

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: P851336

Luminaire Tested: **GLAN-SB9B-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49870 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

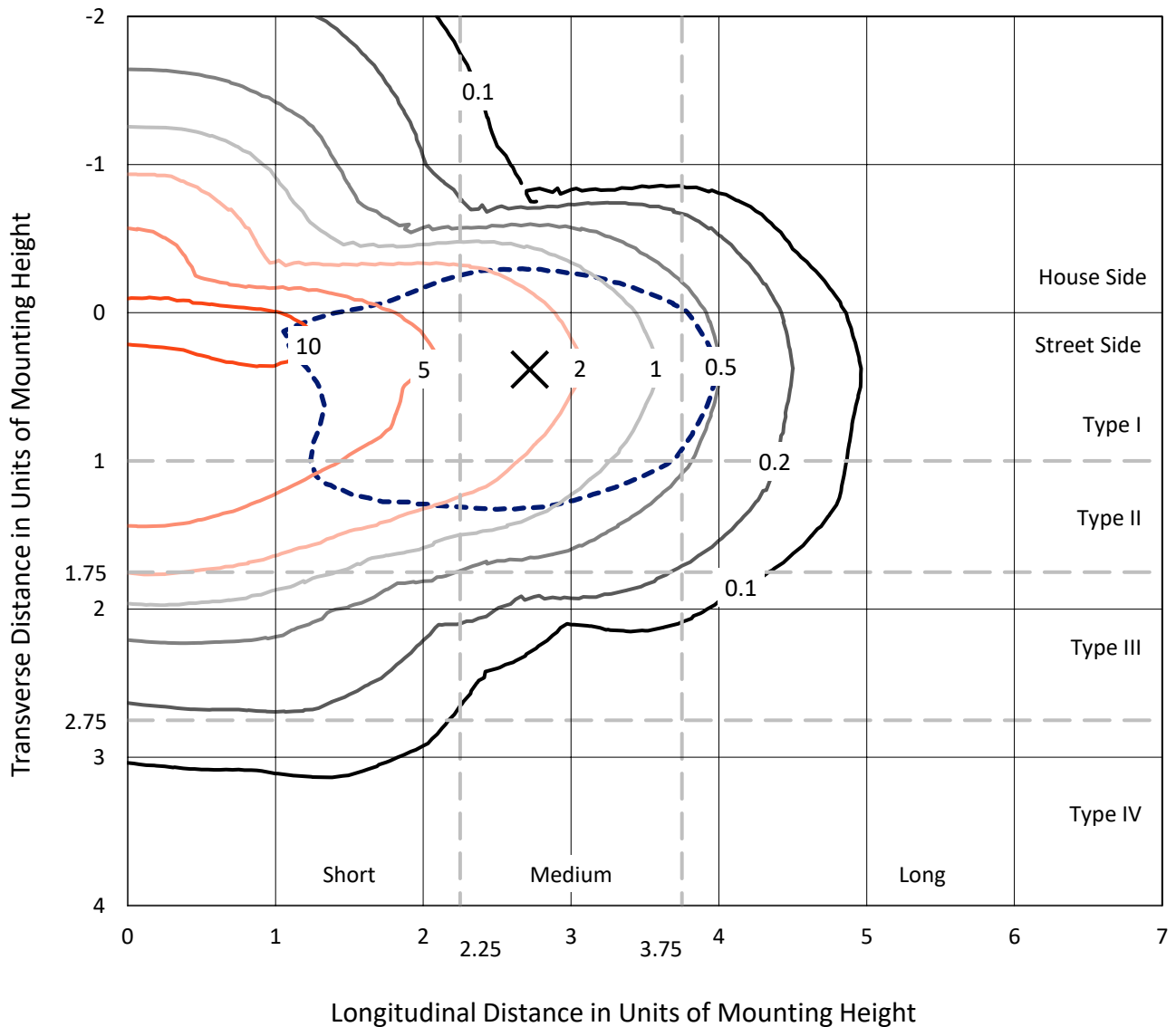
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

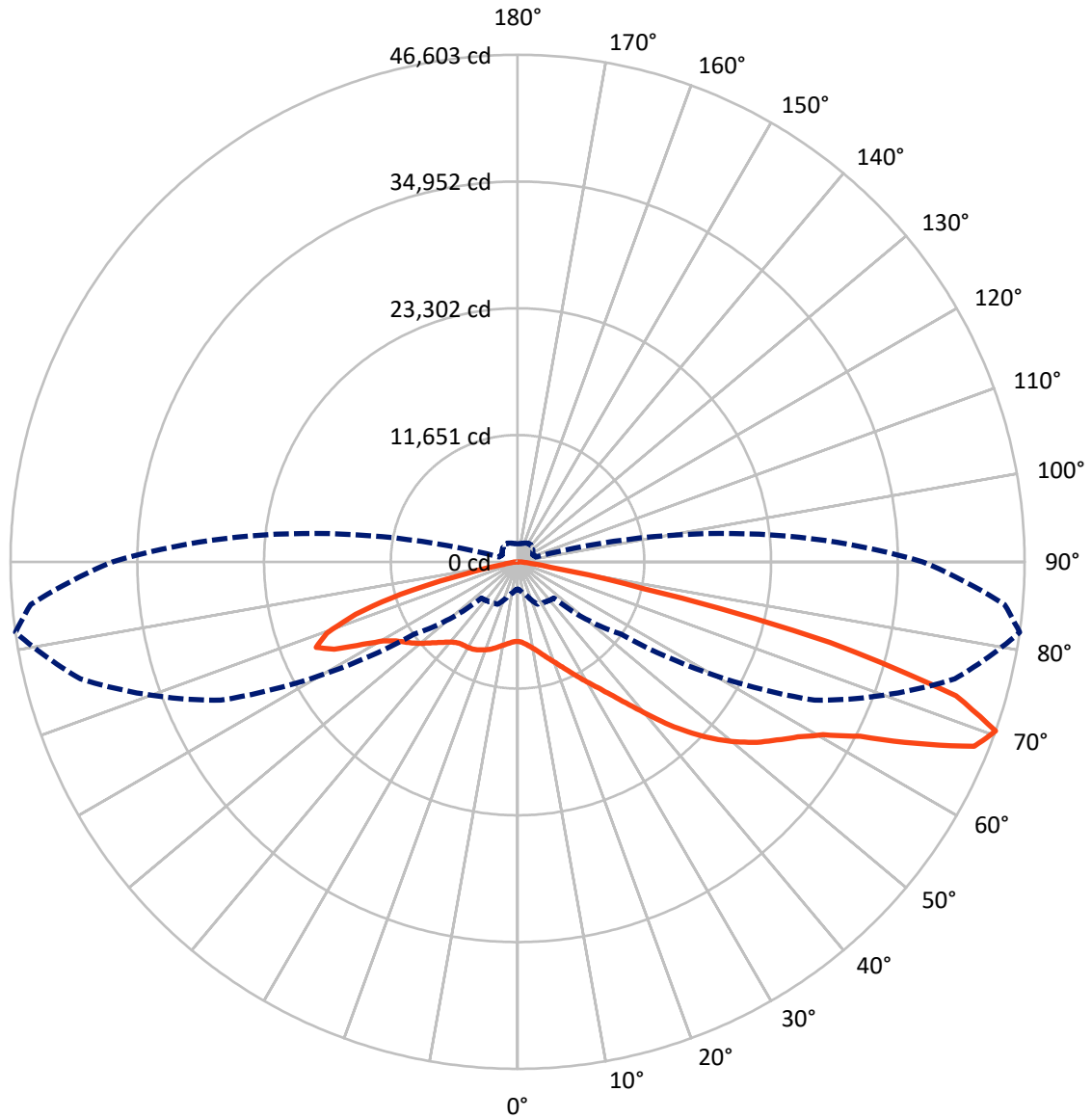
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12294.2	0.0	12294.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	37575.8	0.0	37575.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	49870.0	0.0	49870.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.3	1.4
10°-20°	1983.4	4.0
20°-30°	3318.0	6.7
30°-40°	5183.6	10.4
40°-50°	8255.5	16.6
50°-60°	11488.5	23.0
60°-70°	12017.5	24.1
70°-80°	6281.0	12.6
80°-90°	652.2	1.3
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°	49870.0	100.0
0°-180°	49870.0	100.0

Coefficient of Utilization



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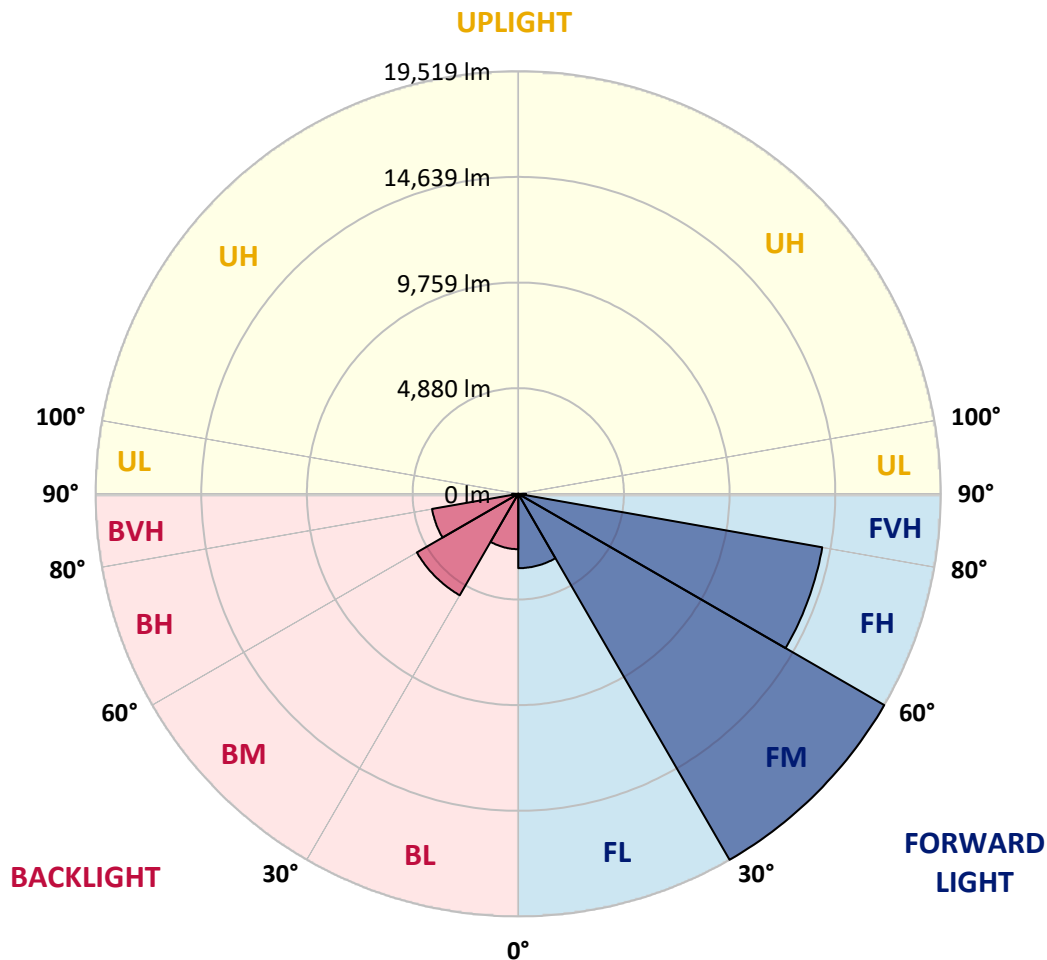
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3434.1	6.9			
FM (30°-60°)	19518.6	39.1			
FH (60°-80°)	14258.0	28.6			G5
FVH (80°-90°)	365.1	0.7			G3/500
BL (0°-30°)	2557.6	5.1	B4/5000		
BM (30°-60°)	5409.0	10.8	B4/8500		
BH (60°-80°)	4040.5	8.1	B4/5000		G4/5000
BVH (80°-90°)	287.1	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7311.6	7311.6	7311.6	7311.6	7311.6	7311.6	7311.6	7311.6	7311.6	7311.6
2.5°	7486.2	7528.6	7515.3	7502.1	7502.1	7483.6	7480.9	7454.5	7433.3	7398.9
