

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: P953312

Luminaire Tested: **GALN-SB6D-927-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953312  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
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-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

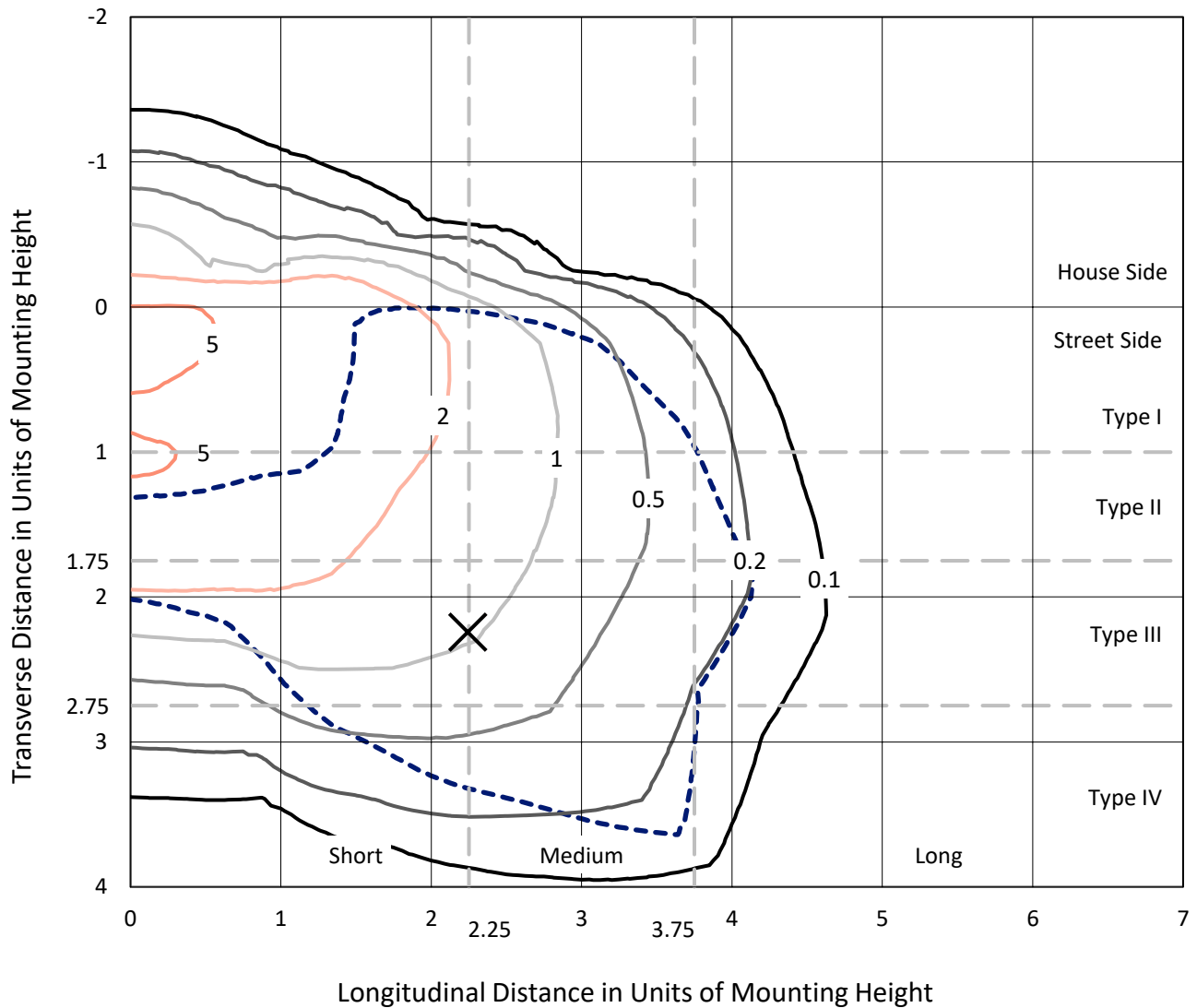
Lumens per Lamp: N/A  
Luminaire Lumens: 28933 lumens  
Efficiency: N/A  
Efficacy: 65.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

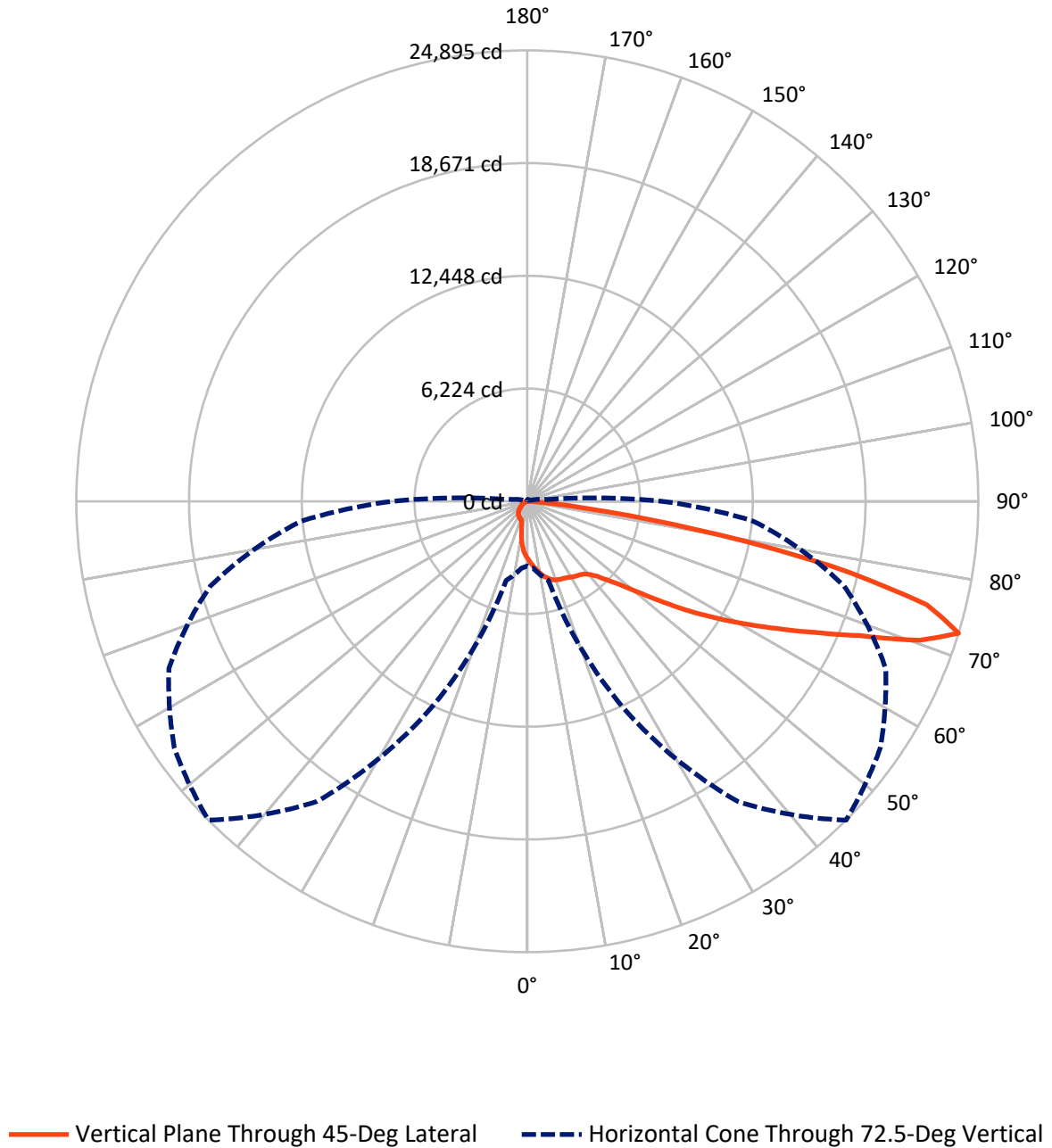
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3040.1	0.0	3040.1
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	25892.9	0.0	25892.9
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	28933.0	0.0	28933.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	298.6	1.0
10°-20°	872.8	3.0
20°-30°	1433.3	5.0
30°-40°	2032.8	7.0
40°-50°	3359.9	11.6
50°-60°	6035.8	20.9
60°-70°	8381.0	29.0
70°-80°	6079.3	21.0
80°-90°	439.5	1.5
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°	28933.0	100.0
0°-180°	28933.0	100.0



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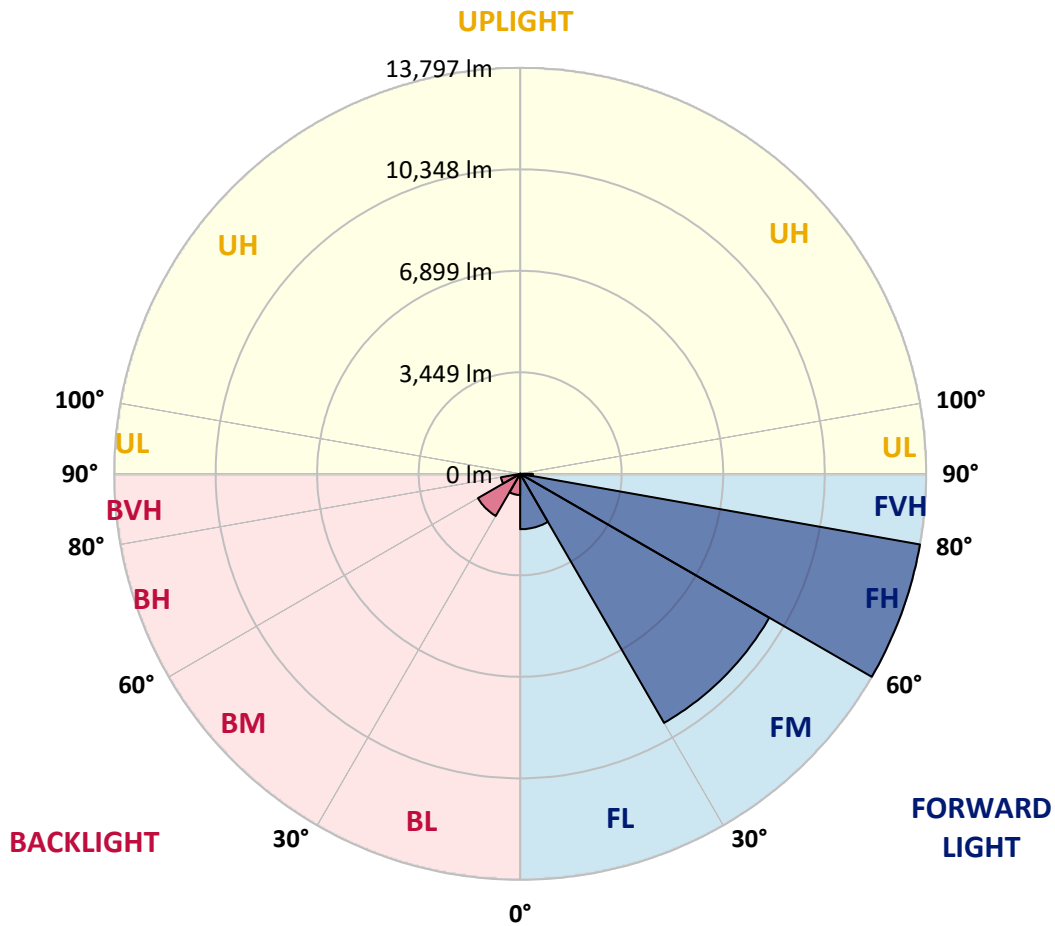
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1884.7	6.5			
FM (30°-60°)	9775.1	33.8			
FH (60°-80°)	13797.3	47.7			G5
FVH (80°-90°)	435.8	1.5			G3/500
BL (0°-30°)	720.1	2.5	B2/1000		
BM (30°-60°)	1653.4	5.7	B2/2500		
