

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: P953141

Luminaire Tested: **GALN-SB6D-740-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953141  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB6D-740-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

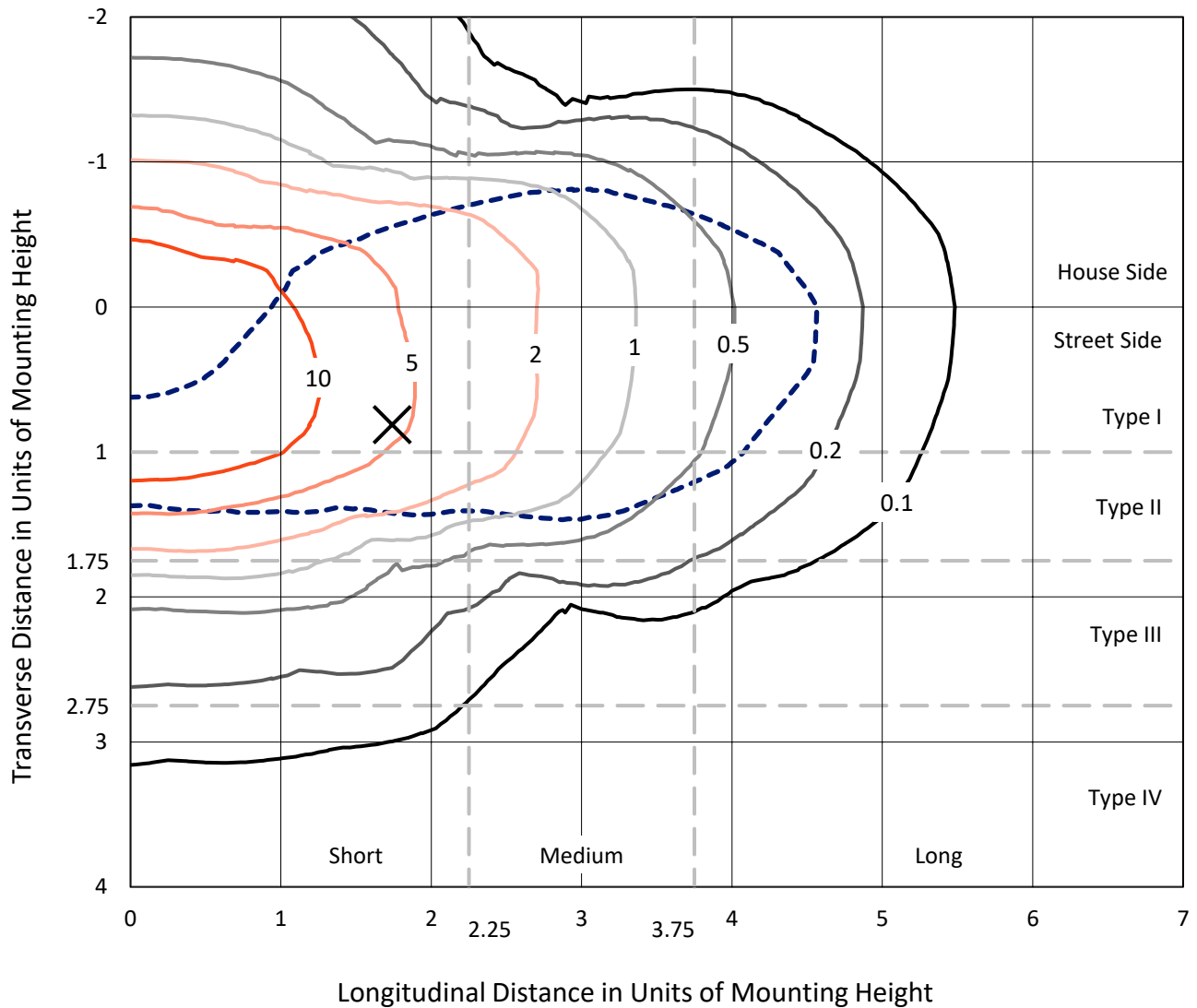
Lumens per Lamp: N/A  
Luminaire Lumens: 66160 lumens  
Efficiency: N/A  
Efficacy: 150.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

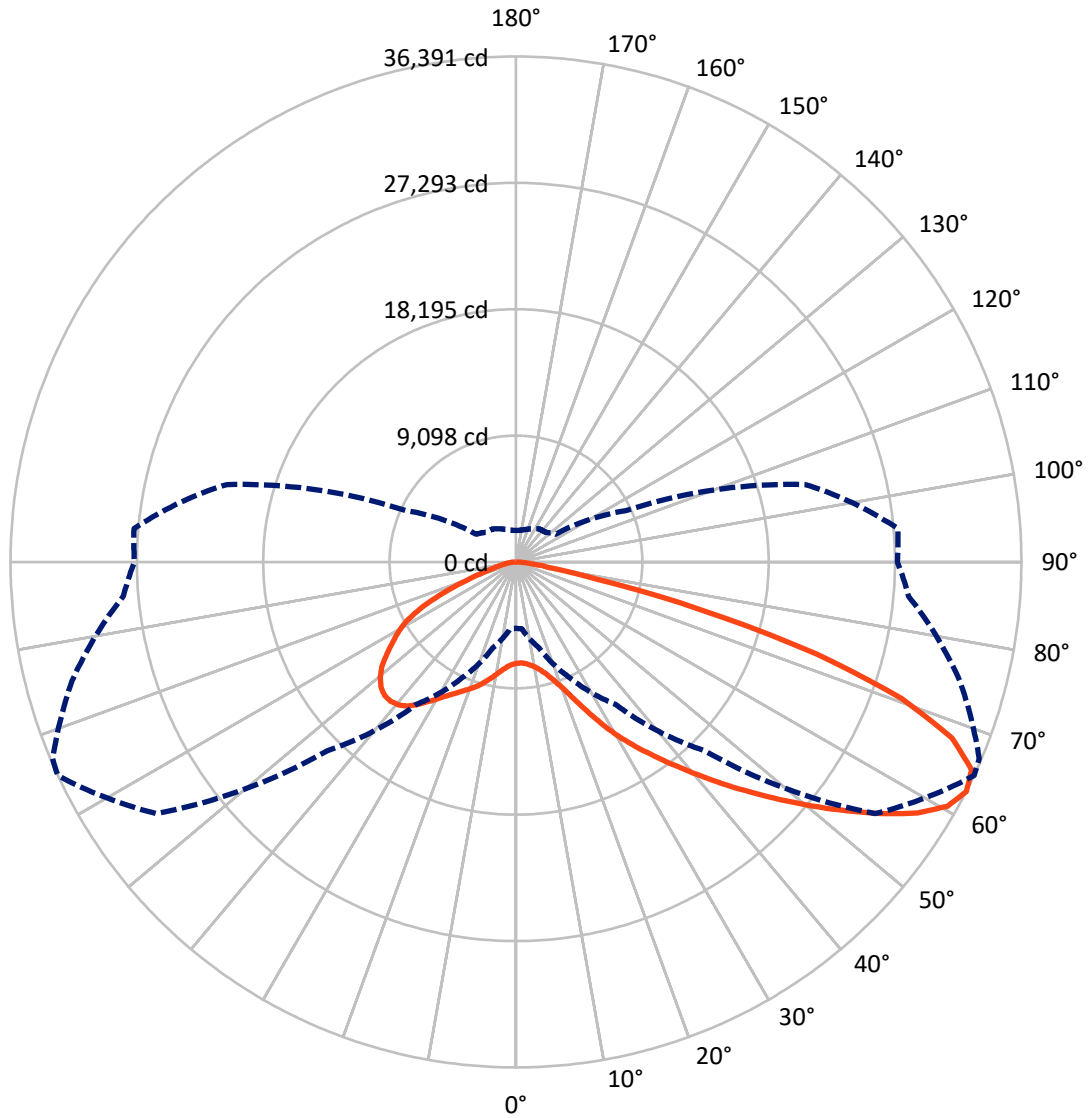
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20877.2	0.0	20877.2
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	45282.8	0.0	45282.8
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	66160.0	0.0	66160.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	726.9	1.1
10°-20°	2464.8	3.7
20°-30°	4997.7	7.6
30°-40°	8648.5	13.1
40°-50°	13087.8	19.8
50°-60°	15344.7	23.2
60°-70°	12864.6	19.4
70°-80°	7102.3	10.7
80°-90°	922.6	1.4
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°	66160.0	100.0
0°-180°	66160.0	100.0

**Coefficient of Utilization**

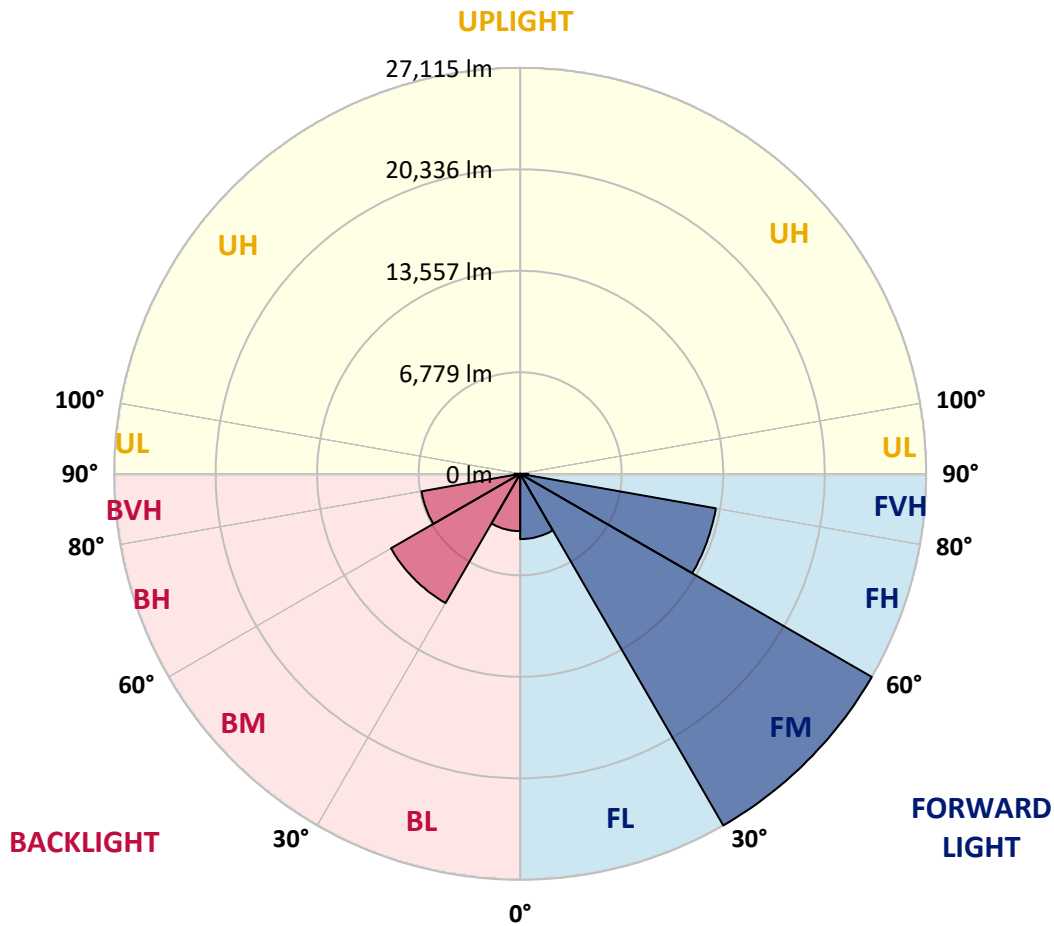


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4360.8	6.6			
FM (30°-60°)	27114.5	41.0			
FH (60°-80°)	13269.8	20.1			G5
FVH (80°-90°)	537.7	0.8			G4/750
BL (0°-30°)	3828.6	5.8	B4/5000		
BM (30°-60°)	9966.5	15.1	B5		
BH (60°-80°)	6697.2	10.1	B5		G5
BVH (80°-90°)	384.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	7290.5	7290.5	7290.5	7290.5	7290.5	7290.5	7290.5	7290.5	7290.5	7290.5
