

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: P853057

Luminaire Tested: **GLAN-SB8B-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853057
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-SB8B-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38643 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

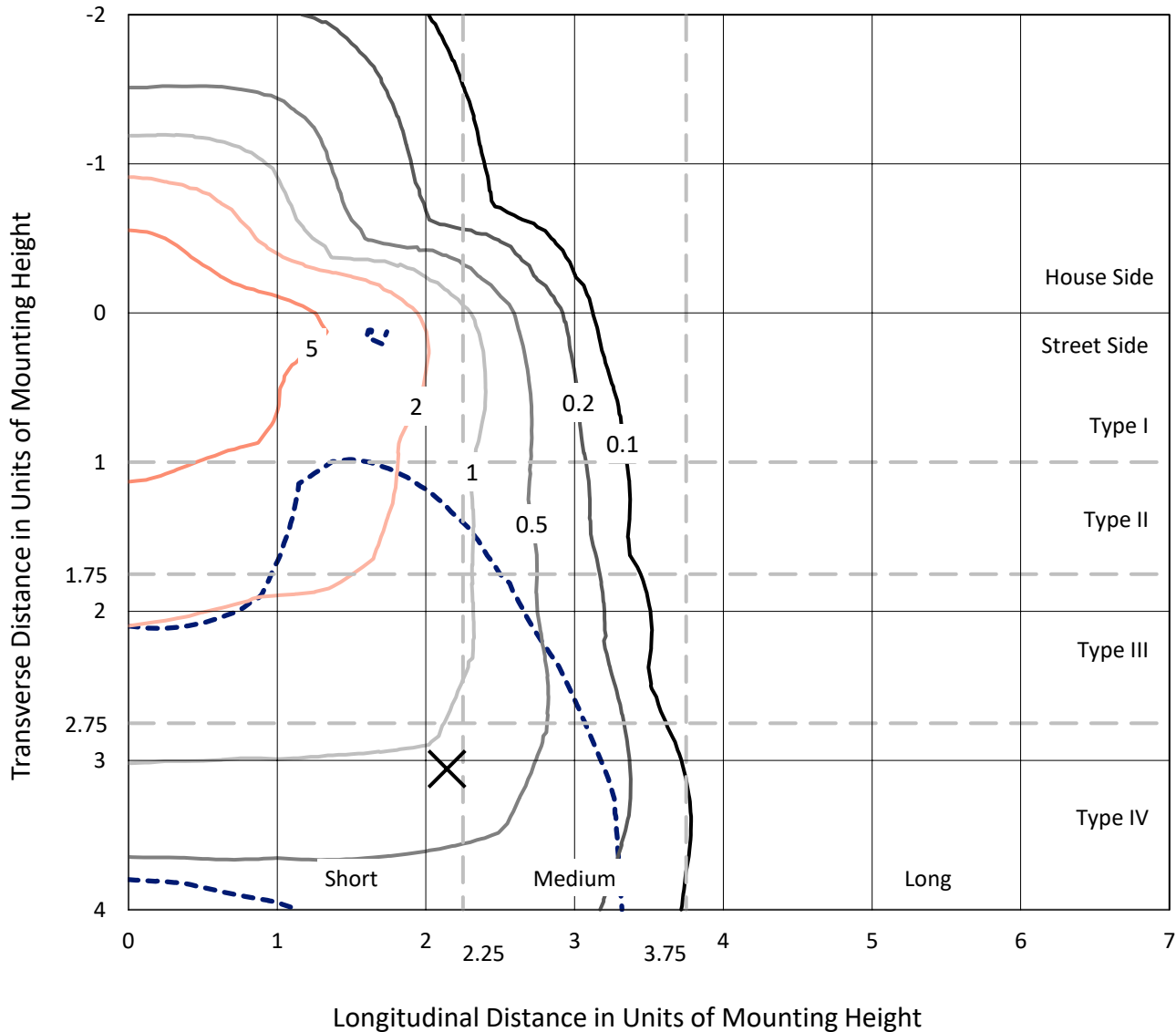
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

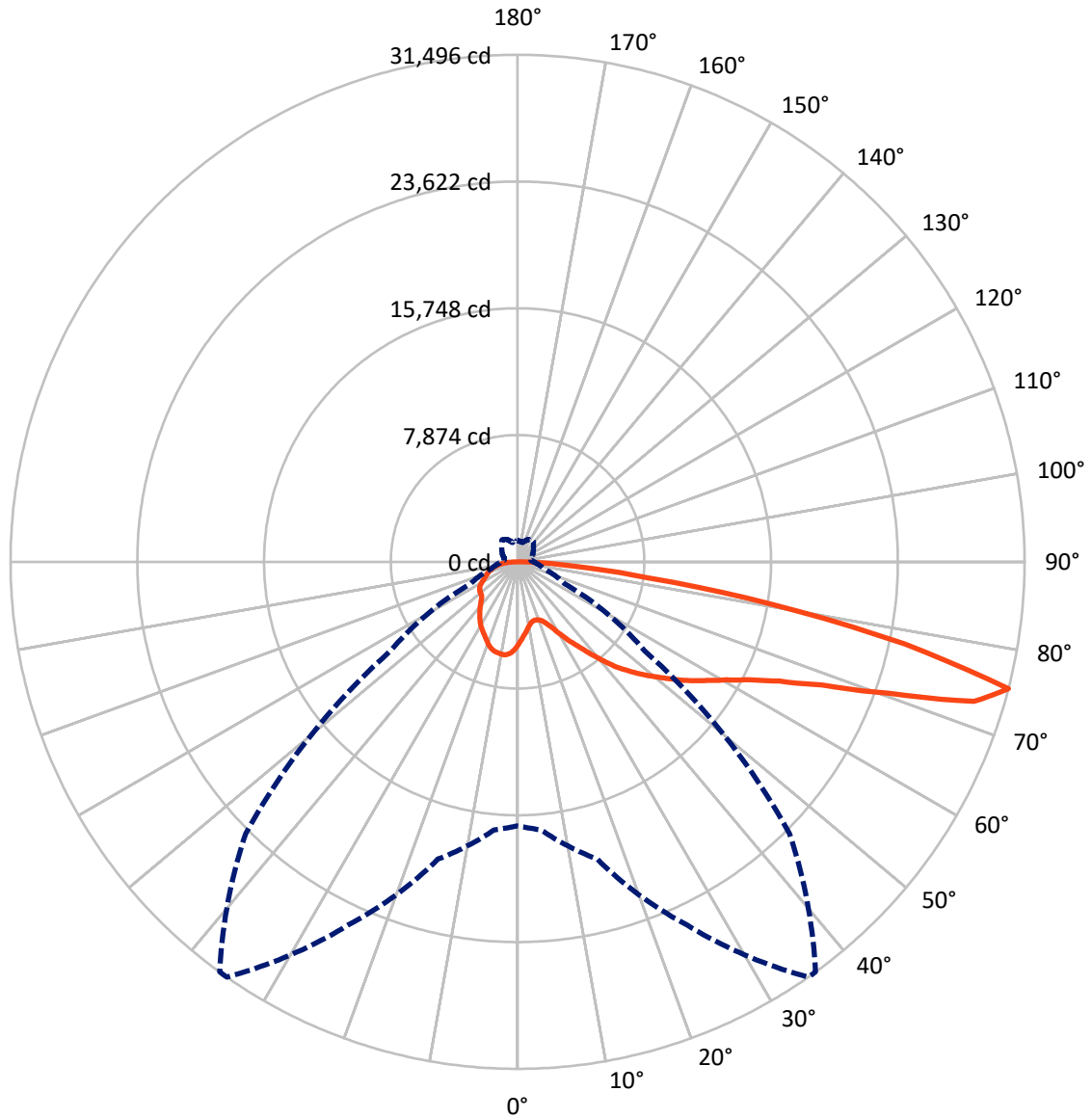
x Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	9196.1	0.0	9196.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	29446.9	0.0	29446.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	38643.0	0.0	38643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.5	1.3
10°-20°	1406.3	3.6
20°-30°	2361.5	6.1
30°-40°	3670.2	9.5
40°-50°	5447.5	14.1
50°-60°	7520.6	19.5
60°-70°	9124.2	23.6
70°-80°	7540.5	19.5
80°-90°	1084.6	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°	38643.0	100.0
0°-180°	38643.0	100.0

Coefficient of Utilization

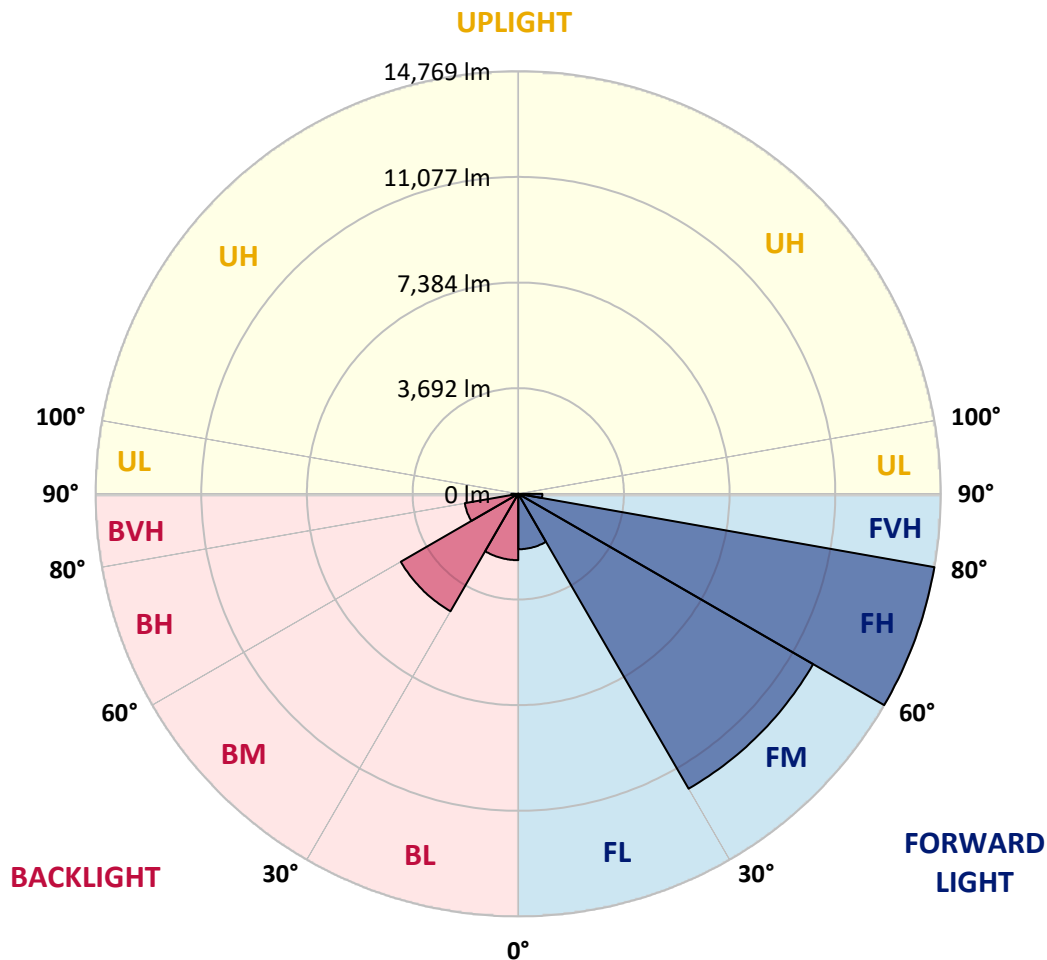


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1937.9	5.0			
FM (30°-60°)	11899.9	30.8			
FH (60°-80°)	14768.8	38.2			G5
FVH (80°-90°)	840.3	2.2			G5
BL (0°-30°)	2317.5	6.0	B3/2500		
BM (30°-60°)	4738.4	12.3	B3/5000		
BH (60°-80°)	1896.0	4.9	B3/2500		G3/2500
BVH (80°-90°)	244.2	0.6			G3/500
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°	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4
2.5°	4748.3	4777.6	4790.1	4783.9	4815.2	4811.0	4854.9	4909.2	4984.4	5057.5
