

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: P849018

Luminaire Tested: **GLAN-SB5D-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5D-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42590 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

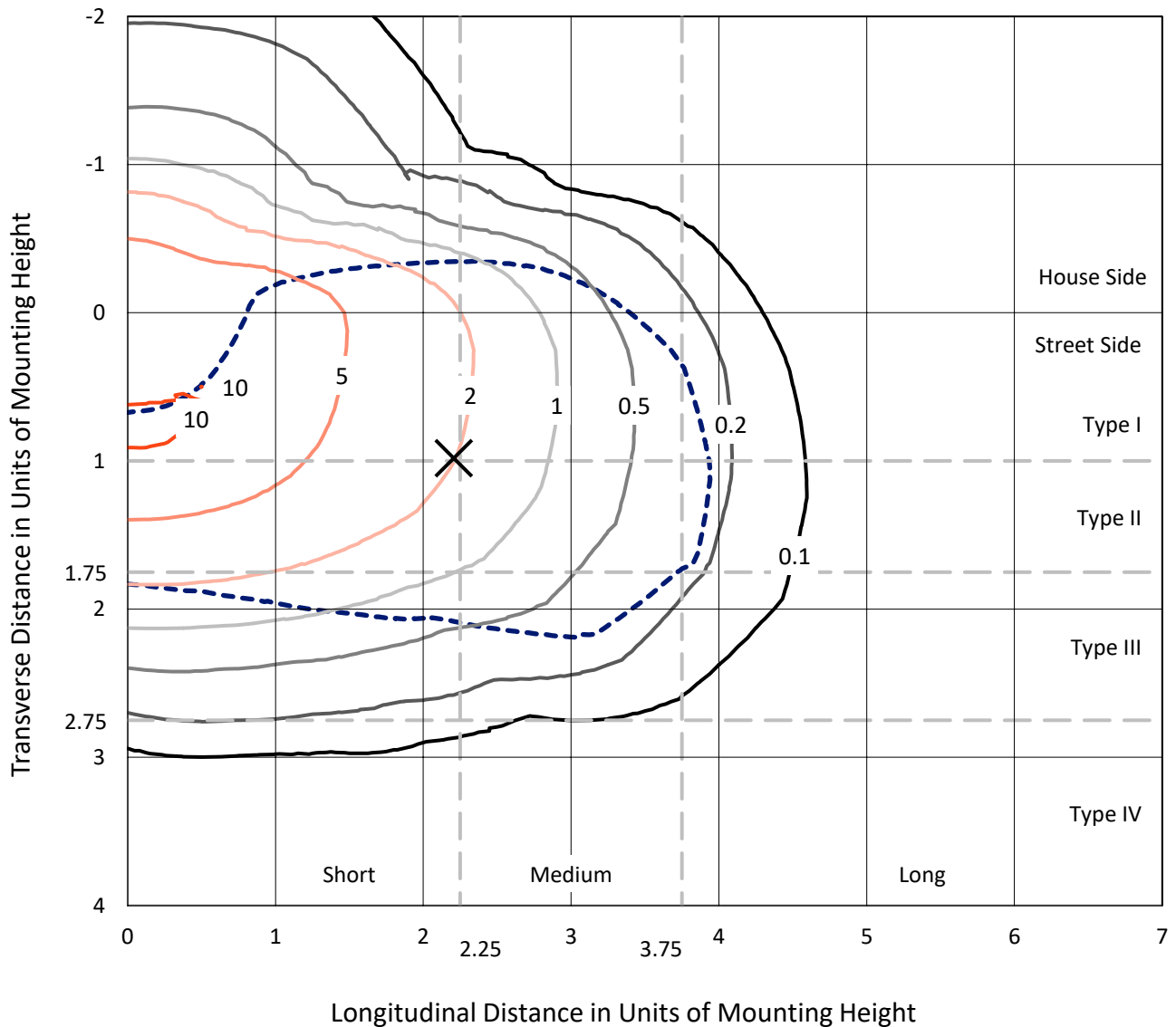
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

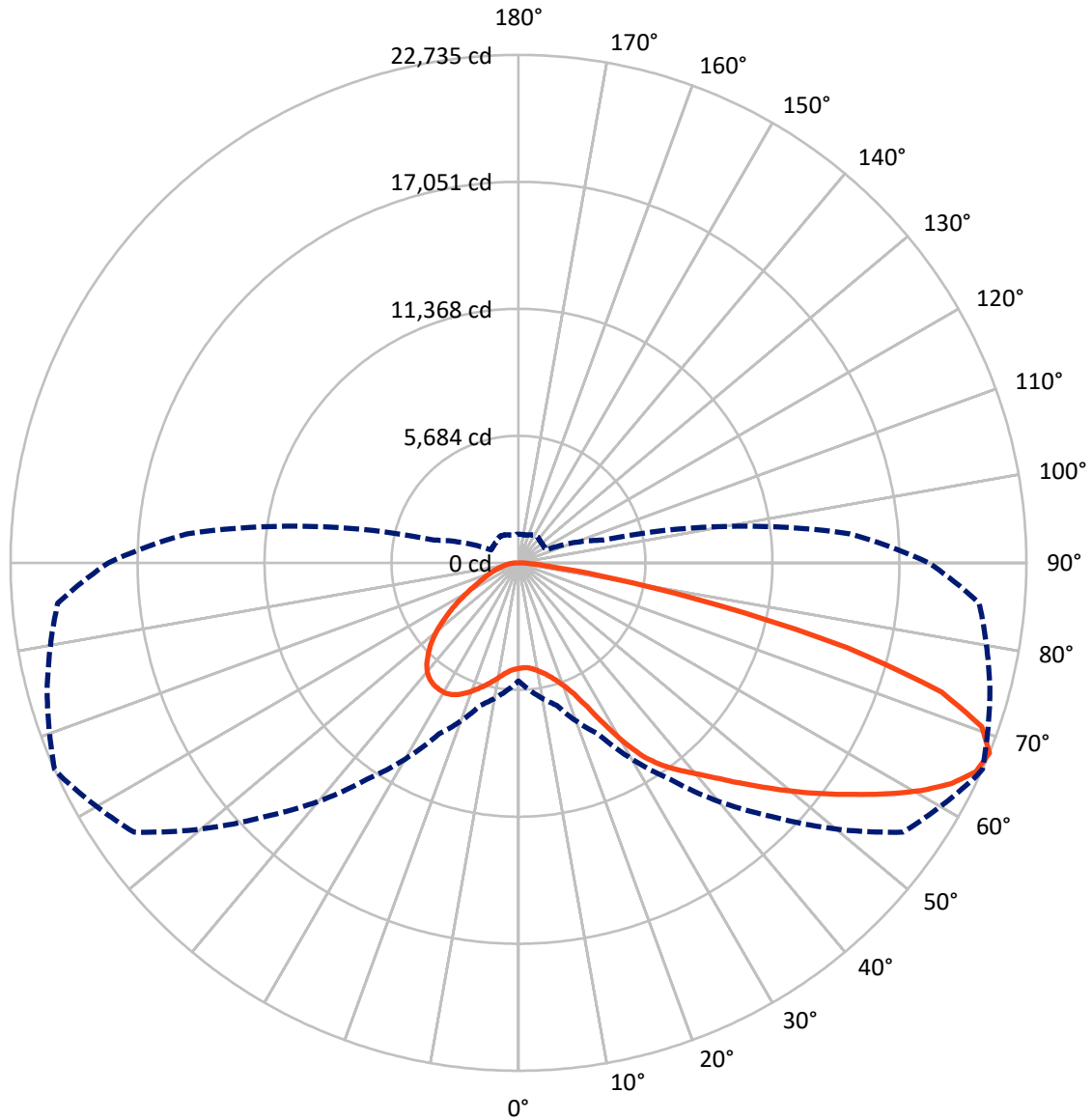
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10589.9	0.0	10589.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	32000.1	0.0	32000.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	42590.0	0.0	42590.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.3	1.1
10°-20°	1547.3	3.6
20°-30°	2982.4	7.0
30°-40°	5229.3	12.3
40°-50°	7774.3	18.3
50°-60°	9854.6	23.1
60°-70°	9642.5	22.6
70°-80°	4599.6	10.8
80°-90°	491.6	1.2
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°	42590.0	100.0
0°-180°	42590.0	100.0

Coefficient of Utilization

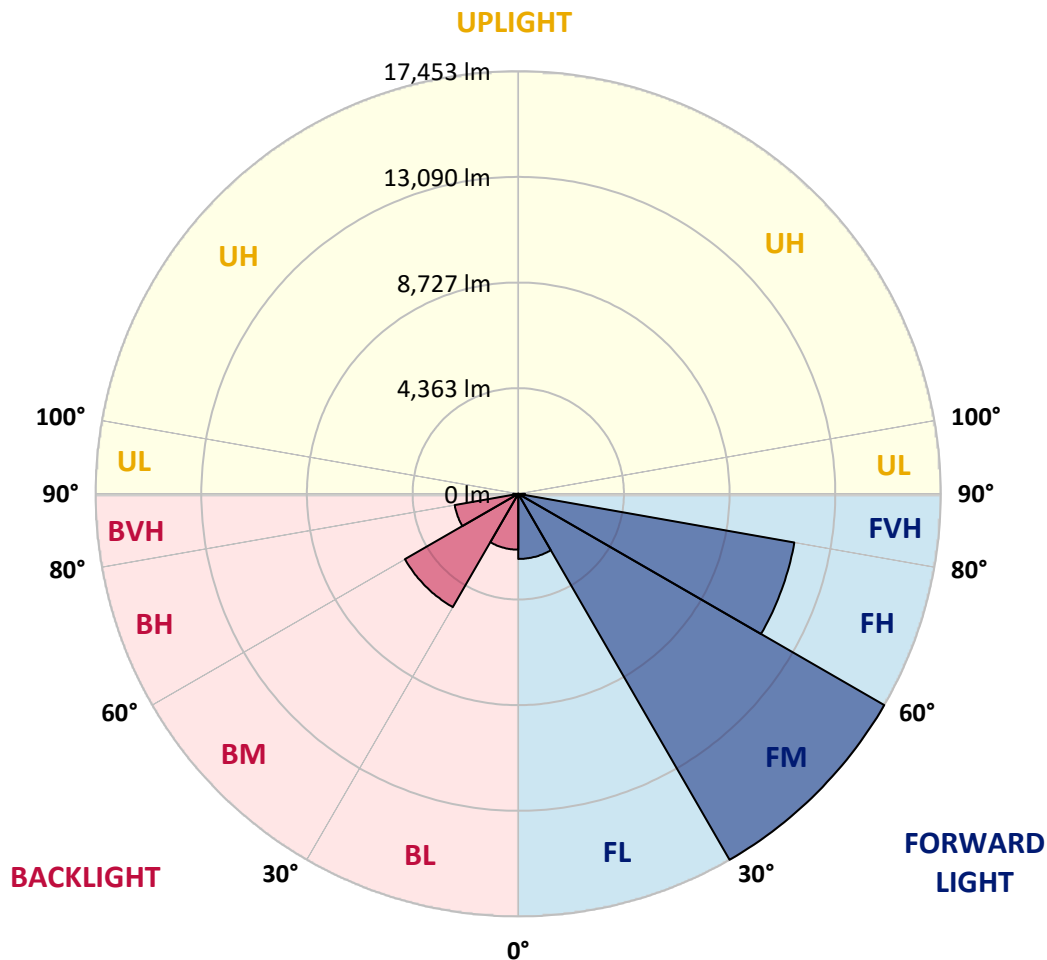


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2691.3	6.3			
FM (30°-60°)	17453.0	41.0			
FH (60°-80°)	11577.1	27.2			G4/12000
FVH (80°-90°)	278.7	0.7			G3/500
BL (0°-30°)	2306.9	5.4	B3/2500		
BM (30°-60°)	5405.2	12.7	B4/8500		
BH (60°-80°)	2665.0	6.3	B4/5000		G4/5000
BVH (80°-90°)	212.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4723.8	4723.8	4723.8	4723.8	4723.8	4723.8	4723.8	4723.8	4723.8	4723.8
2.5°	4674.6	4701.4	4694.7	4683.5	4681.3	4685.8	4692.5	4699.2	4696.9	4708.1
