

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: P850223

Luminaire Tested: **GLAN-SB7C-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45332 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

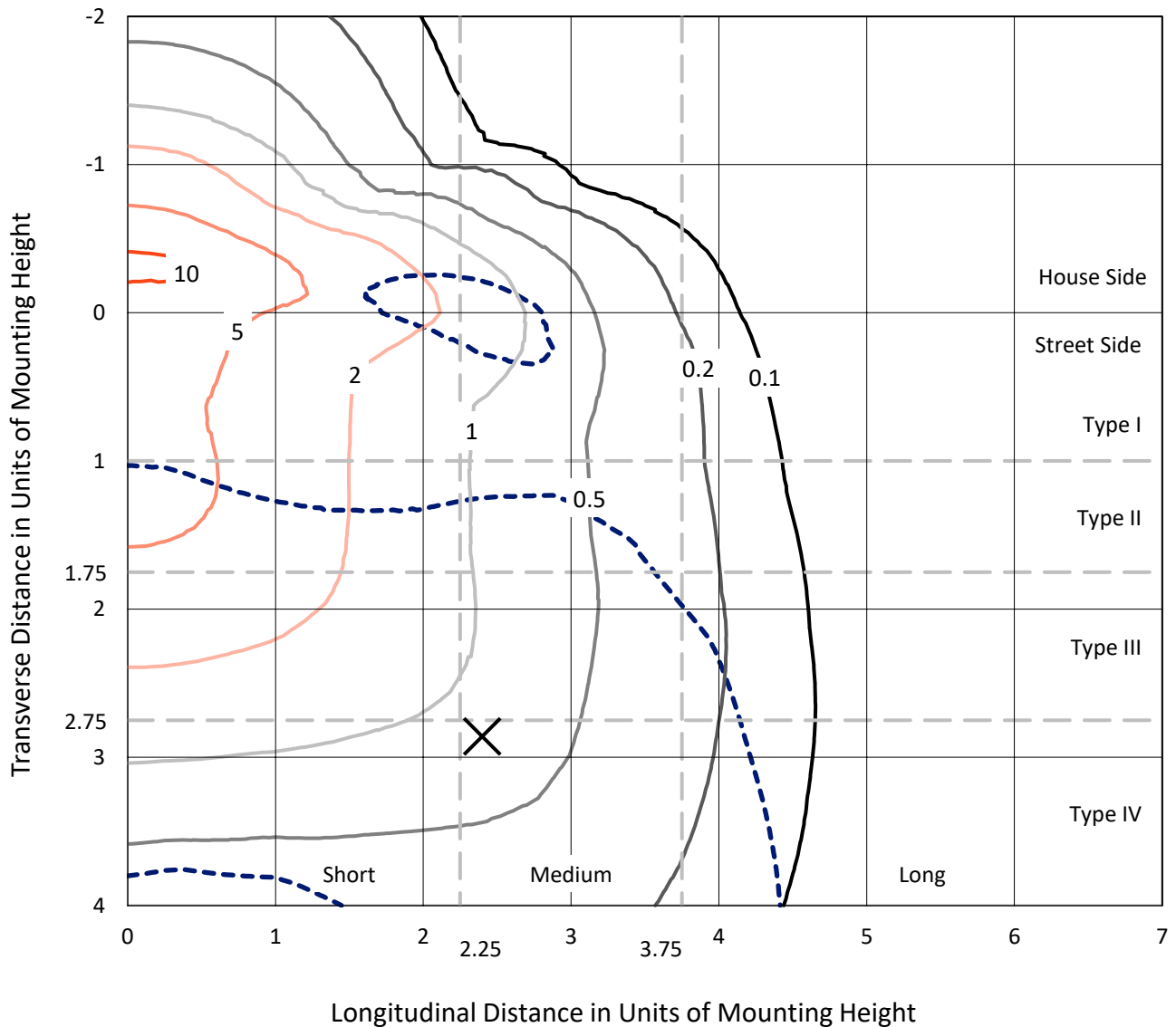
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

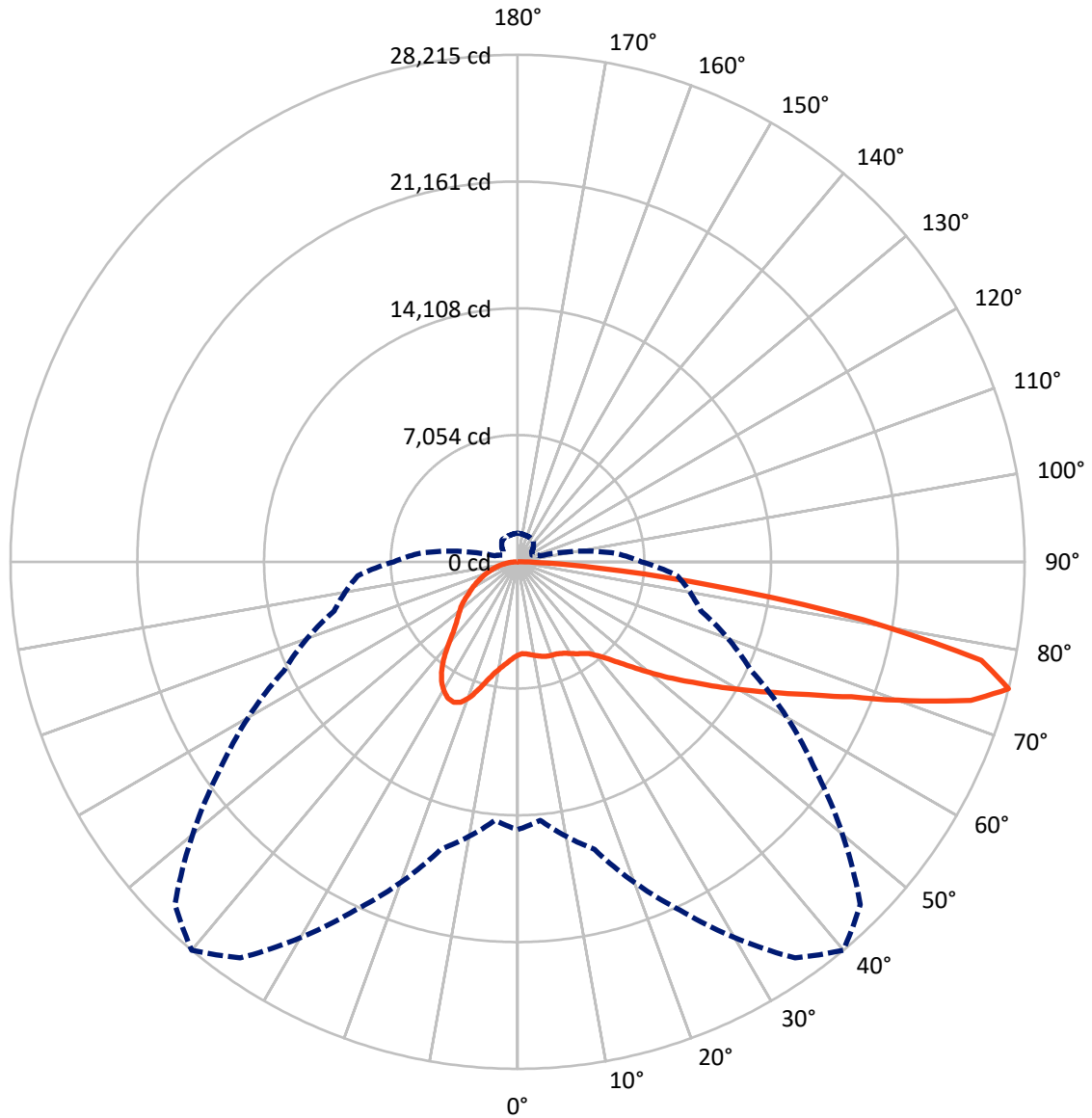
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14045.4	0.0	14045.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	31286.6	0.0	31286.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	45332.0	0.0	45332.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.4	1.1
10°-20°	1737.3	3.8
20°-30°	3172.1	7.0
30°-40°	4499.0	9.9
40°-50°	6074.9	13.4
50°-60°	8172.4	18.0
60°-70°	10372.7	22.9
70°-80°	9413.9	20.8
80°-90°	1372.2	3.0
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°	45332.0	100.0
0°-180°	45332.0	100.0

Coefficient of Utilization

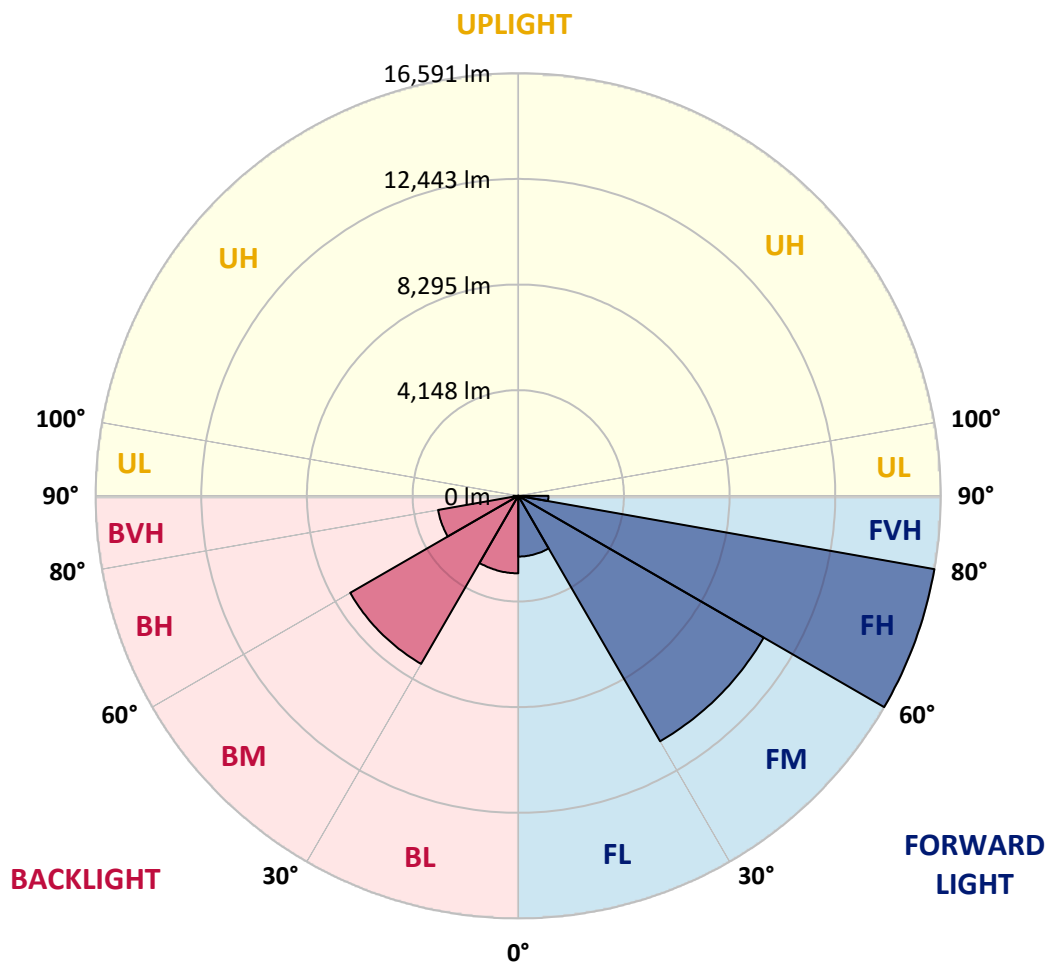


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2384.5	5.3			
FM (30°-60°)	11128.0	24.5			
FH (60°-80°)	16590.8	36.6			G5
FVH (80°-90°)	1183.3	2.6			G5
BL (0°-30°)	3042.4	6.7	B4/5000		
BM (30°-60°)	7618.3	16.8	B4/8500		
BH (60°-80°)	3195.7	7.0	B4/5000		G4/5000
BVH (80°-90°)	188.9	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5183.8	5183.8	5183.8	5183.8	5183.8	5183.8	5183.8	5183.8	5183.8	5183.8
2.5°	5104.4	5133.3	5126.1	5116.5	5116.5	5118.9	5116.5	5133.3	5150.1	5166.9
5°	5157.3	5186.2	5171.8	5159.7	5150.1	5147.7	5140.5	5138.1	5147.7	5169.3
