

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: P948245

Luminaire Tested: **GALN-SB3B-835-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948245  
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-SB3B-835-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

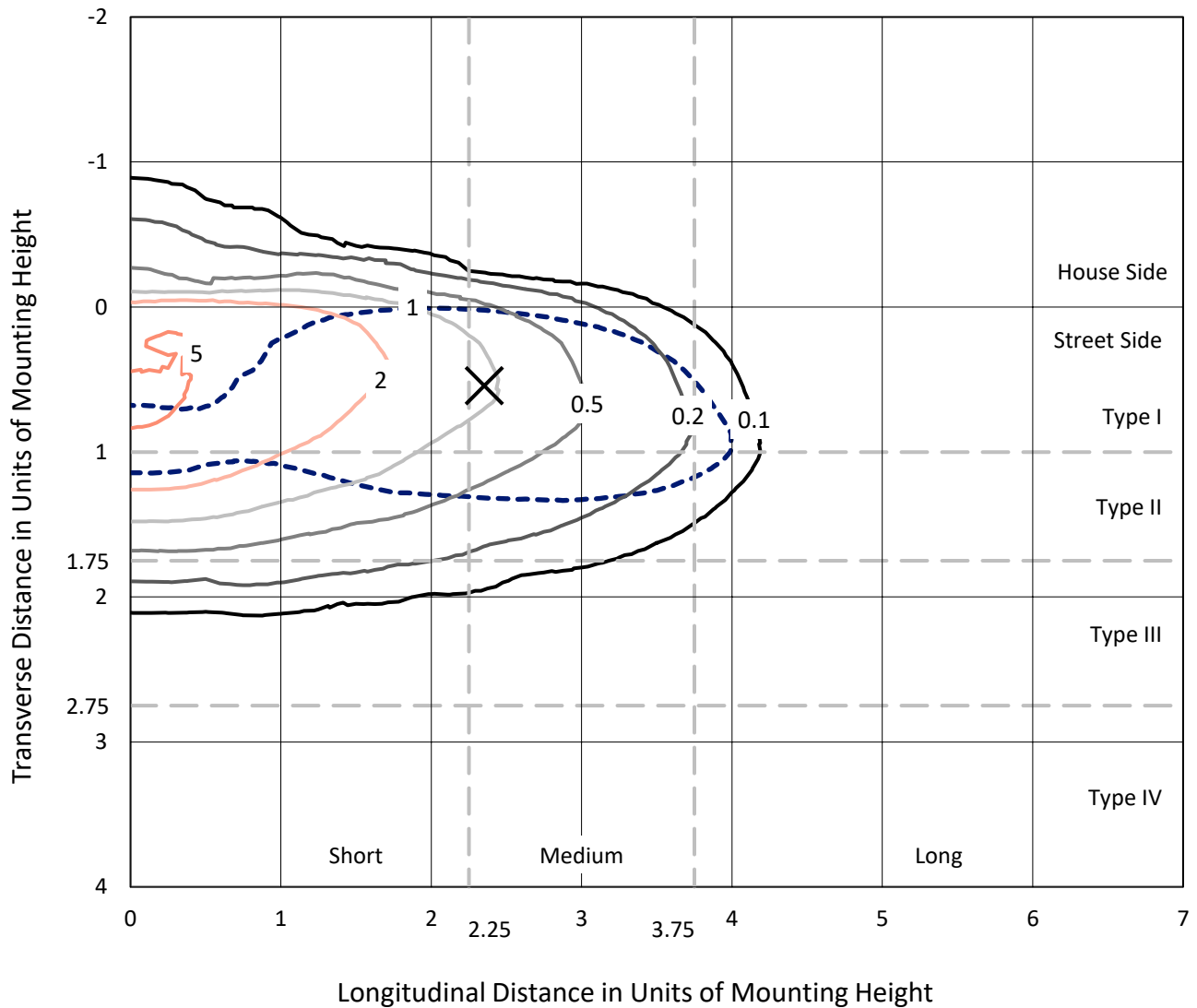
Lumens per Lamp: N/A  
Luminaire Lumens: 13268 lumens  
Efficiency: N/A  
Efficacy: 121.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

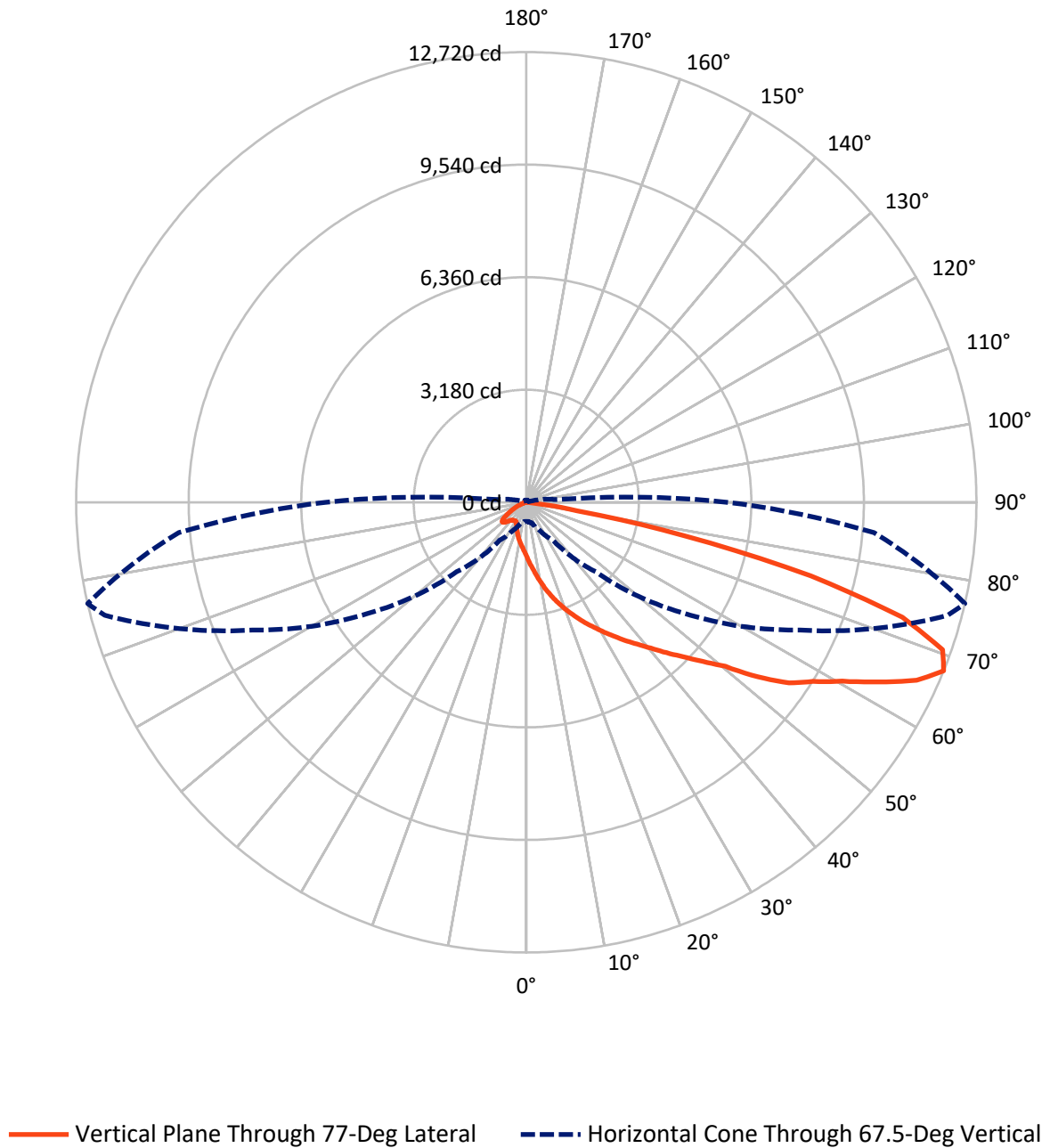
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	976.1	0.0	976.1
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	12291.9	0.0	12291.9
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	13268.0	0.0	13268.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.2	1.2
10°-20°	546.9	4.1
20°-30°	1055.3	8.0
30°-40°	1832.0	13.8
40°-50°	2660.0	20.0
50°-60°	3054.7	23.0
60°-70°	2652.0	20.0
70°-80°	1249.1	9.4
80°-90°	61.8	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°	13268.0	100.0
0°-180°	13268.0	100.0

**Coefficient of Utilization**



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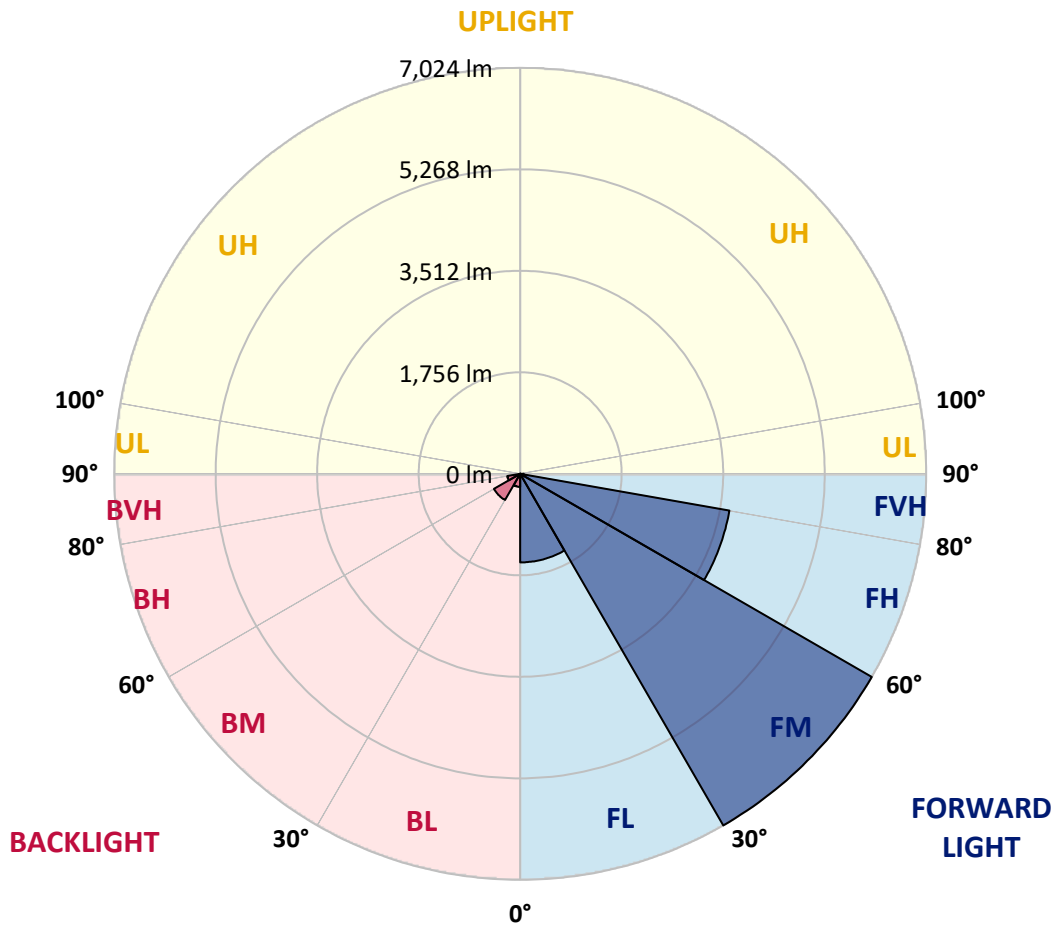
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1532.3	11.5			
FM (30°-60°)	7023.7	52.9			
FH (60°-80°)	3675.2	27.7			G2/5000
FVH (80°-90°)	60.6	0.5			G1/100
BL (0°-30°)	226.0	1.7	B1/500		
BM (30°-60°)	523.0	3.9	B1/1000		