2.5°	7242.5	7221.9	7239.1	7239.1	7245.9	7242.5	7266.5	7273.4	7283.7	7304.3
5°	7170.4	7167.0	7197.9	7225.3	7252.8	7276.8	7307.7	7352.3	7359.2	7383.2
7.5°	7146.4	7125.8	7173.8	7208.2	7273.4	7331.7	7414.1	7489.6	7520.5	7530.8
10°	7331.7	7297.4	7342.0	7362.6	7417.5	7475.9	7572.0	7692.1	7726.5	7767.7
12.5°	7647.5	7609.8	7675.0	7705.9	7757.4	7808.8	7874.1	7990.8	8007.9	8083.4
15°	8080.0	8035.4	8076.6	8114.3	8200.1	8248.2	8313.4	8426.7	8426.7	8485.0
17.5°	8667.0	8608.6	8639.5	8653.2	8708.2	8780.2	8890.1	8989.6	9041.1	9020.5
20°	9542.2	9470.2	9470.2	9401.5	9380.9	9439.3	9583.4	9720.7	9775.6	9669.2
22.5°	10856.9	10753.9	10695.5	10462.1	10369.5	10376.3	10520.5	10688.7	10733.3	10544.5
25°	12528.5	12367.2	12288.2	11945.0	11735.6	11553.7	11666.9	11883.2	11945.0	11711.6
27.5°	14200.1	14210.4	14134.9	13723.0	13376.3	13043.3	12985.0	13211.5	13276.8	13012.5
30°	16544.5	16300.8	16156.6	15662.3	15168.0	14701.2	14461.0	14553.6	14570.8	14255.0
32.5°	18566.2	18504.4	18195.5	17763.0	17128.0	16396.9	15995.3	15847.7	15820.2	15370.6
35°	20869.4	20835.0	20508.9	19994.1	19307.6	18291.6	17567.3	17145.1	17110.8	16479.2
37.5°	23210.3	23210.3	22891.1	22328.2	21617.6	20347.6	19245.8	18576.5	18466.6	17642.8
40°	25077.6	24964.3	25022.6	24785.8	23972.3	22623.3	21109.6	20138.2	19990.6	19002.1
42.5°	26138.2	26100.4	26450.5	26714.8	26381.9	25304.1	23162.2	21830.4	21624.5	20498.7
45°	26375.0	26333.8	26958.5	27926.5	28393.3	27950.5	25393.3	23611.9	23361.3	22063.9
47.5°	25829.3	25746.9	26663.3	28190.8	29687.3	30466.5	27809.8	25544.4	25180.5	23587.9
50°	24188.5	24109.6	25496.3	27524.9	30123.3	32175.9	30432.2	27593.5	27037.5	25221.7
