

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: P946922

Luminaire Tested: **GALN-SB2B-935-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946922  
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-SB2B-935-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

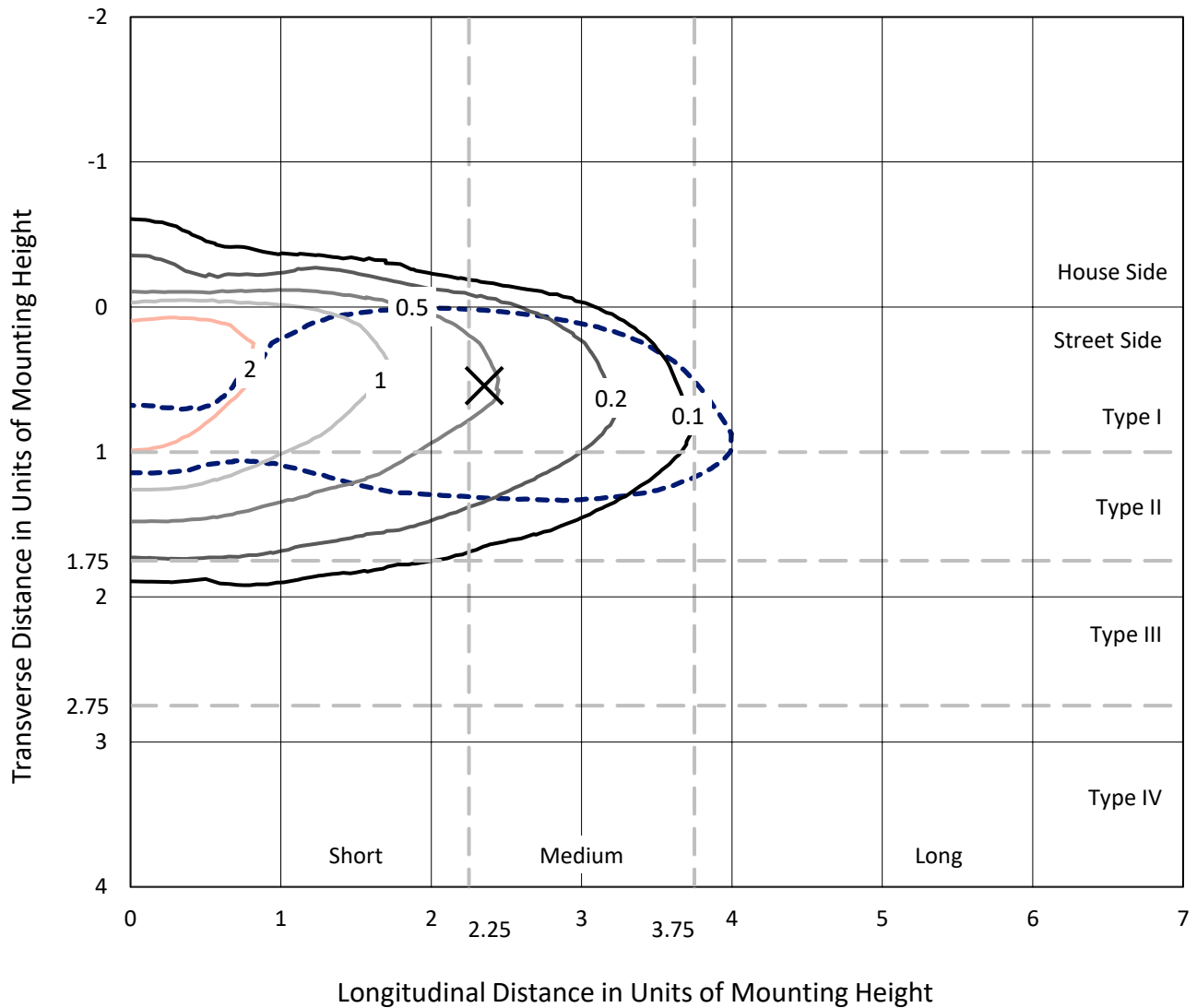
Lumens per Lamp: N/A  
Luminaire Lumens: 6633 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

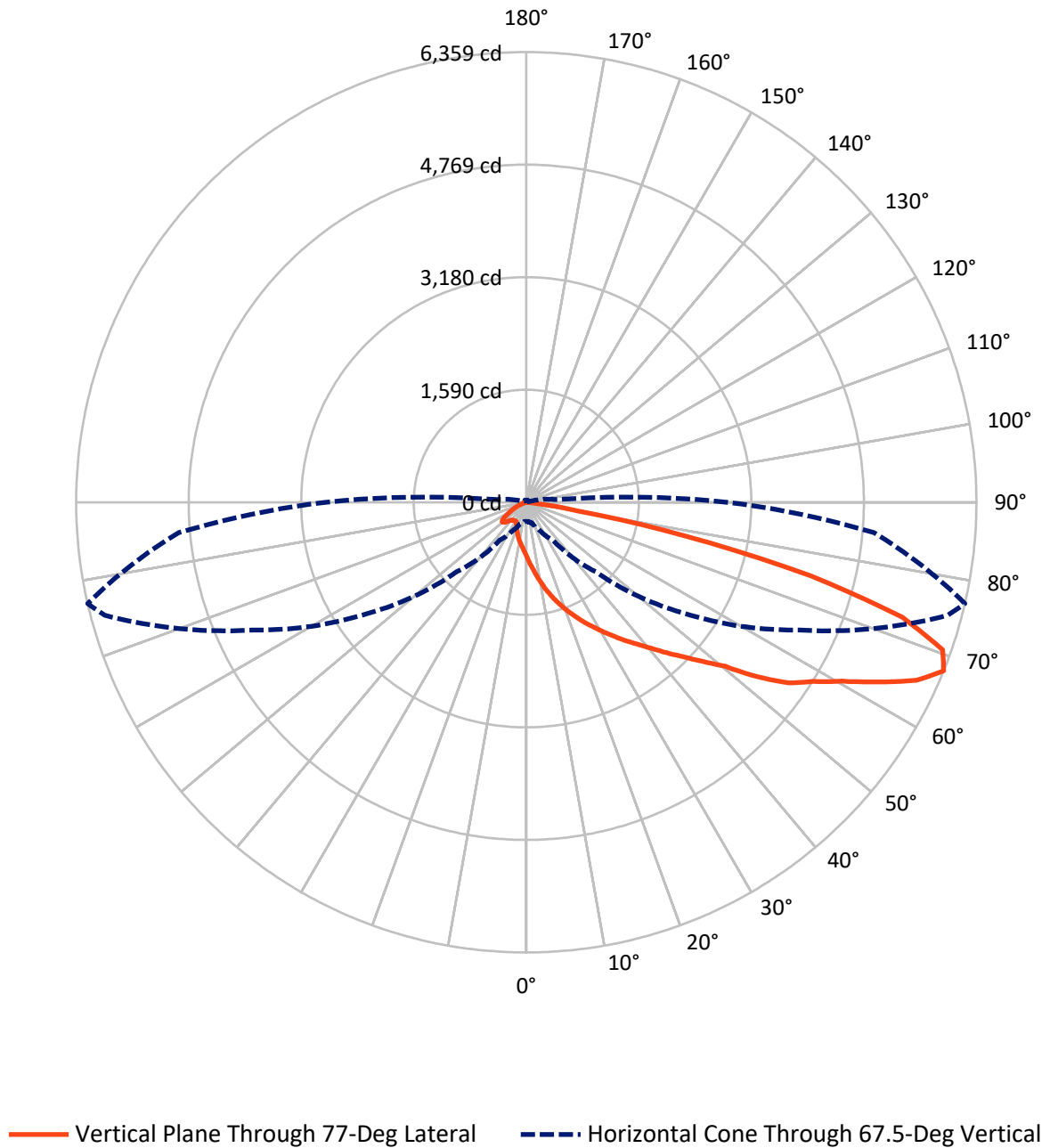
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	488.0	0.0	488.0
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	6145.0	0.0	6145.0
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	6633.0	0.0	6633.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.1	1.2
10°-20°	273.4	4.1
20°-30°	527.6	8.0
30°-40°	915.9	13.8
40°-50°	1329.8	20.0
50°-60°	1527.1	23.0
60°-70°	1325.8	20.0
70°-80°	624.5	9.4
80°-90°	30.9	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°	6633.0	100.0
0°-180°	6633.0	100.0

**Coefficient of Utilization**



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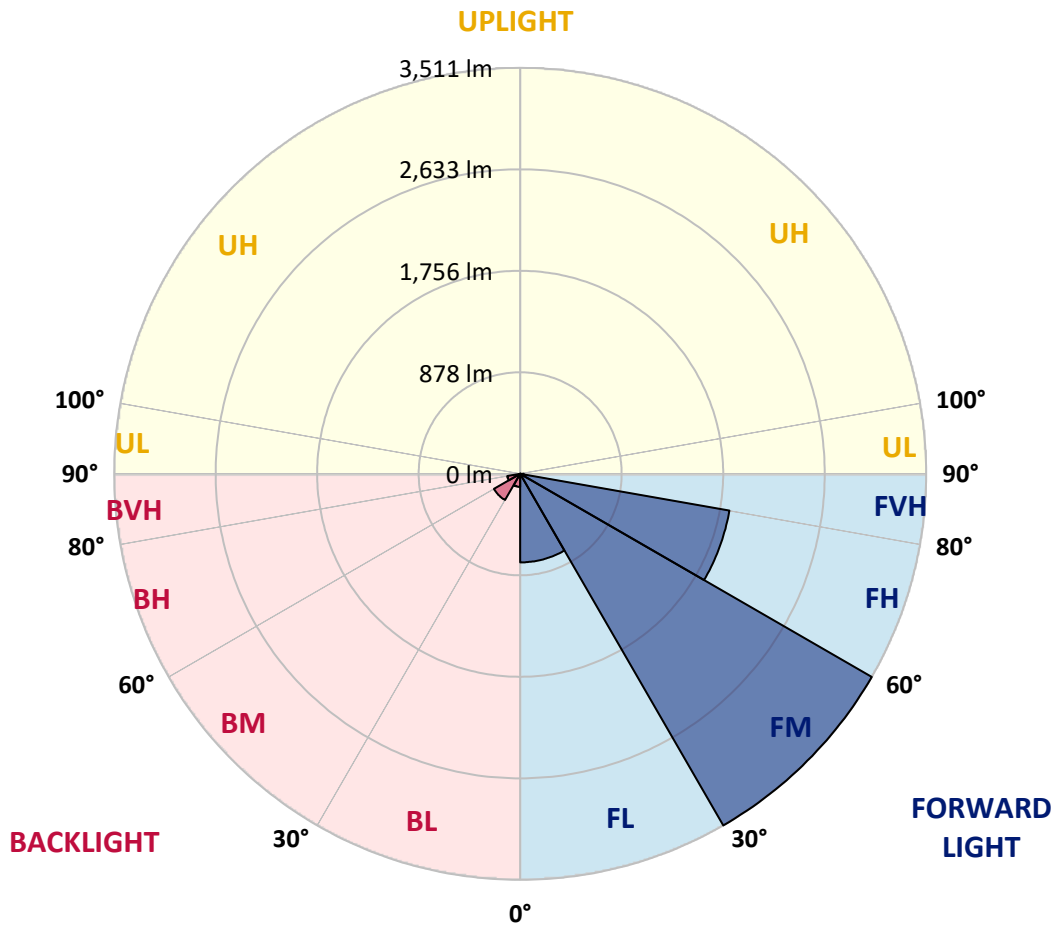
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	766.0	11.5			
FM (30°-60°)	3511.3	52.9			
FH (60°-80°)	1837.3	27.7			G2/5000
FVH (80°-90°)	30.3	0.5			G1/100
BL (0°-30°)	113.0	1.7	B1/500		
BM (30°-60°)	261.5	3.9	B1/1000		
BH (60°-80°)	113.0	1.7	B1/500		G1/500