5°	7581.5	7626.5	7621.2	7631.8	7666.2	7674.1	7682.0	7666.2	7623.8	7581.5
7.5°	7496.8	7547.1	7563.0	7626.5	7732.3	7827.6	7899.0	7928.1	7888.4	7827.6
10°	7211.0	7266.6	7322.2	7473.0	7660.9	7885.8	8076.3	8190.1	8182.2	8124.0
12.5°	6631.5	6689.7	6808.8	7102.5	7446.5	7843.5	8198.1	8436.2	8518.3	8475.9
15°	6168.4	6218.7	6308.6	6610.3	7057.5	7660.9	8243.0	8706.1	8915.2	8891.4
17.5°	6155.2	6176.3	6231.9	6374.8	6718.8	7375.1	8195.4	8970.8	9370.3	9367.7
20°	6388.0	6396.0	6427.7	6456.8	6652.7	7158.1	8073.7	9190.4	9881.1	9881.1
22.5°	6710.9	6705.6	6737.3	6710.9	6806.1	7139.6	7996.9	9383.6	10450.0	10492.3
25°	7195.1	7168.7	7160.7	7099.9	7118.4	7311.6	8081.6	9603.2	11124.8	11212.1
27.5°	7840.8	7798.5	7769.4	7629.1	7581.5	7666.2	8341.0	9867.8	11876.3	12027.2
30°	8682.3	8605.6	8563.2	8319.8	8147.8	8161.0	8732.6	10219.8	12662.3	12905.7
32.5°	9830.8	9711.7	9597.9	9198.3	8883.4	8780.2	9238.0	10706.7	13514.4	13903.4
35°	11116.9	11021.6	10899.9	10283.3	9799.0	9560.9	9920.8	11386.8	14512.0	15128.6
37.5°	12355.3	12273.3	12331.5	11500.6	10876.1	10529.4	10815.2	12299.7	15742.5	16652.8
40°	13636.1	13572.6	13580.5	12786.6	12058.9	11669.9	11900.1	13445.6	17152.9	18465.5
42.5°	15028.0	14980.4	14821.6	14117.7	13300.0	12937.5	13149.2	14768.7	18666.6	20529.5
45°	16586.6	16557.5	16409.3	15602.2	14665.5	14257.9	14543.7	16229.4	20188.2	22471.9
47.5°	17933.6	17957.4	17938.9	17258.8	16287.6	15689.6	16030.9	17753.6	21603.9	24297.8
50°	18581.9	18706.3	18888.9	18677.2	18073.8	17465.2	17531.4	19224.9	22953.5	26009.9
