

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: P952753

Luminaire Tested: **GALN-SB6C-735-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952753
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-SB6C-735-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45139 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

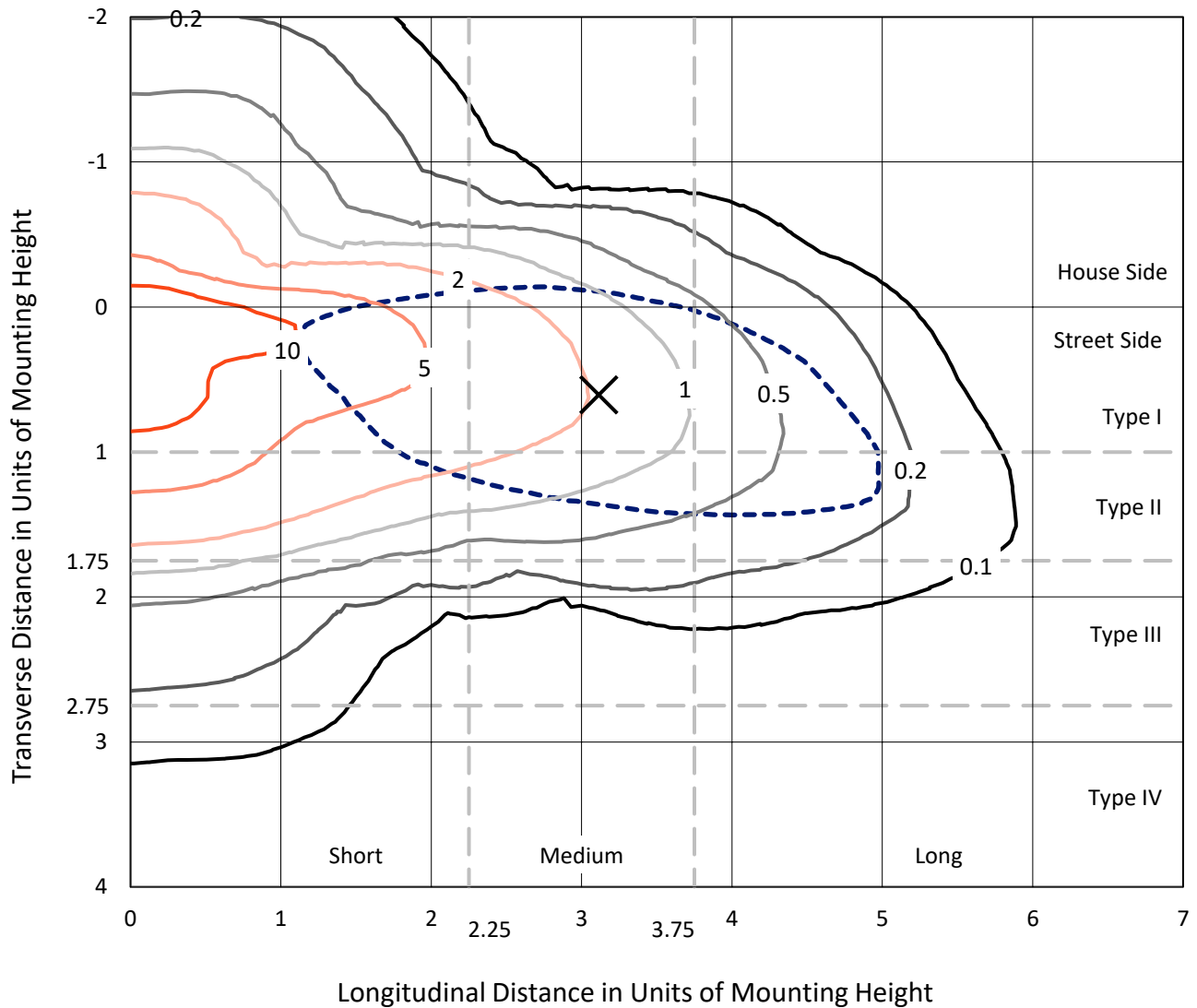
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

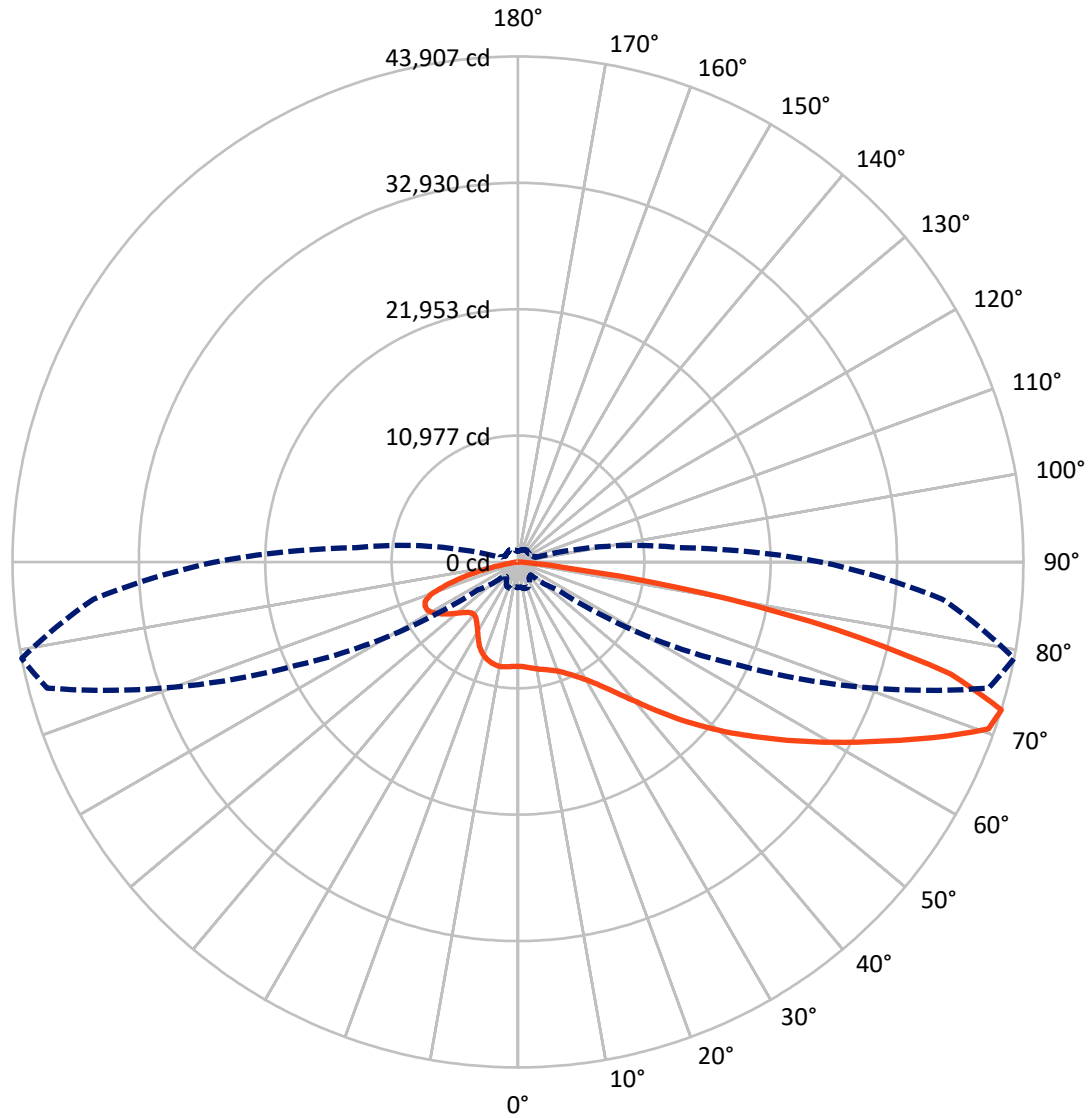
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 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	9933.1	0.0	9933.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	35205.9	0.0	35205.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	45139.0	0.0	45139.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	822.5	1.8
10°-20°	2150.4	4.8
20°-30°	3469.9	7.7
30°-40°	5207.8	11.5
40°-50°	7387.6	16.4
50°-60°	9329.5	20.7
60°-70°	9475.4	21.0
70°-80°	6457.9	14.3
80°-90°	837.9	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°	45139.0	100.0
0°-180°	45139.0	100.0



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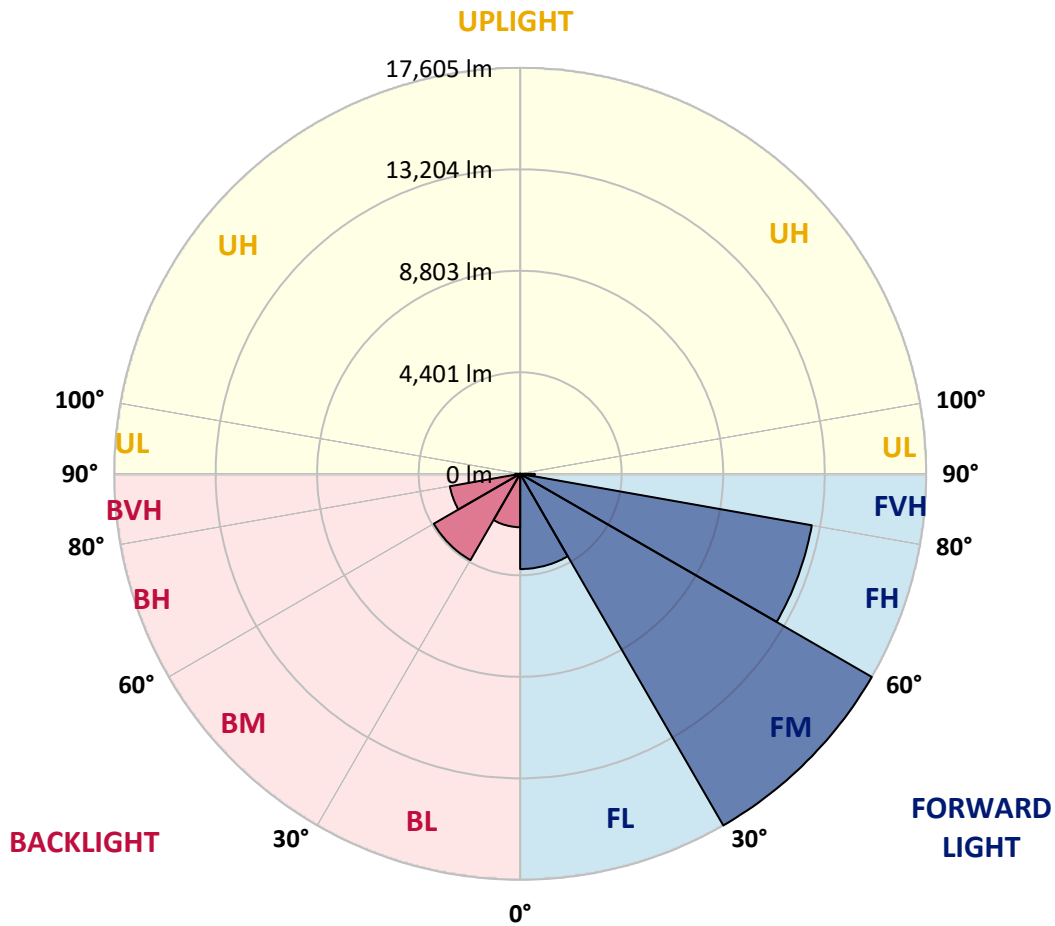
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4129.1	9.1			
FM (30°-60°)	17605.1	39.0			
FH (60°-80°)	12840.5	28.4			G5
FVH (80°-90°)	631.2	1.4			G4/750
BL (0°-30°)	2313.7	5.1	B3/2500		
BM (30°-60°)	4319.8	9.6	B3/5000		
BH (60°-80°)	3092.8	6.9	B4/5000		G4/5000
BVH (80°-90°)	206.7	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-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	9061.2	9061.2	9061.2	9061.2	9061.2	9061.2	9061.2	9061.2	9061.2	9061.2
