

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: P952531

Luminaire Tested: **GALN-SB6B-835-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952531  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-835-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

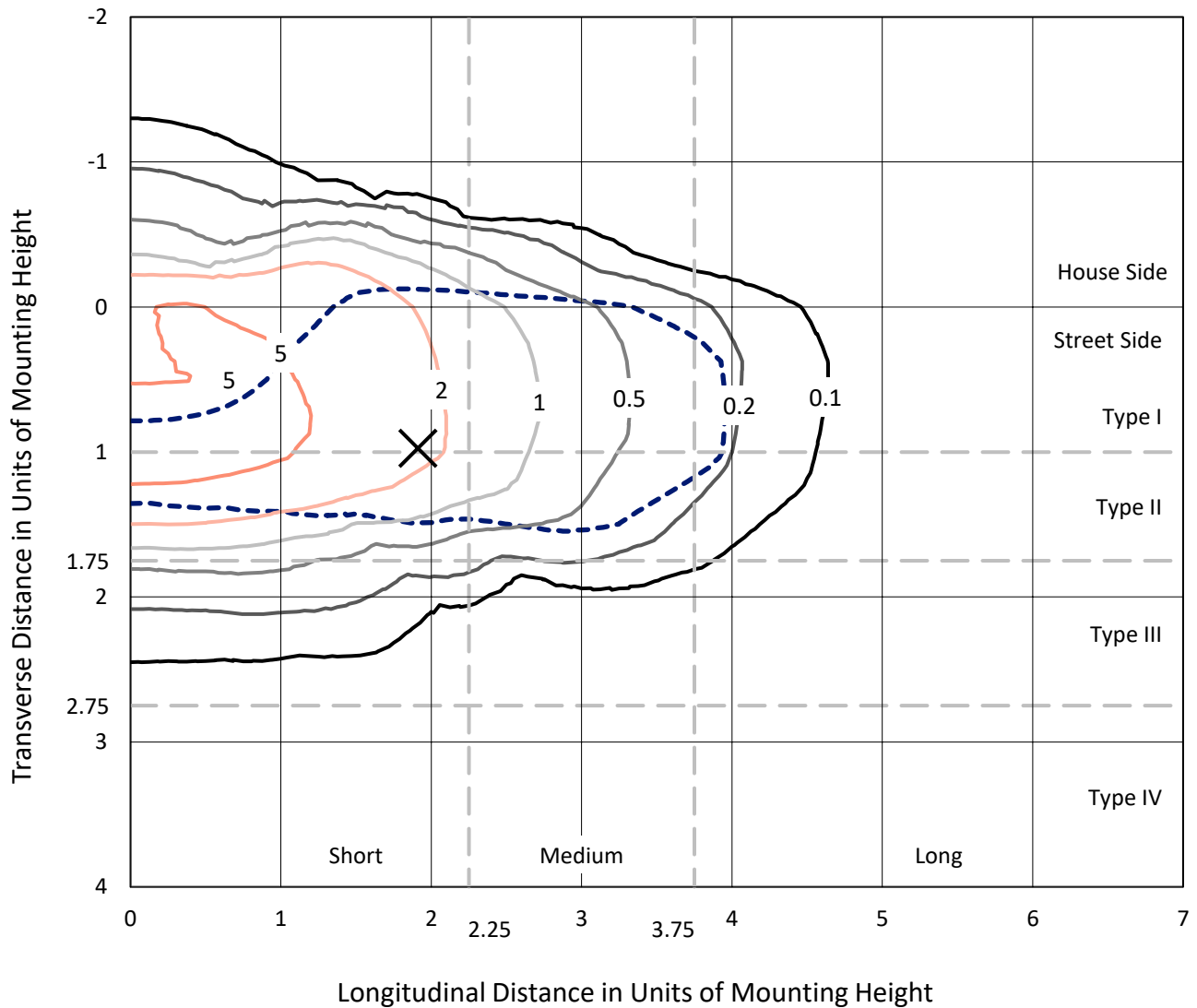
Lumens per Lamp: N/A  
Luminaire Lumens: 24206 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

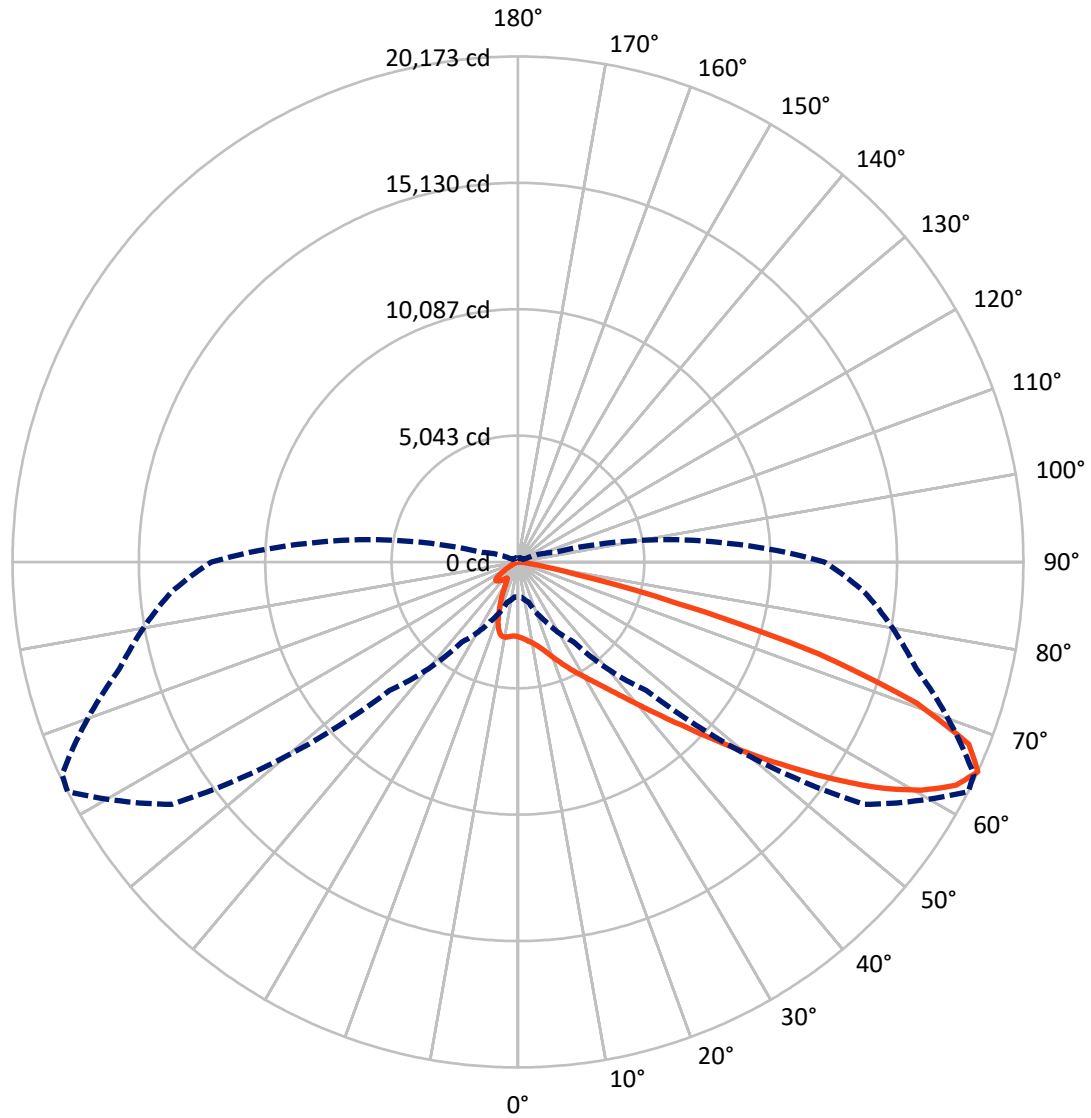
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3558.1	0.0	3558.1
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	20647.9	0.0	20647.9
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	24206.0	0.0	24206.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.5	1.2
10°-20°	781.0	3.2
20°-30°	1359.9	5.6
30°-40°	2451.1	10.1
40°-50°	4861.3	20.1
50°-60°	6621.9	27.4
60°-70°	5285.6	21.8
70°-80°	2391.8	9.9
80°-90°	171.9	0.7
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°	24206.0	100.0
0°-180°	24206.0	100.0

**Coefficient of Utilization**



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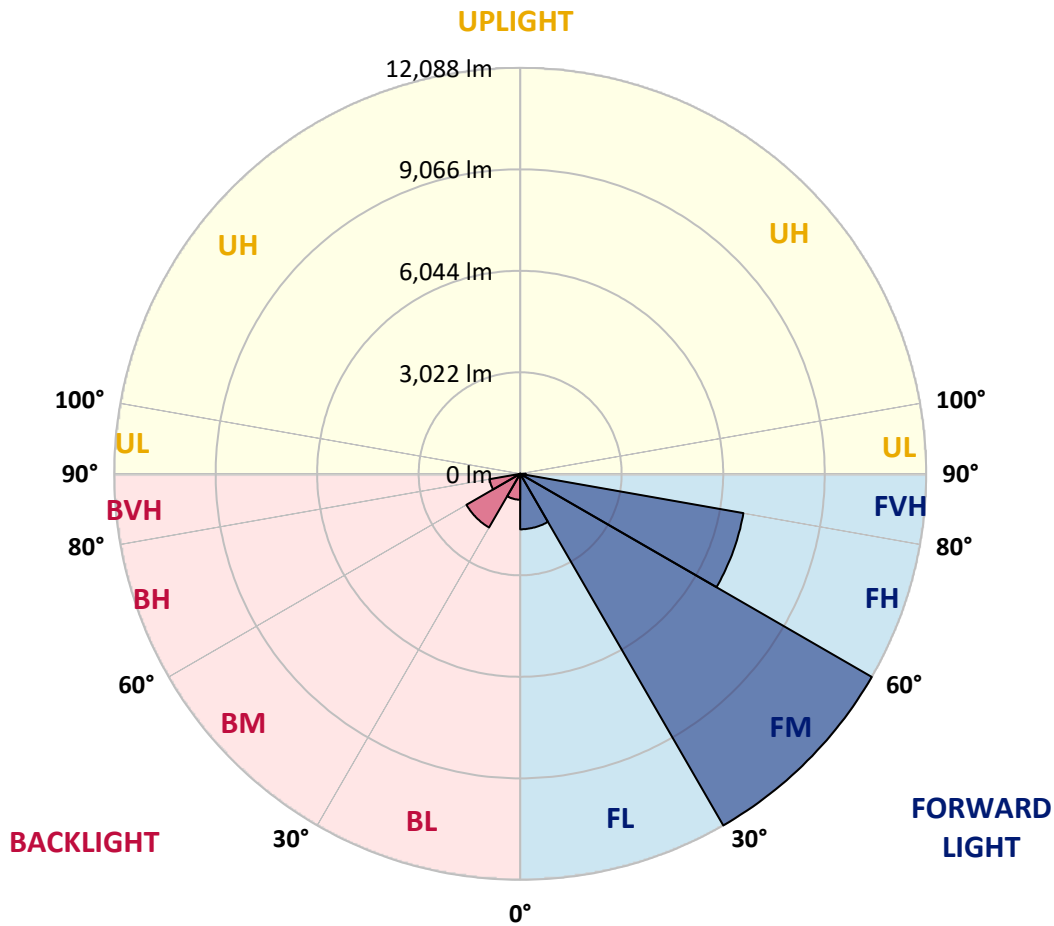
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1652.4	6.8			
FM (30°-60°)	12087.9	49.9			
FH (60°-80°)	6748.5	27.9			G3/7500
FVH (80°-90°)	159.2	0.7			G2/225
BL (0°-30°)	770.0	3.2	B2/1000		
BM (30°-60°)	1846.4	7.6	B2/2500		
BH (60°-80°)	928.9	3.8	B2/1000		G2/1000