5°	4382.8	4414.1	4441.3	4466.3	4526.9	4545.7	4614.7	4719.1	4857.0	4996.9
7.5°	4042.3	4069.4	4111.2	4157.2	4259.5	4278.3	4393.2	4556.2	4748.3	4953.1
10°	3764.4	3791.6	3835.4	3887.7	4015.1	4038.1	4184.3	4401.6	4652.3	4911.3
12.5°	3645.3	3653.7	3678.8	3731.0	3841.7	3856.3	4017.2	4265.8	4558.2	4880.0
15°	3639.1	3655.8	3657.9	3685.0	3777.0	3783.2	3931.5	4178.0	4499.8	4873.7
17.5°	3701.7	3714.3	3695.5	3712.2	3789.5	3799.9	3916.9	4136.3	4481.0	4900.8
20°	3868.9	3879.3	3822.9	3799.9	3856.3	3864.7	3979.6	4163.4	4499.8	4957.3
22.5°	4224.0	4230.3	4092.4	3998.4	4002.6	4006.7	4107.0	4274.1	4572.9	5059.6
25°	4777.6	4773.4	4554.1	4372.3	4267.9	4244.9	4311.7	4453.8	4696.1	5195.4
27.5°	5425.2	5393.9	5174.5	4902.9	4675.2	4641.8	4627.2	4687.8	4871.6	5375.1
30°	6156.4	6127.1	5891.0	5535.9	5220.5	5166.2	5028.3	4996.9	5132.7	5619.5
32.5°	6958.5	6939.7	6657.7	6227.4	5805.4	5742.7	5510.8	5427.3	5533.8	5989.2
35°	7631.2	7614.5	7380.5	6937.6	6421.7	6344.4	6108.3	6014.3	6068.6	6463.4
37.5°	8239.1	8230.7	8030.2	7681.3	7148.6	7054.6	6789.3	6758.0	6747.5	7088.1
40°	8803.1	8782.3	8573.3	8389.5	7994.7	7909.0	7675.1	7647.9	7568.5	7856.8
42.5°	9427.8	9373.4	9070.5	8984.9	8878.3	8807.3	8667.4	8671.5	8496.1	8723.8
45°	9937.5	9906.1	9594.9	9544.7	9659.6	9630.4	9751.6	9782.9	9442.4	9632.5
47.5°	10484.8	10455.6	10192.3	10156.8	10468.1	10476.4	10904.7	10915.1	10365.7	10576.7
50°	11159.6	11117.8	10856.7	10900.5	11249.4	11280.7	12064.1	11993.1	11216.0	11535.6
