

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: McGRAW-EDISON

Report Number: P953299

Luminaire Tested: **GALN-SB6D-927-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-927-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37334 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

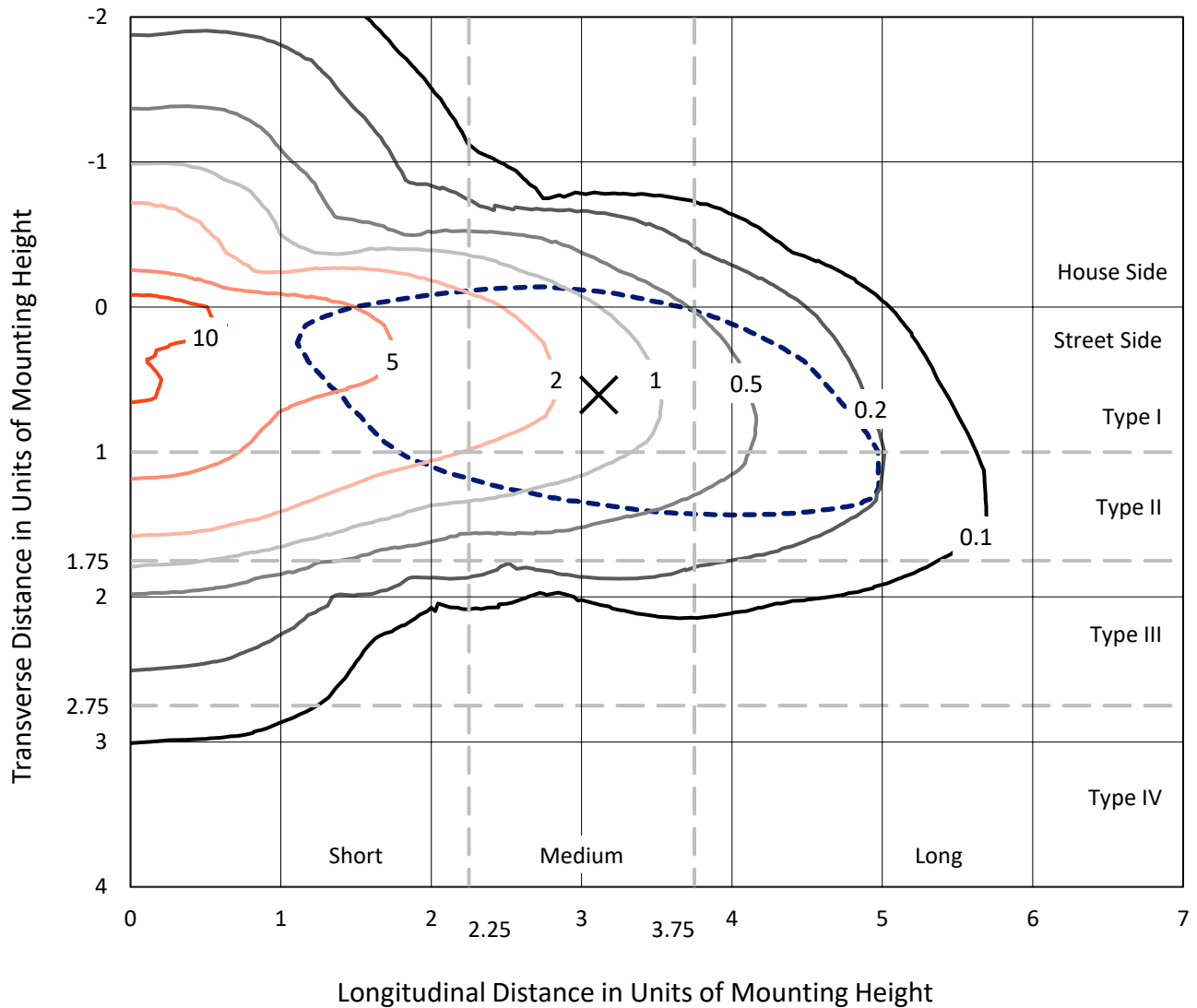
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

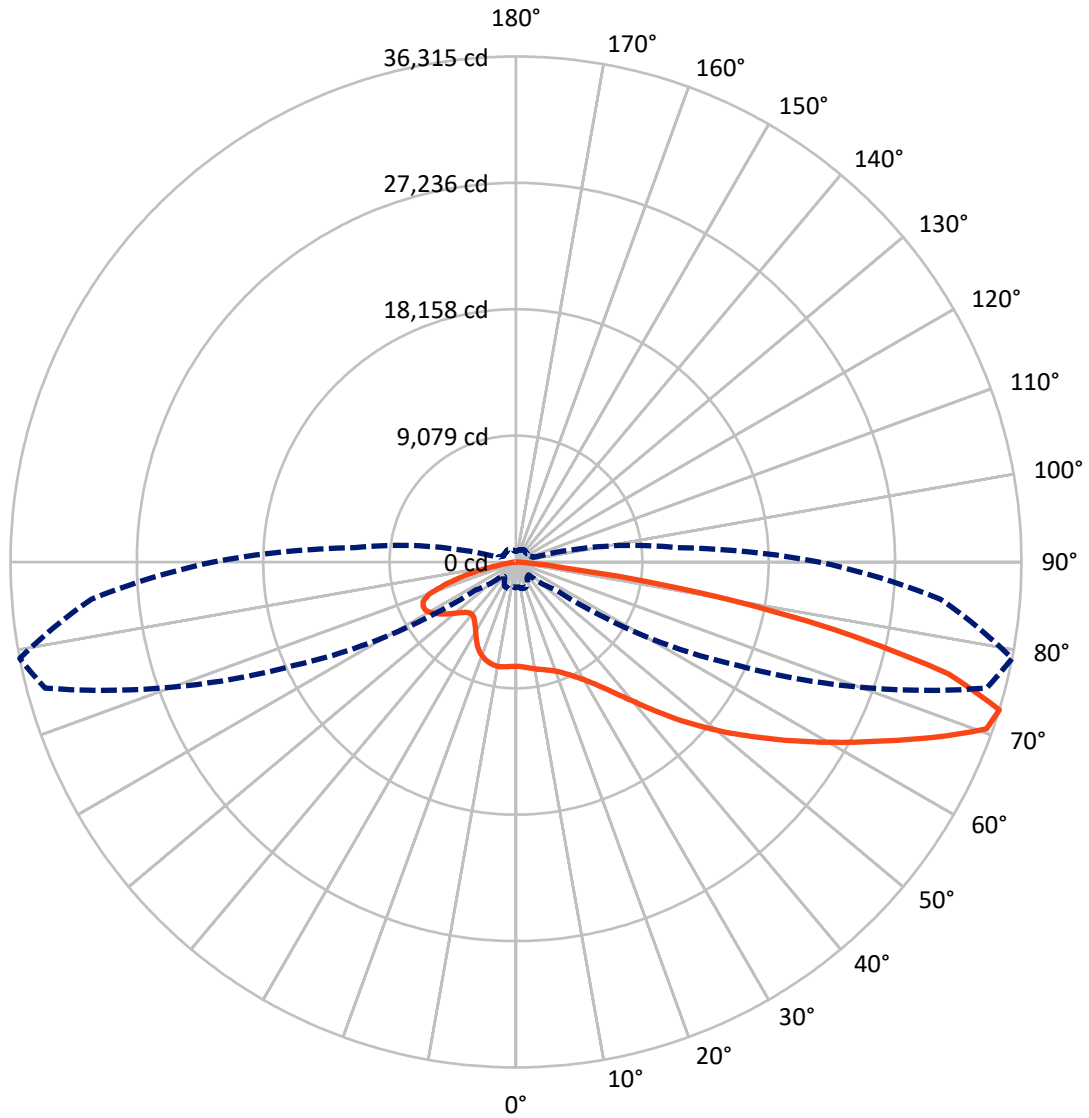
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8215.5	0.0	8215.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	29118.5	0.0	29118.5
	% Fixture	78.0	0.0	78.0
Total	Lumens	37334.0	0.0	37334.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.3	1.8
10°-20°	1778.6	4.8
20°-30°	2869.9	7.7
30°-40°	4307.3	11.5
40°-50°	6110.2	16.4
50°-60°	7716.4	20.7
60°-70°	7837.0	21.0
70°-80°	5341.3	14.3
80°-90°	693.0	1.9
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°	37334.0	100.0
0°-180°	37334.0	100.0



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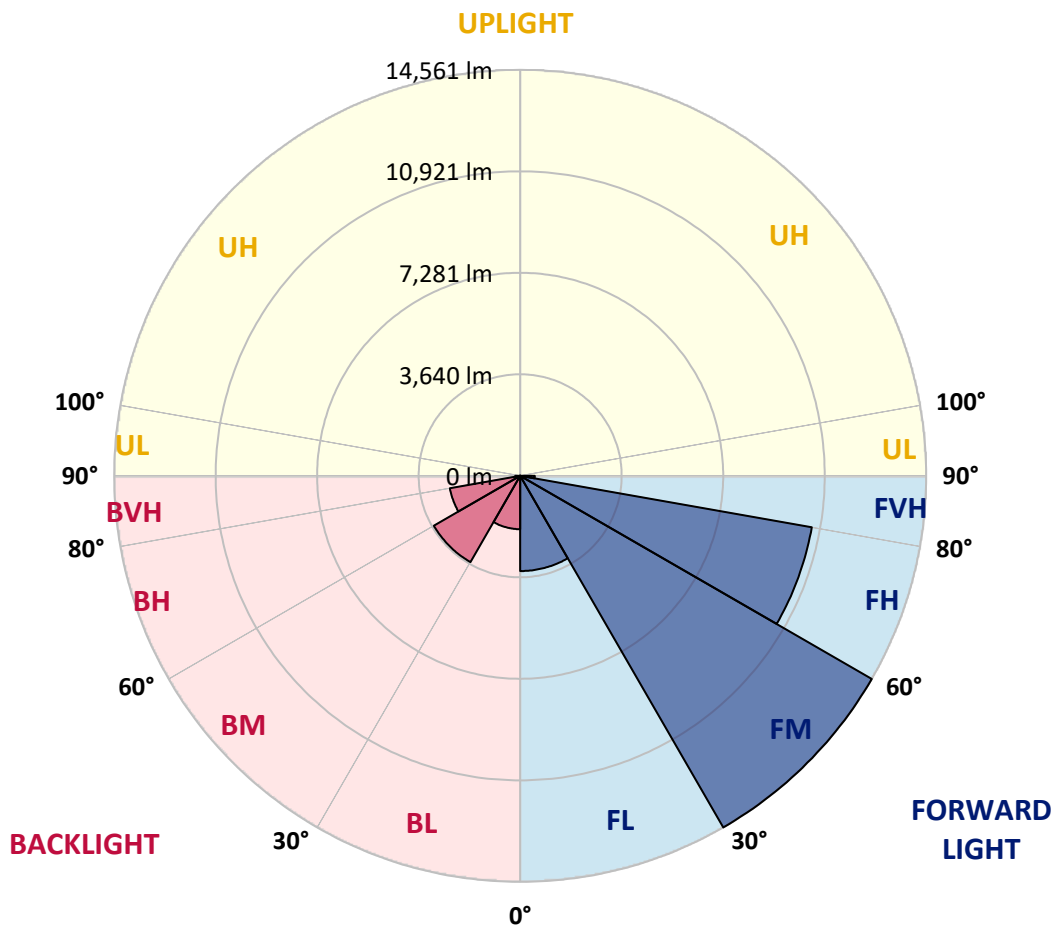
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3415.2	9.1			
FM (30°-60°)	14561.0	39.0			
FH (60°-80°)	10620.3	28.4			G4/12000
FVH (80°-90°)	522.0	1.4			G4/750
BL (0°-30°)	1913.6	5.1	B3/2500		
BM (30°-60°)	3572.9	9.6	B3/5000		
BH (60°-80°)	2558.0	6.9	B4/5000		G4/5000
BVH (80°-90°)	171.0	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	7494.4	7494.4	7494.4	7494.4	7494.4	7494.4	7494.4	7494.4	7494.4	7494.4
2.5°	7498.4	7462.8	7484.6	7476.7	7486.5	7498.4	7502.3	7508.3	7528.0	7526.0
