

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: P851778

Luminaire Tested: **GLAN-SB9D-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851778
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-SB9D-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62573 lumens
Efficiency: N/A
Efficacy: 95.1 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

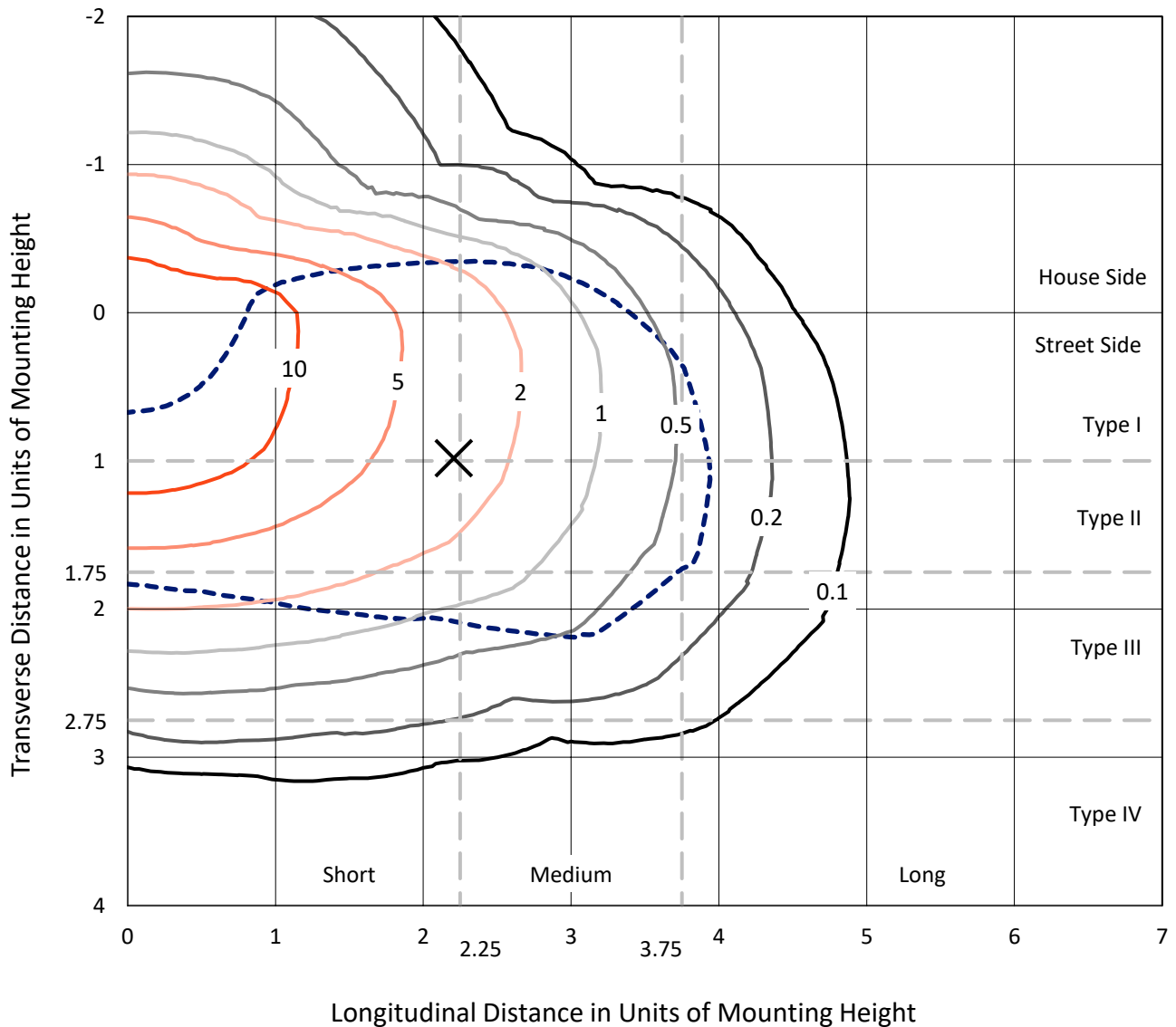
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

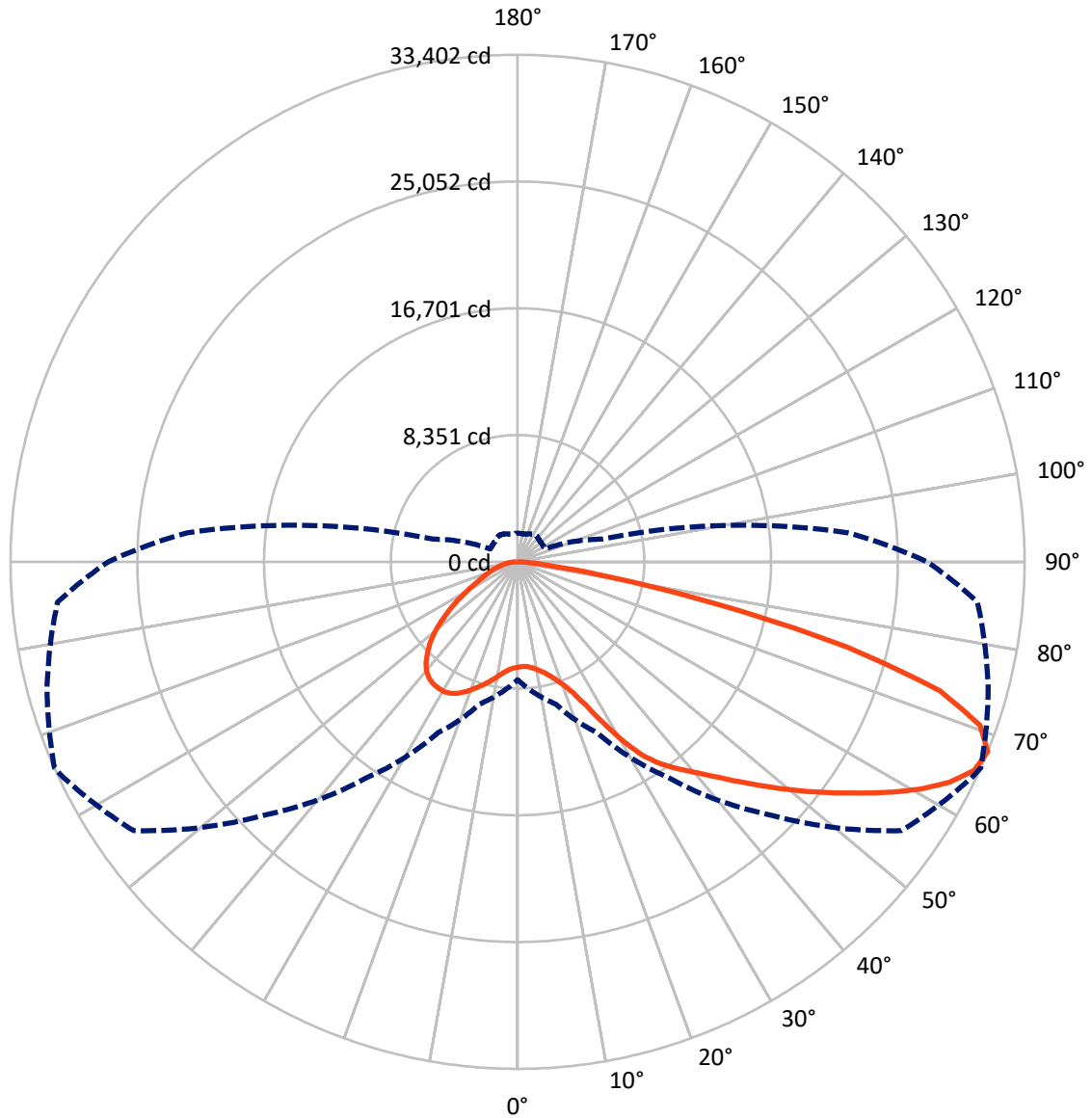
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 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	15558.6	0.0	15558.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	47014.4	0.0	47014.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	62573.0	0.0	62573.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	688.1	1.1
10°-20°	2273.4	3.6
20°-30°	4381.8	7.0
30°-40°	7682.9	12.3
40°-50°	11421.9	18.3
50°-60°	14478.4	23.1
60°-70°	14166.7	22.6
70°-80°	6757.7	10.8
80°-90°	722.2	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°	62573.0	100.0
0°-180°	62573.0	100.0

Coefficient of Utilization

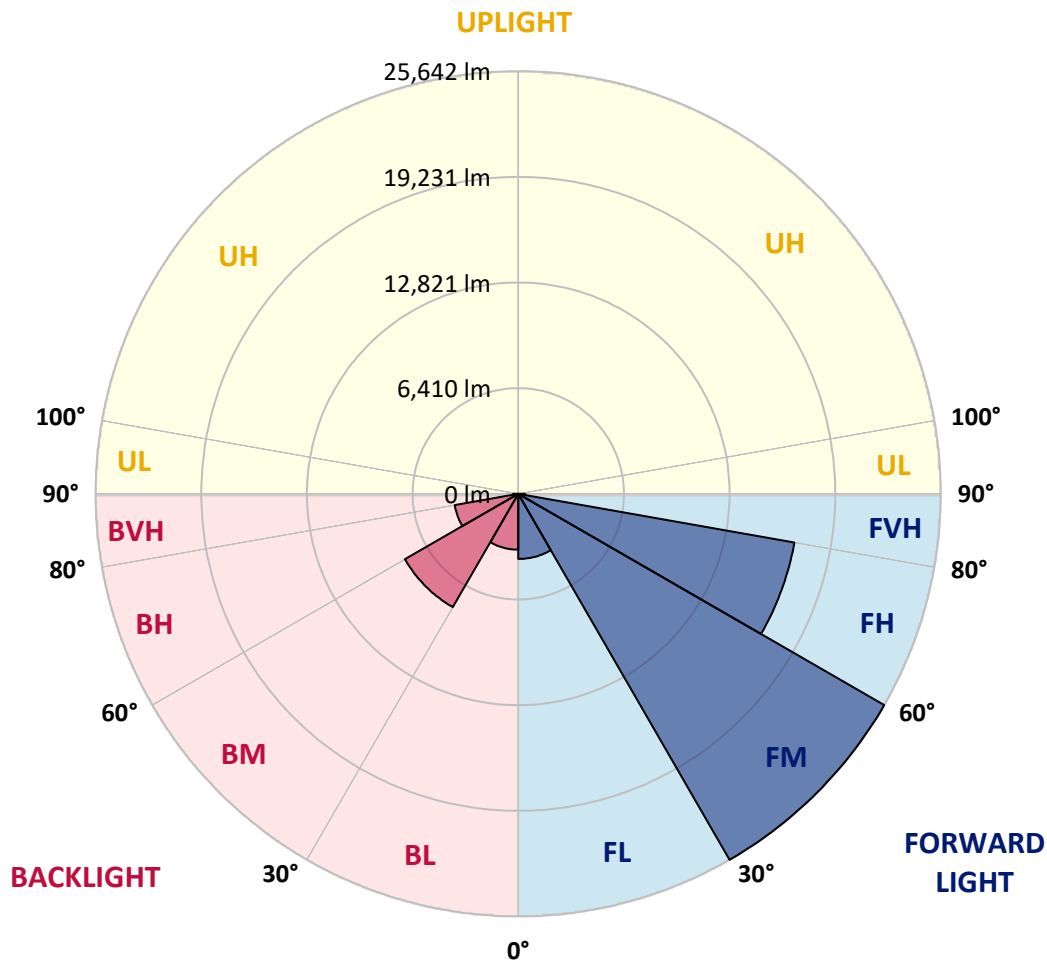


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3954.0	6.3			
FM (30°-60°)	25641.9	41.0			
FH (60°-80°)	17009.1	27.2			G5
FVH (80°-90°)	409.5	0.7			G3/500
BL (0°-30°)	3389.2	5.4	B4/5000		
BM (30°-60°)	7941.3	12.7	B4/8500		
BH (60°-80°)	3915.3	6.3	B4/5000		G4/5000
BVH (80°-90°)	312.7	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°	6940.2	6940.2	6940.2	6940.2	6940.2	6940.2	6940.2	6940.2	6940.2	6940.2
