

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: P852768

Luminaire Tested: **GLAN-SB6B-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852768
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-SB6B-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA 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: 25371 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

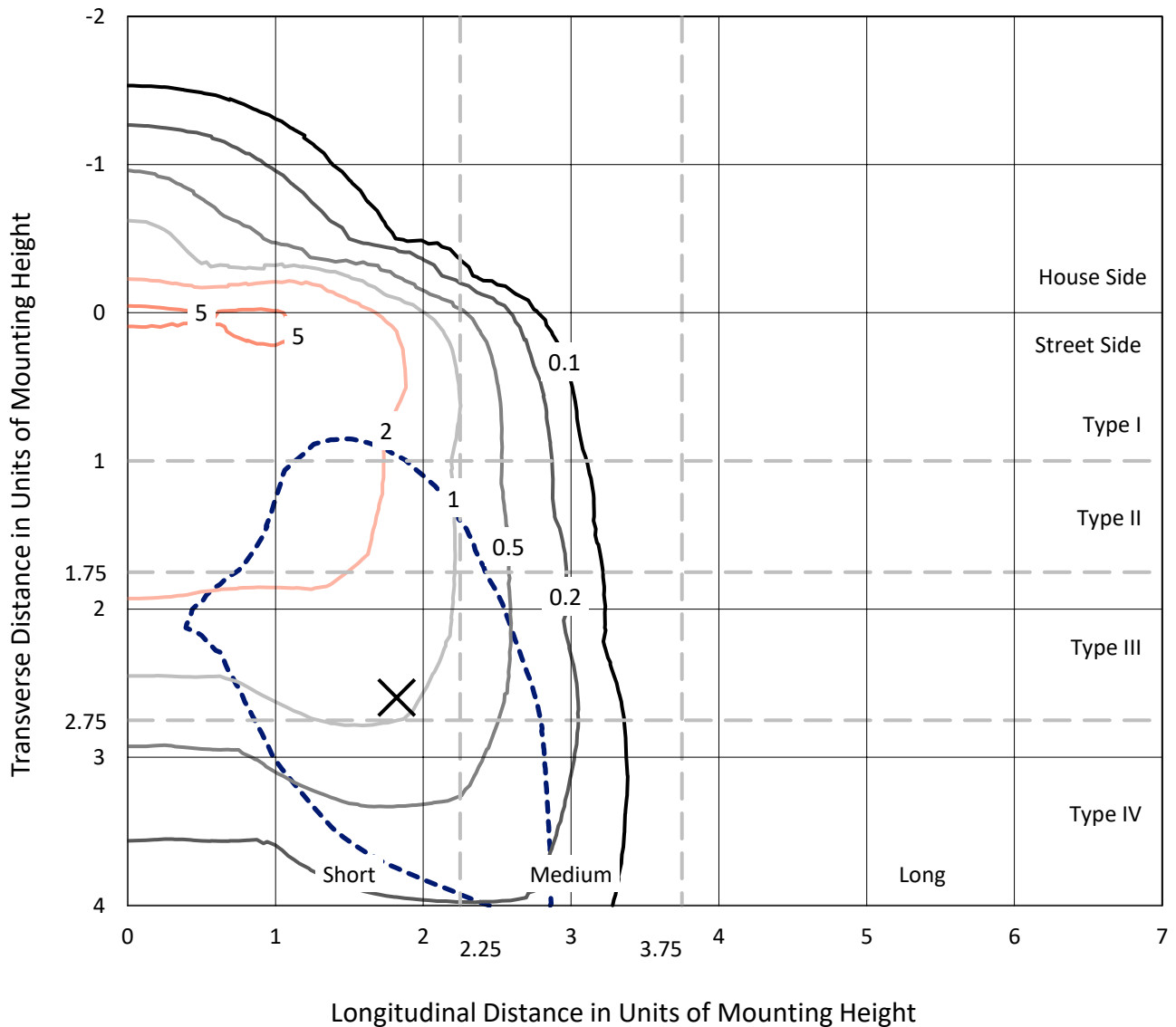
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

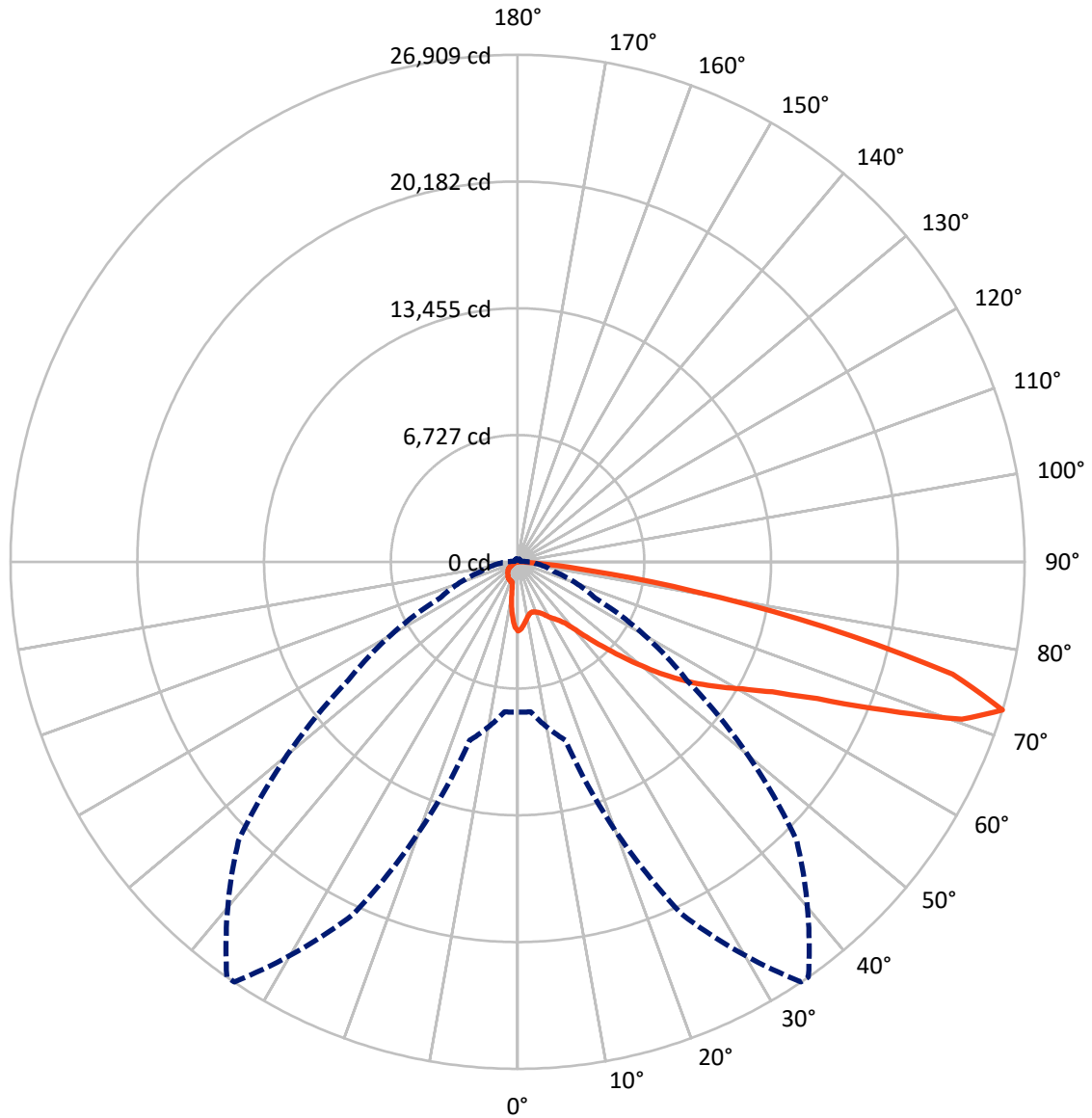
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	2855.4	0.0	2855.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	22515.6	0.0	22515.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	25371.0	0.0	25371.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.2	1.2
10°-20°	706.9	2.8
20°-30°	1148.3	4.5
30°-40°	1915.9	7.6
40°-50°	3625.0	14.3
50°-60°	5760.0	22.7
60°-70°	7125.6	28.1
70°-80°	4429.3	17.5
80°-90°	358.0	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°	25371.0	100.0
0°-180°	25371.0	100.0

Coefficient of Utilization

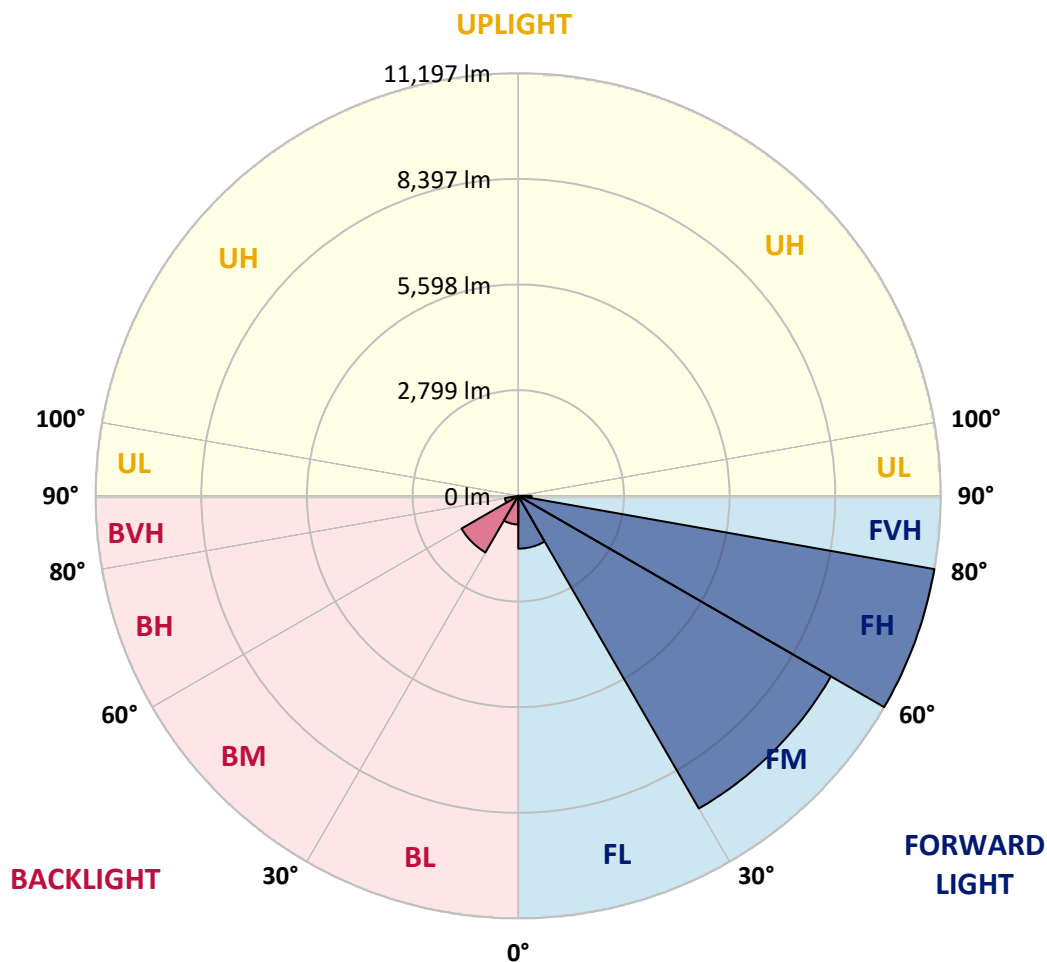


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1398.6	5.5			
FM (30°-60°)	9567.4	37.7			
FH (60°-80°)	11196.5	44.1			G4/12000
FVH (80°-90°)	353.1	1.4			G3/500
BL (0°-30°)	758.7	3.0	B2/1000		
BM (30°-60°)	1733.5	6.8	B2/2500		
BH (60°-80°)	358.3	1.4	B1/500		G1/500
