

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: P851568

Luminaire Tested: **GLAN-SB9C-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851568
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-SB9C-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56517 lumens
Efficiency: N/A
Efficacy: 125.6 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

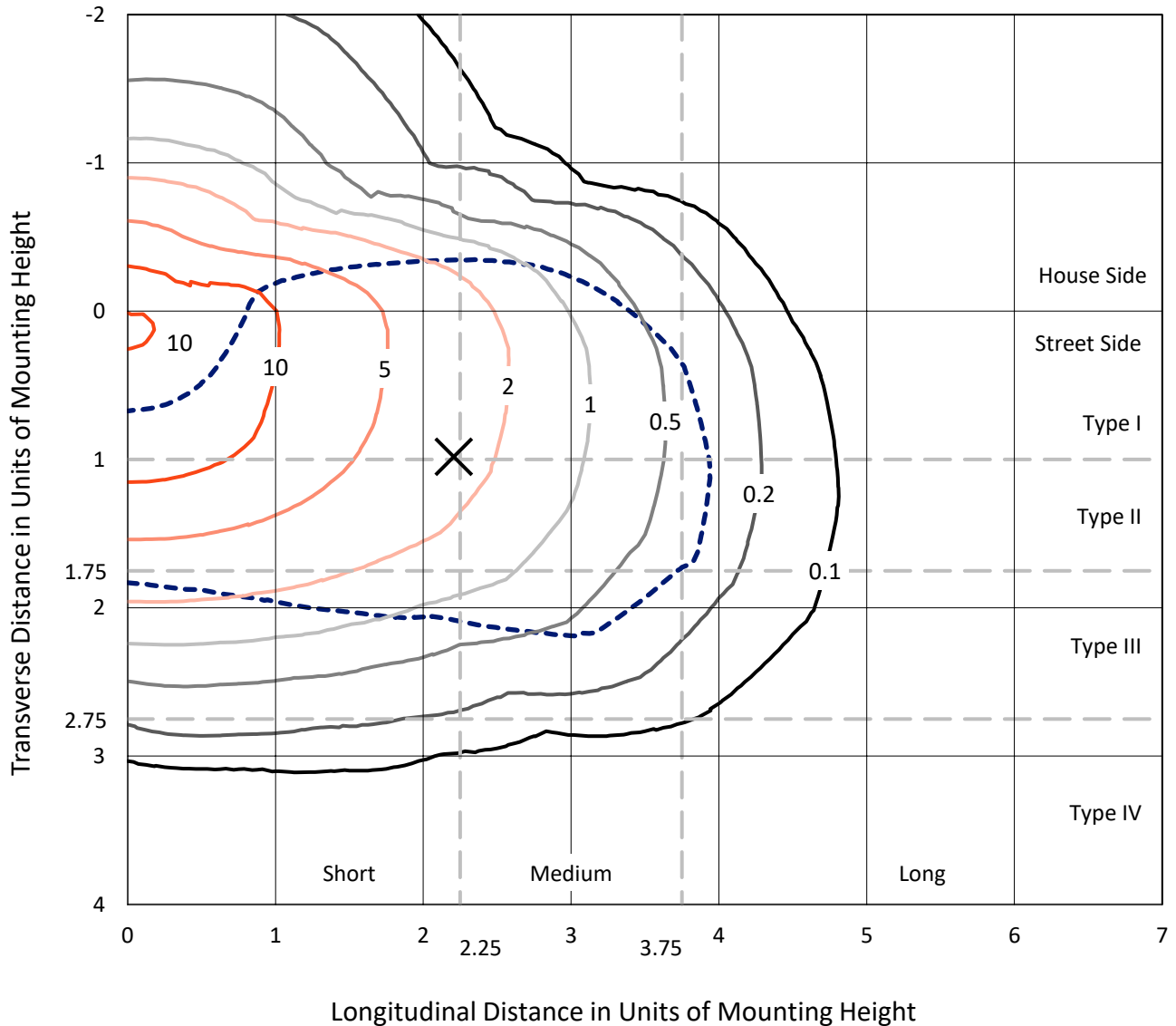
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

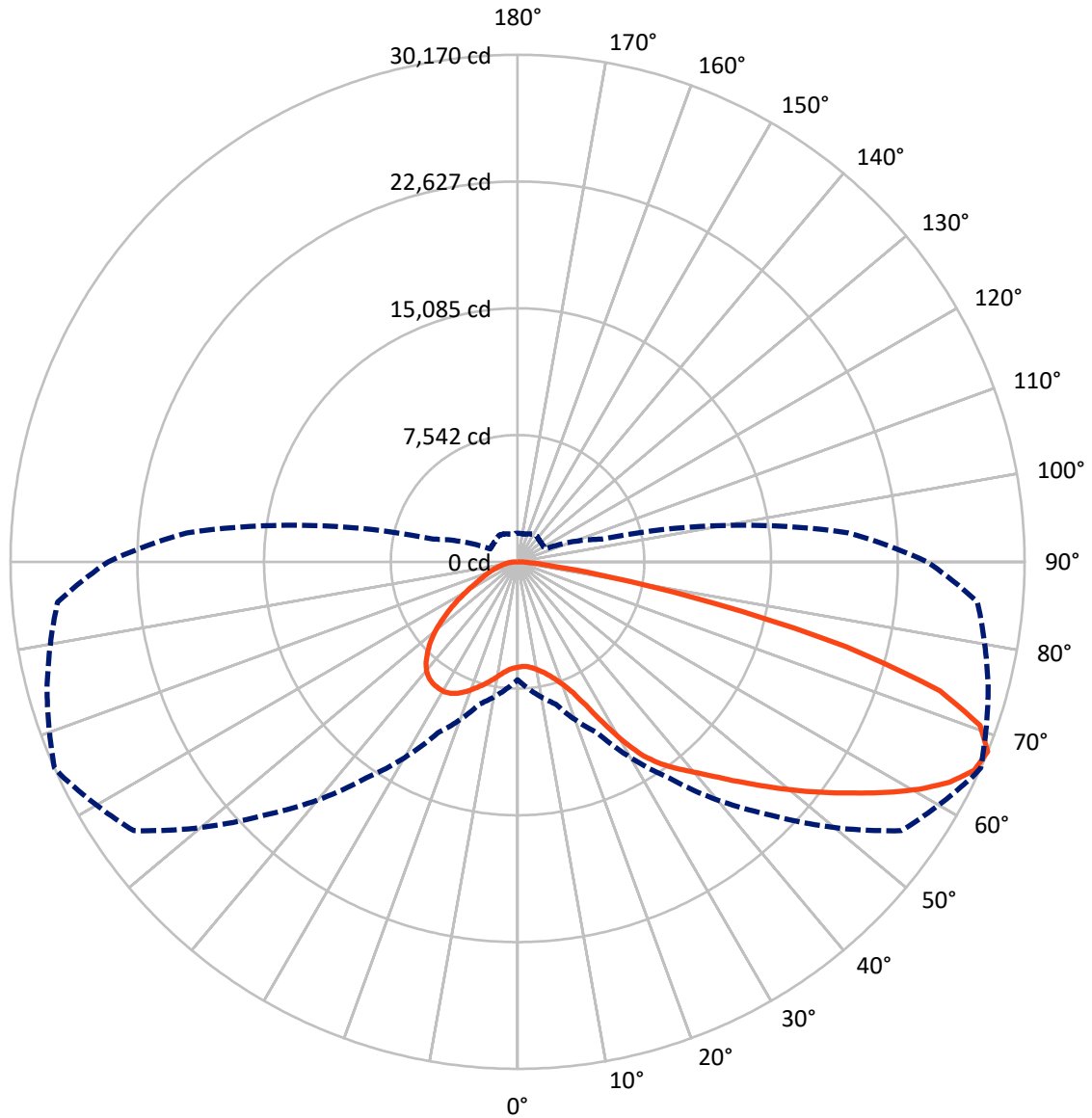
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 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	14052.8	0.0	14052.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	42464.2	0.0	42464.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	56517.0	0.0	56517.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	621.5	1.1
10°-20°	2053.3	3.6
20°-30°	3957.7	7.0
30°-40°	6939.3	12.3
40°-50°	10316.5	18.3
50°-60°	13077.1	23.1
60°-70°	12795.6	22.6
70°-80°	6103.6	10.8
80°-90°	652.3	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°	56517.0	100.0
0°-180°	56517.0	100.0

Coefficient of Utilization

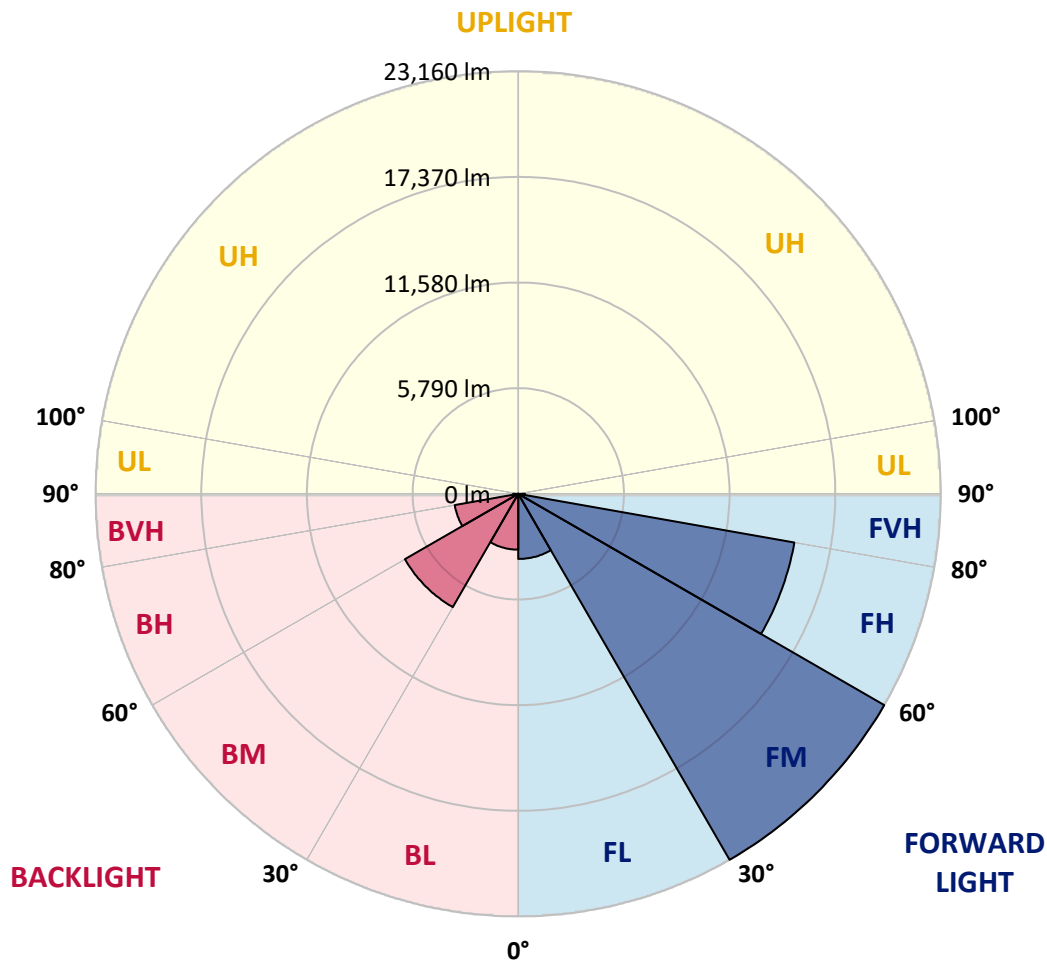


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3571.3	6.3			
FM (30°-60°)	23160.2	41.0			
FH (60°-80°)	15362.9	27.2			G5
FVH (80°-90°)	369.8	0.7			G3/500
BL (0°-30°)	3061.2	5.4	B4/5000		
BM (30°-60°)	7172.7	12.7	B4/8500		
BH (60°-80°)	3536.4	6.3	B4/5000		G4/5000
BVH (80°-90°)	282.5	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°	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5