7.5°	5260.7	5289.6	5267.9	5246.3	5227.1	5217.4	5207.8	5193.4	5186.2	5198.2
10°	5376.1	5405.0	5378.5	5340.1	5308.8	5296.8	5287.2	5272.7	5263.1	5270.3
12.5°	5491.5	5520.4	5484.3	5431.4	5390.5	5383.3	5371.3	5366.5	5364.1	5361.7
15°	5599.7	5623.8	5578.1	5515.6	5472.3	5460.3	5448.3	5455.5	5467.5	5481.9
17.5°	5683.9	5707.9	5640.6	5558.9	5518.0	5513.2	5506.0	5530.0	5563.7	5599.7
20°	5760.8	5784.9	5698.3	5587.7	5539.6	5539.6	5542.0	5592.5	5640.6	5693.5
22.5°	5869.0	5888.2	5782.5	5631.0	5561.3	5566.1	5585.3	5635.8	5695.9	5768.0
25°	6030.1	6044.5	5914.7	5712.7	5633.4	5647.8	5664.6	5688.7	5746.4	5830.5
27.5°	6289.8	6301.8	6131.1	5857.0	5736.8	5760.8	5784.9	5768.0	5794.5	5866.6
30°	6655.2	6662.4	6446.1	6083.0	5912.3	5924.3	5929.1	5859.4	5808.9	5866.6
32.5°	7088.0	7085.6	6828.3	6357.1	6111.9	6099.8	6059.0	5921.9	5804.1	5854.6
35°	7758.8	7732.4	7400.6	6741.8	6337.9	6263.3	6167.2	5991.6	5828.1	5842.6
37.5°	8869.6	8787.9	8328.7	7371.7	6674.5	6484.5	6342.7	6104.6	5881.0	5837.8
40°	10122.3	10018.9	9514.0	8234.9	7179.4	6874.0	6645.6	6265.7	5967.6	5859.4
42.5°	11608.2	11461.5	10918.1	9251.9	7818.9	7376.5	7032.7	6470.1	6095.0	5929.1
45°	13433.1	13238.3	12468.9	10398.8	8624.4	8035.3	7576.1	6780.3	6289.8	6063.8
47.5°	15277.2	15325.3	14231.3	11711.6	9590.9	8848.0	8256.5	7246.7	6573.5	6280.2
50°	17236.8	17270.4	15984.1	13166.2	10687.3	9766.5	9021.1	7768.4	6967.8	6587.9
52.5°	18765.9	18770.7	17575.8	14688.2	11829.4	10776.3	9845.8	8364.7	7424.6	6996.7