BVH (80°-90°)	4.9	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°	3677.1	3677.1	3677.1	3677.1	3677.1	3677.1	3677.1	3677.1	3677.1	3677.1
2.5°	3513.5	3543.3	3548.8	3558.1	3558.1	3569.3	3587.9	3613.9	3656.7	3679.0
5°	3238.4	3260.7	3288.6	3310.9	3353.6	3359.2	3431.7	3502.4	3600.9	3675.2
7.5°	2961.4	2987.4	3024.6	3078.5	3134.3	3151.0	3260.7	3379.7	3535.8	3675.2
10°	2766.2	2768.1	2801.5	2855.4	2944.7	2965.1	3099.0	3268.1	3463.3	3652.9
12.5°	2656.5	2669.5	2684.4	2725.3	2810.8	2823.8	2967.0	3165.9	3390.8	3639.9
15°	2656.5	2665.8	2675.1	2695.6	2764.3	2775.5	2901.9	3100.8	3353.6	3645.5
17.5°	2684.4	2699.3	2691.8	2716.0	2788.5	2795.9	2907.5	3082.2	3351.8	3680.8
20°	2751.3	2762.5	2747.6	2762.5	2835.0	2849.9	2965.1	3117.5	3383.4	3742.2
22.5°	2857.3	2862.9	2827.5	2838.7	2913.1	2931.6	3065.5	3217.9	3459.6	3840.7
25°	2991.1	3002.3	2948.4	2961.4	3032.0	3054.3	3208.6	3368.5	3580.4	3976.4
27.5°	3145.4	3151.0	3104.5	3102.7	3193.8	3225.4	3381.5	3554.4	3742.2	4147.4
30°	3322.0	3338.8	3294.2	3286.7	3402.0	3428.0	3582.3	3783.1	3980.1	4404.0
32.5°	3461.5	3474.5	3448.5	3467.0	3584.2	3604.6	3825.8	4106.5	4353.8	4768.3
35°	3662.2	3669.7	3610.2	3643.6	3777.5	3829.5	4158.6	4560.1	4824.1	5225.7
37.5°	4389.1	4389.1	4136.3	3970.8	4099.1	4145.6	4614.0	5130.8	5404.1	5839.1
40°	5394.8	5378.1	5008.2	4669.8	4653.1	4744.2	5262.8	5850.3	6153.3	6575.3
42.5°	6467.5	6441.4	5937.7	5603.0	5547.3	5578.9	6012.0	6737.0	7045.6	7473.2
45°	7419.3	7411.8	6950.8	6500.9	6400.5	6500.9	6947.1	7774.4	7995.6	8445.5