BH (60°-80°)	226.0	1.7	B1/500		G1/500
BVH (80°-90°)	1.1	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°	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0
2.5°	2118.3	2131.4	2112.5	2076.2	2021.9	1986.4	1899.9	1818.4	1727.7	1698.9
5°	2582.1	2593.7	2572.2	2532.7	2460.2	2391.0	2277.3	2106.7	1929.6	1872.7
7.5°	2925.7	2932.3	2924.0	2887.8	2818.6	2740.3	2613.4	2411.6	2148.7	2086.1
10°	3172.9	3194.3	3191.8	3177.8	3131.7	3068.2	2933.1	2703.2	2394.3	2313.5
12.5°	3336.8	3360.7	3374.7	3406.0	3403.6	3363.2	3244.5	3001.5	2639.0	2544.2
15°	3384.6	3410.2	3463.7	3536.2	3600.5	3621.1	3537.9	3294.0	2908.4	2787.3
17.5°	3357.4	3397.0	3461.2	3575.8	3716.6	3809.7	3800.7	3576.6	3153.1	3014.7
20°	3417.6	3455.5	3505.7	3602.1	3766.1	3935.0	4002.5	3846.8	3396.1	3251.1
22.5°	3750.4	3743.8	3748.8	3764.4	3862.5	4029.7	4169.0	4092.3	3636.7	3488.4
25°	4277.7	4248.1	4197.8	4112.9	4088.2	4169.0	4314.0	4309.9	3890.5	3731.5
27.5°	4882.5	4877.5	4759.7	4555.4	4440.0	4408.7	4477.9	4521.6	4141.8	3972.1
30°	5461.7	5474.9	5315.8	5088.5	4876.7	4753.9	4691.3	4722.6	4397.2	4231.6
32.5°	5965.9	5979.9	5806.9	5540.8	5278.8	5130.5	4998.6	4921.2	4675.7	4495.2
35°	6391.9	6405.9	6207.3	5913.2	5633.9	5499.6	5350.5	5138.7	4955.8	4787.7
37.5°	6772.5	6768.4	6502.3	6205.7	5931.3	5825.0	5746.8	5406.5	5244.2	5081.9
40°	6997.4	7014.7	6787.3	6460.3	6194.1	6116.7	6111.7	5738.5	5577.0	5419.7
42.5°	7063.4	7093.8	6929.1	6660.5	6419.1	6335.0	6464.4	6097.7	5964.3	5811.0
