

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: P942366

Luminaire Tested: **GALN-SB6B-830-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942366  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-830-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

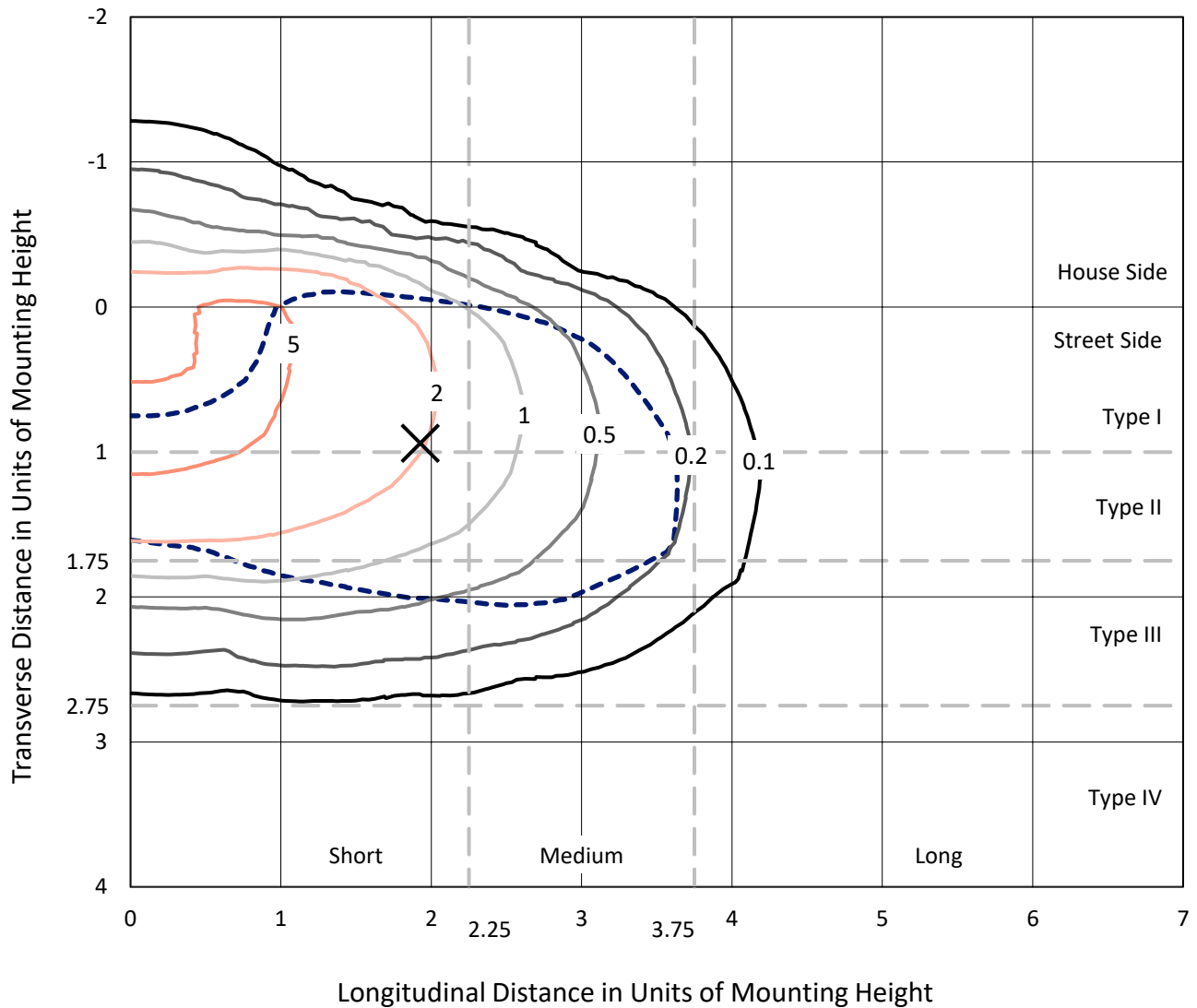
Lumens per Lamp: N/A  
Luminaire Lumens: 24064 lumens  
Efficiency: N/A  
Efficacy: 109.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

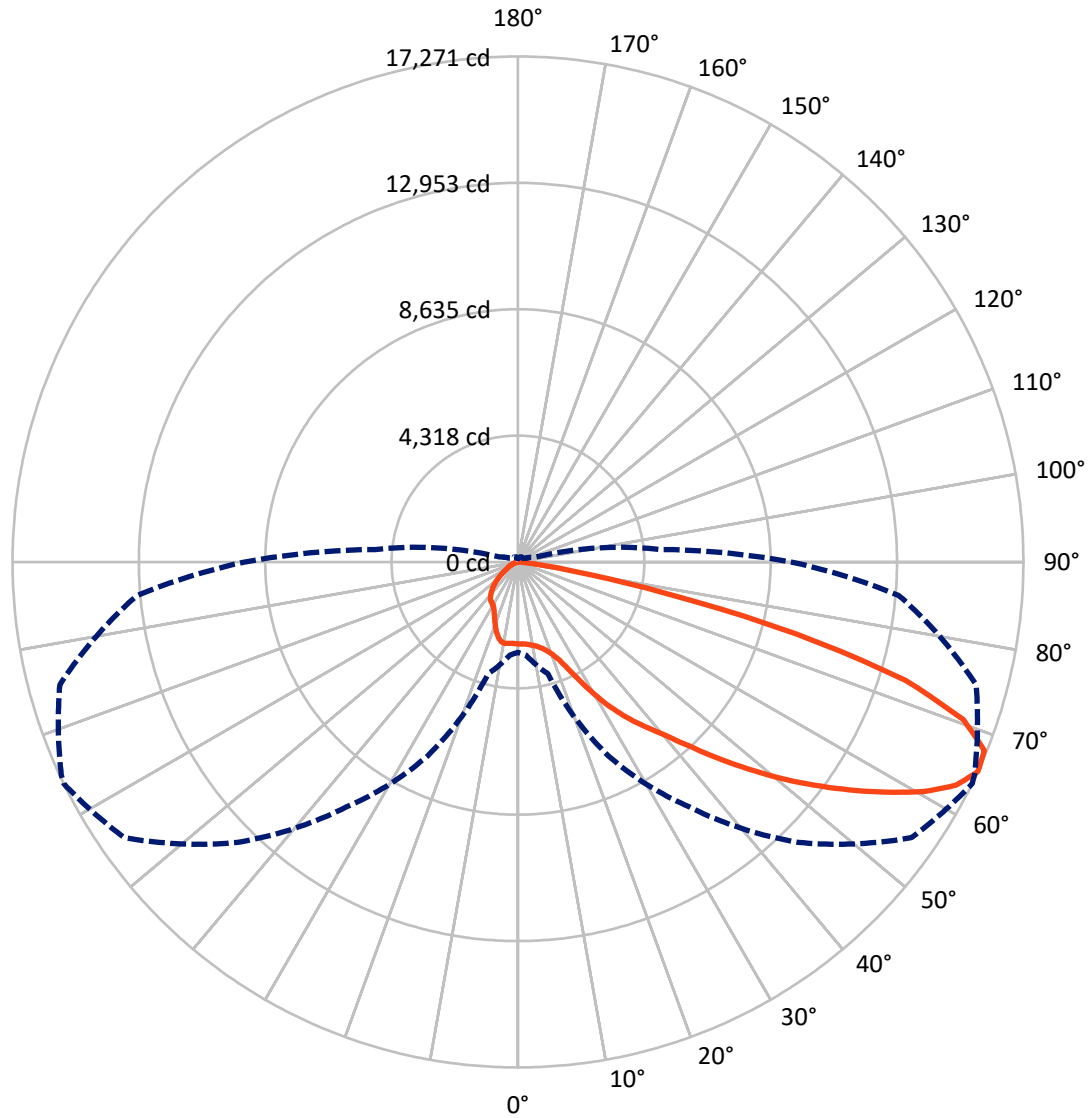
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3218.1	0.0	3218.1
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	20845.9	0.0	20845.9
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	24064.0	0.0	24064.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.2	1.1
10°-20°	700.4	2.9
20°-30°	1327.2	5.5
30°-40°	2685.6	11.2
40°-50°	4574.9	19.0
50°-60°	6221.5	25.9
60°-70°	5842.3	24.3
70°-80°	2340.7	9.7
80°-90°	113.4	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°	24064.0	100.0
0°-180°	24064.0	100.0

**Coefficient of Utilization**



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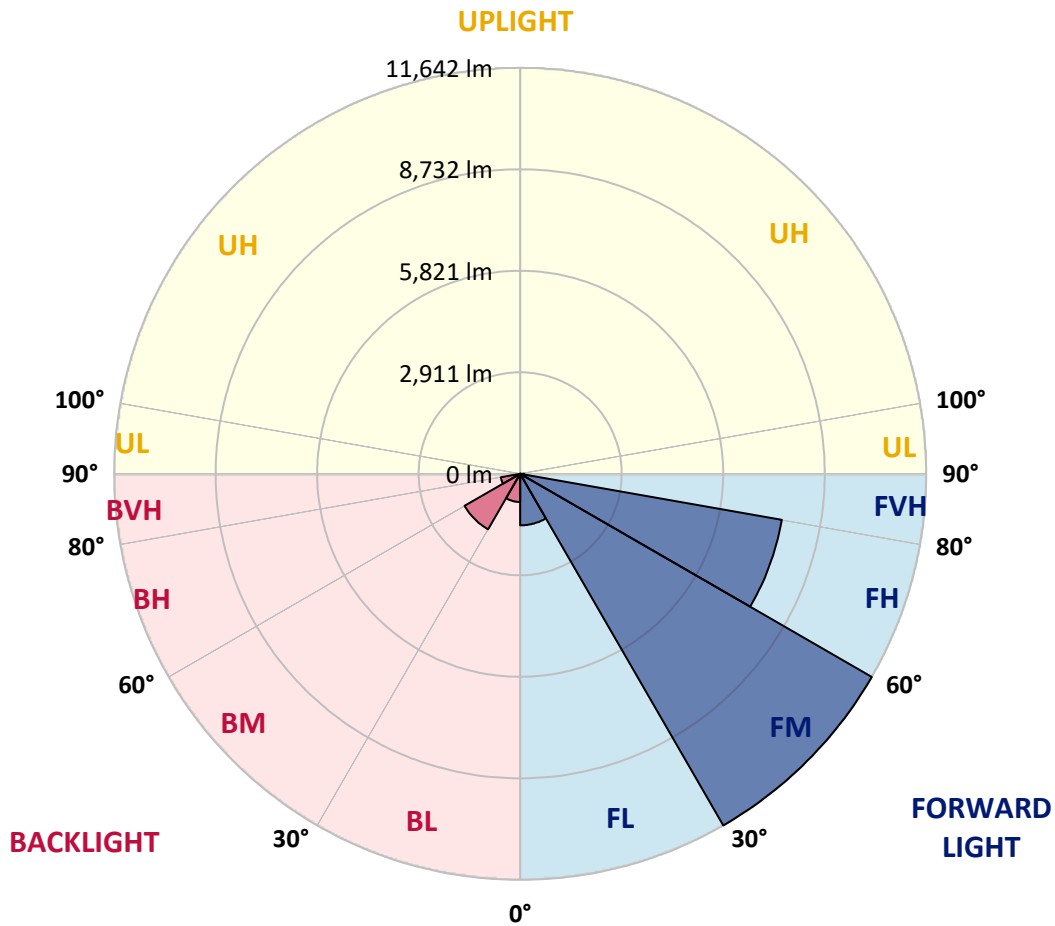
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1477.8	6.1			
FM (30°-60°)	11642.1	48.4			
FH (60°-80°)	7618.1	31.7			G4/12000
FVH (80°-90°)	107.9	0.4			G2/225
BL (0°-30°)	808.0	3.4	B2/1000		
BM (30°-60°)	1839.8	7.6	B2/2500		