47.5°	8216.8	8216.8	7880.3	7586.6	7534.5	7594.0	8213.1	8925.1	8904.6	9480.9
50°	9135.1	9127.7	8808.0	8681.5	8735.5	8819.1	9670.5	10137.1	9845.3	10497.8
52.5°	9778.4	9823.0	9713.3	9692.8	9968.0	10113.0	11150.3	11323.2	10687.4	11462.6
55°	10287.7	10339.8	10466.2	10609.3	11139.1	11328.8	12583.6	12447.9	11392.0	12299.2
57.5°	11009.0	10934.7	11129.9	11412.4	12269.4	12498.1	13972.3	13509.4	11959.0	12977.7
60°	11884.6	11895.8	11929.2	12286.2	13397.8	13691.6	15340.5	14513.2	12323.3	13394.1
62.5°	12936.8	12953.5	13022.3	13570.7	14912.9	15189.9	16798.0	15334.9	12490.6	13277.0
65°	12864.3	12934.9	13702.7	15578.4	17216.2	17489.5	18498.9	15911.2	12237.8	12206.2
67.5°	11719.2	11834.4	13119.0	17976.6	20688.8	20993.7	20555.0	16024.6	11146.6	9492.1
70°	10217.1	10258.0	11802.8	20133.0	24709.9	25018.5	22395.4	14777.2	8458.5	5294.4
72.5°	7978.8	7988.1	9800.7	20633.1	26892.3	26909.1	20951.0	10970.0	4549.0	2033.7
75°	5699.7	5643.9	6564.1	16732.9	23659.5	23849.2	15706.7	5145.7	1738.2	961.1
77.5°	3056.2	3117.5	3714.3	9923.4	16344.4	16667.8	8570.0	1483.5	884.9	654.4
80°	944.4	996.4	1522.5	4543.4	9257.8	9453.0	3177.0	659.9	617.2	466.6
82.5°	297.4	308.6	710.1	1909.2	3842.6	3931.8	920.2	373.7	422.0	308.6
85°	85.5	87.4	316.0	712.0	950.0	968.5	258.4	145.0	241.7	191.5
87.5°	9.3	29.7	119.0	119.0	83.7	81.8	27.9	31.6	68.8	24.2
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°
3677.1	0°	3677.1	3677.1	3677.1	3677.1	3677.1	3677.1	3677.1	3677.1	3677.1	3677.1
