

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: P952235

Luminaire Tested: **GALN-SB6A-927-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952235  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB6A-927-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

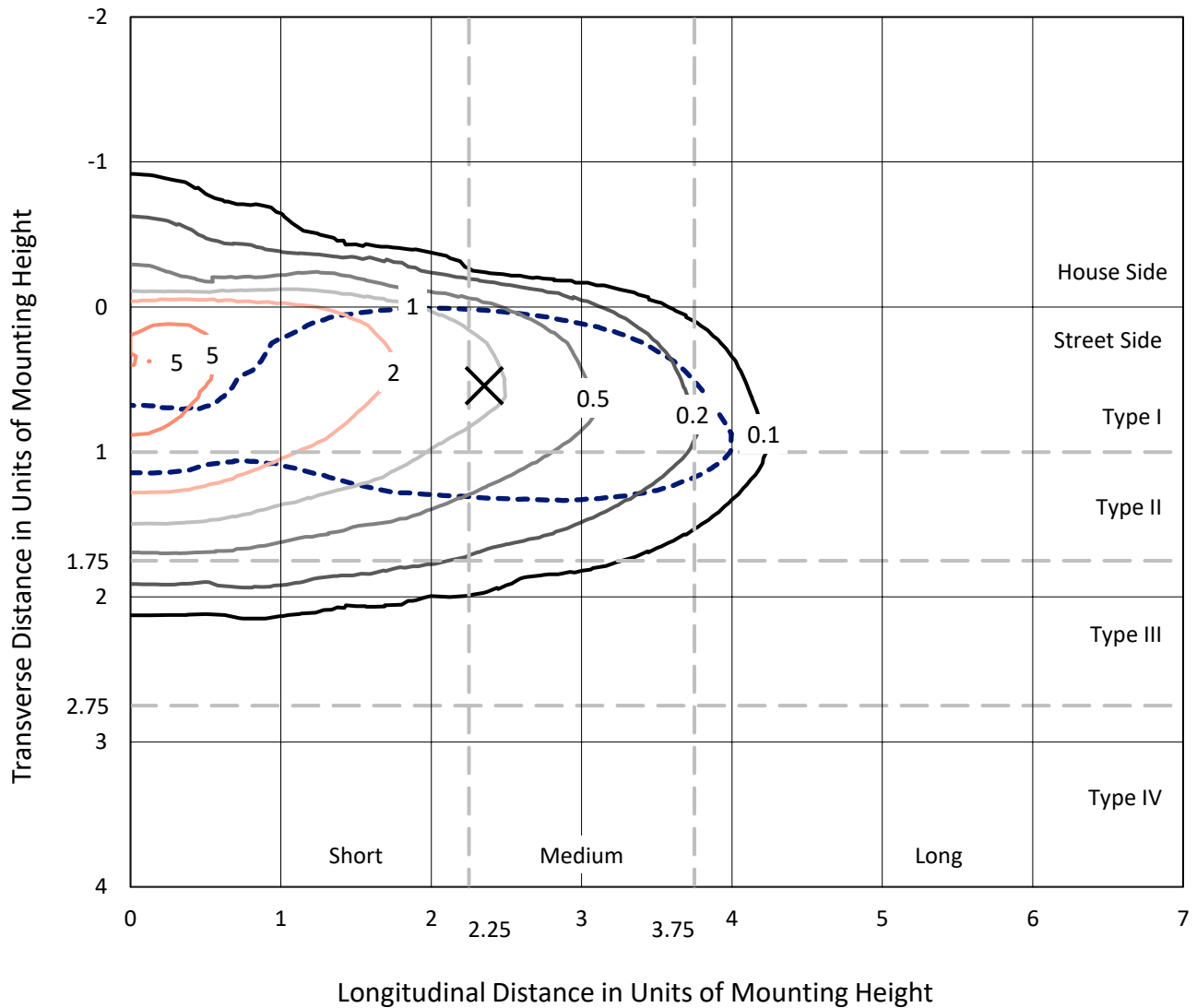
Lumens per Lamp: N/A  
Luminaire Lumens: 14019 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

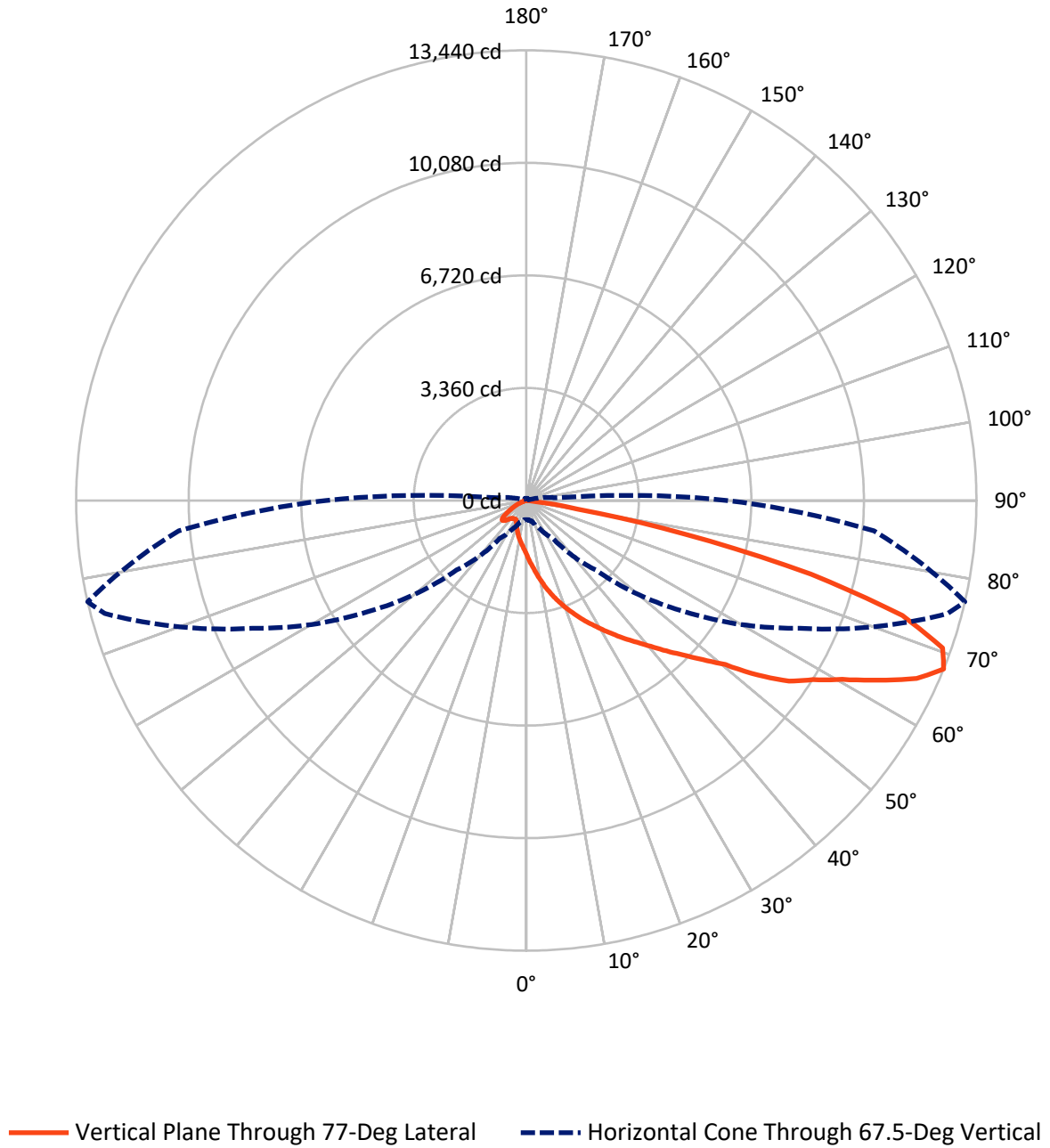
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1031.4	0.0	1031.4
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	12987.6	0.0	12987.6
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	14019.0	0.0	14019.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.0	1.2
10°-20°	577.8	4.1
20°-30°	1115.0	8.0
30°-40°	1935.7	13.8
40°-50°	2810.6	20.0
50°-60°	3227.6	23.0
60°-70°	2802.1	20.0
70°-80°	1319.8	9.4
80°-90°	65.3	0.5
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°	14019.0	100.0
0°-180°	14019.0	100.0

**Coefficient of Utilization**



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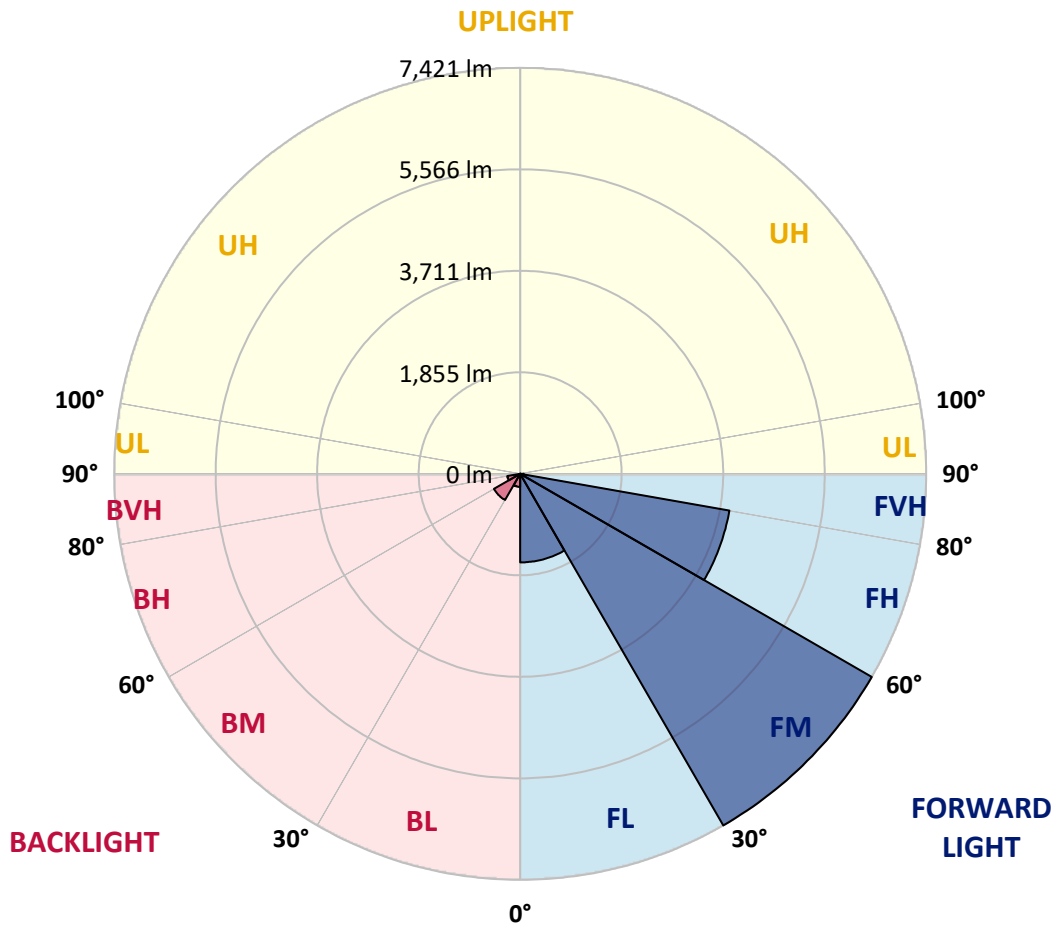
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1619.0	11.5			
FM (30°-60°)	7421.3	52.9			
FH (60°-80°)	3883.2	27.7			G2/5000
FVH (80°-90°)	64.1	0.5			G1/100
BL (0°-30°)	238.8	1.7	B1/500		
BM (30°-60°)	552.6	3.9	B1/1000		