5°	7482.6	7447.0	7476.7	7466.8	7492.5	7520.1	7543.8	7565.5	7597.1	7611.0
7.5°	7449.0	7425.3	7454.9	7484.6	7532.0	7573.4	7607.0	7656.4	7701.8	7709.7
10°	7253.5	7235.7	7304.9	7381.9	7512.2	7624.8	7697.9	7755.1	7804.5	7812.4
12.5°	7050.1	7028.4	7105.4	7210.1	7421.4	7624.8	7778.8	7853.9	7897.3	7923.0
15°	7016.5	6998.8	7042.2	7133.1	7308.8	7571.5	7834.1	7972.4	8009.9	8039.5
17.5°	7178.5	7144.9	7162.7	7194.3	7297.0	7522.1	7877.6	8106.6	8163.9	8195.5
20°	7553.7	7506.3	7478.6	7415.5	7397.7	7530.0	7873.6	8268.6	8343.6	8383.1
22.5°	8053.3	8021.7	7962.5	7802.5	7628.7	7626.8	7948.7	8475.9	8616.1	8653.7
25°	8657.6	8610.2	8535.2	8317.9	7984.2	7818.3	8075.0	8740.6	8975.6	8985.4
27.5°	9352.8	9281.7	9179.0	8892.6	8442.4	8118.5	8268.6	9044.7	9388.3	9384.3
30°	10085.4	10014.3	9905.7	9558.1	8991.4	8523.3	8537.2	9372.5	9878.1	9856.3
32.5°	10620.6	10567.3	10545.5	10277.0	9623.3	9001.2	8845.2	9735.9	10482.3	10462.6
35°	11031.3	10962.2	10987.9	10851.6	10312.5	9536.4	9222.4	10168.4	11217.0	11215.0
37.5°	11438.2	11376.9	11398.7	11307.8	10950.4	10215.7	9682.5	10697.6	12127.4	12170.8
40°	11809.4	11744.3	11831.2	11746.2	11446.1	10938.5	10205.9	11296.0	13181.9	13264.9
42.5°	12032.6	11981.2	12125.4	12127.4	11876.6	11548.8	10780.5	11955.6	14402.4	14588.0
45°	12109.6	12091.8	12309.1	12354.5	12257.7	11902.2	11298.0	12674.4	15717.6	16049.4
47.5°	12026.7	11993.1	12293.3	12461.1	12538.1	12068.1	11726.5	13452.5	17060.5	17546.3
50°	11608.0	11542.8	11989.1	12342.6	12617.1	12176.7	12159.0	14351.0	18587.0	19118.2
