

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: P852531

Luminaire Tested: **GLAN-SB4C-735-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852531  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-735-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

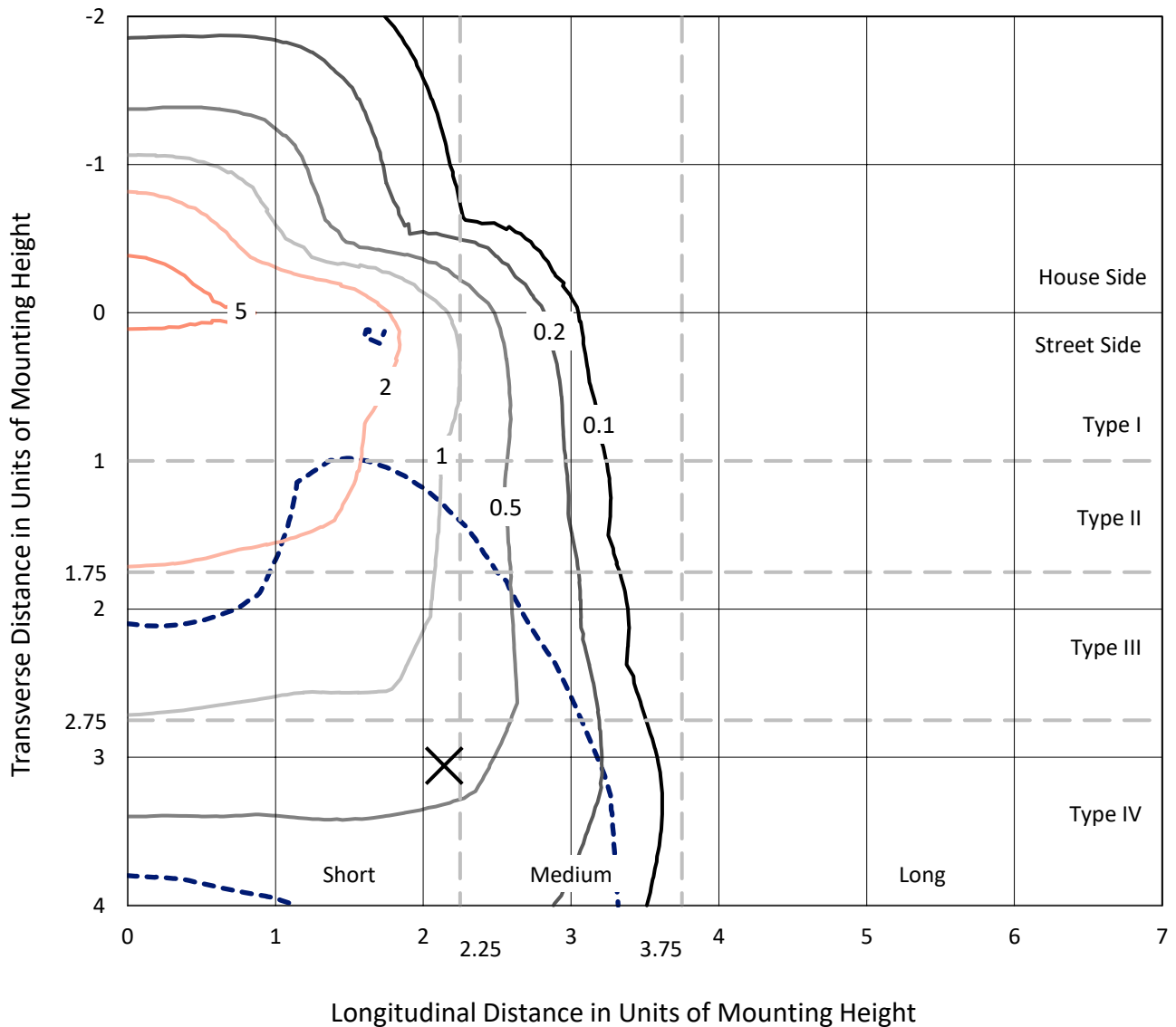
Lumens per Lamp: N/A  
Luminaire Lumens: 29111 lumens  
Efficiency: N/A  
Efficacy: 145.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