BVH (80°-90°)	0.6	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°	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9
2.5°	1059.0	1065.6	1056.1	1038.0	1010.8	993.1	949.8	909.0	863.7	849.3
5°	1290.9	1296.6	1285.9	1266.2	1229.9	1195.3	1138.5	1053.2	964.6	936.2
7.5°	1462.6	1465.9	1461.8	1443.7	1409.1	1370.0	1306.5	1205.6	1074.2	1042.9
10°	1586.2	1596.9	1595.7	1588.7	1565.6	1533.9	1466.3	1351.4	1197.0	1156.6
12.5°	1668.2	1680.1	1687.1	1702.8	1701.5	1681.3	1622.0	1500.5	1319.3	1271.9
15°	1692.1	1704.8	1731.6	1767.8	1800.0	1810.3	1768.7	1646.7	1454.0	1393.4
17.5°	1678.5	1698.2	1730.4	1787.6	1858.0	1904.6	1900.1	1788.0	1576.3	1507.1
20°	1708.5	1727.5	1752.6	1800.8	1882.8	1967.2	2001.0	1923.1	1697.8	1625.3
22.5°	1874.9	1871.6	1874.1	1881.9	1930.9	2014.6	2084.2	2045.9	1818.1	1743.9
25°	2138.5	2123.7	2098.6	2056.2	2043.8	2084.2	2156.7	2154.6	1945.0	1865.5
27.5°	2440.9	2438.4	2379.5	2277.3	2219.7	2204.0	2238.6	2260.5	2070.6	1985.7
30°	2730.4	2737.0	2657.5	2543.8	2438.0	2376.6	2345.3	2361.0	2198.3	2115.5
32.5°	2982.5	2989.5	2903.0	2770.0	2639.0	2564.8	2498.9	2460.2	2337.5	2247.3
35°	3195.5	3202.5	3103.2	2956.1	2816.5	2749.4	2674.8	2569.0	2477.5	2393.5
37.5°	3385.7	3383.7	3250.6	3102.4	2965.2	2912.1	2872.9	2702.8	2621.7	2540.5
40°	3498.2	3506.8	3393.2	3229.6	3096.6	3057.9	3055.4	2868.8	2788.1	2709.4
