

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: P847597

Luminaire Tested: **GLAN-SB3D-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847597
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-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 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: 23498 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

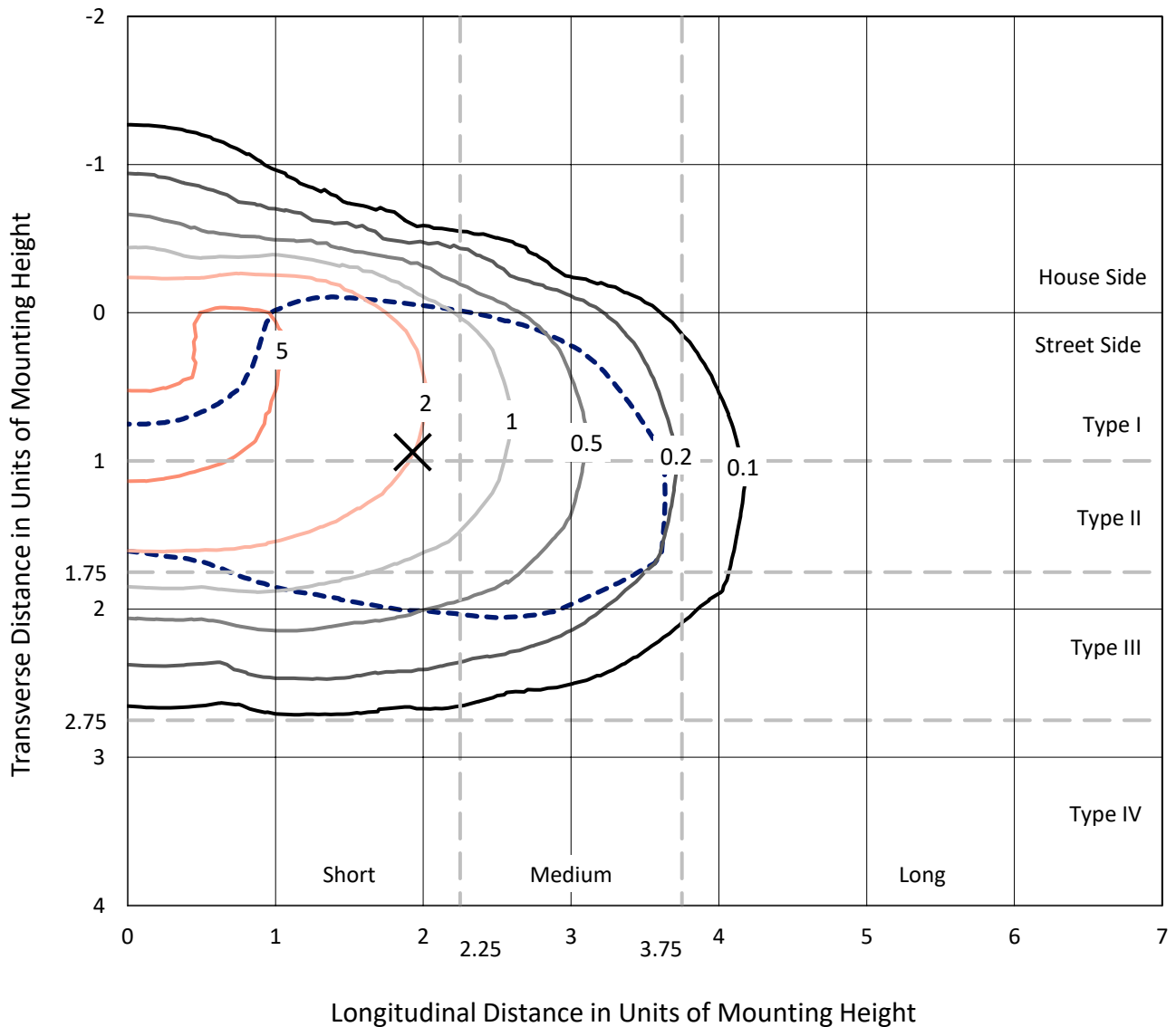
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

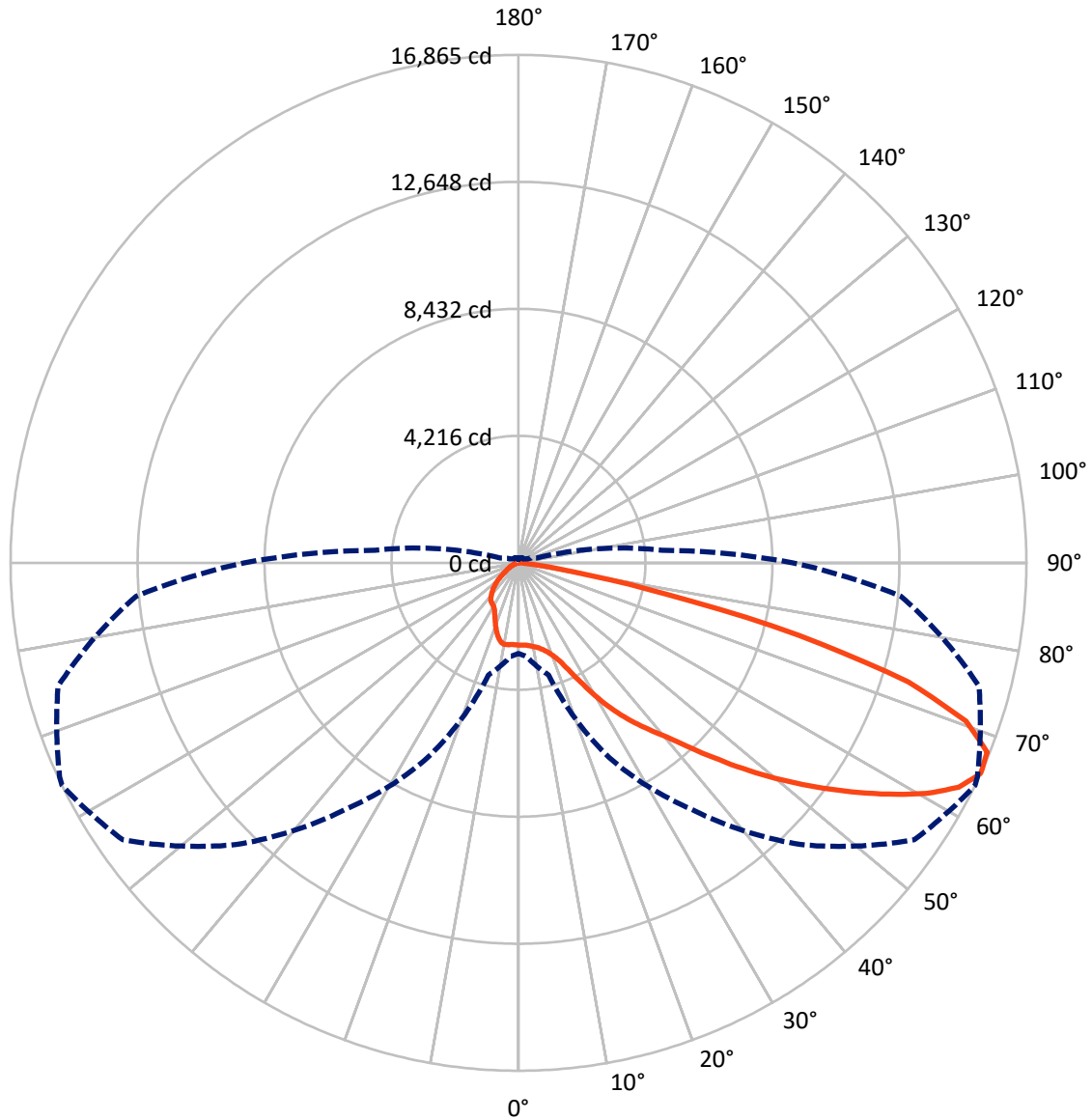
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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
House Side	Lumens	3142.4	0.0	3142.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	20355.6	0.0	20355.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	23498.0	0.0	23498.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.2	1.1
10°-20°	683.9	2.9
20°-30°	1295.9	5.5
30°-40°	2622.4	11.2
40°-50°	4467.3	19.0
50°-60°	6075.1	25.9
60°-70°	5704.9	24.3
70°-80°	2285.6	9.7
80°-90°	110.7	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°	23498.0	100.0
0°-180°	23498.0	100.0

Coefficient of Utilization



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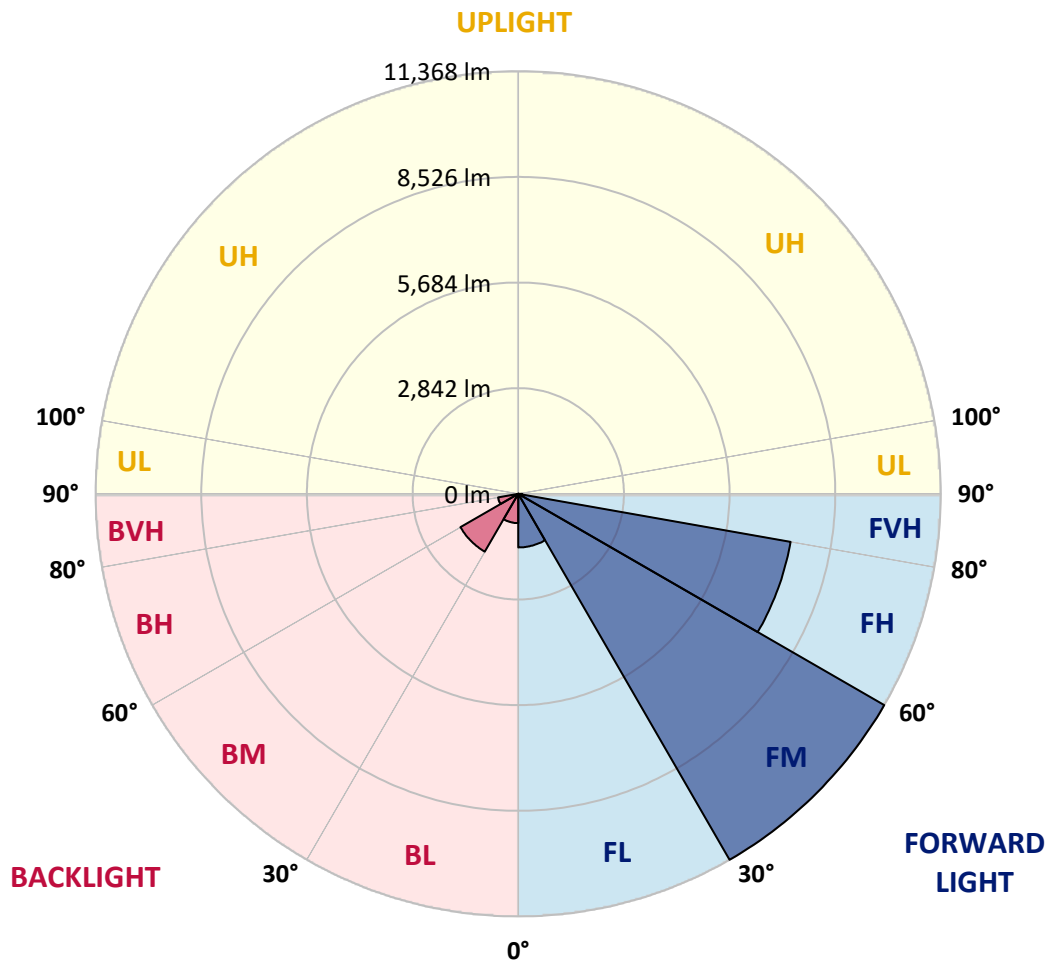
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1443.0	6.1			
FM (30°-60°)	11368.3	48.4			
FH (60°-80°)	7438.9	31.7			G3/7500
FVH (80°-90°)	105.3	0.4			G2/225
BL (0°-30°)	789.0	3.4	B2/1000		
BM (30°-60°)	1796.5	7.6	B2/2500		