BH (60°-80°)	238.8	1.7	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1616.6	1616.6	1616.6	1616.6	1616.6	1616.6	1616.6	1616.6	1616.6	1616.6
2.5°	2238.2	2252.1	2232.1	2193.8	2136.3	2098.9	2007.5	1921.3	1825.5	1795.1
5°	2728.3	2740.5	2717.8	2676.0	2599.4	2526.3	2406.2	2226.0	2038.8	1978.7
7.5°	3091.3	3098.3	3089.6	3051.3	2978.1	2895.4	2761.4	2548.1	2270.4	2204.2
10°	3352.5	3375.1	3372.5	3357.7	3308.9	3241.9	3099.1	2856.2	2529.8	2444.5
12.5°	3525.7	3550.9	3565.7	3598.8	3596.2	3553.6	3428.2	3171.4	2788.3	2688.2
15°	3576.2	3603.2	3659.8	3736.4	3804.3	3826.0	3738.1	3480.4	3073.0	2945.0
17.5°	3547.5	3589.2	3657.1	3778.2	3927.0	4025.4	4015.8	3779.0	3331.6	3185.3
20°	3611.0	3651.1	3704.2	3806.0	3979.2	4157.7	4229.1	4064.6	3588.4	3435.2
22.5°	3962.7	3955.7	3961.0	3977.5	4081.1	4257.8	4404.9	4324.0	3842.6	3685.9
25°	4519.9	4488.5	4435.4	4345.7	4319.6	4404.9	4558.2	4553.8	4110.7	3942.7
27.5°	5158.8	5153.6	5029.1	4813.2	4691.4	4658.3	4731.4	4777.5	4376.2	4196.9
30°	5770.8	5784.8	5616.7	5376.5	5152.7	5023.0	4956.9	4989.9	4646.1	4471.1
32.5°	6303.6	6318.4	6135.6	5854.4	5577.6	5420.9	5281.6	5199.7	4940.3	4749.7
35°	6753.7	6768.5	6558.7	6247.9	5952.8	5810.9	5653.3	5429.6	5236.3	5058.7
37.5°	7155.9	7151.5	6870.3	6556.9	6267.0	6154.7	6072.0	5712.5	5541.0	5369.5
40°	7393.5	7411.8	7171.5	6825.9	6544.7	6462.9	6457.7	6063.3	5892.7	5726.4
42.5°	7463.2	7495.4	7321.3	7037.5	6782.4	6693.6	6830.3	6442.9	6301.9	6139.9