52.5°	20622.2	20660.0	22832.7	25619.9	29550.0	33239.9	32690.7	29752.6	29083.2	26893.3
55°	16063.9	16146.3	18816.7	21885.4	27257.2	33078.6	34231.9	31976.8	31310.9	28465.4
57.5°	11502.2	11866.0	14368.3	17406.0	22853.3	30521.4	34568.3	34091.2	33445.9	30181.6
60°	7455.3	7520.5	10094.9	13156.6	17402.6	25976.9	33885.2	35694.2	35189.6	31932.2
62.5°	4778.0	4822.6	6391.2	9202.4	12525.0	19218.3	31585.5	36390.9	36236.5	33088.9
65°	3511.4	3477.1	4294.0	6082.3	8437.0	11852.3	27119.9	36054.6	36360.0	33813.2
67.5°	2931.3	2883.3	3284.9	4211.6	6216.2	6731.1	20066.2	33868.1	34987.1	33730.8
70°	2670.5	2629.3	2873.0	3127.0	4850.1	4506.8	10115.5	29443.6	31166.7	32793.7
72.5°	2262.0	2189.9	2522.9	2776.9	3772.3	3456.5	4180.7	22616.5	24717.1	29790.3
75°	1754.0	1705.9	1990.8	2443.9	2835.2	2697.9	2643.0	13733.3	16026.2	23038.7
77.5°	1390.1	1324.9	1585.8	1905.0	2550.3	2035.4	1925.6	5914.1	8186.4	14708.1
80°	1046.9	988.5	1204.8	1506.8	1959.9	1534.3	1246.0	2413.0	3085.8	7451.9
82.5°	744.8	693.4	841.0	1105.3	1318.1	1376.4	765.4	1352.4	1520.6	2873.0
85°	477.1	446.2	562.9	693.4	837.5	885.6	466.8	707.1	775.7	1184.2
87.5°	260.9	212.8	302.1	322.7	387.9	353.5	223.1	257.4	278.0	429.1
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°
7290.5	0°	7290.5	7290.5	7290.5	7290.5	7290.5	7290.5	7290.5	7290.5	7290.5	7290.5
7304.3	2.5°	7318.0	7328.3	7362.6	7372.9	7397.0	7427.8	7448.4	7469.0	7469.0	7489.6
7414.1	5°	7417.5	7441.6	7513.7	7551.4	7613.2	7675.0	7712.7	7757.4	7784.8	7798.5
7589.2	7.5°	7609.8	7647.5	7750.5	7815.7	7922.1	8007.9	8066.3	8128.1	8141.8	8179.6