BH (60°-80°)	551.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.4	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°	2733.1	2733.1	2733.1	2733.1	2733.1	2733.1	2733.1	2733.1	2733.1	2733.1
2.5°	2723.6	2742.5	2737.8	2733.1	2731.5	2734.6	2736.2	2734.6	2734.6	2734.6
5°	2671.6	2687.4	2687.4	2698.4	2714.2	2733.1	2747.2	2750.4	2753.5	2758.3
7.5°	2572.4	2585.0	2594.4	2630.7	2670.1	2720.5	2763.0	2785.0	2788.2	2805.5
10°	2504.6	2520.4	2536.2	2574.0	2630.7	2706.3	2778.7	2832.3	2840.2	2881.1
12.5°	2501.5	2517.3	2537.7	2578.7	2644.8	2725.2	2813.4	2890.6	2904.8	2964.6
15°	2534.6	2553.5	2572.4	2622.8	2693.7	2791.3	2885.9	2982.0	2996.1	3081.2
17.5°	2602.3	2627.5	2641.7	2692.1	2767.7	2876.4	3000.9	3111.1	3123.7	3223.0
20°	2736.2	2766.1	2770.9	2811.8	2885.9	3002.4	3150.5	3287.5	3303.3	3416.7
22.5°	3013.5	3056.0	3018.2	3038.7	3104.8	3221.4	3382.1	3555.3	3577.4	3706.6
25°	3501.8	3561.6	3464.0	3429.3	3457.7	3579.0	3780.6	3999.6	4024.8	4128.7
27.5°	4461.1	4383.9	4235.9	4090.9	4005.9	4075.2	4302.0	4573.0	4604.5	4705.3
30°	5515.0	5447.2	5247.2	4925.8	4724.2	4713.2	4922.7	5225.1	5261.3	5357.4
32.5°	6570.4	6505.8	6288.4	5893.0	5543.3	5370.0	5515.0	5850.5	5869.4	5930.8
35°	7608.5	7542.3	7324.9	6920.1	6490.0	6096.2	6067.9	6445.9	6452.2	6516.8
37.5°	8652.9	8597.7	8366.2	7969.2	7545.5	7002.0	6738.9	7009.9	7017.7	7080.8
40°	9398.0	9421.6	9262.5	8955.3	8591.4	7997.6	7491.9	7610.0	7562.8	7668.3
42.5°	10037.5	10084.8	9946.1	9791.8	9580.7	9057.7	8424.4	8404.0	8328.4	8385.1
