

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: P853020

Luminaire Tested: **GLAN-SB8A-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24424 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

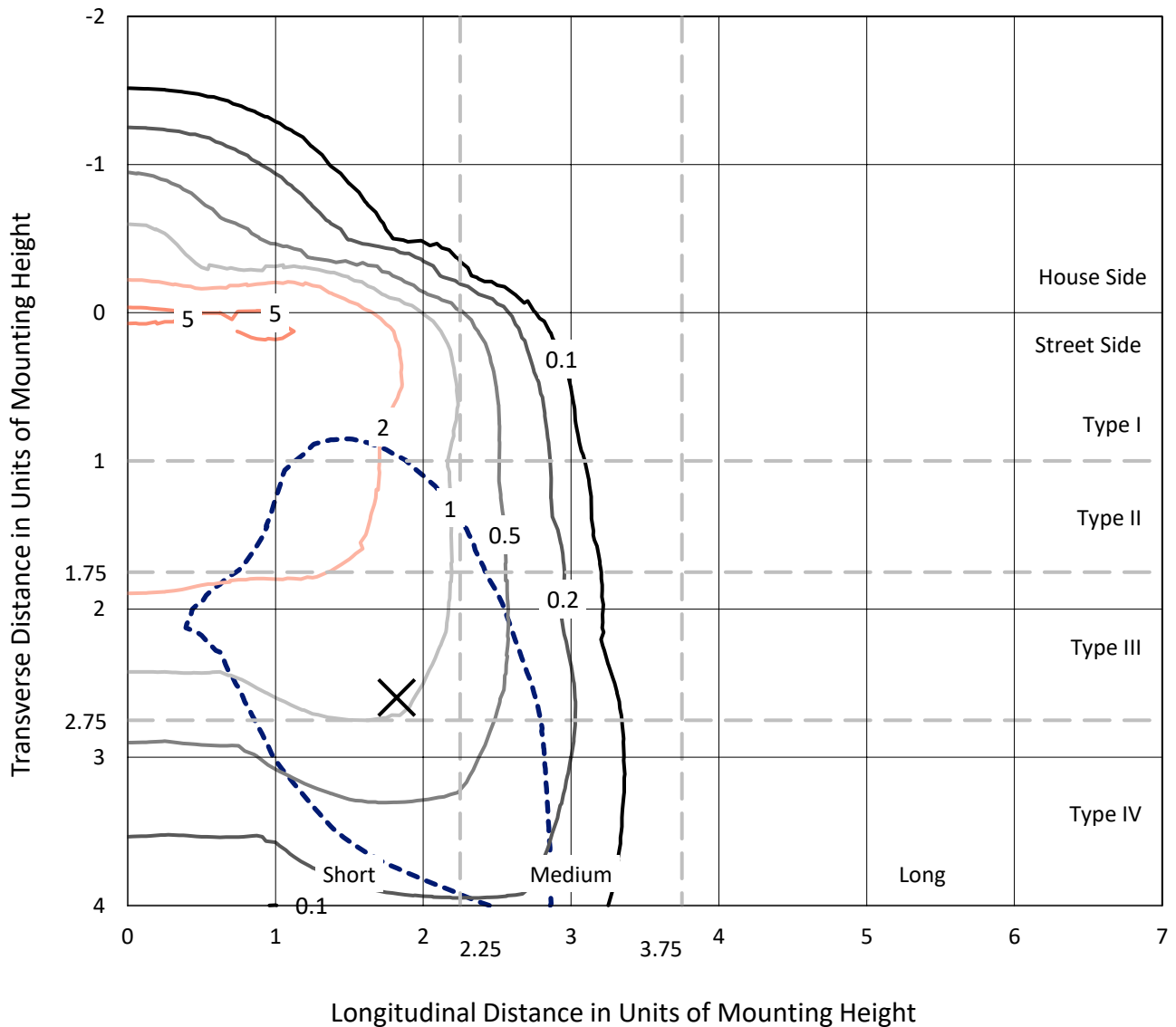
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

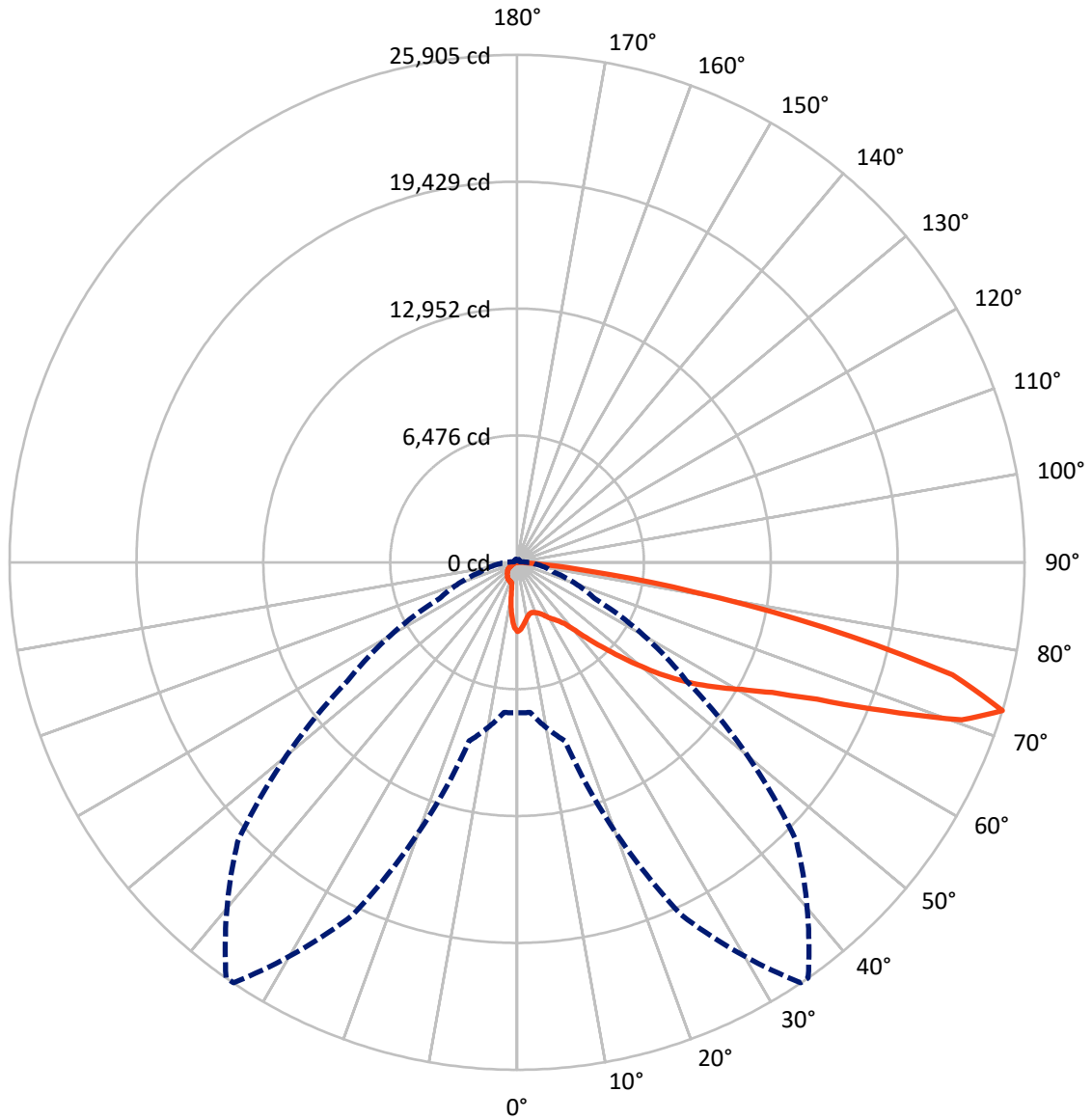
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2748.8	0.0	2748.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	21675.2	0.0	21675.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	24424.0	0.0	24424.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.9	1.2
10°-20°	680.5	2.8
20°-30°	1105.4	4.5
30°-40°	1844.4	7.6
40°-50°	3489.6	14.3
50°-60°	5545.0	22.7
60°-70°	6859.6	28.1
70°-80°	4264.0	17.5
80°-90°	344.6	1.4
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°	24424.0	100.0
0°-180°	24424.0	100.0

Coefficient of Utilization



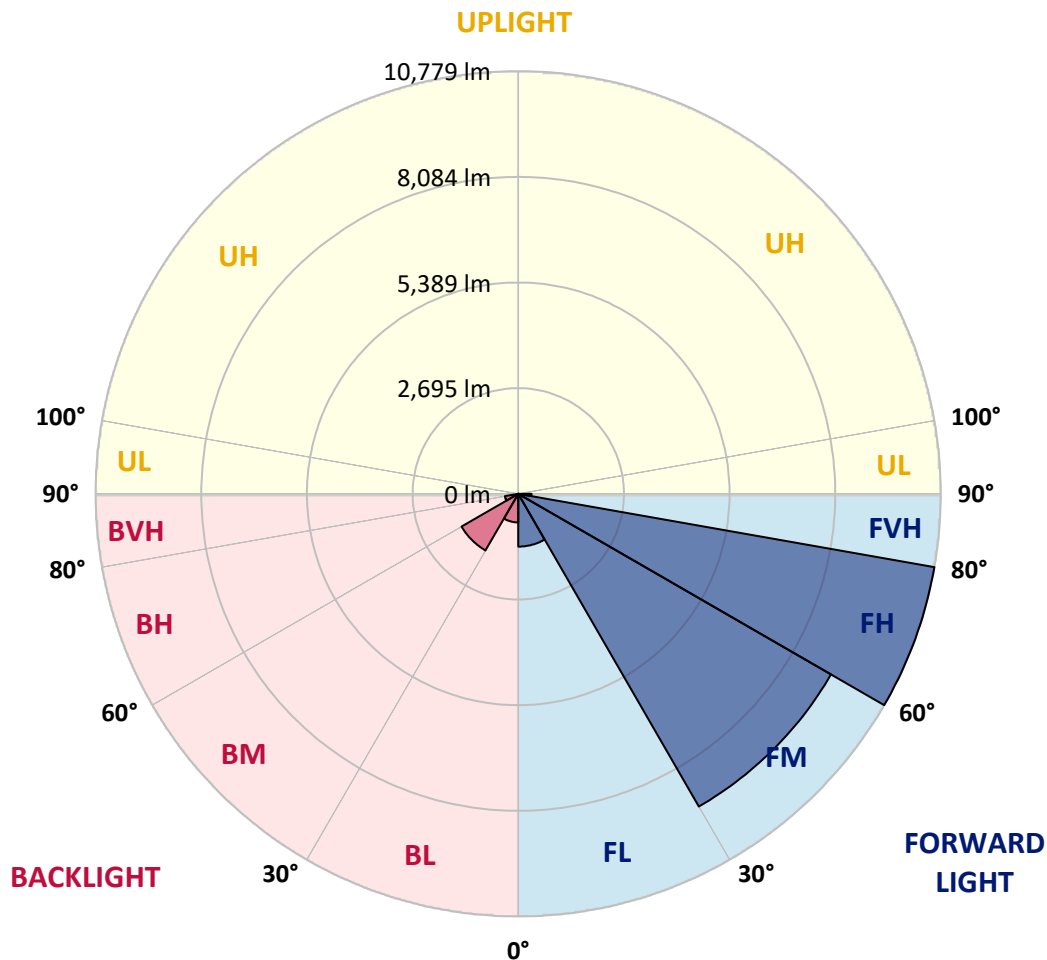
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1346.4	5.5			
FM	(30°-60°)	9210.3	37.7			
FH	(60°-80°)	10778.6	44.1			G4/12000
FVH	(80°-90°)	339.9	1.4			G3/500
BL	(0°-30°)	730.4	3.0	B2/1000		
BM	(30°-60°)	1668.8	6.8	B2/2500		
BH	(60°-80°)	344.9	1.4	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3539.9	3539.9	3539.9	3539.9	3539.9	3539.9	3539.9	3539.9	3539.9	3539.9
2.5°	3382.4	3411.0	3416.4	3425.3	3425.3	3436.1	3454.0	3479.0	3520.2	3541.6