2.5°	6203.2	6238.8	6229.9	6215.0	6212.1	6218.0	6226.9	6235.8	6232.8	6247.7
5°	6185.3	6221.0	6218.0	6218.0	6229.9	6253.6	6268.5	6283.3	6268.5	6286.3
7.5°	6197.2	6223.9	6235.8	6247.7	6277.4	6321.9	6357.6	6390.2	6372.4	6393.2
10°	6348.7	6369.4	6381.3	6381.3	6402.1	6452.6	6488.2	6547.6	6532.8	6565.4
12.5°	6624.8	6645.6	6645.6	6633.7	6648.6	6681.2	6693.1	6758.4	6731.7	6785.2
15°	6963.3	7004.9	6972.2	6951.5	6957.4	6990.1	6987.1	7037.6	7010.8	7055.4
17.5°	7337.5	7390.9	7337.5	7334.5	7322.6	7358.3	7361.2	7405.8	7358.3	7390.9
20°	7779.9	7854.2	7809.6	7824.5	7797.7	7812.6	7827.4	7892.8	7818.5	7842.3
22.5°	8403.5	8492.6	8445.1	8501.5	8483.7	8471.8	8468.8	8584.6	8468.8	8477.7
25°	9312.2	9419.1	9335.9	9413.1	9413.1	9451.7	9496.3	9644.7	9451.7	9395.3
27.5°	10654.3	10761.2	10597.9	10645.4	10630.6	10725.6	10678.1	11046.3	10838.4	10746.4
30°	12269.7	12459.8	12150.9	12139.1	12124.2	12275.7	12344.0	12587.4	12376.6	12284.6
32.5°	14015.7	14214.7	13846.5	13739.6	13683.2	13775.2	13718.8	13914.8	13769.3	13626.7
35°	15862.7	16058.7	15708.3	15500.5	15274.8	15081.8	14879.9	14930.3	14793.7	14577.0
37.5°	17608.8	17968.1	17596.9	17374.2	16958.5	16581.3	16017.1	15782.6	15654.9	15455.9
40°	19387.5	19592.3	19310.3	19120.2	18668.9	18077.9	17175.2	16679.3	16507.1	16314.1
42.5°	20697.0	20893.0	20741.5	20610.9	20257.5	19571.6	18404.6	17784.0	17534.5	17317.8
45°	21736.3	21881.8	21786.8	21834.3	21682.8	21017.7	19678.5	18968.8	18710.4	18446.1
47.5°	22155.0	22309.4	22460.8	22742.9	23001.3	22511.3	21047.4	20251.6	19978.4	19708.2