42.5°	3531.1	3546.4	3464.0	3329.7	3209.0	3167.0	3231.7	3048.4	2981.7	2905.1
45°	3471.8	3486.7	3449.2	3356.1	3285.7	3258.5	3383.3	3234.6	3188.5	3112.7
47.5°	3298.8	3317.4	3326.4	3306.7	3305.8	3333.4	3519.2	3430.6	3433.9	3356.5
50°	2964.0	2995.3	3078.5	3148.5	3256.8	3392.7	3651.4	3643.2	3710.7	3644.0
52.5°	2355.2	2399.7	2686.4	2877.9	3121.3	3381.6	3796.8	3984.2	4196.3	4098.7
55°	1892.6	1892.6	2125.8	2484.1	2856.9	3308.3	3860.2	4205.8	4527.1	4504.0
57.5°	1542.9	1561.5	1710.2	2026.9	2474.2	3133.7	3899.4	4345.0	4793.6	4776.7
60°	952.3	992.2	1273.2	1585.8	2038.9	2822.7	3874.7	4485.9	5116.9	5130.5
62.5°	536.3	551.1	676.3	1140.9	1585.4	2404.6	3685.6	4564.6	5530.5	5588.1
65°	370.3	377.7	425.9	710.1	1098.9	1914.5	3316.1	4515.6	5944.8	6061.4
67.5°	269.0	272.7	302.7	433.7	652.0	1388.1	2737.0	4268.4	6164.4	6359.2
70°	206.8	209.2	231.1	285.0	385.1	856.7	1987.8	3777.0	6005.4	6238.1
72.5°	168.1	170.5	187.4	210.9	255.4	506.6	1204.8	3067.4	5303.5	5554.8
75°	141.7	145.0	160.2	175.5	200.2	325.4	565.1	2136.1	3988.3	4153.1
77.5°	78.7	72.5	130.2	145.4	168.9	205.9	264.4	1257.1	2233.7	2279.4
80°	49.0	50.7	103.4	117.0	129.7	103.8	121.1	484.0	774.4	735.6
82.5°	2.9	6.6	79.5	84.4	89.0	44.5	45.7	164.3	186.6	171.3
85°	0.0	0.0	36.2	29.2	30.9	12.8	13.2	38.3	25.1	27.2
87.5°	0.0	0.0	0.0	0.8	0.0	1.2	2.5	3.3	1.2	1.6
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°