52.5°	18243.2	18478.7	18976.2	19314.9	19547.8	19420.8	19243.5	20685.7	24223.7	27555.3
55°	16980.9	17311.7	18137.3	18955.0	20143.2	21066.7	21299.6	22305.2	25462.1	28915.5
57.5°	14681.3	15218.5	15959.5	17613.4	19613.9	21863.2	23697.1	24551.8	26774.7	30368.3
60°	10738.4	11458.2	12379.1	14840.1	17761.6	21437.2	25737.3	28002.5	28640.3	32249.7
62.5°	6872.3	7316.9	8163.7	10481.8	13839.8	19254.1	26361.9	32315.9	31802.5	35335.3
65°	4705.0	4990.8	5766.2	7068.1	8946.9	14332.0	24689.4	35549.6	36825.1	40225.5
67.5°	3418.9	3635.9	4297.5	5438.0	5829.7	8481.2	19158.8	35401.4	41707.4	45264.0
70°	2492.8	2646.2	3202.0	4297.5	4485.4	4718.2	11606.4	30093.1	41601.6	46603.0
72.5°	1847.1	1952.9	2326.0	3334.3	3630.6	3186.1	5745.0	21871.2	35748.1	42152.0
75°	1336.4	1415.7	1690.9	2551.0	2905.6	2426.6	2865.9	12781.3	24935.5	29651.1
77.5°	1021.4	1082.3	1262.3	1868.2	2326.0	1820.6	1778.3	5879.9	11823.4	11881.6
80°	820.3	860.0	957.9	1315.2	1783.6	1362.8	1159.1	2373.7	3736.5	3162.3
82.5°	603.3	669.5	809.7	923.5	1275.5	939.4	706.5	1198.7	1421.0	1222.6
85°	344.0	389.0	489.6	661.6	815.0	574.2	404.9	531.9	661.6	542.5
87.5°	121.7	158.8	172.0	259.3	354.6	238.2	156.1	153.5	217.0	161.4
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°
7311.6	0°	7311.6	7311.6	7311.6	7311.6	7311.6	7311.6	7311.6	7311.6	7311.6	7311.6
7391.0	2.5°	7364.5	7351.3	7298.3	7226.9	7152.8	7081.3	7057.5	7007.2	6972.8	6954.3
7563.0	5°	7512.7	7470.3	7346.0	7187.2	7020.5	6840.5	6713.5	6597.1	6512.4	6433.0
7798.5	7.5°	7724.4	7650.3	7435.9	7158.1	6861.7	6562.7	6340.4	6171.0	6057.2	5983.2
