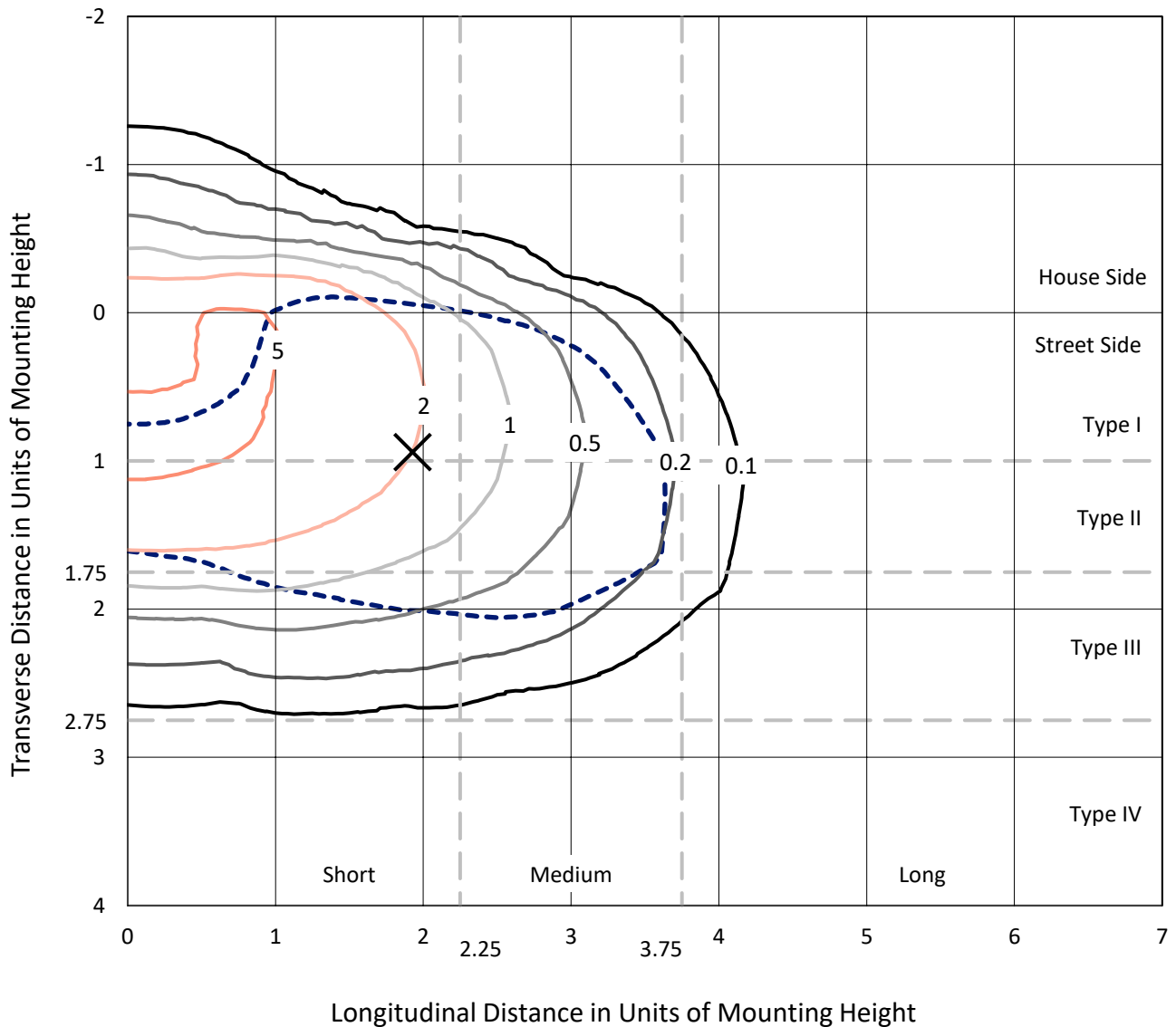
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

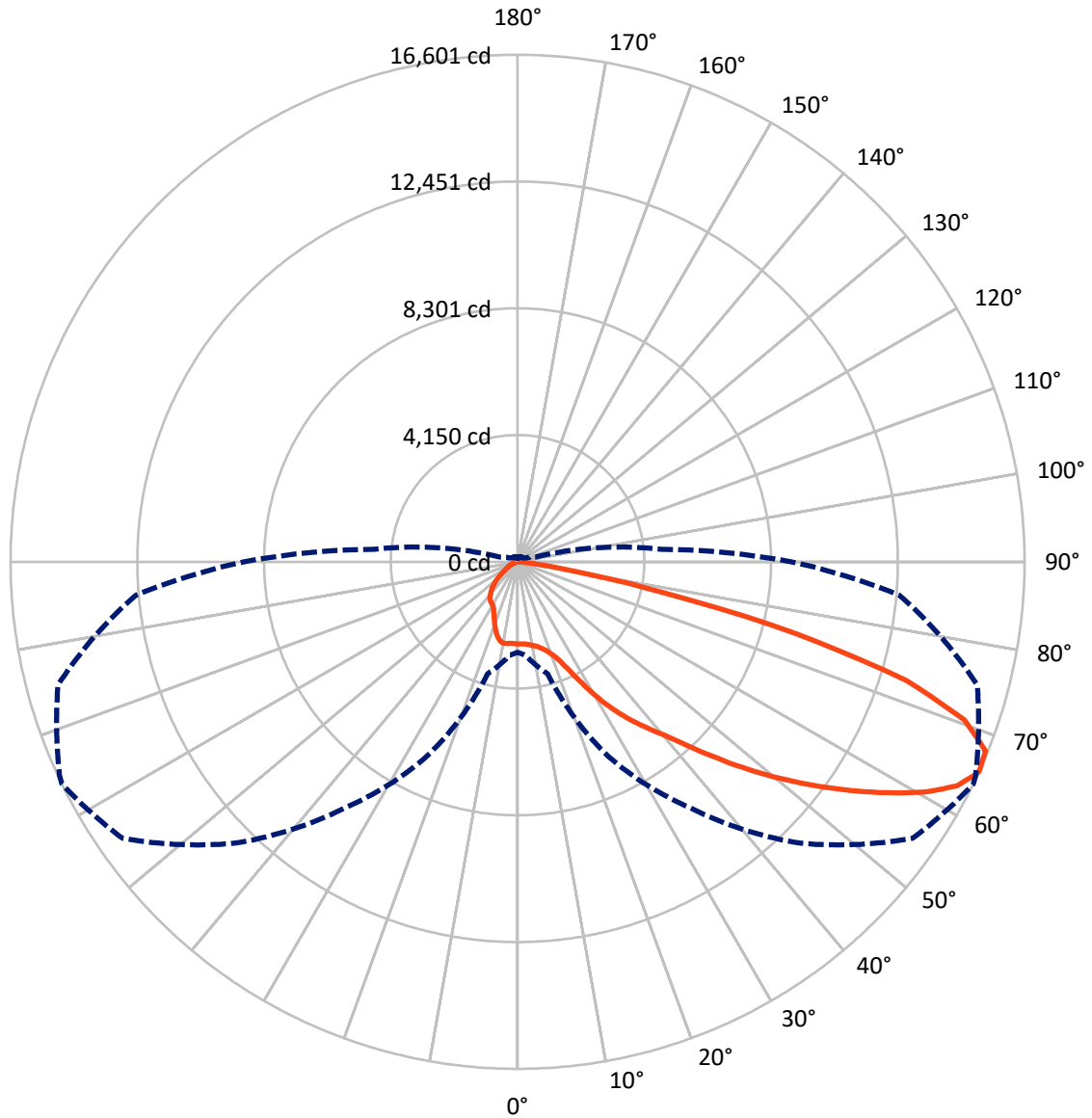
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	3093.3	0.0	3093.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	20037.7	0.0	20037.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	23131.0	0.0	23131.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.2	1.1
10°-20°	673.2	2.9
20°-30°	1275.7	5.5
30°-40°	2581.4	11.2
40°-50°	4397.5	19.0
50°-60°	5980.3	25.9
60°-70°	5615.8	24.3
70°-80°	2249.9	9.7
80°-90°	109.0	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°	23131.0	100.0
0°-180°	23131.0	100.0

Coefficient of Utilization



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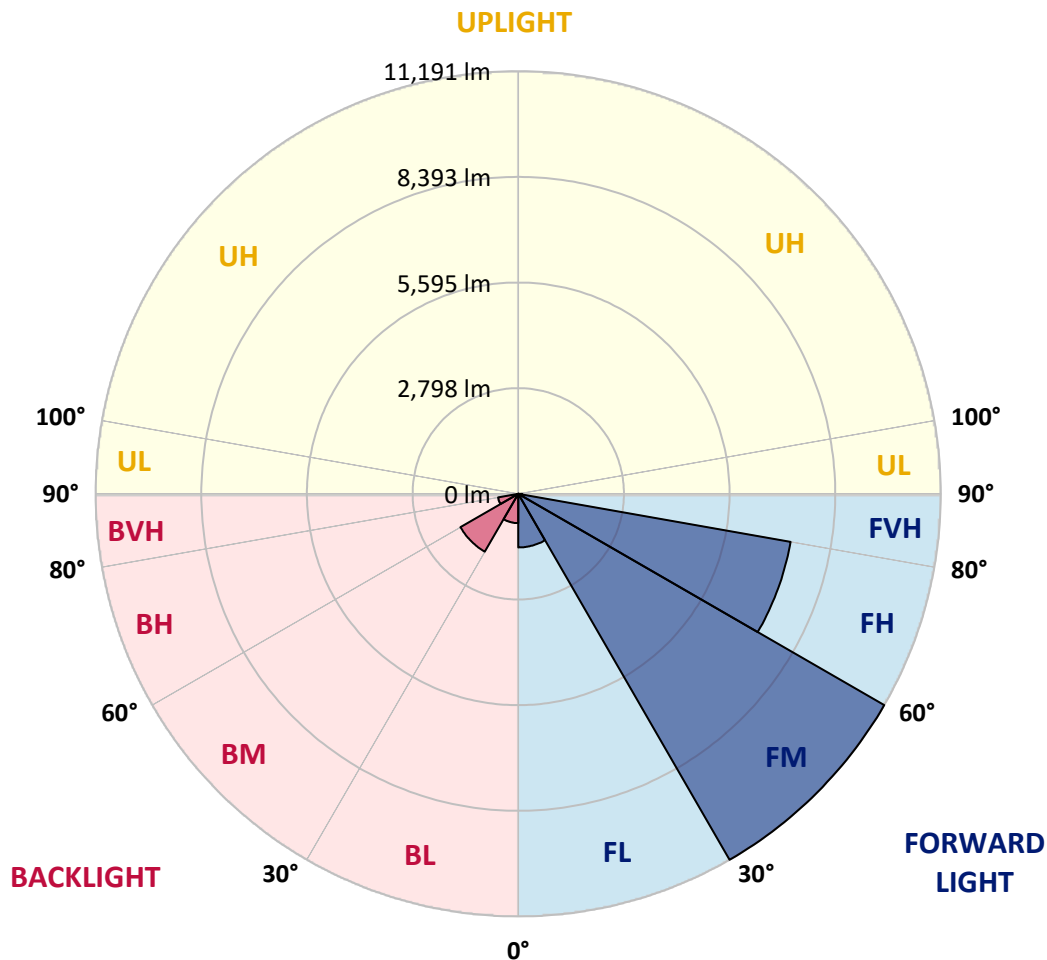
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1420.5	6.1			
FM (30°-60°)	11190.7	48.4			
FH (60°-80°)	7322.8	31.7			G3/7500
FVH (80°-90°)	103.7	0.4			G2/225
BL (0°-30°)	776.6	3.4	B2/1000		
BM (30°-60°)	1768.4	7.6	B2/2500		
BH (60°-80°)	542.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.3	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°	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4
2.5°	2681.1	2699.7	2695.0	2690.4	2688.8	2691.9	2693.5	2691.9	2691.9	2691.9
5°	2629.9	2645.4	2645.4	2656.3	2671.8	2690.4	2704.3	2707.4	2710.5	2715.2
