

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: P850148

Luminaire Tested: **GLAN-SB7C-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850148
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-SB7C-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52300 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

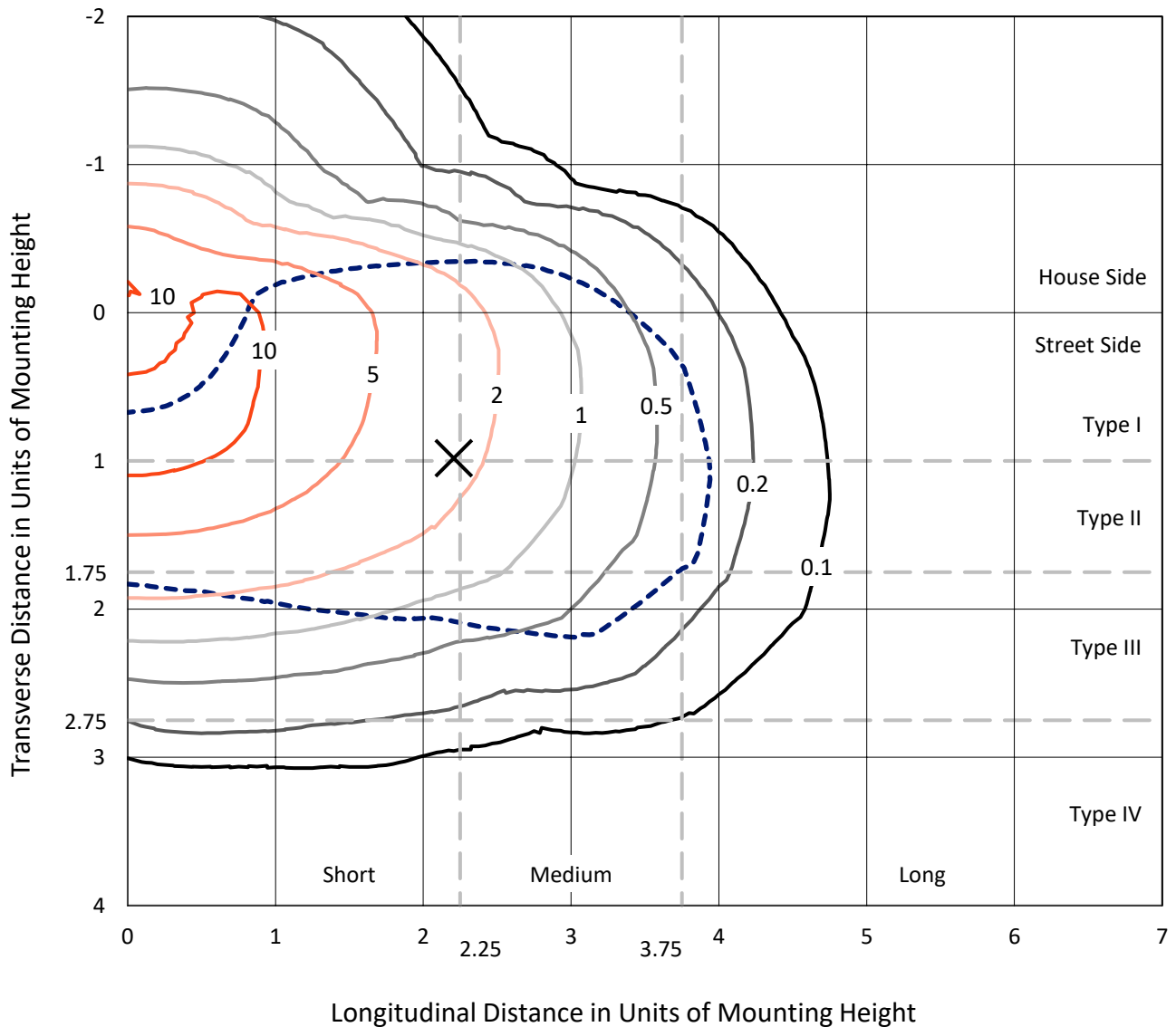
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

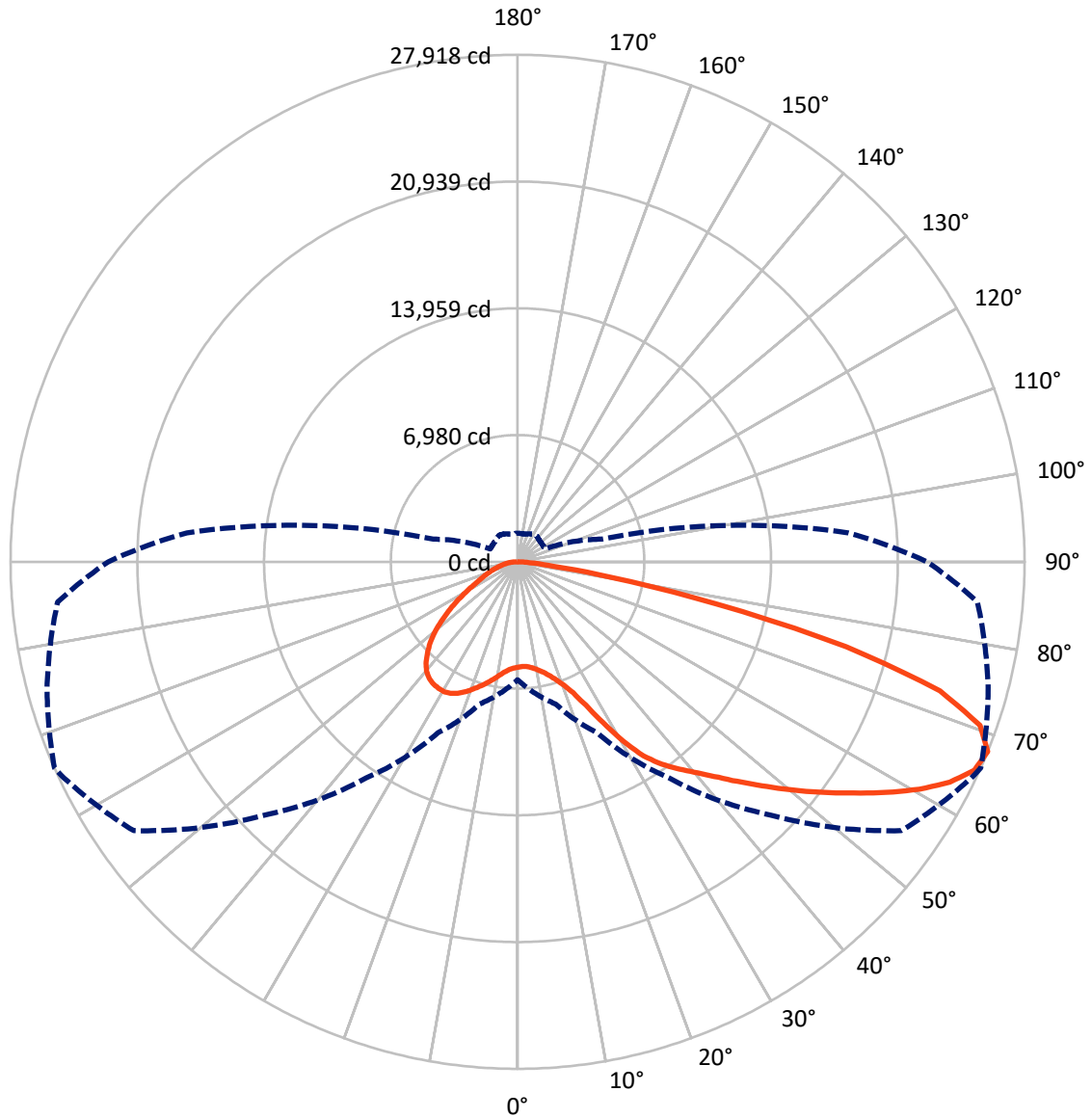
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 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	13004.2	0.0	13004.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	39295.8	0.0	39295.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	52300.0	0.0	52300.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.1	1.1
10°-20°	1900.1	3.6
20°-30°	3662.4	7.0
30°-40°	6421.5	12.3
40°-50°	9546.7	18.3
50°-60°	12101.4	23.1
60°-70°	11840.9	22.6
70°-80°	5648.2	10.8
80°-90°	603.6	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°	52300.0	100.0
0°-180°	52300.0	100.0

Coefficient of Utilization



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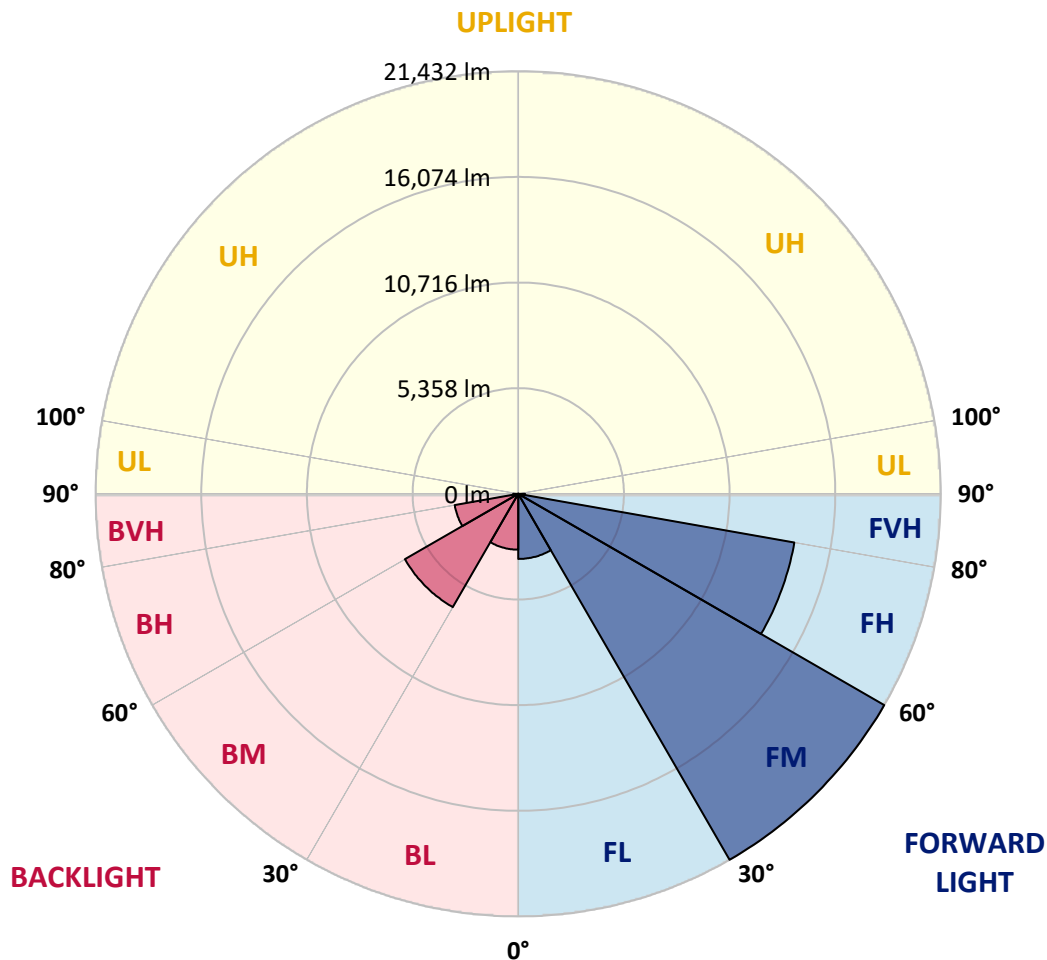
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3304.8	6.3			
FM (30°-60°)	21432.1	41.0			
FH (60°-80°)	14216.6	27.2			G5
FVH (80°-90°)	342.2	0.7			G3/500
BL (0°-30°)	2832.8	5.4	B4/5000		
BM (30°-60°)	6637.5	12.7	B4/8500		
BH (60°-80°)	3272.5	6.3	B4/5000		G4/5000
BVH (80°-90°)	261.4	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	5800.8	5800.8	5800.8	5800.8	5800.8	5800.8	5800.8	5800.8	5800.8	5800.8