5°	3117.5	3139.0	3165.8	3187.3	3228.5	3233.8	3303.6	3371.6	3466.5	3538.1
7.5°	2850.9	2875.9	2911.7	2963.6	3017.3	3033.4	3139.0	3253.5	3403.8	3538.1
10°	2662.9	2664.7	2696.9	2748.8	2834.7	2854.4	2983.3	3146.1	3334.1	3516.6
12.5°	2557.4	2569.9	2584.2	2623.6	2705.9	2718.4	2856.2	3047.7	3264.3	3504.1
15°	2557.4	2566.3	2575.3	2594.9	2661.2	2671.9	2793.6	2985.1	3228.5	3509.4
17.5°	2584.2	2598.5	2591.4	2614.6	2684.4	2691.6	2799.0	2967.2	3226.7	3543.4
20°	2648.6	2659.4	2645.0	2659.4	2729.2	2743.5	2854.4	3001.2	3257.1	3602.5
22.5°	2750.6	2756.0	2722.0	2732.7	2804.3	2822.2	2951.1	3097.8	3330.5	3697.3
25°	2879.5	2890.2	2838.3	2850.9	2918.9	2940.3	3088.9	3242.8	3446.8	3828.0
27.5°	3028.0	3033.4	2988.7	2986.9	3074.6	3105.0	3255.3	3421.7	3602.5	3992.6
30°	3198.0	3214.1	3171.2	3164.0	3275.0	3300.0	3448.6	3641.9	3831.6	4239.6
32.5°	3332.3	3344.8	3319.7	3337.6	3450.4	3470.1	3683.0	3953.3	4191.3	4590.4
35°	3525.5	3532.7	3475.4	3507.6	3636.5	3686.6	4003.4	4389.9	4644.0	5030.6
37.5°	4225.3	4225.3	3981.9	3822.6	3946.1	3990.8	4441.8	4939.3	5202.4	5621.2
40°	5193.5	5177.4	4821.2	4495.5	4479.4	4567.1	5066.4	5631.9	5923.6	6329.9
42.5°	6226.1	6201.0	5716.0	5393.9	5340.2	5370.6	5787.6	6485.6	6782.6	7194.2
45°	7142.3	7135.2	6691.4	6258.3	6161.6	6258.3	6687.8	7484.2	7697.1	8130.2
47.5°	7910.1	7910.1	7586.2	7303.4	7253.3	7310.6	7906.5	8591.9	8572.3	9127.0