3693.8	2.5°	3684.5	3686.4	3662.2	3621.3	3576.7	3539.5	3493.1	3455.9	3429.9	3422.4
3727.3	5°	3710.6	3697.6	3628.8	3504.2	3355.5	3227.2	3084.1	2970.7	2896.3	2864.7
3762.6	7.5°	3749.6	3712.4	3561.9	3316.5	3032.0	2779.2	2522.7	2323.8	2197.3	2134.1
3796.1	10°	3783.1	3708.7	3450.3	3045.0	2610.0	2227.1	1881.3	1641.5	1507.7	1444.4
3835.1	12.5°	3814.7	3706.9	3305.3	2723.4	2134.1	1665.7	1344.1	1225.1	1187.9	1174.9
3898.3	15°	3874.2	3712.4	3123.1	2355.4	1660.1	1258.5	1141.4	1139.6	1147.0	1143.3
3995.0	17.5°	3956.0	3718.0	2916.8	1965.0	1280.9	1109.8	1104.2	1121.0	1132.1	1126.6
4115.8	20°	4061.9	3740.3	2697.4	1578.3	1100.5	1072.6	1085.7	1100.5	1109.8	1100.5
4277.6	22.5°	4210.6	3779.4	2457.6	1267.8	1042.9	1050.3	1061.5	1078.2	1087.5	1074.5
4483.9	25°	4392.8	3840.7	2221.5	1102.4	1015.0	1024.3	1041.0	1059.6	1070.8	1057.8
4744.2	27.5°	4628.9	3939.2	2004.0	1065.2	987.1	992.7	1016.9	1044.8	1059.6	1042.9
5114.1	30°	4971.0	4101.0	1816.2	1081.9	970.4	957.4	990.8	1029.9	1046.6	1031.7
5617.9	32.5°	5424.6	4329.6	1701.0	1108.0	963.0	916.5	948.1	998.3	1026.2	1016.9
6276.0	35°	6019.5	4677.3	1656.4	1137.7	957.4	873.7	896.0	950.0	998.3	1007.6
7105.1	37.5°	6740.7	5160.6	1669.4	1150.7	940.7	838.4	849.6	896.0	959.2	989.0
8038.3	40°	7560.6	5723.9	1743.7	1137.7	922.1	808.7	810.5	845.8	901.6	946.2
9042.2	42.5°	8406.4	6382.0	1881.3	1089.4	905.3	782.6	777.1	801.2	838.4	870.0
10044.2	45°	9211.4	7058.6	2017.0	1022.5	884.9	756.6	743.6	752.9	760.3	773.3
11020.2	47.5°	9914.1	7534.5	1978.0	961.1	857.0	726.9	704.6	700.8	678.5	676.7