5°	4661.1	4688.0	4685.8	4685.8	4694.7	4712.6	4723.8	4735.0	4723.8	4737.2
7.5°	4670.1	4690.2	4699.2	4708.1	4730.5	4764.1	4790.9	4815.5	4802.1	4817.8
10°	4784.2	4799.9	4808.8	4808.8	4824.5	4862.5	4889.4	4934.1	4922.9	4947.6
12.5°	4992.3	5008.0	5008.0	4999.0	5010.2	5034.8	5043.8	5093.0	5072.9	5113.2
15°	5247.4	5278.7	5254.1	5238.5	5242.9	5267.6	5265.3	5303.4	5283.2	5316.8
17.5°	5529.4	5569.6	5529.4	5527.1	5518.2	5545.0	5547.3	5580.8	5545.0	5569.6
20°	5862.8	5918.7	5885.2	5896.4	5876.2	5887.4	5898.6	5947.8	5891.9	5909.8
22.5°	6332.7	6399.8	6364.0	6406.5	6393.1	6384.2	6381.9	6469.2	6381.9	6388.6
25°	7017.4	7098.0	7035.3	7093.5	7093.5	7122.6	7156.2	7268.1	7122.6	7080.1
27.5°	8028.9	8109.4	7986.4	8022.2	8011.0	8082.6	8046.8	8324.3	8167.6	8098.3
30°	9246.2	9389.4	9156.7	9147.7	9136.5	9250.7	9302.1	9485.6	9326.8	9257.4
32.5°	10562.0	10711.9	10434.4	10353.9	10311.3	10380.7	10338.2	10485.9	10376.2	10268.8
35°	11953.8	12101.5	11837.5	11680.8	11510.8	11365.3	11213.1	11251.2	11148.2	10984.9
37.5°	13269.6	13540.3	13260.6	13092.8	12779.5	12495.3	12070.2	11893.4	11797.2	11647.3
40°	14610.0	14764.4	14551.8	14408.6	14068.4	13623.1	12942.9	12569.2	12439.4	12293.9
42.5°	15596.8	15744.5	15630.4	15531.9	15265.6	14748.7	13869.3	13401.6	13213.6	13050.3
45°	16380.0	16489.6	16418.0	16453.8	16339.7	15838.5	14829.3	14294.5	14099.8	13900.6
47.5°	16695.5	16811.9	16926.0	17138.6	17333.3	16964.0	15860.8	15261.1	15055.3	14851.6
50°	16659.7	16778.3	17109.5	17561.5	18165.7	18042.6	16948.4	16290.5	16100.3	15867.6