7.5°	2532.2	2544.6	2553.9	2589.6	2628.3	2678.0	2719.8	2741.5	2744.6	2761.7
10°	2465.5	2481.0	2496.5	2533.8	2589.6	2664.0	2735.3	2788.1	2795.8	2836.1
12.5°	2462.4	2477.9	2498.1	2538.4	2603.5	2682.6	2769.5	2845.4	2859.4	2918.3
15°	2495.0	2513.6	2532.2	2581.8	2651.6	2747.7	2840.8	2935.4	2949.3	3033.1
17.5°	2561.7	2586.5	2600.4	2650.1	2724.5	2831.5	2954.0	3062.5	3074.9	3172.6
20°	2693.5	2722.9	2727.6	2767.9	2840.8	2955.5	3101.3	3236.2	3251.7	3363.4
22.5°	2966.4	3008.3	2971.0	2991.2	3056.3	3171.1	3329.2	3499.8	3521.5	3648.7
25°	3447.1	3506.0	3409.9	3375.8	3403.7	3523.1	3721.6	3937.1	3961.9	4064.3
27.5°	4391.4	4315.5	4169.7	4027.0	3943.3	4011.5	4234.8	4501.5	4532.5	4631.8
30°	5428.8	5362.1	5165.2	4848.9	4650.4	4639.5	4845.8	5143.5	5179.2	5273.8
32.5°	6467.8	6404.2	6190.2	5801.0	5456.7	5286.2	5428.8	5759.1	5777.7	5838.2
35°	7489.6	7424.5	7210.5	6812.0	6388.7	6001.0	5973.1	6345.3	6351.5	6415.0
37.5°	8517.7	8463.4	8235.5	7844.7	7427.6	6892.6	6633.7	6900.4	6908.1	6970.2
40°	9251.2	9274.4	9117.8	8815.4	8457.2	7872.6	7374.9	7491.2	7444.7	7548.6
42.5°	9880.7	9927.3	9790.8	9638.8	9431.0	8916.2	8292.9	8272.7	8198.3	8254.1
45°	10425.0	10463.8	10341.3	10305.6	10301.0	9939.7	9296.1	9175.2	9071.3	9060.4
47.5°	10625.0	10699.5	10752.2	10871.6	11104.2	10952.2	10333.5	10145.9	10029.6	9944.3
50°	10701.0	10780.1	10960.0	11307.3	11857.8	11922.9	11366.3	11155.4	11012.7	10857.6