BVH (80°-90°)	12.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	2987.5	2987.5	2987.5	2987.5	2987.5	2987.5	2987.5	2987.5	2987.5	2987.5
2.5°	3057.4	3049.1	3060.7	3055.8	3052.4	3045.8	3042.4	3039.1	3032.4	3027.4
5°	3065.7	3060.7	3072.4	3082.4	3092.4	3102.4	3107.4	3114.0	3107.4	3094.1
7.5°	2995.8	2992.5	3017.5	3047.4	3092.4	3130.7	3172.3	3195.6	3197.3	3192.3
10°	2990.8	2982.5	3007.5	3044.1	3102.4	3170.7	3243.9	3293.9	3300.5	3322.2
12.5°	3069.1	3060.7	3095.7	3135.7	3195.6	3267.2	3357.2	3427.1	3437.1	3467.1
15°	3200.6	3189.0	3228.9	3280.6	3357.2	3438.8	3533.7	3597.0	3605.3	3641.9
17.5°	3353.8	3342.2	3388.8	3443.8	3527.0	3638.6	3748.5	3818.4	3828.4	3851.7
20°	3550.3	3535.3	3572.0	3621.9	3710.2	3843.4	3975.0	4074.9	4073.2	4073.2
22.5°	3778.5	3755.2	3786.8	3826.8	3910.0	4071.6	4246.4	4364.6	4364.6	4318.0
25°	4023.3	4000.0	4034.9	4071.6	4144.8	4328.0	4532.8	4679.4	4686.0	4606.1
27.5°	4329.7	4299.7	4326.3	4369.6	4412.9	4599.5	4842.6	5012.4	5015.8	4892.5
30°	4919.2	4834.3	4751.0	4704.4	4724.3	4909.2	5169.0	5357.1	5373.8	5203.9
32.5°	5998.3	5981.6	5688.5	5305.5	5105.7	5242.2	5533.7	5760.1	5770.1	5552.0
35°	7675.2	7655.2	7183.9	6454.6	5803.4	5688.5	5976.6	6244.7	6238.1	5991.6
37.5°	9676.8	9658.5	9037.4	8061.5	7007.4	6363.0	6547.8	6829.2	6870.9	6547.8
40°	11387.1	11318.8	10925.8	9984.9	8606.1	7482.0	7360.5	7547.0	7590.3	7207.2
42.5°	12682.6	12624.3	12424.5	11836.7	10541.1	9137.3	8318.0	8389.6	8437.9	7978.3
45°	13353.7	13340.4	13420.3	13365.4	12512.8	11168.9	9686.8	9388.7	9407.1	8832.5