55°	19722.9	19710.8	18691.4	16128.4	13142.2	11836.6	10759.5	9042.8	7982.4	7477.5
57.5°	20417.7	20381.7	19460.8	17366.6	14541.5	13089.3	11793.3	9812.1	8641.2	8049.8
60°	20682.2	20660.6	19982.5	18436.5	16013.0	14474.2	12985.9	10672.9	9389.0	8725.4
62.5°	20783.2	20824.1	20494.7	19472.8	17587.8	16008.1	14296.3	11702.0	10230.5	9490.0
65°	21139.0	21213.6	21146.2	20828.9	19367.0	17804.2	16034.6	12925.8	11149.0	10309.8
67.5°	21843.5	21918.0	21946.9	22451.8	21540.6	20042.6	18203.3	14450.1	12223.7	11161.0
70°	21826.7	21805.0	22314.8	23742.9	24262.3	23141.9	21127.0	16325.5	13505.2	11867.9
72.5°	19867.1	19694.0	20898.6	23728.5	26527.2	26378.1	24697.5	18744.3	14611.2	11954.4
75°	14904.6	14442.9	16570.8	21384.3	26904.7	28215.0	26967.2	20244.6	14349.1	10562.3
77.5°	6373.9	5909.9	8417.6	15830.2	24079.5	26375.7	24885.0	17662.3	11454.3	6984.6
80°	1668.6	1666.2	2543.8	7177.0	16376.0	19477.6	17087.7	11406.2	6544.6	2495.7
82.5°	690.0	673.2	935.3	2791.4	8001.7	10930.2	8920.1	5087.6	2363.5	675.6
85°	257.3	254.9	454.4	964.1	2822.7	4508.2	3262.7	1300.8	589.1	329.4
87.5°	72.1	69.7	98.6	334.2	687.6	1043.5	557.8	214.0	165.9	129.8
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°
5183.8	0°	5183.8	5183.8	5183.8	5183.8	5183.8	5183.8	5183.8	5183.8	5183.8	5183.8
5193.4	2.5°	5200.6	5212.6	5234.3	5251.1	5272.7	5296.8	5330.4	5352.1	5373.7	5388.1
5205.4	5°	5222.2	5248.7	5304.0	5359.3	5424.2	5484.3	5554.0	5604.5	5645.4	5657.4
5248.7	7.5°	5270.3	5313.6	5407.4	5501.1	5604.5	5703.1	5804.1	5890.7	5960.4	5986.8