2.5°	6867.8	6907.3	6897.4	6881.0	6877.7	6884.3	6894.1	6904.0	6900.7	6917.2
5°	6848.1	6887.6	6884.3	6884.3	6897.4	6923.7	6940.2	6956.6	6940.2	6959.9
7.5°	6861.3	6890.9	6904.0	6917.2	6950.0	6999.3	7038.8	7075.0	7055.2	7078.3
10°	7028.9	7052.0	7065.1	7065.1	7088.1	7144.0	7183.5	7249.2	7232.8	7268.9
12.5°	7334.7	7357.7	7357.7	7344.6	7361.0	7397.2	7410.3	7482.6	7453.0	7512.2
15°	7709.5	7755.5	7719.3	7696.3	7702.9	7739.1	7735.8	7791.7	7762.1	7811.4
17.5°	8123.7	8182.9	8123.7	8120.4	8107.3	8146.7	8150.0	8199.3	8146.7	8182.9
20°	8613.6	8695.8	8646.4	8662.9	8633.3	8649.7	8666.2	8738.5	8656.3	8682.6
22.5°	9304.0	9402.6	9350.0	9412.5	9392.7	9379.6	9376.3	9504.5	9376.3	9386.2
25°	10310.0	10428.3	10336.3	10421.8	10421.8	10464.5	10513.8	10678.2	10464.5	10402.0
27.5°	11796.0	11914.3	11733.5	11786.1	11769.7	11874.9	11822.3	12230.0	11999.8	11897.9
30°	13584.5	13794.9	13453.0	13439.8	13423.4	13591.0	13666.6	13936.2	13702.8	13600.9
32.5°	15517.6	15737.9	15330.2	15211.8	15149.4	15251.3	15188.8	15405.8	15244.7	15086.9
35°	17562.5	17779.5	17391.5	17161.4	16911.5	16697.8	16474.3	16530.2	16378.9	16138.9
37.5°	19495.6	19893.4	19482.5	19235.9	18775.6	18358.1	17733.4	17473.7	17332.3	17112.1
40°	21464.9	21691.7	21379.4	21169.0	20669.3	20015.1	19015.6	18466.6	18275.9	18062.2
42.5°	22914.7	23131.7	22964.0	22819.4	22428.2	21668.7	20376.7	19689.6	19413.4	19173.4
45°	24065.4	24226.5	24121.3	24173.9	24006.2	23269.8	21787.1	21001.3	20715.3	20422.7
47.5°	24529.0	24699.9	24867.6	25179.9	25465.9	24923.5	23302.7	22421.6	22119.1	21820.0