50°	8794.2	8787.0	8479.2	8357.5	8409.4	8489.9	9309.6	9758.8	9477.8	10106.0
52.5°	9413.4	9456.3	9350.7	9331.0	9595.9	9735.5	10734.1	10900.5	10288.5	11034.8
55°	9903.7	9953.8	10075.5	10213.3	10723.4	10905.9	12113.9	11983.3	10966.8	11840.1
57.5°	10598.1	10526.5	10714.4	10986.4	11811.5	12031.6	13450.7	13005.1	11512.6	12493.3
60°	11441.0	11451.7	11484.0	11827.6	12897.7	13180.5	14767.9	13971.5	11863.4	12894.2
62.5°	12453.9	12470.0	12536.2	13064.2	14356.3	14622.9	16171.0	14762.5	12024.4	12781.4
65°	12384.1	12452.1	13191.2	14997.0	16573.6	16836.7	17808.4	15317.3	11781.0	11750.6
67.5°	11281.7	11392.7	12629.3	17305.6	19916.6	20210.1	19787.8	15426.5	10730.5	9137.8
70°	9835.7	9875.1	11362.3	19381.5	23787.5	24084.6	21559.5	14225.6	8142.7	5096.8
72.5°	7681.0	7690.0	9434.8	19862.9	25888.6	25904.7	20168.9	10560.5	4379.2	1957.8
75°	5487.0	5433.3	6319.1	16108.3	22776.4	22959.0	15120.4	4953.7	1673.3	925.2
77.5°	2942.1	3001.2	3575.6	9553.0	15734.3	16045.7	8250.1	1428.1	851.9	629.9
80°	909.1	959.2	1465.7	4373.8	8912.3	9100.2	3058.5	635.3	594.2	449.2
82.5°	286.3	297.1	683.6	1837.9	3699.1	3785.0	885.9	359.7	406.2	297.1
85°	82.3	84.1	304.2	685.4	914.5	932.4	248.8	139.6	232.6	184.3
87.5°	8.9	28.6	114.5	114.5	80.5	78.7	26.8	30.4	66.2	23.3
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°
3539.9	0°	3539.9	3539.9	3539.9	3539.9	3539.9	3539.9	3539.9	3539.9	3539.9	3539.9
3556.0	2.5°	3547.0	3548.8	3525.5	3486.2	3443.2	3407.4	3362.7	3326.9	3301.8	3294.7