5325.6	10°	5354.5	5412.2	5544.4	5676.7	5813.7	5965.2	6095.0	6220.0	6318.6	6359.5
5417.0	12.5°	5460.3	5532.4	5705.5	5888.2	6078.2	6287.4	6455.7	6609.6	6732.2	6787.5
5544.4	15°	5597.3	5691.1	5912.3	6157.5	6436.4	6727.4	6941.4	7112.1	7249.1	7316.4
5676.7	17.5°	5746.4	5871.4	6150.3	6520.6	6919.7	7302.0	7552.1	7677.1	7818.9	7883.9
5799.3	20°	5890.7	6044.5	6443.7	6982.2	7513.6	7919.9	8121.9	8155.5	8165.2	8172.4
5914.7	22.5°	6039.7	6246.5	6811.5	7564.1	8133.9	8415.2	8444.1	8299.8	8097.8	8004.1
6027.7	25°	6203.2	6477.3	7292.4	8206.0	8667.7	8701.3	8480.1	8129.1	7746.8	7571.3
6119.1	27.5°	6361.9	6744.2	7869.4	8819.1	9052.4	8756.6	8280.6	7782.9	7321.2	7136.1
6184.0	30°	6520.6	7049.5	8506.6	9355.3	9227.9	8619.6	7965.6	7410.2	6946.2	6751.4
6241.7	32.5°	6681.7	7405.4	9239.9	9742.4	9196.6	8328.7	7573.7	6991.8	6583.1	6378.7
6292.2	35°	6864.4	7843.0	9934.8	9954.0	8987.5	7900.7	7056.8	6491.7	6135.9	5972.4
6352.3	37.5°	7102.4	8398.4	10547.9	10006.9	8622.0	7273.2	6414.8	5900.3	5606.9	5532.4
6441.2	40°	7398.2	9066.8	11016.7	9922.7	8081.0	6511.0	5712.7	5301.6	5135.7	5152.5
6561.5	42.5°	7782.9	9814.5	11346.1	9706.4	7328.5	5724.8	5097.2	4914.5	4993.8	5061.2
6741.8	45°	8283.0	10591.2	11550.5	9338.5	6477.3	5058.7	4734.2	4777.4	4837.5	4844.8
7032.7	47.5°	8922.5	11377.4	11685.1	8783.1	5609.3	4589.9	4503.3	4513.0	4500.9	4450.4
7467.9	50°	9720.8	12142.0	11805.3	8047.4	4871.2	4296.6	4181.2	4147.5	3981.6	3818.1
8047.4	52.5°	10629.6	12844.0	11855.8	7133.7	4296.6	4051.3	3863.8	3652.2	3342.0	3291.6