52.5°	11604.5	11629.6	11573.2	11644.2	12120.5	12149.8	13204.7	13023.0	12057.8	12481.9
55°	11932.5	11982.6	12158.1	12321.1	13039.7	13068.9	14280.6	14002.7	12755.6	13359.3
57.5°	12354.5	12283.5	12611.4	12929.0	13912.9	13990.2	15327.2	14947.0	13373.9	14115.5
60°	12960.3	12910.2	13165.0	13635.1	14890.6	15013.8	16434.3	15797.2	13827.2	14715.1
62.5°	14188.6	14063.3	14103.0	14518.7	16123.1	16286.0	17683.6	16538.8	14052.9	14949.0
65°	16024.9	15809.7	15609.2	15897.5	17859.1	18019.9	19093.7	17121.6	13969.3	14495.7
67.5°	18337.4	18124.4	17877.9	18149.4	20416.0	20543.5	20833.8	17449.6	13311.3	12749.3
70°	20244.7	20165.3	20459.9	21577.5	24500.1	24504.2	23064.9	17178.0	11508.4	9039.2
72.5°	19991.9	19943.9	21496.0	24951.3	29647.4	29536.7	25176.9	15122.4	7752.4	4077.8
75°	16400.9	16712.2	19116.6	24890.7	31496.2	31481.6	23883.8	9613.7	3206.6	1690.0
77.5°	8794.8	9287.8	12410.9	18377.1	24587.8	24957.6	16791.6	3363.3	1376.7	1082.1
80°	2868.2	3298.6	4946.8	9356.7	15976.8	15907.9	7196.7	1320.3	942.1	766.7
82.5°	1217.9	1268.0	2210.2	4418.3	8199.4	8072.0	2291.7	758.3	662.2	524.3
85°	476.3	532.7	975.6	2043.1	3551.3	3474.0	827.3	376.0	424.1	342.6
87.5°	156.7	190.1	348.9	699.8	1105.1	1065.4	202.6	129.5	183.8	156.7
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°
5149.4	0°	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4
5164.1	2.5°	5193.3	5226.7	5266.4	5324.9	5375.1	5416.8	5460.7	5487.9	5498.3	5529.6
5172.4	5°	5230.9	5304.0	5402.2	5498.3	5592.3	5648.7	5698.9	5723.9	5746.9	5763.6