2.5°	9066.0	9023.0	9049.3	9039.7	9051.7	9066.0	9070.8	9077.9	9101.8	9099.4
5°	9046.9	9003.9	9039.7	9027.8	9058.8	9092.3	9120.9	9147.2	9185.4	9202.1
7.5°	9006.3	8977.7	9013.5	9049.3	9106.6	9156.7	9197.3	9257.0	9311.9	9321.5
10°	8769.9	8748.4	8832.0	8925.1	9082.7	9218.8	9307.2	9376.4	9436.1	9445.6
12.5°	8524.0	8497.7	8590.9	8717.4	8972.9	9218.8	9405.1	9495.8	9548.3	9579.4
15°	8483.4	8461.9	8514.4	8624.3	8836.8	9154.3	9471.9	9639.0	9684.4	9720.2
17.5°	8679.2	8638.6	8660.1	8698.3	8822.5	9094.7	9524.4	9801.4	9870.6	9908.8
20°	9132.9	9075.6	9042.1	8965.7	8944.2	9104.2	9519.7	9997.2	10087.9	10135.7
22.5°	9736.9	9698.7	9627.1	9433.7	9223.6	9221.2	9610.4	10247.9	10417.4	10462.8
25°	10467.6	10410.3	10319.5	10056.9	9653.4	9452.8	9763.2	10567.8	10852.0	10863.9
27.5°	11308.0	11222.1	11097.9	10751.7	10207.3	9815.7	9997.2	10935.5	11351.0	11346.2
30°	12193.9	12107.9	11976.6	11556.3	10871.1	10305.2	10321.9	11331.9	11943.1	11916.9
32.5°	12840.9	12776.4	12750.2	12425.5	11635.1	10883.0	10694.4	11771.2	12673.8	12649.9
35°	13337.6	13254.0	13285.0	13120.3	12468.4	11530.1	11150.4	12294.1	13562.0	13559.6
37.5°	13829.4	13755.4	13781.7	13671.8	13239.7	12351.4	11706.8	12934.0	14662.7	14715.2
40°	14278.3	14199.5	14304.6	14201.9	13839.0	13225.3	12339.5	13657.5	15937.7	16038.0
42.5°	14548.1	14486.0	14660.3	14662.7	14359.5	13963.1	13034.3	14455.0	17413.3	17637.8
45°	14641.2	14619.7	14882.4	14937.3	14820.3	14390.5	13659.9	15324.1	19003.5	19404.6
47.5°	14540.9	14500.3	14863.3	15066.2	15159.3	14591.1	14178.0	16264.8	20627.1	21214.5