45°	6944.7	6974.4	6899.4	6713.2	6572.3	6517.9	6767.6	6470.1	6377.9	6226.3
47.5°	6598.7	6635.7	6653.9	6614.3	6612.7	6667.9	7039.5	6862.3	6868.9	6714.0
50°	5928.8	5991.5	6157.9	6297.9	6514.6	6786.5	7303.9	7287.5	7422.6	7289.1
52.5°	4711.1	4800.1	5373.5	5756.6	6243.6	6764.3	7594.8	7969.7	8394.0	8198.7
55°	3785.9	3785.9	4252.2	4969.0	5714.6	6617.6	7721.7	8412.9	9055.6	9009.4
57.5°	3086.4	3123.4	3420.9	4054.4	4949.2	6268.3	7799.9	8691.4	9588.6	9554.9
60°	1904.9	1984.8	2546.7	3172.0	4078.3	5646.2	7750.5	8973.2	10235.4	10262.6
62.5°	1072.7	1102.4	1352.9	2282.2	3171.2	4810.0	7372.3	9130.5	11062.6	11177.9
65°	740.7	755.5	851.9	1420.4	2198.2	3829.5	6633.3	9032.5	11891.5	12124.6
67.5°	538.0	545.4	605.6	867.6	1304.2	2776.6	5474.9	8538.1	12330.6	12720.3
70°	413.6	418.5	462.2	570.1	770.4	1713.7	3976.2	7555.2	12012.6	12478.1
72.5°	336.2	341.1	374.9	421.8	510.8	1013.4	2409.9	6135.6	10608.6	11111.2
75°	283.4	290.0	320.5	351.0	400.4	650.9	1130.4	4272.8	7977.9	8307.5
77.5°	157.4	145.0	260.4	290.8	337.8	412.0	528.9	2514.6	4468.0	4559.5
80°	98.0	101.3	206.8	234.0	259.5	207.6	242.2	968.1	1548.9	1471.5
82.5°	5.8	13.2	159.0	168.9	178.0	89.0	91.5	328.7	373.2	342.7
85°	0.0	0.0	72.5	58.5	61.8	25.5	26.4	76.6	50.3	54.4
87.5°	0.0	0.0	0.0	1.6	0.0	2.5	4.9	6.6	2.5	3.3
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°
1530.0	0°	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0