2.5°	5740.3	5773.3	5765.0	5751.3	5748.6	5754.0	5762.3	5770.5	5767.8	5781.5
5°	5723.8	5756.8	5754.0	5754.0	5765.0	5787.0	5800.8	5814.5	5800.8	5817.2
7.5°	5734.8	5759.5	5770.5	5781.5	5809.0	5850.2	5883.2	5913.4	5896.9	5916.2
10°	5875.0	5894.2	5905.2	5905.2	5924.4	5971.1	6004.1	6059.1	6045.3	6075.5
12.5°	6130.5	6149.7	6149.7	6138.7	6152.5	6182.7	6193.7	6254.2	6229.4	6278.9
15°	6443.8	6482.2	6452.0	6432.8	6438.3	6468.5	6465.7	6512.5	6487.7	6528.9
17.5°	6790.0	6839.5	6790.0	6787.2	6776.3	6809.2	6812.0	6853.2	6809.2	6839.5
20°	7199.4	7268.1	7226.9	7240.6	7215.9	7229.7	7243.4	7303.8	7235.2	7257.1
22.5°	7776.5	7858.9	7815.0	7867.2	7850.7	7839.7	7836.9	7944.1	7836.9	7845.2
25°	8617.3	8716.3	8639.3	8710.8	8710.8	8746.5	8787.7	8925.1	8746.5	8694.3
27.5°	9859.4	9958.3	9807.2	9851.1	9837.4	9925.3	9881.4	10222.1	10029.7	9944.6
30°	11354.2	11530.1	11244.3	11233.3	11219.6	11359.7	11422.9	11648.2	11453.1	11368.0
32.5°	12970.0	13154.1	12813.3	12714.4	12662.2	12747.4	12695.2	12876.5	12741.9	12610.0
35°	14679.1	14860.5	14536.3	14343.9	14135.1	13956.5	13769.6	13816.3	13689.9	13489.3
37.5°	16294.9	16627.4	16283.9	16077.8	15693.1	15344.1	14822.0	14604.9	14486.8	14302.7
40°	17940.9	18130.5	17869.4	17693.6	17275.9	16729.1	15893.7	15434.8	15275.4	15096.8
42.5°	19152.7	19334.0	19193.9	19073.0	18746.0	18111.2	17031.3	16457.0	16226.2	16025.6
45°	20114.4	20249.1	20161.1	20205.1	20065.0	19449.4	18210.2	17553.4	17314.4	17069.8
47.5°	20501.9	20644.8	20784.9	21046.0	21285.0	20831.6	19476.9	18740.5	18487.7	18237.6