52.5°	10598.7	10739.8	10981.7	11566.3	12364.9	12701.4	12357.1	12172.6	12009.8	11757.0
55°	9995.5	10136.6	10631.2	11563.2	12617.6	13247.2	13293.7	13211.5	13028.6	12630.0
57.5°	8723.9	8933.3	9716.4	11169.3	12613.0	13717.0	14211.7	14270.6	14065.9	13495.3
60°	6962.4	7246.2	8201.4	10296.3	12223.8	13971.3	15016.5	15311.1	15094.0	14348.2
62.5°	4858.2	5186.9	6090.9	8928.6	11333.7	13788.4	15604.2	16148.5	15984.1	15111.1
65°	2963.3	3068.7	3797.5	7026.0	9820.3	13022.3	15785.6	16601.2	16547.0	15577.8
67.5°	1974.0	2062.4	2271.7	4817.9	7623.0	11491.9	15351.4	16522.2	16537.7	15501.8
70°	1189.3	1265.3	1401.8	2802.0	4940.4	9096.1	14007.0	15514.2	15604.2	14486.2
72.5°	490.0	541.2	665.2	1270.0	2558.6	5773.1	11153.8	13320.1	13529.4	12180.3
75°	277.6	303.9	390.8	637.3	1110.3	2690.4	6756.2	9455.9	9764.4	8395.2
77.5°	184.5	196.9	252.8	412.5	624.9	918.0	2887.3	4926.4	5515.7	4585.3
80°	124.1	134.9	173.7	276.0	406.3	393.9	919.5	1825.1	2245.3	1575.5
82.5°	83.7	85.3	124.1	181.4	257.4	190.7	271.4	567.5	713.3	455.9
85°	48.1	46.5	91.5	105.4	114.7	79.1	82.2	170.6	223.3	192.3
87.5°	6.2	9.3	35.7	27.9	15.5	17.1	17.1	29.5	43.4	46.5
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°
2690.4	0°	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4
2693.5	2.5°	2693.5	2691.9	2687.3	2682.6	2671.8	2665.6	2668.7	2665.6	2664.0	2665.6
2713.6	5°	2713.6	2709.0	2696.6	2681.1	2659.4	2633.0	2615.9	2591.1	2567.9	2553.9