7832.9	10°	7870.6	7915.3	8032.0	8155.5	8282.5	8388.9	8443.9	8488.5	8505.6	8512.5
8145.2	12.5°	8169.3	8234.5	8385.5	8536.5	8670.4	8763.1	8776.8	8766.5	8718.4	8677.3
8529.7	15°	8536.5	8594.9	8763.1	8927.8	9058.3	9075.4	8989.6	8934.7	8876.3	8866.0
8958.7	17.5°	8975.9	9006.8	9161.2	9322.6	9332.9	9274.5	9147.5	9096.0	9041.1	9003.3
9518.2	20°	9487.3	9477.0	9586.9	9655.5	9583.4	9404.9	9212.7	9126.9	9072.0	9027.4
10204.7	22.5°	10098.3	10019.4	10005.6	9988.5	9796.2	9422.1	9161.2	9051.4	8965.6	8903.8
11162.4	25°	10987.3	10685.2	10475.9	10359.2	9926.7	9329.4	8996.5	8752.8	8591.4	8485.0
12332.8	27.5°	12099.4	11591.4	11062.8	10777.9	9926.7	9140.6	8598.3	8203.6	7939.3	7829.4
13465.5	30°	13160.1	12628.0	11848.9	11282.5	9902.6	8831.7	7956.4	7407.2	7098.3	6988.5
14433.5	32.5°	14066.2	13486.1	12682.9	11835.1	9844.3	8330.6	7160.1	6552.6	6253.9	6123.5
15391.2	35°	14907.2	14289.3	13520.5	12442.7	9689.8	7596.0	6284.8	5821.5	5488.5	5279.1
16366.0	37.5°	15768.7	15034.2	14313.4	12991.9	9411.8	6737.9	5612.1	5217.3	4826.0	4544.6
17402.6	40°	16705.8	15827.1	15161.2	13317.9	8955.3	5921.0	5090.3	4729.9	4314.6	4016.0
18597.1	42.5°	17800.7	16777.9	16105.1	13486.1	8330.6	5340.9	4750.5	4397.0	4005.7	3762.0
19877.4	45°	18943.7	17824.8	16966.6	13482.7	7633.8	5069.7	4640.7	4290.6	3858.1	3604.1
21192.0	47.5°	20141.7	18919.7	17711.5	13263.0	7029.7	5107.5	4578.9	4060.6	3583.5	3336.4
22520.4	50°	21343.0	20117.6	18432.3	12851.1	6772.2	5025.1	4348.9	3737.9	3175.0	2951.9
23766.4	52.5°	22534.1	21391.1	19053.6	12264.2	6511.4	4719.6	4053.7	3319.2	3006.8	2852.4