764.9	0°	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9
804.0	2.5°	775.2	746.3	687.9	630.6	584.1	540.8	509.9	480.7	465.8	465.0
855.9	5°	798.7	738.1	621.1	517.7	434.5	367.8	324.6	293.7	278.0	272.7
919.8	7.5°	831.6	740.6	562.6	418.9	320.9	263.6	238.9	229.0	225.7	222.0
991.8	10°	873.2	746.3	510.3	337.3	252.9	224.1	214.2	210.1	207.6	205.1
1073.0	12.5°	919.8	751.7	458.4	280.1	222.4	207.6	200.6	195.6	192.4	189.5
1156.2	15°	965.1	755.0	404.5	240.1	206.8	194.8	187.4	182.1	177.5	174.2
1237.7	17.5°	1010.0	759.5	353.8	216.2	194.0	182.1	174.6	168.1	164.3	160.6
1323.4	20°	1059.8	758.7	306.0	199.4	181.2	169.3	161.5	155.3	151.6	147.5
1414.0	22.5°	1105.9	754.6	264.0	184.9	168.1	156.5	147.9	141.7	138.0	134.7
1506.7	25°	1159.1	751.3	229.0	171.8	155.7	144.2	134.7	128.9	124.8	121.9
1599.8	27.5°	1210.1	746.3	203.5	159.8	143.8	132.6	123.6	117.0	113.3	111.2
1695.8	30°	1260.4	745.1	194.0	148.3	133.0	121.9	112.9	106.7	103.8	103.0
1801.2	32.5°	1320.9	748.4	198.1	144.2	123.2	112.0	103.4	98.9	96.0	96.0
1918.6	35°	1385.6	747.6	204.3	147.9	116.6	102.1	95.6	92.7	89.8	89.8
2048.7	37.5°	1466.7	748.8	209.2	154.0	114.1	93.9	90.2	86.5	84.8	84.8
2191.3	40°	1587.8	789.6	206.8	159.4	113.3	88.1	80.7	79.5	78.3	78.3
2352.3	42.5°	1736.1	878.2	210.1	159.8	112.9	84.0	74.1	76.6	73.7	73.3
2534.0	45°	1898.4	974.9	231.1	151.2	112.4	82.0	70.8	73.7	69.2	69.2
2744.4	47.5°	2059.5	1070.9	252.5	138.8	111.2	81.6	68.0	66.3	65.1	65.5