BH (60°-80°)	564.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.5	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-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9
2.5°	2789.2	2808.6	2803.7	2798.9	2797.3	2800.5	2802.1	2800.5	2800.5	2800.5
5°	2736.0	2752.1	2752.1	2763.4	2779.5	2798.9	2813.4	2816.6	2819.9	2824.7
7.5°	2634.3	2647.3	2656.9	2694.0	2734.4	2786.0	2829.5	2852.1	2855.4	2873.1
10°	2565.0	2581.1	2597.2	2636.0	2694.0	2771.5	2845.7	2900.5	2908.6	2950.5
12.5°	2561.8	2577.9	2598.9	2640.8	2708.6	2790.8	2881.2	2960.2	2974.7	3036.0
15°	2595.6	2615.0	2634.3	2686.0	2758.6	2858.6	2955.4	3053.8	3068.3	3155.4
17.5°	2665.0	2690.8	2705.3	2757.0	2834.4	2945.7	3073.1	3186.1	3199.0	3300.6
20°	2802.1	2832.8	2837.6	2879.6	2955.4	3074.7	3226.4	3366.7	3382.9	3499.0
22.5°	3086.0	3129.6	3090.9	3111.9	3179.6	3299.0	3463.5	3641.0	3663.6	3795.8
25°	3586.1	3647.4	3547.4	3511.9	3541.0	3665.2	3871.7	4095.9	4121.7	4228.2
27.5°	4568.6	4489.5	4337.9	4189.5	4102.4	4173.3	4405.6	4683.1	4715.4	4818.6
30°	5647.8	5578.4	5373.6	5044.5	4838.0	4826.7	5041.2	5351.0	5388.1	5486.5
32.5°	6728.6	6662.5	6439.9	6035.0	5676.8	5499.4	5647.8	5991.4	6010.8	6073.7
35°	7791.7	7724.0	7501.4	7086.8	6646.4	6243.1	6214.0	6601.2	6607.6	6673.8
37.5°	8861.3	8804.8	8567.7	8161.2	7727.2	7170.7	6901.2	7178.7	7186.8	7251.3
40°	9624.3	9648.5	9485.6	9171.0	8798.4	8190.2	7672.4	7793.3	7744.9	7853.0
42.5°	10279.3	10327.7	10185.7	10027.6	9811.5	9275.9	8627.4	8606.4	8529.0	8587.0