52.5°	10855.6	10806.2	11313.7	11927.9	12443.3	12230.1	12644.8	15332.5	20036.5	20723.8
55°	9893.9	9828.7	10387.6	11189.3	12010.9	12212.3	13130.6	16430.5	21746.7	22443.8
57.5°	8369.3	8239.0	8945.9	9893.9	11305.8	12190.6	13636.1	17522.6	23484.6	24319.9
60°	6145.6	5952.1	6819.1	7942.7	9927.4	11979.3	14262.2	18747.0	25570.0	26322.4
62.5°	3578.4	3465.8	4032.6	5081.2	7482.6	10735.1	14613.7	20170.8	27619.8	28409.8
65°	2778.6	2747.0	2796.3	2877.3	4164.9	8037.5	13529.5	21559.1	30226.6	30779.6
67.5°	2541.6	2517.9	2539.6	2387.6	2113.1	4476.9	10703.5	21910.6	33019.0	33354.7
70°	2259.2	2231.5	2302.6	2172.3	1662.8	2036.0	6915.8	20634.9	35240.7	35870.6
72.5°	1840.5	1808.9	1974.8	1915.6	1400.1	1307.3	3473.7	17603.6	35007.7	36315.0
75°	1414.0	1396.2	1593.7	1643.1	1141.4	1028.9	1666.7	13085.2	30807.2	32124.4
77.5°	1098.0	1084.2	1184.9	1364.6	920.3	797.8	1024.9	8300.2	23216.0	23447.0
80°	823.5	784.0	876.8	1056.5	716.9	582.6	695.1	4840.3	14674.9	13302.4
82.5°	515.4	495.7	572.7	705.0	505.6	400.9	452.2	2673.9	5881.0	3463.8
85°	294.2	286.3	312.0	402.9	274.5	231.1	258.7	1180.9	1074.3	738.6
87.5°	118.5	114.5	142.2	179.7	100.7	84.9	90.8	284.4	237.0	219.2
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°
7494.4	0°	7494.4	7494.4	7494.4	7494.4	7494.4	7494.4	7494.4	7494.4	7494.4	7494.4
7524.1	2.5°	7516.2	7516.2	7488.5	7445.1	7395.7	7364.1	7312.8	7298.9	7245.6	7229.8
7591.2	5°	7607.0	7591.2	7506.3	7383.9	7216.0	7062.0	6892.1	6785.5	6635.4	6582.1