50°	14034.8	13956.0	14495.6	14923.0	15254.9	14722.4	14700.9	17351.2	22472.8	23115.1
52.5°	13125.0	13065.4	13679.0	14421.6	15044.7	14786.9	15288.3	18537.9	24225.3	25056.3
55°	11962.2	11883.5	12559.2	13528.6	14521.8	14765.4	15875.6	19865.5	26293.1	27135.9
57.5°	10119.0	9961.4	10816.2	11962.2	13669.4	14739.1	16486.9	21185.8	28394.2	29404.2
60°	7430.4	7196.5	8244.6	9603.2	12002.8	14483.6	17243.8	22666.2	30915.6	31825.3
62.5°	4326.5	4190.4	4875.6	6143.5	9046.9	12979.4	17668.8	24387.7	33394.0	34349.1
65°	3359.5	3321.3	3380.9	3478.8	5035.6	9717.8	16358.0	26066.2	36545.7	37214.3
67.5°	3072.9	3044.3	3070.5	2886.7	2554.8	5412.9	12941.2	26491.2	39921.9	40327.8
70°	2731.5	2698.1	2784.0	2626.4	2010.4	2461.7	8361.6	24948.8	42608.1	43369.7
72.5°	2225.3	2187.1	2387.7	2316.0	1692.9	1580.6	4199.9	21283.7	42326.3	43906.9
75°	1709.6	1688.1	1926.9	1986.5	1380.1	1244.0	2015.2	15820.7	37247.7	38840.3
77.5°	1327.5	1310.8	1432.6	1649.9	1112.7	964.6	1239.2	10035.4	28069.5	28348.9
80°	995.7	947.9	1060.1	1277.4	866.7	704.4	840.5	5852.2	17742.8	16083.4
82.5°	623.2	599.3	692.4	852.4	611.2	484.7	546.8	3232.9	7110.5	4188.0
85°	355.8	346.2	377.3	487.1	331.9	279.4	312.8	1427.8	1298.9	893.0
87.5°	143.3	138.5	171.9	217.3	121.8	102.7	109.8	343.8	286.5	265.0
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°
9061.2	0°	9061.2	9061.2	9061.2	9061.2	9061.2	9061.2	9061.2	9061.2	9061.2	9061.2
9097.0	2.5°	9087.5	9087.5	9054.1	9001.5	8941.8	8903.6	8841.6	8824.8	8760.4	8741.3
9178.2	5°	9197.3	9178.2	9075.6	8927.5	8724.6	8538.3	8333.0	8204.0	8022.6	7958.1