8775.9	55°	11639.4	13493.2	11726.0	6010.9	3813.3	3736.4	3452.6	3197.8	3164.1	3120.8
9735.2	57.5°	12846.4	14192.9	11461.5	4758.2	3318.0	3368.5	3092.0	3120.8	3060.7	2993.4
10968.6	60°	14166.4	14916.6	10997.5	3616.1	2805.9	2909.3	2998.2	2995.8	2979.0	2923.7
12269.4	62.5°	15354.2	15392.6	10083.8	2769.8	2356.3	2553.4	2796.3	2793.9	2779.4	2748.2
13627.8	65°	16061.0	15320.5	8559.5	2180.7	1986.0	2260.1	2522.2	2541.4	2543.8	2541.4
14649.7	67.5°	15936.0	14476.6	6467.7	1735.9	1680.6	1961.9	2250.5	2276.9	2296.2	2301.0
14779.5	70°	14522.3	12622.8	4217.2	1384.9	1408.9	1699.9	1993.2	2019.7	2036.5	2055.7
12824.8	72.5°	11319.7	9280.8	2414.0	1120.4	1170.9	1473.9	1738.3	1769.6	1779.2	1815.3
8924.9	75°	6898.1	5457.9	1303.2	882.4	961.7	1259.9	1485.9	1522.0	1538.8	1582.1
4383.1	77.5°	3279.5	2363.5	742.9	687.6	774.2	1029.1	1255.1	1295.9	1250.3	1274.3
1209.4	80°	1108.4	877.6	468.8	524.1	591.5	803.1	1005.0	1045.9	949.7	944.9
401.5	82.5°	387.1	355.8	298.1	348.6	382.3	574.6	759.8	812.7	706.9	704.5
180.3	85°	151.5	144.3	165.9	189.9	228.4	353.4	500.1	526.6	435.2	351.0
52.9	87.5°	31.3	33.7	40.9	43.3	69.7	122.6	180.3	221.2	175.5	149.1
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>
5183.8
5378.5
5662.2
5989.2
6361.9
6787.5
7311.6
7881.5
8191.6
8030.5
7597.7
7157.7
6773.0
6405.2
6008.5
5585.3
5210.2
5123.7
4892.8
4488.9
3839.7
3308.4
3128.1
2981.4
2904.5
2736.1
2541.4
2305.8
2065.3
1829.7
1586.9
1255.1
935.3
670.8
346.2
137.0
0.0

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