50°	22107.5	22264.8	22704.3	23304.1	24105.9	23942.6	22490.5	21617.5	21365.1	21056.3
52.5°	21727.4	21905.5	22469.7	23467.5	24744.3	25014.5	23960.4	23028.0	22790.4	22422.2
55°	20729.6	20836.5	21682.8	23096.3	24895.8	25762.8	25400.6	24530.5	24293.0	23779.3
57.5°	18879.7	19034.1	20266.4	22095.6	24515.7	26270.6	26665.5	26110.3	25881.6	25142.2
60°	16465.5	16712.0	18122.5	20414.9	23547.6	26267.6	27814.7	27663.3	27473.2	26484.4
62.5°	13733.6	14018.7	15375.7	18039.3	21855.1	25522.3	28533.3	28963.9	28865.9	27722.7
65°	10547.4	10743.4	12094.5	14966.0	19221.2	23921.8	28616.5	29851.8	29869.6	28664.0
67.5°	7022.7	7586.9	8759.8	11230.4	15693.5	21305.7	27886.0	29997.3	30169.5	28987.6
70°	3426.7	4169.1	5318.3	7298.9	11230.4	17294.0	25976.6	28803.5	29186.6	28043.4
72.5°	1422.4	1662.9	2289.4	3601.9	6446.6	11669.9	22140.1	25566.9	26276.6	24848.3
75°	959.1	1039.3	1309.5	1847.0	2936.8	5754.8	15966.7	19063.8	20207.0	18766.8
77.5°	739.4	789.9	953.2	1291.7	1746.0	2176.6	8546.0	11488.8	12079.7	11182.9
80°	582.0	620.6	712.7	941.3	1238.3	1164.0	2913.0	5205.4	5546.9	4653.1
82.5°	504.8	519.7	510.7	638.4	822.5	680.0	956.2	1921.2	2120.2	1538.2
85°	365.2	406.8	424.6	394.9	436.5	344.5	392.0	680.0	748.3	668.1
87.5°	148.5	219.7	270.2	255.4	160.3	98.0	121.7	199.0	228.6	249.4
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°
6268.5	0°	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5
6271.5	2.5°	6274.4	6295.2	6310.1	6327.9	6339.7	6357.6	6393.2	6414.0	6417.0	6431.8
6319.0	5°	6330.8	6360.5	6393.2	6440.7	6494.2	6538.7	6607.0	6654.5	6672.3	6687.2