3588.2	5°	3572.1	3559.5	3493.3	3373.4	3230.3	3106.8	2969.0	2859.8	2788.2	2757.8
3622.2	7.5°	3609.7	3573.9	3428.9	3192.7	2918.9	2675.5	2428.5	2237.0	2115.3	2054.5
3654.4	10°	3641.9	3570.3	3321.5	2931.4	2512.6	2144.0	1811.1	1580.2	1451.4	1390.5
3692.0	12.5°	3672.3	3568.5	3181.9	2621.8	2054.5	1603.5	1293.9	1179.4	1143.6	1131.0
3752.8	15°	3729.6	3573.9	3006.6	2267.4	1598.1	1211.6	1098.8	1097.0	1104.2	1100.6
3845.9	17.5°	3808.3	3579.2	2807.9	1891.6	1233.0	1068.4	1063.0	1079.1	1089.9	1084.5
3962.2	20°	3910.3	3600.7	2596.7	1519.4	1059.5	1032.6	1045.1	1059.5	1068.4	1059.5
4117.9	22.5°	4053.5	3638.3	2365.9	1220.5	1004.0	1011.1	1021.9	1038.0	1046.9	1034.4
4316.5	25°	4228.9	3697.3	2138.6	1061.2	977.1	986.1	1002.2	1020.1	1030.8	1018.3
4567.1	27.5°	4456.1	3792.2	1929.2	1025.4	950.3	955.7	978.9	1005.8	1020.1	1004.0
4923.2	30°	4785.4	3947.9	1748.5	1041.6	934.2	921.7	953.9	991.4	1007.6	993.2
5408.2	32.5°	5222.1	4168.0	1637.5	1066.6	927.0	882.3	912.7	961.0	987.9	978.9
6041.7	35°	5794.8	4502.7	1594.5	1095.2	921.7	841.1	862.6	914.5	961.0	970.0
6839.9	37.5°	6489.1	4968.0	1607.1	1107.8	905.5	807.1	817.9	862.6	923.4	952.1
7738.3	40°	7278.4	5510.2	1678.7	1095.2	887.6	778.5	780.3	814.3	868.0	910.9
8704.7	42.5°	8092.6	6143.7	1811.1	1048.7	871.5	753.4	748.1	771.3	807.1	837.5
9669.3	45°	8867.5	6795.2	1941.7	984.3	851.9	728.4	715.8	724.8	732.0	744.5