50°	20457.9	20603.6	21010.2	21565.3	22307.2	22156.1	20812.4	20004.5	19771.0	19485.2
52.5°	20106.2	20271.1	20793.2	21716.4	22898.0	23148.1	22172.6	21309.8	21089.9	20749.2
55°	19182.9	19281.8	20065.0	21373.0	23038.2	23840.6	23505.3	22700.2	22480.4	22005.0
57.5°	17471.0	17613.9	18754.2	20446.9	22686.4	24310.4	24675.9	24162.1	23950.5	23266.2
60°	15237.0	15465.0	16770.3	18891.6	21790.6	24307.7	25739.3	25599.2	25423.3	24508.3
62.5°	12708.9	12972.7	14228.5	16693.3	20224.3	23618.0	26404.3	26802.8	26712.1	25654.1
65°	9760.4	9941.8	11192.1	13849.3	17787.0	22136.9	26481.3	27624.4	27640.9	26525.2
67.5°	6498.7	7020.8	8106.2	10392.5	14522.5	19716.0	25805.3	27759.0	27918.4	26824.7
70°	3171.0	3858.0	4921.4	6754.3	10392.5	16003.6	24038.4	26654.4	27008.8	25950.9
72.5°	1316.2	1538.8	2118.6	3333.2	5965.6	10799.1	20488.1	23659.2	24315.9	22994.2
75°	887.6	961.8	1211.8	1709.2	2717.6	5325.4	14775.3	17641.3	18699.3	17366.6
77.5°	684.2	730.9	882.1	1195.3	1615.7	2014.2	7908.4	10631.5	11178.3	10348.5
80°	538.6	574.3	659.5	871.1	1145.9	1077.2	2695.7	4817.0	5133.0	4305.9
82.5°	467.1	480.9	472.6	590.8	761.2	629.3	884.8	1777.9	1962.0	1423.4
85°	338.0	376.5	392.9	365.5	403.9	318.8	362.7	629.3	692.5	618.3
87.5°	137.4	203.3	250.1	236.3	148.4	90.7	112.7	184.1	211.6	230.8
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°
5800.8	0°	5800.8	5800.8	5800.8	5800.8	5800.8	5800.8	5800.8	5800.8	5800.8	5800.8
5803.5	2.5°	5806.3	5825.5	5839.2	5855.7	5866.7	5883.2	5916.2	5935.4	5938.2	5951.9
5847.5	5°	5858.5	5885.9	5916.2	5960.1	6009.6	6050.8	6114.0	6158.0	6174.5	6188.2