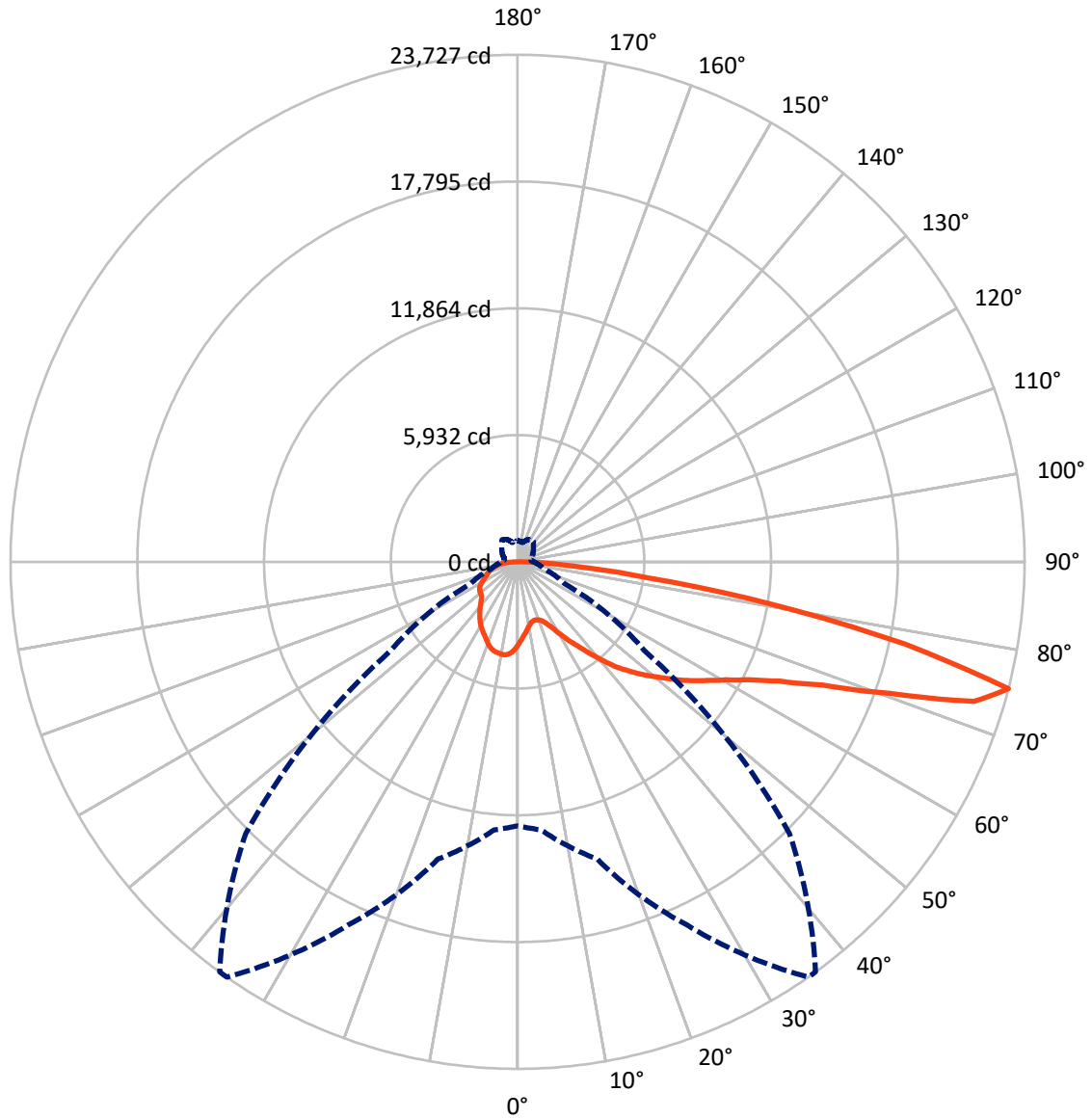
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6927.7	0.0	6927.7
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	22183.3	0.0	22183.3
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	29111.0	0.0	29111.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	367.3	1.3
10°-20°	1059.4	3.6
20°-30°	1779.0	6.1
30°-40°	2764.9	9.5
40°-50°	4103.8	14.1
50°-60°	5665.5	19.5
60°-70°	6873.6	23.6
70°-80°	5680.5	19.5
80°-90°	817.0	2.8
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°	29111.0	100.0
0°-180°	29111.0	100.0