25053.5	55°	23732.0	22650.8	19729.8	11409.5	5859.2	4362.7	3559.5	3161.3	2873.0	2732.2
26313.2	57.5°	24933.4	24106.2	20371.7	10554.8	5038.9	3923.3	3288.3	2969.1	2739.1	2619.0
27367.0	60°	26182.8	25770.9	21034.1	9768.8	4228.8	3360.4	3089.2	2814.6	2581.2	2447.3
28379.6	62.5°	27470.0	27603.8	21552.4	8756.2	3483.9	3017.1	2910.7	2629.3	2402.7	2275.7
29217.1	65°	28767.4	29371.6	21892.2	7352.3	2824.9	2691.0	2718.5	2426.7	2196.8	2086.9
29831.5	67.5°	29745.7	30645.0	21796.1	5564.0	2316.9	2382.1	2478.2	2213.9	1997.7	1911.9
29732.0	70°	29855.5	30494.0	20848.8	3810.0	1939.3	2080.1	2210.5	2004.6	1781.4	1719.7
28331.5	72.5°	28393.3	28434.5	18209.2	2488.5	1640.7	1826.1	1929.0	1791.7	1575.5	1513.7
24785.8	75°	24559.3	23515.8	13369.4	1640.7	1373.0	1568.6	1664.7	1568.6	1359.3	1373.0
18545.6	77.5°	18607.4	16654.3	8117.8	1167.0	1146.4	1318.1	1448.5	1379.8	1201.4	1349.0
9326.0	80°	9586.9	9010.2	3621.2	871.8	906.2	1053.8	1191.1	1101.8	950.8	906.2
2083.5	82.5°	2196.8	2553.8	1427.9	624.7	655.6	758.6	909.6	827.2	683.1	576.7
868.4	85°	768.9	841.0	631.6	391.3	384.4	473.7	617.8	552.6	463.4	370.7
367.3	87.5°	243.7	319.2	236.8	157.9	164.8	212.8	284.9	260.9	216.2	140.7
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>
7290.5
7489.6
7805.4
8165.8
8495.3
8677.3
8866.0
9006.8
9030.8
8924.4
8526.2
7884.4
7053.7
6188.7
5347.8
4620.1
4074.3
3810.0
3645.3
3370.7
2965.6
2852.4
2718.5
2598.4
2437.0
2272.3
2083.5
1915.3
1723.1
1510.3
1324.9
1187.6
827.2
569.8
391.3
147.6
0.0

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