45°	10590.4	10629.8	10505.4	10469.1	10464.4	10097.4	9443.6	9320.8	9215.2	9204.2
47.5°	10793.6	10869.2	10922.8	11044.1	11280.4	11126.0	10497.5	10306.9	10188.7	10102.1
50°	10870.8	10951.1	11133.9	11486.7	12045.9	12112.1	11546.6	11332.4	11187.4	11029.9
52.5°	10766.8	10910.2	11155.9	11749.8	12561.1	12902.9	12553.2	12365.7	12200.3	11943.6
55°	10154.1	10297.4	10799.9	11746.7	12817.8	13457.4	13504.6	13421.1	13235.3	12830.4
57.5°	8862.4	9075.0	9870.5	11346.5	12813.1	13934.7	14437.2	14497.0	14289.1	13709.4
60°	7072.9	7361.2	8331.5	10459.7	12417.7	14193.0	15254.7	15554.0	15333.5	14575.8
62.5°	4935.3	5269.2	6187.6	9070.3	11513.5	14007.1	15851.8	16404.7	16237.7	15350.8
65°	3010.3	3117.4	3857.8	7137.5	9976.1	13229.0	16036.1	16864.6	16809.5	15825.0
67.5°	2005.3	2095.1	2307.7	4894.3	7743.9	11674.2	15595.0	16784.3	16800.1	15747.8
70°	1208.2	1285.4	1424.0	2846.5	5018.8	9240.4	14229.2	15760.4	15851.8	14716.0
72.5°	497.8	549.8	675.8	1290.1	2599.2	5864.7	11330.8	13531.4	13744.1	12373.6
75°	282.0	308.7	397.0	647.4	1127.9	2733.1	6863.4	9605.9	9919.4	8528.4
77.5°	187.5	200.1	256.8	419.0	634.8	932.5	2933.1	5004.6	5603.2	4658.0
80°	126.0	137.0	176.4	280.4	412.7	400.1	934.1	1854.1	2281.0	1600.5
82.5°	85.1	86.6	126.0	184.3	261.5	193.8	275.7	576.5	724.6	463.1
85°	48.8	47.3	92.9	107.1	116.6	80.3	83.5	173.3	226.8	195.3
87.5°	6.3	9.5	36.2	28.4	15.8	17.3	17.3	29.9	44.1	47.3
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°
2733.1	0°	2733.1	2733.1	2733.1	2733.1	2733.1	2733.1	2733.1	2733.1	2733.1	2733.1