6434.8	7.5°	6452.6	6494.2	6553.5	6636.7	6713.9	6773.3	6856.4	6912.9	6969.3	6990.1
6618.9	10°	6633.7	6693.1	6779.2	6892.1	6975.2	7052.4	7138.5	7186.0	7242.5	7266.2
6838.6	12.5°	6859.4	6921.8	7034.6	7192.0	7269.2	7322.6	7352.3	7340.4	7352.3	7373.1
7102.9	15°	7117.7	7186.0	7313.7	7483.0	7536.4	7488.9	7423.6	7364.2	7355.3	7361.2
7423.6	17.5°	7423.6	7474.1	7622.5	7765.1	7726.5	7530.5	7388.0	7292.9	7245.4	7230.6
7833.4	20°	7851.2	7851.2	7972.9	8062.0	7803.7	7471.1	7248.4	7094.0	6996.0	6954.4
8391.6	22.5°	8370.8	8323.3	8400.5	8338.2	7788.8	7304.8	6996.0	6728.7	6580.3	6520.9
9172.6	25°	9030.1	8973.6	8952.9	8566.8	7681.9	7040.5	6538.7	6215.0	6084.4	6051.7
10298.0	27.5°	10024.8	9882.3	9612.1	8691.5	7486.0	6624.8	6004.2	5704.3	5630.1	5633.0
11744.1	30°	11349.2	11064.1	10401.9	8712.3	7165.3	6036.9	5457.8	5244.0	5208.4	5223.2
12958.6	32.5°	12575.6	12305.3	11209.6	8617.3	6672.3	5460.8	4967.9	4825.3	4771.9	4789.7
13885.1	35°	13537.7	13463.4	11957.9	8483.7	6066.6	4920.4	4528.4	4406.6	4302.7	4279.0
14758.1	37.5°	14446.3	14416.6	12519.1	8296.6	5466.7	4537.3	4175.0	4014.7	3863.2	3780.1
15723.2	40°	15444.0	15414.3	12887.4	8008.6	4935.2	4204.7	3857.3	3646.5	3459.4	3308.0
16815.9	42.5°	16566.5	16391.3	13062.6	7595.8	4483.9	3922.6	3599.0	3313.9	3067.4	2927.9
18051.2	45°	17792.9	17397.9	13059.6	7070.2	4103.8	3664.3	3322.8	2919.0	2690.3	2559.7
19319.2	47.5°	19093.5	18360.0	12899.2	6488.2	3735.6	3379.2	2895.2	2586.4	2434.9	2354.8
20697.0	50°	20435.7	19259.8	12626.0	5820.1	3358.4	3055.6	2628.0	2417.1	2301.3	2227.1
22062.9	52.5°	21697.7	20076.4	12296.4	5062.9	2975.4	2740.8	2509.2	2345.9	2224.1	2141.0