BH (60°-80°)	662.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	3.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3169.7	3169.7	3169.7	3169.7	3169.7	3169.7	3169.7	3169.7	3169.7	3169.7
2.5°	3462.0	3467.9	3463.9	3440.2	3400.7	3379.0	3367.2	3327.7	3302.0	3256.6
5°	3779.9	3803.6	3789.8	3742.4	3667.3	3614.0	3598.2	3517.2	3444.2	3359.3
7.5°	4117.6	4129.5	4103.8	4042.6	3941.8	3851.0	3837.2	3724.6	3608.1	3477.8
10°	4409.9	4423.7	4384.2	4295.3	4180.8	4068.2	4048.5	3924.1	3785.8	3625.9
12.5°	4654.8	4668.6	4617.3	4510.6	4384.2	4267.7	4248.0	4117.6	3965.5	3787.8
15°	4840.4	4866.1	4797.0	4682.4	4546.2	4429.6	4419.8	4291.4	4143.3	3945.8
17.5°	4949.0	4974.7	4909.5	4771.3	4654.8	4556.0	4544.2	4437.5	4299.3	4109.7
20°	4966.8	4990.5	4921.4	4800.9	4704.1	4625.2	4619.2	4542.2	4441.5	4259.8
22.5°	4913.5	4943.1	4879.9	4783.1	4716.0	4674.5	4666.6	4623.2	4565.9	4411.9
25°	4858.2	4881.9	4834.5	4749.6	4714.0	4710.1	4716.0	4708.1	4696.2	4565.9
27.5°	4854.2	4879.9	4826.6	4745.6	4725.9	4767.3	4773.3	4810.8	4820.7	4706.1
30°	4887.8	4905.6	4854.2	4769.3	4759.4	4854.2	4856.2	4923.4	4939.2	4824.6
32.5°	4960.9	4980.6	4929.3	4804.9	4791.0	4923.4	4929.3	5018.2	5043.8	4951.0
35°	5132.7	5156.4	5097.1	4903.6	4854.2	4988.5	5006.3	5111.0	5162.3	5085.3
37.5°	5561.2	5492.1	5411.2	5103.1	4998.4	5091.2	5120.8	5243.3	5334.1	5245.3
40°	6625.7	6408.5	6155.7	5442.8	5251.2	5310.4	5334.1	5456.6	5581.0	5494.1
42.5°	8223.4	7966.6	7559.8	6224.8	5632.3	5662.0	5679.7	5786.4	5962.1	5893.0
45°	9647.3	9554.4	9139.7	7559.8	6345.3	6199.1	6220.9	6276.1	6534.9	6509.2