52.5°	16373.3	16507.5	16932.7	17684.6	18646.8	18850.4	18056.0	17353.4	17174.4	16896.9
55°	15621.4	15702.0	16339.7	17404.9	18760.9	19414.3	19141.3	18485.7	18306.7	17919.5
57.5°	14227.3	14343.7	15272.3	16650.8	18474.5	19797.0	20094.6	19676.1	19503.8	18946.6
60°	12408.1	12593.8	13656.7	15384.2	17745.0	19794.7	20960.6	20846.5	20703.2	19958.1
62.5°	10349.4	10564.2	11586.8	13594.1	16469.5	19233.1	21502.1	21826.6	21752.7	20891.2
65°	7948.3	8096.0	9114.2	11278.0	14484.7	18026.9	21564.8	22495.6	22509.1	21600.6
67.5°	5292.2	5717.3	6601.2	8463.0	11826.3	16055.5	21014.3	22605.3	22735.1	21844.5
70°	2582.3	3141.7	4007.7	5500.3	8463.0	13032.4	19575.4	21705.7	21994.4	21132.9
72.5°	1071.9	1253.1	1725.3	2714.3	4858.1	8794.2	16684.3	19266.6	19801.4	18725.1
75°	722.8	783.2	986.8	1391.9	2213.1	4336.7	12032.1	14366.1	15227.6	14142.3
77.5°	557.2	595.2	718.3	973.4	1315.8	1640.2	6440.1	8657.7	9103.0	8427.2
80°	438.6	467.7	537.0	709.4	933.1	877.2	2195.2	3922.7	4180.0	3506.5
82.5°	380.4	391.6	384.9	481.1	619.8	512.4	720.5	1447.8	1597.7	1159.1
85°	275.2	306.6	320.0	297.6	328.9	259.6	295.4	512.4	563.9	503.5
87.5°	111.9	165.6	203.6	192.4	120.8	73.8	91.7	149.9	172.3	188.0
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°
4723.8	0°	4723.8	4723.8	4723.8	4723.8	4723.8	4723.8	4723.8	4723.8	4723.8	4723.8
4726.0	2.5°	4728.3	4743.9	4755.1	4768.5	4777.5	4790.9	4817.8	4833.4	4835.7	4846.9
4761.8	5°	4770.8	4793.2	4817.8	4853.6	4893.9	4927.4	4978.9	5014.7	5028.1	5039.3
4849.1	7.5°	4862.5	4893.9	4938.6	5001.3	5059.4	5104.2	5166.9	5209.4	5251.9	5267.6