3018.8	50°	2281.5	1149.2	260.7	121.9	108.3	80.7	62.6	63.0	62.2	63.0
3405.5	52.5°	2523.2	1165.7	250.8	103.0	100.1	78.3	58.9	60.5	60.1	61.0
3677.8	55°	2674.0	1147.9	207.2	85.7	87.3	68.4	55.2	58.5	58.5	58.5
3943.9	57.5°	2829.7	1072.6	147.0	69.6	72.5	56.0	51.9	56.4	56.0	55.6
4264.3	60°	2941.7	950.6	96.8	57.3	57.7	46.1	48.2	53.1	52.7	50.7
4594.6	62.5°	3025.3	816.0	62.2	48.6	44.1	41.6	44.1	48.2	46.5	42.0
4874.7	65°	3015.9	629.4	47.8	41.6	36.2	36.2	38.3	42.0	37.1	29.7
4928.3	67.5°	2840.0	425.9	39.5	35.0	30.5	30.1	31.7	35.0	31.7	25.1
4654.0	70°	2525.7	278.4	31.7	27.2	24.3	22.2	25.5	30.1	26.8	20.2
3962.0	72.5°	2050.0	169.7	23.9	19.8	17.7	14.4	20.2	24.7	21.4	14.8
2755.1	75°	1326.3	86.5	16.5	12.8	9.5	8.6	14.8	18.5	14.8	9.1
1222.5	77.5°	507.5	36.2	9.1	5.8	4.9	4.1	8.2	11.1	6.2	2.1
236.8	80°	97.6	15.2	4.5	2.9	2.5	1.6	1.2	0.8	0.0	0.0
42.0	82.5°	16.9	4.9	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
8.2	85°	5.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.9	87.5°	2.1	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

<u>180°</u>
764.9
464.2
271.8
221.2
204.3
188.6
173.8
160.2
147.0
134.3
121.5
111.2
102.6
96.0
89.8
84.8
78.3
72.9
69.2
65.5
63.0
61.0
58.5
55.6
50.7
41.2
28.8
24.3
19.4
14.0
7.8
1.6
0.0
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0.0

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