5954.6	7.5°	5971.1	6009.6	6064.6	6141.5	6212.9	6267.9	6344.8	6397.0	6449.3	6468.5
6125.0	10°	6138.7	6193.7	6273.4	6377.8	6454.8	6526.2	6605.9	6649.9	6702.1	6724.0
6328.4	12.5°	6347.6	6405.3	6509.7	6655.3	6726.8	6776.3	6803.7	6792.7	6803.7	6823.0
6572.9	15°	6586.7	6649.9	6768.0	6924.6	6974.1	6930.1	6869.7	6814.7	6806.5	6812.0
6869.7	17.5°	6869.7	6916.4	7053.8	7185.7	7150.0	6968.6	6836.7	6748.8	6704.8	6691.1
7248.9	20°	7265.4	7265.4	7378.0	7460.5	7221.4	6913.6	6707.6	6564.7	6474.0	6435.5
7765.5	22.5°	7746.3	7702.3	7773.7	7716.0	7207.7	6759.8	6474.0	6226.7	6089.3	6034.3
8488.2	25°	8356.3	8304.1	8284.8	7927.6	7108.7	6515.2	6050.8	5751.3	5630.4	5600.2
9529.6	27.5°	9276.8	9144.9	8894.9	8043.0	6927.4	6130.5	5556.2	5278.7	5210.0	5212.7
10867.8	30°	10502.4	10238.6	9625.8	8062.3	6630.6	5586.4	5050.6	4852.7	4819.8	4833.5
11991.7	32.5°	11637.2	11387.2	10373.2	7974.3	6174.5	5053.3	4597.2	4465.3	4415.8	4432.3
12849.1	35°	12527.6	12458.9	11065.7	7850.7	5613.9	4553.2	4190.5	4077.8	3981.7	3959.7
13656.9	37.5°	13368.4	13340.9	11585.0	7677.6	5058.8	4198.8	3863.5	3715.1	3575.0	3498.0
14550.0	40°	14291.7	14264.2	11925.8	7411.0	4567.0	3891.0	3569.5	3374.4	3201.3	3061.1
15561.2	42.5°	15330.4	15168.3	12087.9	7029.1	4149.3	3629.9	3330.4	3066.6	2838.6	2709.4
16704.3	45°	16465.3	16099.8	12085.1	6542.7	3797.6	3390.9	3074.9	2701.2	2489.6	2368.7
17877.7	47.5°	17668.8	16990.1	11936.8	6004.1	3456.8	3127.1	2679.2	2393.4	2253.3	2179.1
19152.7	50°	18910.9	17822.7	11684.0	5385.8	3107.8	2827.6	2431.9	2236.8	2129.6	2060.9