9338.2	7.5°	9335.8	9283.3	9106.6	8781.9	8356.9	7939.0	7504.5	7175.0	6859.8	6747.6
9469.5	10°	9462.4	9388.3	9087.5	8519.2	7783.8	7060.4	6367.9	5883.2	5515.5	5365.1
9615.2	12.5°	9588.9	9452.8	8960.9	8082.3	6969.6	5988.3	5250.5	4873.2	4646.4	4465.0
9734.5	15°	9708.3	9517.3	8765.2	7497.3	6076.6	5081.0	4536.6	4235.7	4054.3	3934.9
9908.8	17.5°	9846.8	9572.2	8471.5	6754.7	5226.6	4453.0	4008.9	3827.4	3791.6	3777.3
10147.6	20°	10040.2	9622.3	8084.7	5923.8	4601.0	3951.6	3722.4	3705.7	3703.3	3696.1
10434.1	22.5°	10247.9	9682.0	7573.7	5169.3	4068.6	3638.8	3598.2	3564.8	3543.3	3540.9
10780.4	25°	10493.8	9701.1	6933.8	4550.9	3614.9	3490.8	3443.0	3392.9	3378.6	3378.6
11174.3	27.5°	10732.6	9636.7	6188.9	4013.7	3359.5	3354.7	3292.6	3275.9	3273.5	3280.7
11623.2	30°	10971.4	9514.9	5448.7	3517.0	3211.4	3211.4	3189.9	3201.9	3211.4	3235.3
12239.2	32.5°	11293.7	9385.9	4830.3	3149.3	3082.5	3058.6	3080.1	3104.0	3113.5	3144.6
13048.6	35°	11766.5	9295.2	4338.4	2948.8	2948.8	2917.7	2929.7	2924.9	2903.4	2889.1
14027.6	37.5°	12392.0	9290.4	3932.5	2855.7	2836.6	2831.8	2834.2	2803.1	2719.6	2619.3
15211.9	40°	13144.1	9419.4	3619.7	2791.2	2776.9	2805.5	2791.2	2707.6	2478.4	2304.1
16668.4	42.5°	14154.1	9787.1	3419.2	2712.4	2755.4	2791.2	2733.9	2445.0	2289.8	2172.8
18327.8	45°	15343.2	10384.0	3316.5	2628.8	2714.8	2757.8	2480.8	2354.2	2230.1	2089.2
20137.6	47.5°	16689.8	11136.1	3292.6	2550.0	2624.1	2650.3	2373.3	2316.0	2175.2	2022.4
21957.1	50°	18155.9	12026.7	3357.1	2456.9	2492.7	2402.0	2337.5	2285.0	2139.4	1988.9