45°	10845.5	10885.8	10758.4	10721.3	10716.5	10340.6	9671.1	9545.3	9437.2	9425.9
47.5°	11053.6	11131.0	11185.9	11310.1	11552.1	11394.0	10750.3	10555.1	10434.1	10345.4
50°	11132.7	11214.9	11402.1	11763.4	12336.1	12403.9	11824.7	11605.3	11456.9	11295.6
52.5°	11026.2	11173.0	11424.6	12032.8	12863.6	13213.7	12855.5	12663.6	12494.2	12231.2
55°	10398.7	10545.5	11060.1	12029.6	13126.6	13781.5	13829.9	13744.4	13554.1	13139.5
57.5°	9075.8	9293.6	10108.3	11619.8	13121.7	14270.3	14784.9	14846.2	14633.3	14039.6
60°	7243.2	7538.5	8532.2	10711.6	12716.8	14534.9	15622.2	15928.7	15702.8	14926.9
62.5°	5054.1	5396.1	6336.6	9288.8	11790.8	14344.5	16233.6	16799.8	16628.8	15720.6
65°	3082.8	3192.5	3950.7	7309.4	10216.4	13547.6	16422.3	17270.9	17214.4	16206.2
67.5°	2053.6	2145.5	2363.3	5012.2	7930.5	11955.4	15970.6	17188.6	17204.7	16127.1
70°	1237.3	1316.4	1458.3	2915.0	5139.6	9463.0	14572.0	16140.0	16233.6	15070.5
72.5°	509.8	563.0	692.1	1321.2	2661.8	6005.9	11603.7	13857.3	14075.1	12671.6
75°	288.8	316.2	406.5	663.0	1155.0	2798.9	7028.7	9837.3	10158.3	8733.8
77.5°	192.0	204.9	263.0	429.1	650.1	955.0	3003.8	5125.1	5738.1	4770.2
80°	129.1	140.3	180.7	287.1	422.7	409.8	956.6	1898.7	2335.9	1639.0
82.5°	87.1	88.7	129.1	188.7	267.8	198.4	282.3	590.4	742.1	474.3
85°	50.0	48.4	95.2	109.7	119.4	82.3	85.5	177.5	232.3	200.0
87.5°	6.5	9.7	37.1	29.0	16.1	17.7	17.7	30.7	45.2	48.4
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°
2798.9	0°	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9