20416.7	52.5°	20078.7	18578.4	11378.9	4685.1	2753.4	2536.3	2322.0	2170.8	2058.2	1981.2
21642.3	55°	21164.1	19229.6	10947.5	3967.9	2464.8	2341.2	2269.7	2143.3	2014.2	1923.5
22887.0	57.5°	22128.6	19652.8	10202.9	3294.7	2258.8	2206.5	2214.8	2096.6	1948.2	1871.3
24112.6	60°	22931.0	19963.3	9101.0	2670.9	2091.1	2074.6	2129.6	2008.7	1835.6	1747.6
25148.5	62.5°	23411.9	19957.8	7749.0	2187.3	1948.2	1953.7	2016.9	1898.8	1722.9	1640.5
25689.9	65°	23370.7	19468.7	6265.2	1871.3	1810.8	1816.3	1898.8	1777.9	1629.5	1580.0
25417.8	67.5°	22543.6	18276.1	4806.0	1665.2	1659.7	1684.4	1780.6	1695.4	1571.8	1566.3
23796.6	70°	20304.0	15800.3	3462.3	1500.3	1503.1	1538.8	1665.2	1643.2	1541.6	1552.5
20007.3	72.5°	16281.2	12046.7	2324.7	1327.2	1330.0	1387.7	1555.3	1602.0	1511.3	1657.0
14195.5	75°	10843.1	7512.7	1494.8	1143.1	1145.9	1220.1	1459.1	1522.3	1428.9	1651.5
7386.3	77.5°	5210.0	3377.1	1082.7	961.8	961.8	1030.5	1261.3	1362.9	1217.3	1283.3
2374.2	80°	1799.9	1269.5	851.8	774.9	758.4	805.1	1063.4	1181.6	1049.7	967.3
774.9	82.5°	709.0	659.5	684.2	601.8	546.8	577.1	827.1	975.5	772.2	698.0
436.9	85°	406.7	428.7	483.6	398.4	316.0	354.5	607.3	700.7	582.5	513.9
142.9	87.5°	109.9	151.1	222.6	206.1	142.9	151.1	288.5	387.5	335.2	258.3
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>
5800.8
5949.1
6185.5
6471.2
6735.0
6828.5
6831.2
6710.3
6427.3
6026.1
5605.7
5221.0
4880.2
4454.3
3976.2
3500.8
3074.9
2717.6
2363.2
2162.6
2036.2
1948.2
1887.8
1821.8
1709.2
1615.7
1577.3
1574.5
1549.8
1679.0
1665.2
1176.1
906.8
695.2
524.8
266.5
0.0

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