5195.4	7.5°	5293.6	5387.6	5542.2	5667.5	5746.9	5792.9	5826.3	5817.9	5826.3	5830.5
5220.5	10°	5347.9	5479.5	5663.3	5782.4	5843.0	5845.1	5836.7	5807.5	5792.9	5794.9
5258.1	12.5°	5412.7	5558.9	5757.3	5857.6	5874.3	5828.4	5792.9	5742.7	5723.9	5715.6
5314.5	15°	5500.4	5667.5	5859.7	5897.3	5855.5	5797.0	5736.5	5655.0	5613.2	5579.8
5410.6	17.5°	5606.9	5790.8	5939.1	5911.9	5822.1	5726.0	5627.8	5504.6	5418.9	5383.4
5542.2	20°	5755.3	5920.3	5999.7	5880.6	5744.8	5598.6	5431.5	5281.0	5201.7	5166.2
5709.3	22.5°	5934.9	6093.7	6058.2	5826.3	5634.1	5400.1	5191.2	5080.5	5040.8	5015.7
5924.5	25°	6150.1	6285.9	6099.9	5746.9	5452.3	5136.9	4976.1	4940.5	4921.7	4902.9
6187.7	27.5°	6430.0	6503.1	6131.3	5629.9	5168.2	4857.0	4798.5	4804.8	4798.5	4767.1
6553.3	30°	6799.8	6785.1	6160.5	5439.8	4842.4	4604.2	4608.4	4635.5	4639.7	4618.8
7063.0	32.5°	7286.5	7138.2	6175.2	5193.3	4531.1	4382.8	4386.9	4416.2	4437.1	4401.6
7729.4	35°	7875.6	7549.7	6152.2	4884.1	4290.9	4171.8	4140.4	4148.8	4155.1	4121.6
8537.8	37.5°	8562.9	8011.4	6049.8	4541.5	4092.4	3965.0	3898.1	3841.7	3808.3	3777.0
9452.8	40°	9317.0	8514.9	5861.8	4207.3	3871.0	3745.6	3645.3	3538.8	3426.0	3384.2
10422.1	42.5°	10106.7	9032.9	5634.1	3887.7	3616.1	3513.7	3407.2	3252.6	3083.4	2997.7
11429.0	45°	10925.6	9563.5	5410.6	3572.2	3355.0	3311.1	3187.8	3001.9	2818.1	2709.5
12438.0	47.5°	11727.8	10064.9	5082.6	3254.7	3110.6	3158.6	3062.5	2891.2	2686.5	2515.2
13438.7	50°	12494.4	10534.9	4545.7	2933.0	2912.1	3112.6	3020.7	2774.2	2540.3	2320.9
14420.5	52.5°	13254.8	10915.1	3858.4	2640.5	2805.6	3100.1	2966.4	2694.8	2408.6	2178.9