23821.8	52.5°	19672.1	13008.1	3486.0	2330.4	2361.4	2261.1	2323.2	2277.8	2117.9	1914.9
25748.7	55°	21162.0	13996.5	3610.2	2182.3	2227.7	2134.6	2282.6	2249.2	2020.0	1790.8
27804.5	57.5°	22675.7	14980.3	3731.9	2051.0	2098.8	2012.8	2218.1	2172.8	1910.1	1676.1
30048.9	60°	24249.2	15935.3	3789.2	1924.5	1957.9	1900.6	2120.3	2041.5	1786.0	1559.2
32255.1	62.5°	25722.4	16730.4	3696.1	1797.9	1819.4	1795.5	1991.3	1886.3	1661.8	1427.8
34554.4	65°	27200.4	17203.2	3409.6	1673.8	1678.5	1666.6	1809.9	1719.1	1516.2	1313.2
36567.2	67.5°	28539.9	17468.2	2953.6	1540.1	1528.1	1523.3	1640.3	1537.7	1375.3	1198.6
38097.7	70°	28824.0	16794.9	2256.4	1382.5	1382.5	1370.5	1454.1	1349.0	1220.1	1076.8
37001.8	72.5°	26326.5	14127.9	1602.1	1203.4	1222.5	1198.6	1267.9	1179.5	1062.5	967.0
31889.8	75°	21228.8	10360.1	1165.2	1019.5	1053.0	1012.4	1076.8	1014.8	914.5	912.1
21976.2	77.5°	14586.3	6406.1	845.2	840.5	864.3	811.8	885.8	852.4	761.7	721.1
9565.0	80°	6224.7	2554.8	616.0	649.4	649.4	601.7	687.7	697.2	618.4	599.3
1845.7	82.5°	1239.2	725.9	432.2	446.5	420.2	405.9	487.1	539.6	745.0	828.5
556.3	85°	372.5	267.4	260.3	243.5	214.9	217.3	286.5	542.0	668.5	382.0
183.9	87.5°	102.7	66.9	69.2	54.9	45.4	59.7	97.9	410.7	224.4	95.5
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>
9061.2
8772.3
8005.9
6761.9
5398.5
4524.6
3956.4
3786.9
3720.0
3567.2
3392.9
3299.8
3252.0
3170.8
2922.5
2621.7
2299.3
2168.0
2079.7
2010.4
1972.2
1900.6
1778.8
1671.4
1552.0
1425.4
1298.9
1184.3
1072.1
938.4
821.4
675.7
599.3
830.9
329.5
81.2
0.0

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