47.5°	13448.6	13442.0	13806.7	14322.9	14208.0	13460.3	11443.7	10634.4	10569.4	9796.7
50°	12889.1	12875.8	13575.2	14542.7	15340.4	15385.3	13438.7	12038.2	11895.0	10794.2
52.5°	11102.3	11099.0	12248.0	13858.3	15738.4	17070.6	15410.3	13580.2	13340.4	11850.0
55°	8542.8	8604.4	9921.6	11825.0	15012.3	17881.6	17180.5	15292.1	14924.1	12912.4
57.5°	6051.6	6141.5	7443.7	9139.0	12760.9	17402.0	18377.8	17007.3	16611.0	13971.5
60°	3250.6	3330.5	4634.4	6657.7	9493.7	15613.5	19009.0	18496.1	18121.4	14977.4
62.5°	1936.7	1963.3	2502.9	4298.0	6421.2	11928.3	18740.8	19630.1	19322.0	15821.6
65°	1390.5	1395.5	1666.9	2624.5	3898.4	7247.2	16860.8	20173.0	20078.0	16457.8
67.5°	1170.7	1167.3	1280.6	1743.5	2656.1	3630.3	12922.4	19405.3	19808.3	16860.8
70°	1004.2	1009.1	1142.4	1277.3	1996.6	2054.9	6424.6	16895.7	17755.0	16967.3
72.5°	747.7	764.4	887.6	1164.0	1507.1	1413.8	2218.1	12527.8	14081.4	15986.5
75°	527.9	536.2	624.5	979.2	1124.1	1029.1	1132.4	6476.2	8467.9	12256.3
77.5°	406.3	421.3	472.9	684.4	1107.4	722.7	692.7	2241.4	3443.8	7403.7
80°	219.8	246.5	341.4	494.6	777.7	511.2	343.0	892.6	1167.3	3462.1
82.5°	113.2	126.6	238.1	356.4	443.0	446.3	169.9	371.4	481.3	1069.1
85°	45.0	55.0	159.9	196.5	228.1	219.8	76.6	149.9	173.2	296.4
87.5°	10.0	16.7	58.3	45.0	43.3	46.6	18.3	35.0	33.3	35.0
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°
2987.5	0°	2987.5	2987.5	2987.5	2987.5	2987.5	2987.5	2987.5	2987.5	2987.5	2987.5