8073.7	10°	7970.5	7856.7	7528.6	7113.1	6655.3	6226.6	5964.6	5819.1	5747.6	5707.9
8388.6	12.5°	8253.6	8092.2	7623.8	7009.9	6340.4	5850.8	5670.9	5628.6	5631.2	5633.8
8785.5	15°	8602.9	8378.0	7700.6	6785.0	5930.2	5562.4	5530.6	5599.4	5670.9	5705.3
9235.4	17.5°	8997.2	8679.7	7713.8	6414.5	5528.0	5377.2	5477.7	5625.9	5734.4	5782.0
9738.2	20°	9420.6	8986.6	7618.5	5890.5	5197.2	5226.3	5406.3	5596.8	5715.9	5776.7
10312.4	22.5°	9904.9	9314.8	7391.0	5340.1	4927.3	5062.3	5274.0	5459.2	5583.6	5644.4
10987.2	25°	10457.9	9682.6	7033.7	4877.0	4694.4	4877.0	5088.7	5242.2	5342.8	5398.3
11741.4	27.5°	11071.9	10066.3	6557.4	4509.2	4490.7	4686.5	4861.1	4980.2	5033.2	5075.5
12543.2	30°	11688.4	10415.6	5980.5	4231.3	4313.4	4498.6	4623.0	4675.9	4691.8	4699.7
13437.6	32.5°	12355.3	10717.3	5374.5	4001.1	4144.0	4316.0	4390.1	4413.9	4339.8	4289.6
14522.6	35°	13162.4	11040.1	4781.8	3818.5	3977.3	4125.5	4149.3	4128.1	4040.8	3937.6
15882.7	37.5°	14160.0	11442.3	4308.1	3688.9	3821.2	3919.1	3890.0	3884.7	3892.6	3770.9
17518.1	40°	15382.6	11966.3	3961.4	3588.3	3694.2	3715.3	3633.3	3678.3	3718.0	3532.7
19312.3	42.5°	16740.1	12598.8	3741.8	3519.5	3588.3	3538.0	3411.0	3461.3	3456.0	3212.5
21114.4	45°	18124.1	13286.8	3665.0	3469.2	3490.4	3389.8	3249.6	3262.8	3151.7	2932.0
22842.4	47.5°	19500.2	14025.1	3712.7	3426.9	3368.7	3254.9	3146.4	3088.2	2924.1	2760.0
24498.9	50°	20849.7	14800.4	3887.3	3342.2	3202.0	3135.8	3056.4	2953.2	2778.6	2638.3
26065.5	52.5°	22101.4	15581.1	4083.2	3202.0	2992.9	3032.6	2982.3	2863.2	2691.2	2548.3