50°	24476.4	24650.6	25137.2	25801.3	26688.9	26508.1	24900.5	23933.9	23654.4	23312.5
52.5°	24055.5	24252.8	24877.4	25982.1	27395.8	27694.9	26527.8	25495.5	25232.5	24824.8
55°	22950.9	23069.3	24006.2	25571.1	27563.4	28523.4	28122.3	27159.1	26896.0	26327.3
57.5°	20902.7	21073.7	22438.0	24463.2	27142.6	29085.6	29522.9	28908.1	28654.9	27836.3
60°	18229.9	18502.7	20064.4	22602.4	26070.9	29082.3	30795.2	30627.5	30417.1	29322.3
62.5°	15205.3	15520.9	17023.3	19972.3	24196.9	28257.1	31590.8	32067.5	31959.0	30693.3
65°	11677.6	11894.6	13390.5	16569.6	21280.8	26485.1	31682.8	33050.5	33070.2	31735.4
67.5°	7775.2	8399.9	9698.5	12433.8	17375.1	23588.7	30874.1	33211.6	33402.3	32093.8
70°	3793.9	4615.8	5888.1	8081.0	12433.8	19147.1	28760.1	31889.9	32314.0	31048.3
72.5°	1574.8	1841.1	2534.8	3987.9	7137.4	12920.4	24512.5	28306.4	29092.2	27510.8
75°	1061.9	1150.7	1449.8	2044.9	3251.5	6371.4	17677.6	21106.5	22372.3	20777.8
77.5°	818.6	874.5	1055.3	1430.1	1933.1	2409.8	9461.8	12719.8	13374.1	12381.2
80°	644.4	687.1	789.0	1042.2	1370.9	1288.7	3225.2	5763.2	6141.3	5151.7
82.5°	558.9	575.3	565.5	706.8	910.7	752.9	1058.6	2127.1	2347.4	1703.0
85°	404.4	450.4	470.1	437.3	483.3	381.4	434.0	752.9	828.5	739.7
87.5°	164.4	243.3	299.2	282.7	177.5	108.5	134.8	220.3	253.1	276.2
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°
6940.2	0°	6940.2	6940.2	6940.2	6940.2	6940.2	6940.2	6940.2	6940.2	6940.2	6940.2
6943.5	2.5°	6946.7	6969.8	6986.2	7005.9	7019.1	7038.8	7078.3	7101.3	7104.6	7121.0
6996.1	5°	7009.2	7042.1	7078.3	7130.9	7190.0	7239.3	7315.0	7367.6	7387.3	7403.7