23387.3	55°	22870.6	20780.1	11830.2	4287.9	2663.6	2530.0	2452.8	2316.2	2176.6	2078.6
24732.4	57.5°	23912.9	21237.4	11025.5	3560.4	2440.9	2384.5	2393.4	2265.7	2105.3	2022.2
26056.8	60°	24780.0	21573.0	9834.8	2886.3	2259.7	2241.9	2301.3	2170.7	1983.6	1888.6
27176.3	62.5°	25299.6	21567.0	8373.8	2363.7	2105.3	2111.3	2179.6	2051.9	1861.8	1772.8
27761.3	65°	25255.1	21038.5	6770.3	2022.2	1956.9	1962.8	2051.9	1921.2	1760.9	1707.4
27467.3	67.5°	24361.3	19749.7	5193.5	1799.5	1793.5	1820.3	1924.2	1832.1	1698.5	1692.6
25715.3	70°	21941.2	17074.3	3741.5	1621.3	1624.3	1662.9	1799.5	1775.7	1665.9	1677.7
21620.5	72.5°	17593.9	13018.0	2512.1	1434.2	1437.2	1499.6	1680.7	1731.2	1633.2	1790.6
15340.1	75°	11717.4	8118.4	1615.4	1235.3	1238.3	1318.4	1576.8	1645.1	1544.1	1784.6
7981.8	77.5°	5630.1	3649.4	1170.0	1039.3	1039.3	1113.5	1363.0	1472.8	1315.5	1386.7
2565.6	80°	1945.0	1371.9	920.5	837.4	819.6	870.0	1149.2	1276.9	1134.3	1045.2
837.4	82.5°	766.1	712.7	739.4	650.3	590.9	623.6	893.8	1054.2	834.4	754.2
472.1	85°	439.5	463.2	522.6	430.6	341.5	383.1	656.2	757.2	629.5	555.3
154.4	87.5°	118.8	163.3	240.5	222.7	154.4	163.3	311.8	418.7	362.3	279.1
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>
6268.5
6428.8
6684.2
6993.0
7278.1
7379.1
7382.0
7251.4
6945.5
6512.0
6057.7
5641.9
5273.7
4813.5
4296.8
3783.1
3322.8
2936.8
2553.7
2336.9
2200.4
2105.3
2040.0
1968.7
1847.0
1746.0
1704.5
1701.5
1674.8
1814.3
1799.5
1270.9
979.9
751.3
567.2
288.0
0.0

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