47.5°	10741.3	10688.0	10368.1	9092.3	7549.9	6856.8	6918.0	6943.7	7316.9	7407.7
50°	11582.6	11562.9	11276.5	10455.0	9123.9	7826.4	7848.1	7792.9	8351.7	8576.9
52.5°	12376.5	12443.7	12232.4	11720.9	10804.5	9096.3	9092.3	8831.6	9586.0	9925.7
55°	13093.4	13117.1	13138.8	13012.4	12495.0	10541.9	10504.4	10077.8	11017.8	11369.3
57.5°	13766.8	13776.7	13970.3	14229.0	14254.6	12094.1	12025.0	11513.5	12581.9	12832.7
60°	14219.1	14264.5	14673.3	15392.2	15706.2	13695.7	13658.2	13136.9	14173.7	14290.2
62.5°	13567.4	13843.9	14874.7	16300.6	17076.7	15471.2	15453.4	14963.6	15848.4	15753.6
65°	10982.3	11450.3	13263.2	16914.8	18421.6	17453.9	17479.6	16958.2	17568.5	17260.4
67.5°	7682.3	8176.0	10320.7	16964.2	19924.5	19782.3	19930.4	19112.8	19395.2	18704.0
70°	5312.4	5567.2	6963.4	15901.7	21095.6	22989.5	22985.6	21759.2	21212.1	19361.7
72.5°	3572.5	3704.9	4522.5	12615.5	20234.6	24895.3	24780.7	23781.4	21824.3	18107.6
75°	1506.8	1603.6	2093.4	7089.8	16008.3	22776.2	22466.2	21016.6	19391.3	14258.6
77.5°	477.9	519.4	825.5	2537.7	8817.8	17120.2	16792.3	13125.0	12996.6	7153.0
80°	227.1	264.6	464.1	1019.0	3469.9	9311.5	9266.1	5954.2	5590.9	1931.4
82.5°	98.7	116.5	256.7	545.1	1552.3	3321.7	3388.9	2026.2	1676.7	732.7
85°	31.6	41.5	118.5	250.8	655.7	825.5	815.6	481.9	675.4	398.9
87.5°	0.0	0.0	39.5	57.3	67.1	47.4	53.3	41.5	187.6	110.6
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°