3007.5	2.5°	3005.8	2999.1	2980.8	2960.8	2937.5	2924.2	2915.9	2914.2	2902.5	2894.2
3074.1	5°	3055.8	3049.1	3014.1	2972.5	2927.5	2892.6	2859.3	2829.3	2786.0	2777.7
3170.7	7.5°	3155.7	3137.4	3080.7	3024.1	2939.2	2837.6	2714.4	2572.8	2446.3	2408.0
3298.9	10°	3278.9	3253.9	3182.3	3082.4	2894.2	2617.8	2319.7	2043.3	1823.5	1761.8
3450.4	12.5°	3418.8	3397.1	3302.2	3117.4	2706.0	2204.8	1748.5	1405.5	1192.3	1139.0
3612.0	15°	3585.3	3553.7	3422.1	3064.1	2369.7	1675.3	1200.7	997.5	920.9	910.9
3796.8	17.5°	3761.8	3710.2	3528.7	2872.6	1916.7	1190.7	927.6	869.3	836.0	826.0
3983.3	20°	3923.4	3856.7	3592.0	2582.8	1432.1	927.6	831.0	792.7	762.7	751.0
4169.8	22.5°	4084.9	3990.0	3592.0	2188.2	1074.1	822.6	762.7	727.7	692.7	677.8
4369.6	25°	4253.1	4126.5	3528.7	1748.5	864.3	754.4	697.7	659.4	629.5	611.2
4559.5	27.5°	4416.3	4241.4	3383.8	1332.2	769.4	694.4	637.8	601.2	572.8	559.5
4766.0	30°	4571.1	4354.7	3180.6	1010.8	707.7	636.1	582.8	551.2	522.9	509.6
5034.1	32.5°	4781.0	4497.9	2964.2	829.3	654.4	581.2	532.9	502.9	477.9	467.9
5382.1	35°	5072.4	4709.4	2777.7	814.3	609.5	536.2	487.9	459.6	434.6	426.3
5831.7	37.5°	5485.4	5050.7	2679.4	914.2	572.8	496.2	451.3	421.3	398.0	391.3
6402.9	40°	5994.9	5513.7	2732.7	1014.1	547.9	461.3	418.0	388.0	368.0	359.7
7059.0	42.5°	6599.4	6084.9	3027.4	1090.7	531.2	431.3	386.3	353.0	339.7	336.4
7803.4	45°	7293.8	6712.7	3478.7	1172.3	504.6	403.0	354.7	329.7	319.7	318.1
8612.7	47.5°	8083.2	7402.1	4001.6	1273.9	477.9	376.3	329.7	313.1	304.7	301.4