**Coefficient of Utilization**

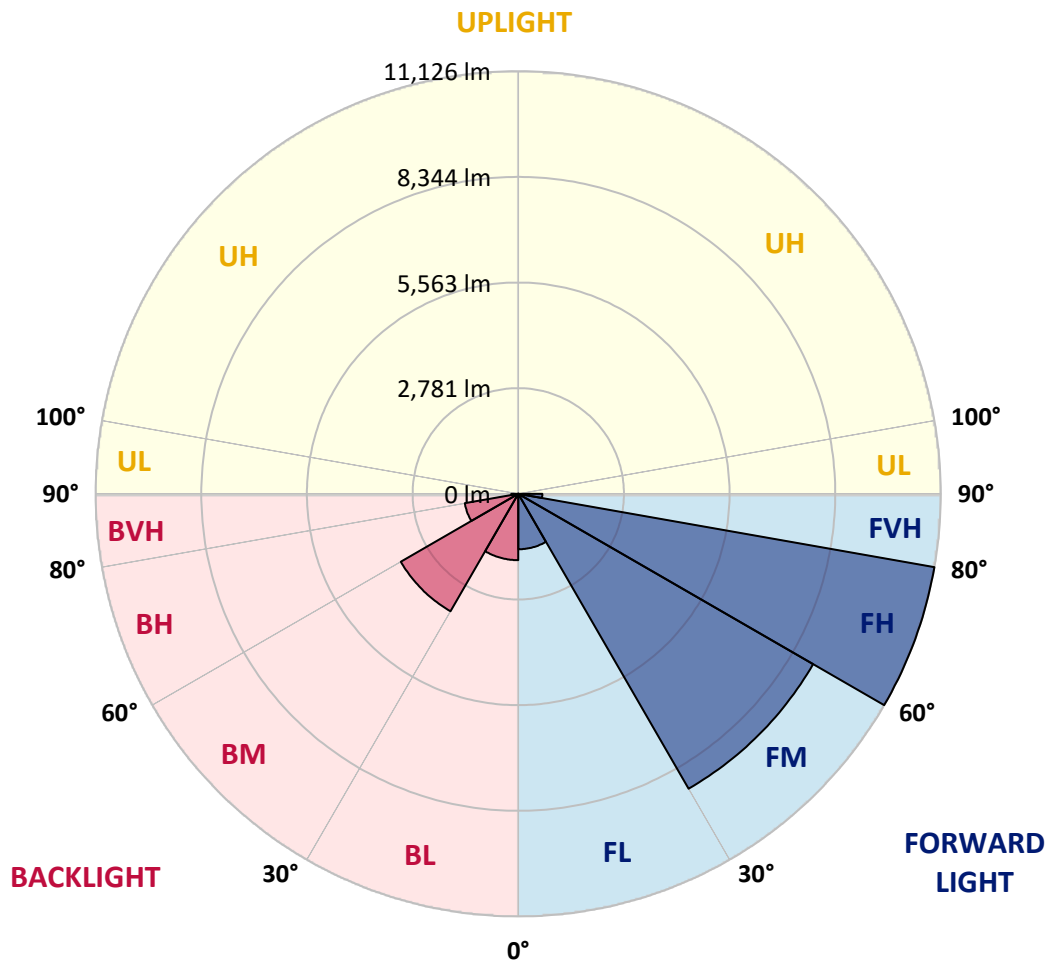


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1459.9	5.0			
FM (30°-60°)	8964.6	30.8			
FH (60°-80°)	11125.8	38.2			G4/12000
FVH (80°-90°)	633.1	2.2			G4/750
BL (0°-30°)	1745.9	6.0	B3/2500		
BM (30°-60°)	3569.6	12.3	B3/5000		
BH (60°-80°)	1428.3	4.9	B3/2500		G3/2500
BVH (80°-90°)	184.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3879.2	3879.2	3879.2	3879.2	3879.2	3879.2	3879.2	3879.2	3879.2	3879.2
2.5°	3577.1	3599.1	3608.6	3603.8	3627.4	3624.3	3657.3	3698.3	3754.9	3810.0
5°	3301.7	3325.3	3345.7	3364.6	3410.3	3424.4	3476.4	3555.0	3658.9	3764.4
7.5°	3045.2	3065.6	3097.1	3131.7	3208.8	3223.0	3309.5	3432.3	3577.1	3731.3
10°	2835.9	2856.3	2889.4	2928.7	3024.7	3042.0	3152.2	3315.8	3504.7	3699.8
12.5°	2746.2	2752.4	2771.3	2810.7	2894.1	2905.1	3026.3	3213.6	3433.9	3676.2
15°	2741.4	2754.0	2755.6	2776.1	2845.3	2850.0	2961.8	3147.5	3389.8	3671.5
17.5°	2788.6	2798.1	2783.9	2796.5	2854.7	2862.6	2950.7	3116.0	3375.6	3692.0
20°	2914.5	2922.4	2879.9	2862.6	2905.1	2911.4	2998.0	3136.4	3389.8	3734.5
22.5°	3182.1	3186.8	3082.9	3012.1	3015.3	3018.4	3093.9	3219.8	3444.9	3811.6
25°	3599.1	3596.0	3430.7	3293.8	3215.1	3197.8	3248.2	3355.2	3537.7	3913.9
27.5°	4087.0	4063.4	3898.1	3693.5	3522.0	3496.8	3485.8	3531.4	3669.9	4049.2
30°	4637.8	4615.7	4437.9	4170.4	3932.7	3891.8	3788.0	3764.4	3866.6	4233.3
32.5°	5242.1	5227.9	5015.5	4691.3	4373.4	4326.2	4151.5	4088.5	4168.8	4511.9
35°	5748.8	5736.2	5560.0	5226.3	4837.6	4779.4	4601.6	4530.8	4571.7	4869.1
37.5°	6206.8	6200.5	6049.4	5786.6	5385.3	5314.5	5114.6	5091.0	5083.1	5339.7
40°	6631.7	6615.9	6458.6	6320.1	6022.7	5958.1	5781.9	5761.4	5701.6	5918.8
42.5°	7102.2	7061.3	6833.1	6768.6	6688.3	6634.8	6529.4	6532.5	6400.3	6571.9
45°	7486.2	7462.6	7228.1	7190.4	7276.9	7254.9	7346.2	7369.8	7113.2	7256.5
47.5°	7898.5	7876.5	7678.2	7651.5	7885.9	7892.2	8214.9	8222.7	7808.8	7967.8
50°	8406.9	8375.4	8178.7	8211.7	8474.5	8498.1	9088.3	9034.8	8449.3	8690.1
52.5°	8742.1	8760.9	8718.4	8772.0	9130.8	9152.8	9947.5	9810.6	9083.6	9403.0
55°	8989.1	9026.9	9159.1	9281.8	9823.2	9845.2	10758.0	10548.7	9609.2	10064.0
