

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: P852719

Luminaire Tested: **GLAN-SB5D-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852719
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-SB5D-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32718 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

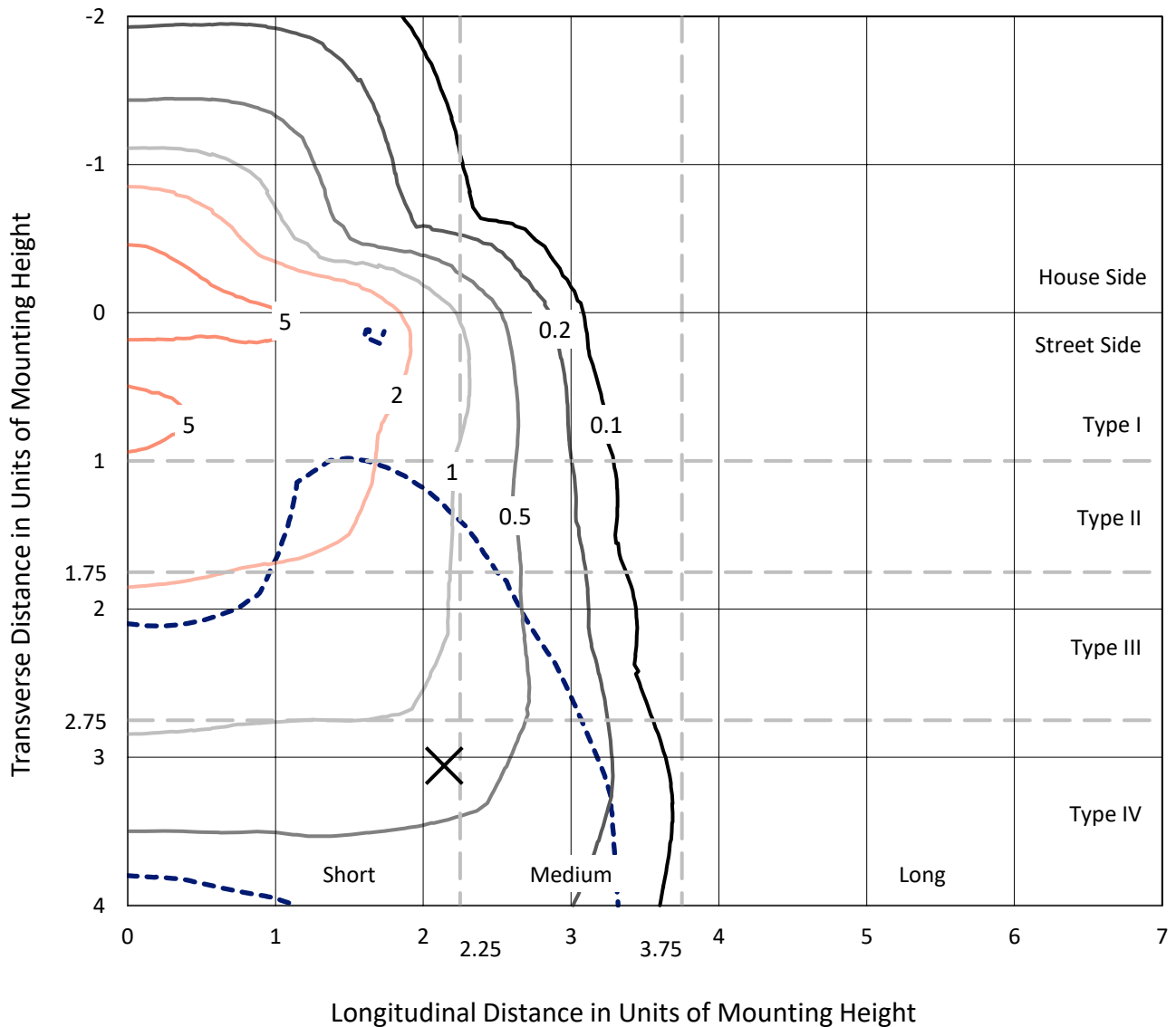
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

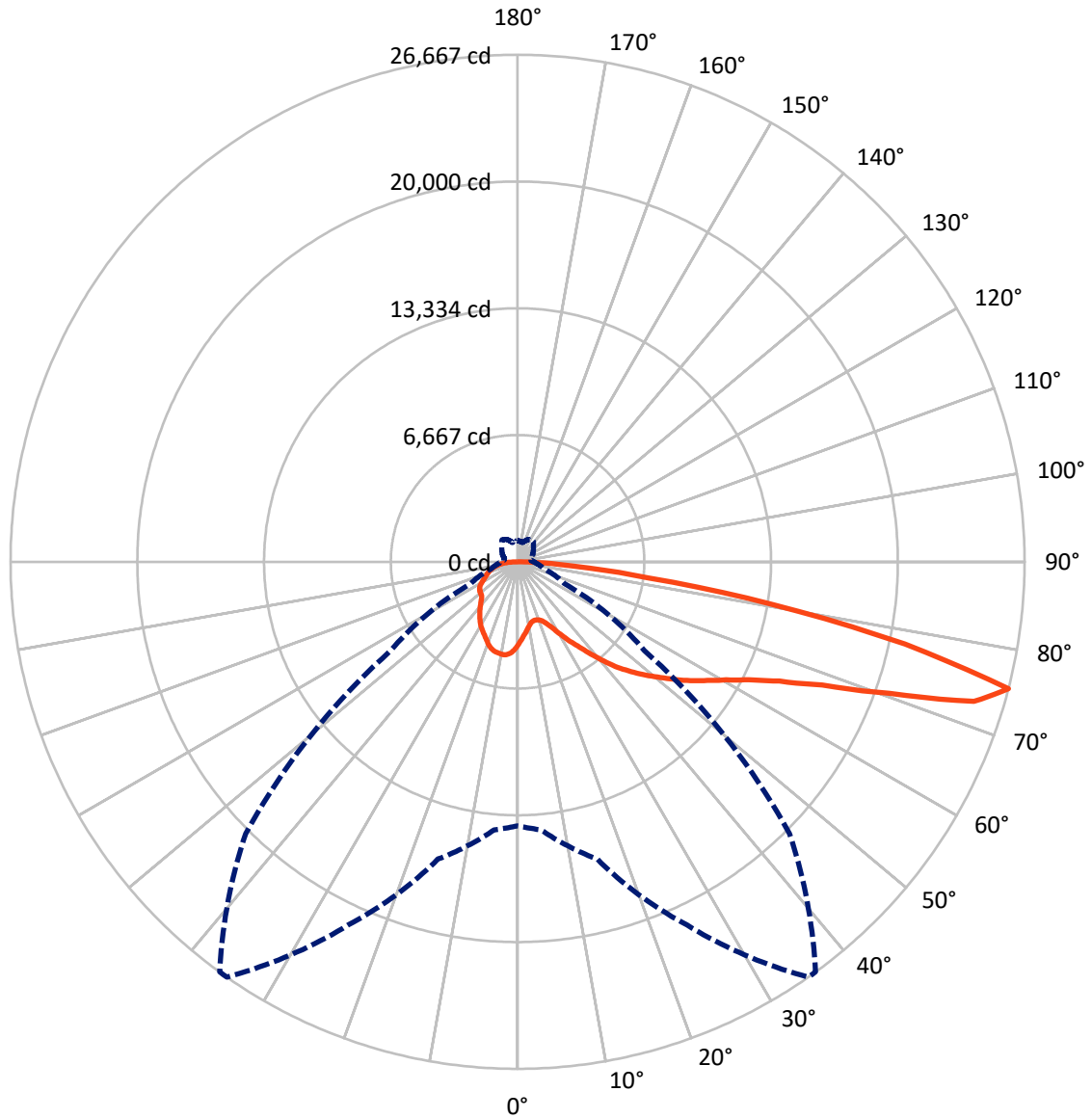
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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
House Side	Lumens	7786.1	0.0	7786.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	24931.9	0.0	24931.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	32718.0	0.0	32718.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.8	1.3
10°-20°	1190.7	3.6
20°-30°	1999.5	6.1
30°-40°	3107.4	9.5
40°-50°	4612.3	14.1
50°-60°	6367.5	19.5
60°-70°	7725.2	23.6
70°-80°	6384.3	19.5
80°-90°	918.3	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°	32718.0	100.0
0°-180°	32718.0	100.0

Coefficient of Utilization



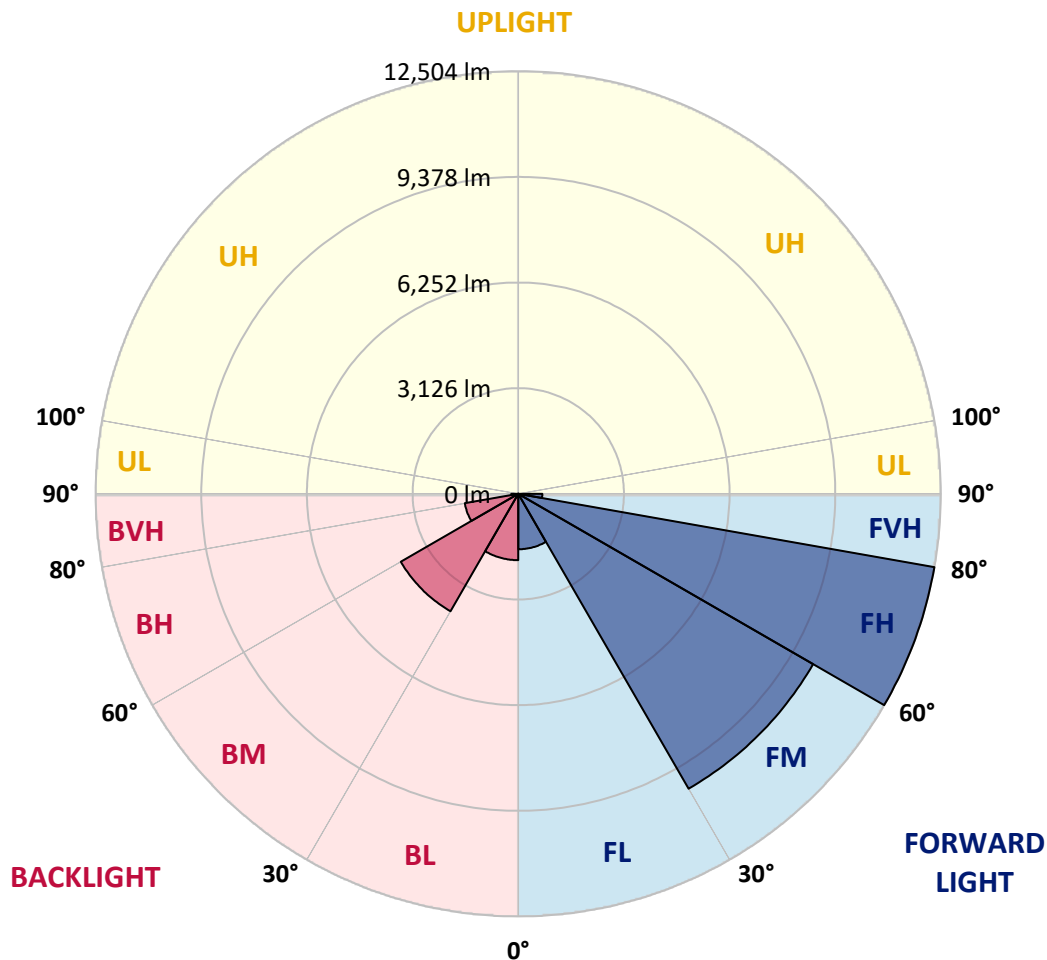
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1640.7	5.0			
FM (30°-60°)	10075.4	30.8			
FH (60°-80°)	12504.3	38.2			G5
FVH (80°-90°)	711.5	2.2			G4/750
BL (0°-30°)	1962.2	6.0	B3/2500		
BM (30°-60°)	4011.9	12.3	B3/5000		
BH (60°-80°)	1605.3	4.9	B3/2500		G3/2500
BVH (80°-90°)	206.8	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4359.9	4359.9	4359.9	4359.9	4359.9	4359.9	4359.9	4359.9	4359.9	4359.9