1608.3	2.5°	1550.6	1492.9	1375.9	1261.4	1168.3	1081.8	1020.0	961.5	931.8	930.2
1712.1	5°	1597.6	1476.4	1242.5	1035.7	869.2	735.7	649.2	587.4	556.1	545.4
1839.8	7.5°	1663.5	1481.4	1125.5	837.9	641.8	527.3	477.9	458.1	451.5	444.1
1984.0	10°	1746.7	1492.9	1020.8	674.8	505.9	448.2	428.4	420.2	415.2	410.3
2146.3	12.5°	1839.8	1503.6	917.0	560.3	444.9	415.2	401.2	391.4	384.8	379.0
2312.7	15°	1930.4	1510.2	809.1	480.3	413.6	389.7	374.9	364.2	355.1	348.5
2475.8	17.5°	2020.2	1519.3	707.7	432.6	388.1	364.2	349.3	336.2	328.7	321.3
2647.2	20°	2119.9	1517.6	612.2	398.8	362.5	338.6	323.0	310.6	303.2	295.0
2828.5	22.5°	2212.2	1509.4	528.1	369.9	336.2	313.1	295.8	283.4	276.0	269.4
3013.9	25°	2318.5	1502.8	458.1	343.6	311.4	288.4	269.4	257.9	249.6	243.9
3200.1	27.5°	2420.6	1492.9	407.0	319.7	287.5	265.3	247.2	234.0	226.6	222.5
3392.0	30°	2521.2	1490.4	388.1	296.6	266.1	243.9	225.8	213.4	207.6	206.0
3602.9	32.5°	2642.3	1497.0	396.3	288.4	246.3	224.1	206.8	197.7	192.0	192.0
3837.8	35°	2771.6	1495.4	408.7	295.8	233.2	204.3	191.1	185.4	179.6	179.6
4098.1	37.5°	2933.9	1497.9	418.5	308.1	228.2	187.9	180.4	173.0	169.7	169.7
4383.2	40°	3176.2	1579.4	413.6	318.9	226.6	176.3	161.5	159.0	156.5	156.5
4705.3	42.5°	3472.8	1756.6	420.2	319.7	225.8	168.1	148.3	153.2	147.5	146.7
5068.7	45°	3797.4	1950.2	462.2	302.4	224.9	164.0	141.7	147.5	138.4	138.4
5489.7	47.5°	4119.5	2142.2	505.1	277.7	222.5	163.1	135.9	132.6	130.2	131.0