11892.0	50°	10399.3	7638.6	1756.8	899.8	816.1	693.4	658.1	635.8	596.7	578.2
12544.6	52.5°	10553.6	7227.8	1435.2	838.4	749.2	648.8	598.6	563.3	514.9	498.2
12920.1	55°	10349.1	6422.9	1147.0	764.1	656.2	589.3	533.5	487.1	448.0	427.6
12961.0	57.5°	9849.0	5398.5	907.2	676.7	557.7	522.4	466.6	420.1	386.7	366.2
12507.4	60°	9019.9	4286.9	717.6	572.6	475.9	449.9	392.2	362.5	332.8	308.6
11336.2	62.5°	7761.3	3059.9	563.3	453.6	397.8	368.1	334.6	312.3	277.0	243.5
9230.0	65°	6056.6	1872.0	435.0	332.8	319.7	304.9	284.4	264.0	221.2	187.8
6021.3	67.5°	3820.3	886.7	310.5	251.0	252.8	245.4	236.1	219.4	187.8	158.0
2697.4	70°	1682.4	429.4	204.5	191.5	187.8	187.8	195.2	189.6	159.9	132.0
936.9	72.5°	572.6	230.5	152.4	145.0	135.7	133.8	163.6	158.0	128.3	102.2
466.6	75°	299.3	154.3	111.5	104.1	81.8	98.5	130.1	122.7	91.1	66.9
308.6	77.5°	195.2	109.7	76.2	66.9	46.5	65.1	96.7	85.5	53.9	33.5
202.6	80°	122.7	72.5	44.6	31.6	22.3	35.3	52.1	37.2	20.4	7.4
119.0	82.5°	65.1	37.2	16.7	11.2	9.3	11.2	13.0	9.3	3.7	0.0
61.3	85°	26.0	13.0	5.6	3.7	1.9	0.0	3.7	1.9	0.0	0.0
11.2	87.5°	9.3	1.9	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°
3677.1
3435.4
2875.9
2143.4
1446.3
1171.2
1141.4
1124.7
1098.7
1072.6
1055.9
1042.9
1029.9
1016.9
1007.6
996.4
961.1
883.0
780.8
674.8
580.0
496.4
427.6
362.5
303.0
238.0
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154.3
126.4
96.7
61.3
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