9457.0	50°	8865.8	8096.5	4539.5	1330.5	456.3	351.4	309.7	296.4	289.8	288.1
10349.6	52.5°	9685.2	8810.9	4974.1	1277.3	438.0	331.4	293.1	283.1	276.4	274.8
11172.2	55°	10466.2	9388.7	5049.1	1084.1	401.3	311.4	274.8	269.8	261.4	261.4
12006.5	57.5°	11138.9	9678.5	4519.5	796.0	364.7	281.4	256.5	251.5	244.8	243.1
12759.2	60°	11756.7	9595.2	3488.7	536.2	324.7	251.5	233.1	229.8	223.1	214.8
13413.7	62.5°	12104.8	9228.9	2386.3	349.7	284.8	219.8	206.5	204.8	189.8	173.2
13898.3	65°	12236.3	8476.2	1488.7	254.8	238.1	188.2	178.2	174.9	153.2	134.9
14173.0	67.5°	12121.4	7237.2	751.0	201.5	188.2	156.5	146.5	146.5	131.6	114.9
14156.4	70°	11661.8	5425.4	316.4	161.5	144.9	119.9	119.9	126.6	111.6	93.3
13422.0	72.5°	10664.3	3650.3	168.2	123.2	108.2	84.9	98.3	103.2	88.3	69.9
10985.7	75°	8477.8	2226.5	116.6	91.6	68.3	59.9	74.9	78.3	59.9	46.6
7532.0	77.5°	5798.4	1278.9	78.3	58.3	43.3	35.0	51.6	48.3	31.6	21.6
2904.2	80°	2546.2	532.9	45.0	26.6	16.7	13.3	18.3	13.3	10.0	6.7
398.0	82.5°	298.1	124.9	16.7	10.0	6.7	3.3	1.7	0.0	0.0	0.0
121.6	85°	61.6	15.0	8.3	3.3	1.7	0.0	0.0	0.0	0.0	0.0
21.6	87.5°	11.7	3.3	1.7	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>
2987.5
2902.5
2774.3
2389.6
1738.5
1124.1
900.9
821.0
744.4
669.4
604.5
559.5
511.2
467.9
426.3
389.7
358.0
336.4
316.4
301.4
288.1
274.8
259.8
241.5
213.2
169.9
133.2
113.2
91.6
69.9
45.0
23.3
6.7
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