57.5°	9307.0	9253.5	9500.6	9739.8	10481.0	10539.3	11546.4	11260.0	10075.0	10633.7
60°	9763.4	9725.6	9917.6	10271.7	11217.5	11310.4	12380.5	11900.5	10416.5	11085.3
62.5°	10688.8	10594.3	10624.2	10937.4	12146.0	12268.8	13321.6	12459.2	10586.5	11261.6
65°	12072.1	11910.0	11758.9	11976.1	13453.8	13575.0	14383.9	12898.3	10523.5	10920.1
67.5°	13814.2	13653.7	13468.0	13672.5	15380.0	15476.0	15694.8	13145.3	10027.8	9604.5
70°	15251.0	15191.2	15413.1	16255.0	18456.7	18459.8	17375.5	12940.8	8669.7	6809.5
72.5°	15060.6	15024.4	16193.7	18796.6	22334.3	22250.9	18966.6	11392.2	5840.1	3071.9
75°	12355.3	12589.8	14401.2	18751.0	23727.1	23716.1	17992.4	7242.3	2415.7	1273.1
77.5°	6625.4	6996.8	9349.5	13844.1	18522.8	18801.3	12649.6	2533.7	1037.1	815.2
80°	2160.7	2484.9	3726.6	7048.7	12035.9	11983.9	5421.5	994.6	709.8	577.6
82.5°	917.5	955.3	1665.0	3328.4	6176.9	6080.9	1726.4	571.3	498.9	395.0
85°	358.8	401.3	734.9	1539.1	2675.3	2617.1	623.2	283.3	319.5	258.1
87.5°	118.0	143.2	262.8	527.2	832.5	802.6	152.7	97.6	138.5	118.0
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°
3879.2	0°	3879.2	3879.2	3879.2	3879.2	3879.2	3879.2	3879.2	3879.2	3879.2	3879.2
3890.3	2.5°	3912.3	3937.5	3967.4	4011.4	4049.2	4080.7	4113.7	4134.2	4142.1	4165.7
3896.5	5°	3940.6	3995.7	4069.7	4142.1	4212.9	4255.4	4293.1	4312.0	4329.3	4341.9
3913.9	7.5°	3987.8	4058.6	4175.1	4269.5	4329.3	4363.9	4389.1	4382.8	4389.1	4392.3
3932.7	10°	4028.7	4127.9	4266.4	4356.1	4401.7	4403.3	4397.0	4375.0	4363.9	4365.5
3961.1	12.5°	4077.5	4187.7	4337.2	4412.7	4425.3	4390.7	4363.9	4326.2	4312.0	4305.7
4003.6	15°	4143.6	4269.5	4414.3	4442.6	4411.2	4367.1	4321.5	4260.1	4228.6	4203.4
4076.0	17.5°	4223.9	4362.4	4474.1	4453.6	4386.0	4313.6	4239.6	4146.8	4082.2	4055.5
4175.1	20°	4335.6	4459.9	4519.7	4430.0	4327.7	4217.6	4091.7	3978.4	3918.6	3891.8
4301.0	22.5°	4471.0	4590.6	4563.8	4389.1	4244.3	4068.1	3910.7	3827.3	3797.4	3778.5
4463.1	25°	4633.1	4735.3	4595.3	4329.3	4107.4	3869.8	3748.6	3721.9	3707.7	3693.5
4661.4	27.5°	4843.9	4899.0	4618.9	4241.2	3893.4	3658.9	3614.9	3619.6	3614.9	3591.2
4936.8	30°	5122.5	5111.5	4640.9	4098.0	3647.9	3468.5	3471.6	3492.1	3495.2	3479.5
5320.8	32.5°	5489.2	5377.4	4651.9	3912.3	3413.4	3301.7	3304.8	3326.9	3342.6	3315.8