27547.4	55°	23286.9	16361.7	4159.9	3008.8	2797.1	2942.6	2913.5	2693.9	2487.5	2371.0
29098.1	57.5°	24578.3	17301.1	4075.2	2762.7	2638.3	2839.4	2728.3	2484.8	2365.7	2278.4
31117.2	60°	26367.2	18775.1	3892.6	2458.4	2487.5	2685.9	2495.4	2394.8	2265.2	2167.3
34144.5	62.5°	29338.9	21524.5	3598.9	2156.7	2310.2	2458.4	2384.3	2283.7	2151.4	2056.1
39320.5	65°	33731.6	25345.7	3045.8	1921.2	2111.7	2236.1	2265.2	2164.6	2027.0	1926.5
43856.2	67.5°	37436.4	27743.2	2304.9	1725.3	1907.9	2056.1	2138.2	2040.3	1894.7	1796.8
44917.3	70°	37232.6	26002.0	1759.8	1532.2	1728.0	1878.8	1984.7	1907.9	1751.8	1659.2
40799.8	72.5°	33070.1	21752.1	1423.7	1336.4	1545.4	1693.6	1820.6	1762.4	1603.6	1513.7
29889.3	75°	24295.1	15440.8	1137.9	1137.9	1317.8	1500.4	1640.7	1603.6	1458.1	1394.6
12548.5	77.5°	10241.0	6478.0	891.8	944.7	1095.5	1288.7	1463.4	1476.6	1349.6	1429.0
3318.4	80°	2723.0	1786.2	680.1	743.6	860.0	1063.8	1272.8	1267.5	1129.9	1055.9
1233.1	82.5°	1037.3	703.9	484.3	524.0	621.9	815.0	1008.2	1040.0	902.4	780.6
484.3	85°	399.6	301.7	299.0	314.9	362.5	539.8	762.1	788.6	680.1	576.9
135.0	87.5°	103.2	90.0	111.1	105.8	166.7	288.4	436.6	452.5	415.5	240.8
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>
7311.6
6975.5
6464.8
5999.0
5718.5
5639.1
5702.7
5792.6
5792.6
5660.3
5414.2
5091.4
4718.2
4305.4
3942.9
3778.8
3538.0
3209.9
2940.0
2760.0
2627.7
2551.0
2360.4
2270.5
2162.0
2056.1
1931.8
1799.4
1667.1
1513.7
1376.0
1296.7
981.8
780.6
595.4
344.0
0.0

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