2.5°	4020.3	4045.1	4055.7	4050.4	4076.9	4073.4	4110.5	4156.5	4220.2	4282.1
5°	3710.8	3737.3	3760.3	3781.5	3832.8	3848.7	3907.1	3995.5	4112.3	4230.8
7.5°	3422.5	3445.5	3480.8	3519.8	3606.4	3622.3	3719.6	3857.6	4020.3	4193.6
10°	3187.2	3210.2	3247.4	3291.6	3399.5	3418.9	3542.7	3726.7	3938.9	4158.3
12.5°	3086.4	3093.5	3114.7	3158.9	3252.7	3265.1	3401.2	3611.7	3859.3	4131.7
15°	3081.1	3095.3	3097.0	3120.0	3197.8	3203.2	3328.7	3537.4	3809.8	4126.4
17.5°	3134.2	3144.8	3128.9	3143.0	3208.5	3217.3	3316.4	3502.1	3793.9	4149.4
20°	3275.7	3284.5	3236.8	3217.3	3265.1	3272.1	3369.4	3525.1	3809.8	4197.2
22.5°	3576.4	3581.7	3464.9	3385.3	3388.9	3392.4	3477.3	3618.8	3871.7	4283.8
25°	4045.1	4041.5	3855.8	3701.9	3613.5	3594.0	3650.6	3770.9	3976.1	4398.8
27.5°	4593.4	4566.8	4381.1	4151.2	3958.4	3930.1	3917.7	3969.0	4124.7	4550.9
30°	5212.4	5187.7	4987.8	4687.1	4420.0	4374.0	4257.3	4230.8	4345.7	4757.9
32.5°	5891.6	5875.7	5636.9	5272.6	4915.3	4862.2	4665.9	4595.1	4685.3	5070.9
35°	6461.1	6447.0	6248.9	5873.9	5437.0	5371.6	5171.7	5092.1	5138.1	5472.4
37.5°	6975.8	6968.8	6799.0	6503.6	6052.6	5973.0	5748.3	5721.8	5713.0	6001.3
40°	7453.4	7435.7	7258.8	7103.2	6768.9	6696.4	6498.3	6475.3	6408.1	6652.2
42.5°	7982.2	7936.2	7679.8	7607.3	7517.1	7456.9	7338.4	7342.0	7193.4	7386.2
45°	8413.8	8387.3	8123.7	8081.3	8178.6	8153.8	8256.4	8282.9	7994.6	8155.6
47.5°	8877.2	8852.4	8629.6	8599.5	8863.1	8870.1	9232.7	9241.6	8776.4	8955.0
50°	9448.5	9413.1	9192.0	9229.2	9524.6	9551.1	10214.4	10154.2	9496.3	9766.9