2802.1	2.5°	2802.1	2800.5	2795.7	2790.8	2779.5	2773.1	2776.3	2773.1	2771.5	2773.1
2823.1	5°	2823.1	2818.3	2805.3	2789.2	2766.6	2739.2	2721.5	2695.6	2671.5	2656.9
2879.6	7.5°	2879.6	2874.7	2857.0	2811.8	2739.2	2624.7	2519.8	2427.9	2358.5	2318.2
2969.9	10°	2969.9	2961.8	2934.4	2834.4	2644.0	2394.0	2185.9	2013.3	1900.3	1847.1
3076.4	12.5°	3076.4	3066.7	3018.3	2813.4	2463.3	2073.0	1785.8	1593.8	1489.0	1442.2
3199.0	15°	3202.2	3189.3	3094.1	2713.4	2200.4	1718.1	1455.1	1311.5	1243.8	1201.8
3355.4	17.5°	3358.7	3336.1	3150.6	2563.4	1914.9	1447.0	1251.8	1143.8	1084.1	1043.7
3560.3	20°	3561.9	3524.8	3195.7	2384.3	1651.9	1276.0	1114.7	1024.4	979.2	943.7
3850.7	22.5°	3845.9	3792.6	3250.6	2190.7	1466.4	1158.3	1013.1	946.9	909.8	869.5
4255.6	25°	4197.5	4134.6	3318.3	2011.7	1339.0	1056.6	938.9	884.0	840.5	793.7
4786.3	27.5°	4689.6	4576.6	3399.0	1864.9	1229.3	969.5	871.1	809.8	759.8	721.1
5388.1	30°	5238.0	5052.5	3470.0	1776.1	1129.2	888.9	782.4	721.1	674.3	646.9
5928.5	32.5°	5757.5	5505.8	3516.8	1737.4	1038.9	796.9	685.6	619.5	584.0	575.9
6457.6	35°	6247.9	5915.6	3511.9	1700.3	958.2	705.0	590.4	522.7	495.3	500.1
7027.1	37.5°	6812.5	6352.8	3478.0	1642.2	892.1	621.1	508.2	448.5	424.3	425.9
7719.1	40°	7469.1	6857.7	3457.1	1532.5	819.5	543.6	440.4	392.0	374.3	367.8
8448.3	42.5°	8169.2	7346.5	3460.3	1408.3	729.2	474.3	393.6	353.3	337.2	332.3
9259.7	45°	8872.6	7812.7	3465.1	1279.3	634.0	421.0	359.7	325.9	316.2	309.7