3169.7	0°	3169.7	3169.7	3169.7	3169.7	3169.7	3169.7	3169.7	3169.7	3169.7	3169.7
3209.2	2.5°	3185.5	3153.9	3098.6	3047.2	3001.8	2956.4	2928.7	2889.2	2885.3	2885.3
3260.5	5°	3207.2	3155.8	3057.1	2952.4	2832.0	2717.4	2602.9	2492.3	2456.7	2431.1
3343.5	7.5°	3270.4	3189.4	3033.4	2833.9	2604.9	2354.0	2178.3	1988.7	1915.6	1876.1
3454.1	10°	3361.2	3250.6	3013.7	2664.1	2292.8	1951.2	1700.4	1495.0	1416.0	1382.4
3574.5	12.5°	3462.0	3325.7	2978.1	2452.8	1951.2	1542.4	1297.5	1202.7	1190.8	1190.8
3718.7	15°	3582.4	3416.5	2916.9	2204.0	1593.7	1220.5	1133.6	1137.5	1149.4	1157.3
3858.9	17.5°	3706.8	3513.3	2820.1	1925.5	1277.7	1098.0	1100.0	1105.9	1115.8	1123.7
4011.0	20°	3841.1	3610.1	2691.8	1629.3	1096.1	1062.5	1068.4	1074.3	1082.2	1086.2
4153.2	22.5°	3985.3	3700.9	2539.7	1339.0	1034.8	1032.9	1034.8	1040.8	1050.6	1050.6
4319.0	25°	4139.3	3801.6	2365.9	1127.7	1003.2	1003.2	1007.2	1011.1	1019.0	1019.0
4479.0	27.5°	4297.3	3894.5	2182.2	1017.1	975.6	973.6	973.6	979.5	983.5	985.5
4637.0	30°	4471.1	4003.1	1998.6	993.4	953.9	944.0	938.1	942.0	946.0	947.9
4802.9	32.5°	4648.9	4107.7	1834.7	1003.2	932.1	914.4	894.6	890.7	890.7	898.6
4974.7	35°	4846.3	4222.3	1708.3	1036.8	920.3	870.9	839.3	821.5	823.5	835.4
5180.1	37.5°	5083.3	4360.5	1615.4	1066.4	912.4	821.5	770.2	748.5	734.7	748.5
5462.5	40°	5393.4	4563.9	1548.3	1090.1	902.5	764.3	695.2	659.6	633.9	641.8
5900.9	42.5°	5849.6	4883.9	1522.6	1092.1	880.8	697.1	618.1	570.7	533.2	535.2
6560.5	45°	6489.4	5389.4	1654.9	1066.4	833.4	624.1	537.2	474.0	450.3	444.3