52.5°	9825.2	9846.5	9798.7	9858.8	10262.1	10286.9	11180.1	11026.2	10209.1	10568.1
55°	10102.9	10145.4	10294.0	10431.9	11040.4	11065.1	12091.0	11855.7	10799.8	11311.0
57.5°	10460.2	10400.1	10677.8	10946.6	11779.7	11845.1	12977.1	12655.2	11323.3	11951.2
60°	10973.1	10930.7	11146.5	11544.4	12607.4	12711.8	13914.5	13375.1	11707.2	12458.9
62.5°	12013.1	11907.0	11940.6	12292.6	13651.0	13788.9	14972.2	14003.0	11898.2	12657.0
65°	13567.9	13385.7	13215.9	13460.0	15120.8	15257.0	16166.1	14496.4	11827.4	12273.1
67.5°	15525.8	15345.4	15136.7	15366.6	17285.7	17393.6	17639.4	14774.1	11270.3	10794.5
70°	17140.7	17073.5	17322.8	18269.1	20743.5	20747.1	19528.4	14544.2	9743.9	7653.3
72.5°	16926.7	16886.0	18200.1	21125.6	25101.7	25007.9	21316.6	12803.8	6563.7	3452.5
75°	13886.2	14149.8	16185.6	21074.3	26667.0	26654.6	20221.8	8139.6	2715.0	1430.9
77.5°	7446.3	7863.7	10508.0	15559.4	20817.8	21130.9	14217.0	2847.6	1165.6	916.2
80°	2428.5	2792.8	4188.3	7922.1	13527.2	13468.8	6093.2	1117.8	797.7	649.1
82.5°	1031.2	1073.6	1871.3	3740.8	6942.2	6834.3	1940.3	642.0	560.7	443.9
85°	403.3	451.0	826.0	1729.8	3006.8	2941.4	700.4	318.4	359.1	290.1
87.5°	132.7	161.0	295.4	592.5	935.7	902.0	171.6	109.7	155.6	132.7
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°
4359.9	0°	4359.9	4359.9	4359.9	4359.9	4359.9	4359.9	4359.9	4359.9	4359.9	4359.9
4372.3	2.5°	4397.0	4425.3	4458.9	4508.5	4550.9	4586.3	4623.4	4646.4	4655.3	4681.8
4379.4	5°	4428.9	4490.8	4573.9	4655.3	4734.9	4782.6	4825.1	4846.3	4865.7	4879.9