7124.3	7.5°	7144.0	7190.0	7255.8	7347.8	7433.3	7499.1	7591.1	7653.6	7716.1	7739.1
7328.1	10°	7344.6	7410.3	7505.6	7630.6	7722.6	7808.1	7903.4	7956.0	8018.5	8044.8
7571.4	12.5°	7594.4	7663.4	7788.4	7962.6	8048.1	8107.3	8140.2	8127.0	8140.2	8163.2
7864.0	15°	7880.4	7956.0	8097.4	8284.8	8344.0	8291.4	8219.1	8153.3	8143.4	8150.0
8219.1	17.5°	8219.1	8274.9	8439.3	8597.1	8554.4	8337.4	8179.6	8074.4	8021.8	8005.4
8672.8	20°	8692.5	8692.5	8827.3	8925.9	8639.9	8271.7	8025.1	7854.1	7745.6	7699.6
9290.8	22.5°	9267.8	9215.2	9300.7	9231.6	8623.4	8087.6	7745.6	7449.8	7285.4	7219.6
10155.5	25°	9997.7	9935.2	9912.2	9484.8	8505.1	7795.0	7239.3	6881.0	6736.3	6700.2
11401.5	27.5°	11099.0	10941.2	10642.0	9622.9	8288.1	7334.7	6647.6	6315.5	6233.3	6236.6
13002.5	30°	12565.3	12249.7	11516.5	9645.9	7933.0	6683.7	6042.7	5805.9	5766.5	5782.9
14347.2	32.5°	13923.1	13623.9	12410.8	9540.7	7387.3	6045.9	5500.2	5342.4	5283.2	5302.9
15372.9	35°	14988.3	14906.1	13239.3	9392.7	6716.6	5447.6	5013.6	4878.8	4763.8	4737.5
16339.5	37.5°	15994.3	15961.4	13860.6	9185.6	6052.5	5023.5	4622.4	4444.9	4277.2	4185.1
17408.0	40°	17098.9	17066.1	14268.3	8866.7	5464.0	4655.3	4270.6	4037.2	3830.1	3662.4
18617.8	42.5°	18341.6	18147.7	14462.3	8409.7	4964.3	4343.0	3984.6	3669.0	3396.1	3241.6
19985.5	45°	19699.4	19262.2	14459.0	7827.8	4543.5	4056.9	3678.9	3231.7	2978.6	2833.9
21389.3	47.5°	21139.4	20327.4	14281.4	7183.5	4135.8	3741.3	3205.4	2863.5	2695.9	2607.1
22914.7	50°	22625.4	21323.5	13979.0	6443.7	3718.3	3383.0	2909.5	2676.1	2547.9	2465.7