2767.9	7.5°	2767.9	2763.3	2746.2	2702.8	2633.0	2522.9	2422.1	2333.7	2267.0	2228.3
2854.7	10°	2854.7	2847.0	2820.6	2724.5	2541.5	2301.2	2101.1	1935.2	1826.7	1775.5
2957.1	12.5°	2957.1	2947.8	2901.3	2704.3	2367.8	1992.6	1716.6	1532.0	1431.2	1386.3
3074.9	15°	3078.0	3065.6	2974.1	2608.2	2115.1	1651.4	1398.7	1260.7	1195.6	1155.2
3225.3	17.5°	3228.5	3206.7	3028.4	2464.0	1840.6	1390.9	1203.3	1099.4	1042.0	1003.3
3422.3	20°	3423.8	3388.2	3071.8	2291.9	1587.9	1226.6	1071.5	984.7	941.2	907.1
3701.4	22.5°	3696.7	3645.6	3124.6	2105.8	1409.5	1113.4	973.8	910.2	874.6	835.8
4090.6	25°	4034.8	3974.3	3189.7	1933.7	1287.0	1015.7	902.5	849.8	807.9	762.9
4600.8	27.5°	4507.7	4399.2	3267.2	1792.5	1181.6	931.9	837.4	778.4	730.4	693.1
5179.2	30°	5035.0	4856.6	3335.4	1707.3	1085.5	854.4	752.1	693.1	648.2	621.8
5698.6	32.5°	5534.3	5292.4	3380.4	1670.0	998.6	766.0	659.0	595.4	561.3	553.6
6207.2	35°	6005.7	5686.2	3375.8	1634.4	921.1	677.6	567.5	502.4	476.0	480.7
6754.6	37.5°	6548.4	6106.5	3343.2	1578.6	857.5	597.0	488.5	431.1	407.8	409.4
7419.9	40°	7179.5	6591.8	3323.0	1473.1	787.7	522.6	423.3	376.8	359.8	353.5
8120.7	42.5°	7852.5	7061.7	3326.1	1353.7	700.9	455.9	378.4	339.6	324.1	319.4
8900.7	45°	8528.6	7509.8	3330.8	1229.7	609.4	404.7	345.8	313.2	303.9	297.7
9691.6	47.5°	9164.3	7891.3	3244.0	1096.3	519.5	366.0	319.4	297.7	290.0	282.2