4987.8	10°	4999.0	5043.8	5108.7	5193.7	5256.4	5314.5	5379.4	5415.2	5457.8	5475.7
5153.4	12.5°	5169.1	5216.1	5301.1	5419.7	5477.9	5518.2	5540.6	5531.6	5540.6	5556.2
5352.6	15°	5363.8	5415.2	5511.5	5639.0	5679.3	5643.5	5594.3	5549.5	5542.8	5547.3
5594.3	17.5°	5594.3	5632.3	5744.2	5851.6	5822.5	5674.8	5567.4	5495.8	5460.0	5448.8
5903.1	20°	5916.5	5916.5	6008.2	6075.4	5880.7	5630.1	5462.2	5345.9	5272.0	5240.7
6323.8	22.5°	6308.1	6272.3	6330.5	6283.5	5869.5	5504.8	5272.0	5070.6	4958.8	4914.0
6912.3	25°	6804.9	6762.3	6746.7	6455.8	5788.9	5305.6	4927.4	4683.5	4585.1	4560.4
7760.4	27.5°	7554.5	7447.1	7243.4	6549.8	5641.3	4992.3	4524.6	4298.6	4242.7	4244.9
8850.1	30°	8552.5	8337.7	7838.7	6565.4	5399.6	4549.3	4112.9	3951.8	3924.9	3936.1
9765.3	32.5°	9476.7	9273.0	8447.3	6493.8	5028.1	4115.1	3743.7	3636.3	3596.0	3609.4
10463.5	35°	10201.7	10145.8	9011.2	6393.1	4571.6	3707.9	3412.5	3320.8	3242.4	3224.5
11121.4	37.5°	10886.4	10864.1	9434.2	6252.1	4119.6	3419.2	3146.2	3025.4	2911.3	2848.6
11848.6	40°	11638.3	11615.9	9711.6	6035.1	3719.1	3168.6	2906.8	2747.9	2606.9	2492.8
12672.1	42.5°	12484.2	12352.1	9843.7	5724.0	3378.9	2956.0	2712.1	2497.3	2311.5	2206.4
13603.0	45°	13408.3	13110.7	9841.4	5328.0	3092.5	2761.3	2504.0	2199.7	2027.4	1928.9
14558.5	47.5°	14388.4	13835.7	9720.6	4889.4	2815.0	2546.5	2181.8	1949.0	1834.9	1774.5
15596.8	50°	15399.9	14513.8	9514.7	4385.9	2530.8	2302.6	1980.4	1821.5	1734.2	1678.3
16626.1	52.5°	16350.9	15129.1	9266.3	3815.3	2242.2	2065.4	1890.9	1767.8	1676.0	1613.4