4398.8	7.5°	4481.9	4561.5	4692.4	4798.5	4865.7	4904.7	4933.0	4925.9	4933.0	4936.5
4420.0	10°	4527.9	4639.4	4795.0	4895.8	4947.1	4948.9	4941.8	4917.0	4904.7	4906.4
4451.9	12.5°	4582.8	4706.6	4874.6	4959.5	4973.6	4934.7	4904.7	4862.2	4846.3	4839.2
4499.6	15°	4657.0	4798.5	4961.3	4993.1	4957.7	4908.2	4856.9	4787.9	4752.6	4724.3
4581.0	17.5°	4747.2	4902.9	5028.5	5005.5	4929.4	4848.1	4764.9	4660.6	4588.1	4558.0
4692.4	20°	4872.8	5012.6	5079.8	4978.9	4864.0	4740.2	4598.7	4471.3	4404.1	4374.0
4833.9	22.5°	5024.9	5159.4	5129.3	4933.0	4770.2	4572.1	4395.3	4301.5	4267.9	4246.7
5016.1	25°	5207.1	5322.1	5164.7	4865.7	4616.4	4349.3	4213.1	4183.0	4167.1	4151.2
5238.9	27.5°	5444.1	5506.0	5191.2	4766.7	4375.8	4112.3	4062.7	4068.1	4062.7	4036.2
5548.5	30°	5757.2	5744.8	5216.0	4605.7	4099.9	3898.3	3901.8	3924.8	3928.3	3910.6
5980.0	32.5°	6169.3	6043.7	5228.3	4397.0	3836.4	3710.8	3714.3	3739.1	3756.8	3726.7
6544.3	35°	6668.1	6392.2	5208.9	4135.3	3633.0	3532.1	3505.6	3512.7	3518.0	3489.7
7228.8	37.5°	7250.0	6783.0	5122.2	3845.2	3464.9	3357.0	3300.4	3252.7	3224.4	3197.8
8003.5	40°	7888.5	7209.3	4963.0	3562.2	3277.4	3171.3	3086.4	2996.2	2900.7	2865.3
8824.1	42.5°	8557.1	7647.9	4770.2	3291.6	3061.7	2975.0	2884.8	2753.9	2610.6	2538.1
9676.7	45°	9250.4	8097.2	4581.0	3024.5	2840.6	2803.4	2699.1	2541.7	2386.0	2294.0
10531.0	47.5°	9929.6	8521.7	4303.3	2755.7	2633.6	2674.3	2592.9	2447.9	2274.6	2129.5
11378.2	50°	10578.7	8919.7	3848.7	2483.3	2465.6	2635.4	2557.6	2348.9	2150.8	1965.0