2736.2	2.5°	2736.2	2734.6	2729.9	2725.2	2714.2	2707.9	2711.0	2707.9	2706.3	2707.9
2756.7	5°	2756.7	2752.0	2739.4	2723.6	2701.6	2674.8	2657.4	2632.2	2608.6	2594.4
2811.8	7.5°	2811.8	2807.1	2789.8	2745.7	2674.8	2562.9	2460.5	2370.8	2303.0	2263.6
2900.0	10°	2900.0	2892.2	2865.4	2767.7	2581.8	2337.7	2134.5	1965.9	1855.6	1803.7
3004.0	12.5°	3004.0	2994.6	2947.3	2747.2	2405.4	2024.2	1743.8	1556.3	1454.0	1408.3
3123.7	15°	3126.9	3114.3	3021.3	2649.6	2148.6	1677.6	1420.9	1280.7	1214.5	1173.6
3276.5	17.5°	3279.7	3257.6	3076.5	2503.1	1869.8	1413.0	1222.4	1116.9	1058.6	1019.2
3476.6	20°	3478.2	3441.9	3120.6	2328.2	1613.1	1246.0	1088.5	1000.3	956.2	921.5
3760.1	22.5°	3755.4	3703.4	3174.1	2139.2	1431.9	1131.0	989.3	924.7	888.4	849.1
4155.5	25°	4098.8	4037.4	3240.3	1964.3	1307.5	1031.8	916.8	863.2	820.7	775.0
4673.8	27.5°	4579.3	4469.0	3319.1	1821.0	1200.3	946.7	850.6	790.8	741.9	704.1
5261.3	30°	5114.8	4933.7	3388.4	1734.4	1102.7	868.0	764.0	704.1	658.5	631.7
5789.0	32.5°	5622.1	5376.3	3434.0	1696.5	1014.5	778.2	669.5	604.9	570.2	562.4
6305.7	35°	6100.9	5776.4	3429.3	1660.3	935.7	688.4	576.5	510.4	483.6	488.3
6861.8	37.5°	6652.3	6203.3	3396.2	1603.6	871.1	606.5	496.2	437.9	414.3	415.9
7537.6	40°	7293.4	6696.4	3375.8	1496.5	800.2	530.9	430.0	382.8	365.5	359.2
8249.6	42.5°	7977.1	7173.7	3378.9	1375.2	712.0	463.1	384.4	345.0	329.2	324.5
9041.9	45°	8663.9	7628.9	3383.6	1249.2	619.1	411.1	351.3	318.2	308.7	302.4