10608.8	47.5°	9544.0	7253.3	1904.1	925.2	825.0	699.7	678.3	674.7	653.2	651.4
11448.2	50°	10011.1	7353.5	1691.2	866.2	785.6	667.5	633.5	612.0	574.5	556.6
12076.3	52.5°	10159.6	6958.0	1381.6	807.1	721.2	624.6	576.3	542.3	495.7	479.6
12437.8	55°	9962.8	6183.1	1104.2	735.5	631.7	567.3	513.6	468.9	431.3	411.6
12477.2	57.5°	9481.4	5197.0	873.3	651.4	536.9	502.9	449.2	404.5	372.2	352.6
12040.5	60°	8683.2	4126.8	690.8	551.2	458.1	433.1	377.6	349.0	320.3	297.1
10913.1	62.5°	7471.6	2945.7	542.3	436.7	383.0	354.3	322.1	300.7	266.7	234.4
8885.4	65°	5830.6	1802.1	418.8	320.3	307.8	293.5	273.8	254.1	213.0	180.8
5796.6	67.5°	3677.7	853.6	298.9	241.6	243.4	236.2	227.3	211.2	180.8	152.1
2596.7	70°	1619.6	413.4	196.9	184.3	180.8	180.8	187.9	182.5	153.9	127.1
902.0	72.5°	551.2	221.9	146.7	139.6	130.6	128.9	157.5	152.1	123.5	98.4
449.2	75°	288.1	148.5	107.4	100.2	78.7	94.8	125.3	118.1	87.7	64.4
297.1	77.5°	187.9	105.6	73.4	64.4	44.7	62.6	93.1	82.3	51.9	32.2
195.1	80°	118.1	69.8	43.0	30.4	21.5	34.0	50.1	35.8	19.7	7.2
114.5	82.5°	62.6	35.8	16.1	10.7	8.9	10.7	12.5	8.9	3.6	0.0
59.1	85°	25.1	12.5	5.4	3.6	1.8	0.0	3.6	1.8	0.0	0.0
10.7	87.5°	8.9	1.8	0.0	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°
3539.9
3307.2
2768.5
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1098.8
1082.7
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1016.5
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