6038.4	50°	4563.6	2298.7	521.5	243.9	216.7	161.5	125.2	126.1	124.4	126.1
6812.1	52.5°	5047.3	2331.7	501.8	206.0	200.2	156.5	117.8	121.1	120.3	121.9
7356.7	55°	5348.8	2296.2	414.4	171.4	174.7	136.8	110.4	117.0	117.0	117.0
7888.9	57.5°	5660.2	2145.5	294.1	139.2	145.0	112.1	103.8	112.9	112.1	111.2
8529.9	60°	5884.3	1901.6	193.6	114.5	115.3	92.3	96.4	106.3	105.5	101.3
9190.7	62.5°	6051.6	1632.2	124.4	97.2	88.2	83.2	88.2	96.4	93.1	84.0
9750.9	65°	6032.6	1258.9	95.6	83.2	72.5	72.5	76.6	84.0	74.2	59.3
9858.0	67.5°	5680.8	851.9	79.1	70.0	61.0	60.1	63.4	70.0	63.4	50.3
9309.3	70°	5052.2	557.0	63.4	54.4	48.6	44.5	51.1	60.1	53.6	40.4
7925.2	72.5°	4100.6	339.4	47.8	39.5	35.4	28.8	40.4	49.4	42.8	29.7
5511.1	75°	2653.0	173.0	33.0	25.5	18.9	17.3	29.7	37.1	29.7	18.1
2445.4	77.5°	1015.1	72.5	18.1	11.5	9.9	8.2	16.5	22.2	12.4	4.1
473.7	80°	195.3	30.5	9.1	5.8	4.9	3.3	2.5	1.6	0.0	0.0
84.0	82.5°	33.8	9.9	3.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0
16.5	85°	11.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.8	87.5°	4.1	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

180°
1530.0
928.5
543.8
442.4
408.7
377.3
347.7
320.5
294.1
268.6
243.1
222.5
205.2
192.0
179.6
169.7
156.5
145.8
138.4
131.0
126.1
121.9
117.0
111.2
101.3
82.4
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28.0
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