12209.5	52.5°	11222.5	9241.6	3266.8	2235.7	2375.4	2624.8	2511.6	2281.6	2039.3	1844.8
12991.2	55°	11769.1	9407.8	2706.1	2023.4	2244.5	2534.6	2456.8	2202.1	1881.9	1675.0
13527.2	57.5°	12080.4	9273.4	2239.2	1814.7	2064.1	2386.0	2363.0	2032.3	1694.4	1535.2
13631.5	60°	11945.9	8728.6	1857.2	1632.5	1892.5	2225.0	2200.3	1864.2	1551.2	1400.8
13072.6	62.5°	11204.8	7690.4	1554.7	1473.3	1736.9	2060.6	2037.6	1735.1	1441.5	1296.5
11588.7	65°	9712.0	6256.0	1319.5	1340.7	1579.5	1862.5	1896.1	1627.2	1354.8	1213.3
8965.6	67.5°	7407.4	4531.5	1135.5	1225.7	1425.6	1667.9	1765.2	1549.4	1282.3	1147.9
5187.7	70°	4221.9	2573.5	979.9	1114.3	1289.4	1487.5	1664.4	1487.5	1204.5	1093.1
1943.8	72.5°	1600.7	1181.5	847.2	1002.9	1158.5	1335.4	1552.9	1390.2	1114.3	1031.2
1004.6	75°	854.3	719.9	712.8	872.0	1008.2	1186.8	1413.2	1294.7	1047.1	1089.5
695.1	77.5°	581.9	509.4	596.1	746.4	843.7	1022.3	1264.6	1149.7	907.4	903.8
481.1	80°	403.3	360.8	484.6	601.4	652.7	859.6	1103.7	986.9	739.3	689.8
297.1	82.5°	242.3	235.2	362.6	449.3	461.6	663.3	914.4	827.8	604.9	527.1
176.9	85°	132.7	139.7	231.7	263.5	268.8	463.4	716.3	640.3	465.2	390.9
63.7	87.5°	37.1	47.8	84.9	104.4	129.1	240.5	426.3	380.3	233.5	162.7
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>
4359.9
4680.0
4883.4
4941.8
4910.0
4835.7
4733.1
4559.8
4370.5
4250.2
4151.2
4041.5
3919.5
3740.8
3509.1
3215.5
2881.2
2547.0
2287.0
2113.6
1949.1
1823.6
1657.3
1514.0
1379.6
1273.5
1190.3
1126.7
1078.9
1017.0
1124.9
833.1
659.7
530.6
394.4
162.7
0.0

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