9845.3	47.5°	9309.7	8016.5	3295.4	1113.7	527.7	371.8	324.5	302.4	294.6	286.7
10651.9	50°	9911.5	8274.8	3082.8	956.2	455.2	340.3	304.0	288.3	280.4	272.5
11382.8	52.5°	10379.3	8315.8	2731.5	793.9	404.8	316.6	291.4	277.2	267.8	259.9
11973.5	55°	10587.3	8059.0	2232.1	642.7	365.5	296.1	278.8	264.6	253.6	245.7
12438.2	57.5°	10533.7	7518.7	1740.7	516.7	327.7	275.7	263.1	253.6	241.0	228.4
12814.7	60°	10270.6	6795.6	1312.2	430.0	293.0	253.6	245.7	237.9	220.5	201.6
12959.6	62.5°	9815.4	5886.7	935.7	356.0	255.2	228.4	225.3	219.0	193.8	159.1
12745.4	65°	9119.1	4782.5	630.1	296.1	219.0	200.1	201.6	190.6	157.5	118.1
11960.9	67.5°	8101.5	3497.1	403.3	242.6	182.7	167.0	168.6	162.3	133.9	100.8
10473.8	70°	6805.1	2315.6	263.1	184.3	146.5	129.2	138.6	140.2	113.4	81.9
8038.5	72.5°	4988.8	1367.3	184.3	137.0	107.1	89.8	113.4	116.6	91.4	61.4
4836.0	75°	2843.3	649.0	138.6	99.2	66.2	63.0	88.2	88.2	63.0	41.0
2093.5	77.5°	1194.0	270.9	97.7	64.6	37.8	36.2	59.9	55.1	31.5	18.9
510.4	80°	345.0	121.3	52.0	31.5	15.8	14.2	23.6	17.3	7.9	3.2
193.8	82.5°	135.5	53.6	20.5	12.6	6.3	6.3	3.2	0.0	0.0	0.0
110.3	85°	80.3	22.1	9.5	4.7	1.6	0.0	0.0	0.0	0.0	0.0
23.6	87.5°	20.5	4.7	3.2	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°
2733.1
2714.2
2597.6
2265.2
1798.9
1403.5
1175.1
1016.0
915.2
842.8
770.3
696.3
627.0
567.1
488.3
422.2
357.6
322.9
302.4
286.7
272.5
258.3
244.2
226.8
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155.9
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