45°	7337.8	7369.1	7289.9	7093.2	6944.3	6886.9	7150.6	6836.4	6738.9	6578.7
47.5°	6972.2	7011.3	7030.5	6988.7	6987.0	7045.3	7437.9	7250.7	7257.7	7094.0
50°	6264.4	6330.6	6506.4	6654.4	6883.4	7170.7	7717.4	7699.9	7842.7	7701.7
52.5°	4977.8	5071.8	5677.7	6082.5	6597.0	7147.2	8024.7	8420.8	8869.1	8662.8
55°	4000.1	4000.1	4492.9	5250.2	6038.1	6992.2	8158.7	8889.1	9568.1	9519.4
57.5°	3261.1	3300.2	3614.5	4283.9	5229.3	6623.1	8241.4	9183.3	10131.4	10095.7
60°	2012.7	2097.1	2690.8	3351.6	4309.2	5965.8	8189.2	9481.1	10814.7	10843.5
62.5°	1133.4	1164.8	1429.4	2411.4	3350.7	5082.2	7789.6	9647.3	11688.8	11810.6
65°	782.6	798.3	900.1	1500.8	2322.6	4046.3	7008.7	9543.8	12564.5	12810.9
67.5°	568.5	576.3	639.8	916.7	1378.1	2933.7	5784.8	9021.4	13028.5	13440.3
70°	437.0	442.2	488.4	602.4	814.0	1810.7	4201.2	7982.9	12692.5	13184.4
72.5°	355.2	360.4	396.1	445.7	539.7	1070.8	2546.3	6482.9	11209.1	11740.1
75°	299.5	306.4	338.6	370.9	423.1	687.7	1194.4	4514.6	8429.5	8777.7
77.5°	166.3	153.2	275.1	307.3	356.9	435.3	558.9	2656.9	4721.0	4817.6
80°	103.6	107.1	218.5	247.2	274.2	219.4	255.9	1022.9	1636.6	1554.8
82.5°	6.1	13.9	168.0	178.5	188.0	94.0	96.6	347.3	394.4	362.1
85°	0.0	0.0	76.6	61.8	65.3	27.0	27.9	81.0	53.1	57.5
87.5°	0.0	0.0	0.0	1.7	0.0	2.6	5.2	7.0	2.6	3.5
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°
1616.6	0°	1616.6	1616.6	1616.6	1616.6	1616.6	1616.6	1616.6	1616.6	1616.6	1616.6