10082.5	47.5°	9534.0	8209.5	3374.8	1140.5	540.4	380.7	332.3	309.7	301.7	293.6
10908.4	50°	10150.2	8474.1	3157.0	979.2	466.2	348.5	311.3	295.2	287.1	279.1
11656.9	52.5°	10629.3	8516.1	2797.3	813.1	414.6	324.3	298.4	283.9	274.2	266.2
12261.9	55°	10842.3	8253.1	2285.9	658.2	374.3	303.3	285.5	271.0	259.7	251.7
12737.8	57.5°	10787.4	7699.8	1782.6	529.1	335.5	282.3	269.4	259.7	246.8	233.9
13123.3	60°	10518.0	6959.3	1343.8	440.4	300.1	259.7	251.7	243.6	225.8	206.5
13271.8	62.5°	10051.8	6028.5	958.2	364.6	261.3	233.9	230.7	224.2	198.4	162.9
13052.4	65°	9338.8	4897.7	645.3	303.3	224.2	204.9	206.5	195.2	161.3	121.0
12249.0	67.5°	8296.7	3581.3	413.0	248.4	187.1	171.0	172.6	166.2	137.1	103.2
10726.1	70°	6969.0	2371.4	269.4	188.7	150.0	132.3	142.0	143.6	116.2	83.9
8232.1	72.5°	5109.0	1400.3	188.7	140.3	109.7	92.0	116.2	119.4	93.6	62.9
4952.5	75°	2911.8	664.6	142.0	101.6	67.8	64.5	90.3	90.3	64.5	41.9
2143.9	77.5°	1222.8	277.5	100.0	66.1	38.7	37.1	61.3	56.5	32.3	19.4
522.7	80°	353.3	124.2	53.2	32.3	16.1	14.5	24.2	17.7	8.1	3.2
198.4	82.5°	138.7	54.8	21.0	12.9	6.5	6.5	3.2	0.0	0.0	0.0
112.9	85°	82.3	22.6	9.7	4.8	1.6	0.0	0.0	0.0	0.0	0.0
24.2	87.5°	21.0	4.8	3.2	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

180°
2798.9
2779.5
2660.2
2319.8
1842.3
1437.4
1203.4
1040.5
937.3
863.1
788.9
713.0
642.1
580.8
500.1
432.3
366.2
330.7
309.7
293.6
279.1
264.6
250.0
232.3
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