7723.5	7.5°	7721.5	7678.1	7532.0	7263.4	6911.9	6566.3	6206.9	5934.3	5673.7	5580.8
7832.1	10°	7826.2	7765.0	7516.2	7046.2	6437.9	5839.5	5266.8	4866.0	4561.8	4437.4
7952.6	12.5°	7930.9	7818.3	7411.5	6684.8	5764.5	4952.9	4342.6	4030.6	3843.0	3692.9
8051.3	15°	8029.6	7871.6	7249.6	6200.9	5025.9	4202.4	3752.2	3503.3	3353.2	3254.5
8195.5	17.5°	8144.2	7917.1	7006.7	5586.8	4322.9	3683.0	3315.7	3165.6	3136.0	3124.2
8393.0	20°	8304.1	7958.5	6686.7	4899.5	3805.5	3268.3	3078.7	3064.9	3062.9	3057.0
8630.0	22.5°	8475.9	8007.9	6264.1	4275.5	3365.1	3009.6	2976.1	2948.4	2930.6	2928.7
8916.3	25°	8679.3	8023.7	5734.9	3764.0	2989.9	2887.2	2847.7	2806.2	2794.4	2794.4
9242.2	27.5°	8876.8	7970.4	5118.7	3319.7	2778.6	2774.6	2723.3	2709.5	2707.5	2713.4
9613.4	30°	9074.3	7869.7	4506.5	2908.9	2656.1	2656.1	2638.4	2648.2	2656.1	2675.9
10122.9	32.5°	9340.9	7763.0	3995.1	2604.8	2549.5	2529.7	2547.5	2567.3	2575.2	2600.8
10792.4	35°	9731.9	7688.0	3588.2	2438.9	2438.9	2413.2	2423.1	2419.2	2401.4	2389.5
11602.1	37.5°	10249.3	7684.0	3252.5	2361.9	2346.1	2342.1	2344.1	2318.4	2249.3	2166.4
12581.6	40°	10871.4	7790.7	2993.8	2308.6	2296.7	2320.4	2308.6	2239.4	2049.9	1905.7
13786.2	42.5°	11706.7	8094.8	2827.9	2243.4	2278.9	2308.6	2261.2	2022.2	1893.9	1797.1
15158.7	45°	12690.2	8588.5	2743.0	2174.3	2245.4	2280.9	2051.8	1947.2	1844.5	1728.0
16655.6	47.5°	13804.0	9210.6	2723.3	2109.1	2170.3	2192.1	1963.0	1915.6	1799.1	1672.7
18160.5	50°	15016.5	9947.2	2776.6	2032.1	2061.7	1986.7	1933.3	1889.9	1769.4	1645.0
19702.8	52.5°	16270.5	10758.8	2883.2	1927.4	1953.1	1870.2	1921.5	1884.0	1751.7	1583.8