1699.3	2.5°	1638.4	1577.4	1453.8	1332.8	1234.4	1143.0	1077.7	1015.9	984.6	982.8
1809.0	5°	1688.0	1560.0	1312.8	1094.3	918.4	777.4	686.0	620.7	587.6	576.3
1943.9	7.5°	1757.6	1565.2	1189.2	885.3	678.2	557.1	504.9	484.0	477.1	469.2
2096.3	10°	1845.5	1577.4	1078.6	713.0	534.5	473.6	452.7	444.0	438.8	433.5
2267.8	12.5°	1943.9	1588.7	968.9	592.0	470.1	438.8	424.0	413.5	406.5	400.4
2443.6	15°	2039.7	1595.7	854.9	507.5	437.0	411.8	396.1	384.8	375.2	368.2
2616.0	17.5°	2134.6	1605.3	747.8	457.0	410.0	384.8	369.1	355.2	347.3	339.5
2797.1	20°	2239.9	1603.5	646.8	421.3	383.0	357.8	341.3	328.2	320.4	311.7
2988.6	22.5°	2337.4	1594.8	558.0	390.9	355.2	330.8	312.5	299.5	291.6	284.7
3184.4	25°	2449.7	1587.9	484.0	363.0	329.1	304.7	284.7	272.5	263.8	257.7
3381.2	27.5°	2557.7	1577.4	430.0	337.8	303.8	280.3	261.2	247.2	239.4	235.0
3584.0	30°	2663.9	1574.8	410.0	313.4	281.2	257.7	238.5	225.5	219.4	217.6
3806.9	32.5°	2791.8	1581.8	418.7	304.7	260.3	236.8	218.5	208.9	202.8	202.8
4055.0	35°	2928.5	1580.0	431.8	312.5	246.4	215.9	202.0	195.9	189.8	189.8
4330.1	37.5°	3100.0	1582.6	442.2	325.6	241.1	198.5	190.6	182.8	179.3	179.3
4631.3	40°	3355.9	1668.8	437.0	336.9	239.4	186.3	170.6	168.0	165.4	165.4
4971.7	42.5°	3669.3	1856.0	444.0	337.8	238.5	177.6	156.7	161.9	155.8	155.0
5355.6	45°	4012.3	2060.6	488.4	319.5	237.7	173.2	149.7	155.8	146.3	146.3