17624.2	55°	17234.8	15659.5	8915.0	3231.2	2007.2	1906.5	1848.3	1745.4	1640.2	1566.4
18637.8	57.5°	18020.2	16004.1	8308.6	2683.0	1839.4	1796.9	1803.6	1707.4	1586.5	1523.9
19635.9	60°	18673.6	16256.9	7411.3	2175.0	1702.9	1689.5	1734.2	1635.8	1494.8	1423.2
20479.5	62.5°	19065.2	16252.4	6310.3	1781.2	1586.5	1591.0	1642.5	1546.3	1403.0	1335.9
20920.3	65°	19031.7	15854.1	5102.0	1523.9	1474.6	1479.1	1546.3	1447.8	1327.0	1286.7
20698.8	67.5°	18358.1	14883.0	3913.7	1356.0	1351.6	1371.7	1450.0	1380.7	1280.0	1275.5
19378.5	70°	16534.4	12866.8	2819.5	1221.8	1224.0	1253.1	1356.0	1338.1	1255.4	1264.3
16292.7	72.5°	13258.4	9810.1	1893.1	1080.8	1083.0	1130.0	1266.5	1304.6	1230.7	1349.3
11560.0	75°	8830.0	6117.9	1217.3	930.9	933.1	993.5	1188.2	1239.7	1163.6	1344.9
6014.9	77.5°	4242.7	2750.1	881.7	783.2	783.2	839.1	1027.1	1109.9	991.3	1045.0
1933.4	80°	1465.7	1033.8	693.7	631.0	617.6	655.6	866.0	962.2	854.8	787.7
631.0	82.5°	577.3	537.0	557.2	490.1	445.3	469.9	673.5	794.4	628.8	568.4
355.8	85°	331.2	349.1	393.8	324.5	257.3	288.7	494.5	570.6	474.4	418.5
116.4	87.5°	89.5	123.1	181.3	167.8	116.4	123.1	235.0	315.5	273.0	210.3
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>
4723.8
4844.6
5037.1
5269.8
5484.6
5560.7
5562.9
5464.5
5234.0
4907.3
4564.9
4251.6
3974.2
3627.3
3238.0
2850.8
2504.0
2213.1
1924.4
1761.1
1658.1
1586.5
1537.3
1483.6
1391.9
1315.8
1284.4
1282.2
1262.1
1367.2
1356.0
957.7
738.4
566.1
427.4
217.1
0.0

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