10485.5	50°	9756.7	8145.6	3034.6	941.2	448.1	334.9	299.3	283.8	276.0	268.3
11205.0	52.5°	10217.2	8185.9	2688.8	781.5	398.5	311.7	286.9	272.9	263.6	255.9
11786.5	55°	10421.9	7933.1	2197.3	632.7	359.8	291.5	274.5	260.5	249.7	241.9
12243.9	57.5°	10369.2	7401.2	1713.5	508.6	322.5	271.4	259.0	249.7	237.2	224.8
12614.5	60°	10110.2	6689.5	1291.7	423.3	288.4	249.7	241.9	234.1	217.1	198.5
12757.2	62.5°	9662.1	5794.8	921.1	350.4	251.2	224.8	221.7	215.5	190.7	156.6
12546.3	65°	8976.7	4707.8	620.3	291.5	215.5	196.9	198.5	187.6	155.1	116.3
11774.1	67.5°	7975.0	3442.4	397.0	238.8	179.9	164.4	165.9	159.7	131.8	99.2
10310.3	70°	6698.8	2279.5	259.0	181.4	144.2	127.2	136.5	138.0	111.6	80.6
7913.0	72.5°	4910.9	1346.0	181.4	134.9	105.4	88.4	111.6	114.7	89.9	60.5
4760.5	75°	2798.9	638.9	136.5	97.7	65.1	62.0	86.8	86.8	62.0	40.3
2060.8	77.5°	1175.4	266.7	96.1	63.6	37.2	35.7	58.9	54.3	31.0	18.6
502.4	80°	339.6	119.4	51.2	31.0	15.5	14.0	23.3	17.1	7.8	3.1
190.7	82.5°	133.4	52.7	20.2	12.4	6.2	6.2	3.1	0.0	0.0	0.0
108.5	85°	79.1	21.7	9.3	4.7	1.6	0.0	0.0	0.0	0.0	0.0
23.3	87.5°	20.2	4.7	3.1	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°
2690.4
2671.8
2557.0
2229.8
1770.8
1381.6
1156.8
1000.2
900.9
829.6
758.3
685.4
617.2
558.2
480.7
415.6
352.0
317.9
297.7
282.2
268.3
254.3
240.4
223.3
195.4
153.5
113.2
94.6
77.5
57.4
37.2
18.6
3.1
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