5800.4	47.5°	4352.7	2263.4	533.6	293.4	235.0	172.4	143.6	140.2	137.5	138.4
6380.2	50°	4821.9	2428.8	551.1	257.7	229.0	170.6	132.3	133.2	131.5	133.2
7197.6	52.5°	5332.9	2463.6	530.2	217.6	211.5	165.4	124.5	128.0	127.1	128.8
7773.1	55°	5651.6	2426.2	437.9	181.1	184.6	144.5	116.7	123.6	123.6	123.6
8335.4	57.5°	5980.6	2266.9	310.8	147.1	153.2	118.4	109.7	119.3	118.4	117.5
9012.7	60°	6217.4	2009.2	204.6	121.0	121.9	97.5	101.9	112.3	111.4	107.1
9710.9	62.5°	6394.1	1724.5	131.5	102.7	93.1	87.9	93.1	101.9	98.4	88.8
10302.9	65°	6374.1	1330.2	101.0	87.9	76.6	76.6	81.0	88.8	78.3	62.7
10416.0	67.5°	6002.4	900.1	83.6	74.0	64.4	63.5	67.0	74.0	67.0	53.1
9836.3	70°	5338.2	588.5	67.0	57.5	51.4	47.0	54.0	63.5	56.6	42.7
8373.7	72.5°	4332.7	358.7	50.5	41.8	37.4	30.5	42.7	52.2	45.3	31.3
5823.1	75°	2803.1	182.8	34.8	27.0	20.0	18.3	31.3	39.2	31.3	19.2
2583.8	77.5°	1072.5	76.6	19.2	12.2	10.4	8.7	17.4	23.5	13.1	4.4
500.6	80°	206.3	32.2	9.6	6.1	5.2	3.5	2.6	1.7	0.0	0.0
88.8	82.5°	35.7	10.4	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0
17.4	85°	12.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.1	87.5°	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
1616.6
981.1
574.6
467.5
431.8
398.7
367.4
338.6
310.8
283.8
256.8
235.0
216.8
202.8
189.8
179.3
165.4
154.1
146.3
138.4
133.2
128.8
123.6
117.5
107.1
87.1
60.9
51.4
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