7546.0	47.5°	7366.3	6126.1	1961.0	1013.1	764.3	553.0	458.2	404.8	387.1	377.2
8839.5	50°	8541.3	7072.0	2300.7	953.9	695.2	485.8	393.0	359.4	347.6	337.7
10374.0	52.5°	9904.0	8031.8	2579.2	894.6	626.0	426.6	351.5	331.8	321.9	314.0
11855.2	55°	11154.1	8693.4	2563.4	831.4	558.9	379.2	321.9	310.1	298.2	290.3
13130.9	57.5°	11932.2	8786.2	2113.1	762.3	481.9	341.7	294.3	286.4	272.5	262.7
14234.9	60°	12289.6	8256.9	1481.2	671.5	404.8	306.1	264.6	260.7	242.9	229.1
15279.6	62.5°	12354.8	7273.5	987.4	558.9	337.7	272.5	235.0	229.1	205.4	181.7
16128.8	65°	12090.2	5867.3	683.3	436.4	288.3	237.0	201.4	189.6	163.9	140.2
16330.2	67.5°	11252.8	4119.6	475.9	314.0	244.9	187.6	160.0	156.0	136.3	116.5
15303.3	70°	9718.4	2348.1	318.0	235.0	193.5	128.4	126.4	130.3	110.6	94.8
12502.9	72.5°	7451.2	1074.3	197.5	171.8	132.3	86.9	100.7	102.7	84.9	71.1
7800.7	75°	4386.2	460.1	124.4	110.6	67.1	57.3	73.1	75.0	57.3	45.4
2851.7	77.5°	1493.0	173.8	79.0	65.2	33.6	31.6	47.4	47.4	31.6	17.8
572.7	80°	339.7	65.2	39.5	25.7	15.8	13.8	15.8	13.8	7.9	2.0
175.8	82.5°	96.8	25.7	15.8	9.9	5.9	5.9	2.0	0.0	0.0	0.0
61.2	85°	27.6	11.8	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
21.7	87.5°	11.8	2.0	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>
3169.7
2895.2
2442.9
1882.1
1382.4
1190.8
1157.3
1123.7
1088.2
1054.6
1021.0
987.4
951.9
904.5
841.3
744.5
637.9
527.3
436.4
371.3
335.7
312.0
286.4
260.7
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