5822.8	35°	5933.0	5687.5	4634.6	3679.4	3232.4	3142.7	3119.1	3125.4	3130.1	3105.0
6431.8	37.5°	6450.7	6035.2	4557.5	3421.3	3082.9	2986.9	2936.6	2894.1	2868.9	2845.3
7121.1	40°	7018.8	6414.5	4415.9	3169.5	2916.1	2821.7	2746.2	2665.9	2580.9	2549.4
7851.3	42.5°	7613.7	6804.8	4244.3	2928.7	2724.1	2647.0	2566.7	2450.3	2322.8	2258.3
8609.9	45°	8230.6	7204.5	4076.0	2691.1	2527.4	2494.4	2401.5	2261.4	2123.0	2041.1
9370.0	47.5°	8834.9	7582.2	3828.9	2451.9	2343.3	2379.5	2307.1	2178.0	2023.8	1894.8
10123.8	50°	9412.5	7936.3	3424.4	2209.5	2193.8	2344.9	2275.6	2089.9	1913.7	1748.4
10863.4	52.5°	9985.3	8222.7	2906.7	1989.2	2113.5	2335.4	2234.7	2030.1	1814.5	1641.4
11559.0	55°	10471.6	8370.7	2407.8	1800.3	1997.1	2255.2	2185.9	1959.3	1674.4	1490.3
12035.9	57.5°	10748.6	8251.1	1992.3	1614.6	1836.5	2123.0	2102.5	1808.2	1507.6	1366.0
12128.7	60°	10629.0	7766.3	1652.4	1452.6	1683.9	1979.7	1957.7	1658.7	1380.2	1246.4
11631.4	62.5°	9969.6	6842.6	1383.3	1310.9	1545.4	1833.4	1812.9	1543.8	1282.6	1153.5
10311.1	65°	8641.3	5566.3	1174.0	1192.9	1405.3	1657.1	1687.0	1447.8	1205.5	1079.6
7977.2	67.5°	6590.8	4031.9	1010.3	1090.6	1268.4	1484.0	1570.6	1378.6	1141.0	1021.3
4615.7	70°	3756.5	2289.8	871.8	991.4	1147.2	1323.5	1480.9	1323.5	1071.7	972.6
1729.5	72.5°	1424.2	1051.2	753.8	892.3	1030.8	1188.2	1381.7	1236.9	991.4	917.5
893.9	75°	760.1	640.5	634.2	775.8	897.0	1056.0	1257.4	1152.0	931.6	969.4
618.5	77.5°	517.8	453.2	530.3	664.1	750.7	909.6	1125.2	1022.9	807.3	804.2
428.1	80°	358.8	321.0	431.2	535.1	580.7	764.8	982.0	878.1	657.8	613.8
264.4	82.5°	215.6	209.3	322.6	399.7	410.7	590.1	813.6	736.5	538.2	469.0
157.4	85°	118.0	124.3	206.2	234.5	239.2	412.3	637.4	569.7	413.9	347.8
56.7	87.5°	33.0	42.5	75.5	92.8	114.9	214.0	379.3	338.4	207.7	144.8
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



<u>180°</u>
3879.2
4164.1
4345.1
4397.0
4368.7
4302.6
4211.3
4057.1
3888.7
3781.7
3693.5
3596.0
3487.4
3328.4
3122.3
2861.0
2563.6
2266.2
2034.8
1880.6
1734.2
1622.5
1474.6
1347.1
1227.5
1133.1
1059.1
1002.5
960.0
904.9
<i>1000.9</i>
741.2
587.0
472.1
350.9
144.8
0.0

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