15343.9	55°	13900.4	11111.5	3196.2	2389.8	2651.0	2993.6	2901.7	2600.8	2222.7	1978.3
15976.8	57.5°	14268.0	10952.7	2644.7	2143.3	2437.9	2818.1	2790.9	2400.3	2001.3	1813.3
16100.1	60°	14109.3	10309.3	2193.5	1928.2	2235.3	2628.0	2598.7	2201.8	1832.1	1654.5
15440.0	62.5°	13234.0	9083.1	1836.3	1740.2	2051.4	2433.7	2406.6	2049.3	1702.6	1531.3
13687.3	65°	11470.8	7388.9	1558.4	1583.5	1865.5	2199.7	2239.4	1921.9	1600.2	1433.1
10589.3	67.5°	8748.8	5352.1	1341.2	1447.7	1683.8	1969.9	2084.8	1830.0	1514.5	1355.8
6127.1	70°	4986.5	3039.5	1157.3	1316.1	1522.9	1756.9	1965.8	1756.9	1422.6	1291.0
2295.8	72.5°	1890.6	1395.5	1000.6	1184.5	1368.3	1577.2	1834.2	1642.0	1316.1	1217.9
1186.6	75°	1009.0	850.2	841.9	1029.9	1190.7	1401.7	1669.1	1529.2	1236.7	1286.8
821.0	77.5°	687.3	601.6	704.0	881.6	996.5	1207.5	1493.7	1357.9	1071.7	1067.5
568.2	80°	476.3	426.2	572.4	710.3	770.8	1015.3	1303.6	1165.7	873.2	814.7
351.0	82.5°	286.2	277.8	428.2	530.6	545.2	783.4	1080.0	977.7	714.4	622.5
208.9	85°	156.7	165.0	273.7	311.3	317.5	547.3	846.1	756.2	549.4	461.7
75.2	87.5°	43.9	56.4	100.3	123.3	152.5	284.1	503.5	449.1	275.8	192.2
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>
5149.4
5527.6
5767.8
5836.7
5799.1
5711.4
5590.2
5385.5
5162.0
5019.9
4902.9
4773.4
4629.3
4418.3
4144.6
3797.8
3403.0
3008.2
2701.1
2496.4
2302.1
2153.8
1957.4
1788.2
1629.4
1504.1
1405.9
1330.7
1274.3
1201.2
1328.6
983.9
779.2
626.7
465.9
192.2
0.0

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