21296.5	55°	17502.8	11576.4	2985.9	1805.0	1842.5	1765.5	1887.9	1860.3	1670.7	1481.1
22996.8	57.5°	18754.9	12390.0	3086.6	1696.4	1735.9	1664.8	1834.6	1797.1	1579.9	1386.3
24853.1	60°	20056.3	13180.0	3134.0	1591.7	1619.4	1572.0	1753.6	1688.5	1477.2	1289.6
26677.9	62.5°	21274.7	13837.6	3057.0	1487.0	1504.8	1485.1	1647.0	1560.1	1374.5	1180.9
28579.6	65°	22497.2	14228.6	2820.0	1384.3	1388.3	1378.4	1496.9	1421.9	1254.0	1086.2
30244.4	67.5°	23605.0	14447.8	2442.9	1273.8	1263.9	1259.9	1356.7	1271.8	1137.5	991.4
31510.2	70°	23840.0	13890.9	1866.2	1143.4	1143.4	1133.5	1202.7	1115.8	1009.1	890.6
30603.8	72.5°	21774.4	11685.0	1325.1	995.3	1011.1	991.4	1048.6	975.6	878.8	799.8
26375.7	75°	17558.1	8568.7	963.7	843.2	870.9	837.3	890.6	839.3	756.4	754.4
18176.3	77.5°	12064.2	5298.4	699.1	695.1	714.9	671.4	732.7	705.0	630.0	596.4
7911.1	80°	5148.4	2113.1	509.5	537.2	537.2	497.7	568.7	576.6	511.5	495.7
1526.5	82.5°	1024.9	600.3	357.4	369.3	347.6	335.7	402.9	446.3	616.1	685.3
460.1	85°	308.1	221.2	215.3	201.4	177.7	179.7	237.0	448.3	552.9	316.0
152.1	87.5°	84.9	55.3	57.3	45.4	37.5	49.4	81.0	339.7	185.6	79.0
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>
7494.4
7255.5
6621.6
5592.7
4465.1
3742.3
3272.3
3132.1
3076.8
2950.4
2806.2
2729.2
2689.7
2622.6
2417.2
2168.4
1901.8
1793.1
1720.1
1662.8
1631.2
1572.0
1471.2
1382.4
1283.6
1179.0
1074.3
979.5
886.7
776.1
679.3
558.9
495.7
687.2
272.5
67.1
0.0

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