24427.0	52.5°	24022.7	22227.6	13614.0	5605.4	3294.2	3034.5	2778.0	2597.2	2462.4	2370.4
25893.3	55°	25321.3	23006.8	13097.9	4747.3	2949.0	2801.1	2715.6	2564.3	2409.8	2301.3
27382.6	57.5°	26475.2	23513.1	12206.9	3941.9	2702.4	2640.0	2649.8	2508.5	2330.9	2238.9
28848.9	60°	27435.2	23884.6	10888.6	3195.6	2501.9	2482.2	2547.9	2403.3	2196.1	2090.9
30088.3	62.5°	28010.5	23878.0	9271.1	2616.9	2330.9	2337.5	2413.1	2271.7	2061.3	1962.7
30736.0	65°	27961.2	23292.8	7495.8	2238.9	2166.5	2173.1	2271.7	2127.1	1949.6	1890.4
30410.5	67.5°	26971.7	21866.0	5750.1	1992.3	1985.7	2015.3	2130.4	2028.5	1880.5	1873.9
28470.8	70°	24292.2	18903.8	4142.4	1795.0	1798.3	1841.1	1992.3	1966.0	1844.4	1857.5
23937.2	72.5°	19479.2	14412.9	2781.3	1587.9	1591.2	1660.2	1860.8	1916.7	1808.2	1982.4
16983.9	75°	12973.0	8988.4	1788.5	1367.7	1370.9	1459.7	1745.7	1821.3	1709.6	1975.9
8837.1	77.5°	6233.3	4040.5	1295.3	1150.7	1150.7	1232.9	1509.0	1630.7	1456.4	1535.3
2840.5	80°	2153.4	1518.9	1019.2	927.1	907.4	963.3	1272.3	1413.7	1255.9	1157.2
927.1	82.5°	848.2	789.0	818.6	720.0	654.2	690.4	989.6	1167.1	923.8	835.1
522.7	85°	486.6	512.9	578.6	476.7	378.1	424.1	726.6	838.3	697.0	614.8
171.0	87.5°	131.5	180.8	266.3	246.6	171.0	180.8	345.2	463.6	401.1	309.0
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>
6940.2
7117.7
7400.4
7742.4
8058.0
8169.7
8173.0
8028.4
7689.8
7209.8
6706.8
6246.5
5838.8
5329.2
4757.2
4188.4
3678.9
3251.5
2827.4
2587.4
2436.1
2330.9
2258.6
2179.7
2044.9
1933.1
1887.1
1883.8
1854.2
2008.7
1992.3
1407.1
1084.9
831.8
627.9
318.9
0.0

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