

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: P946926

Luminaire Tested: **GALN-SB2B-935-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946926  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
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-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

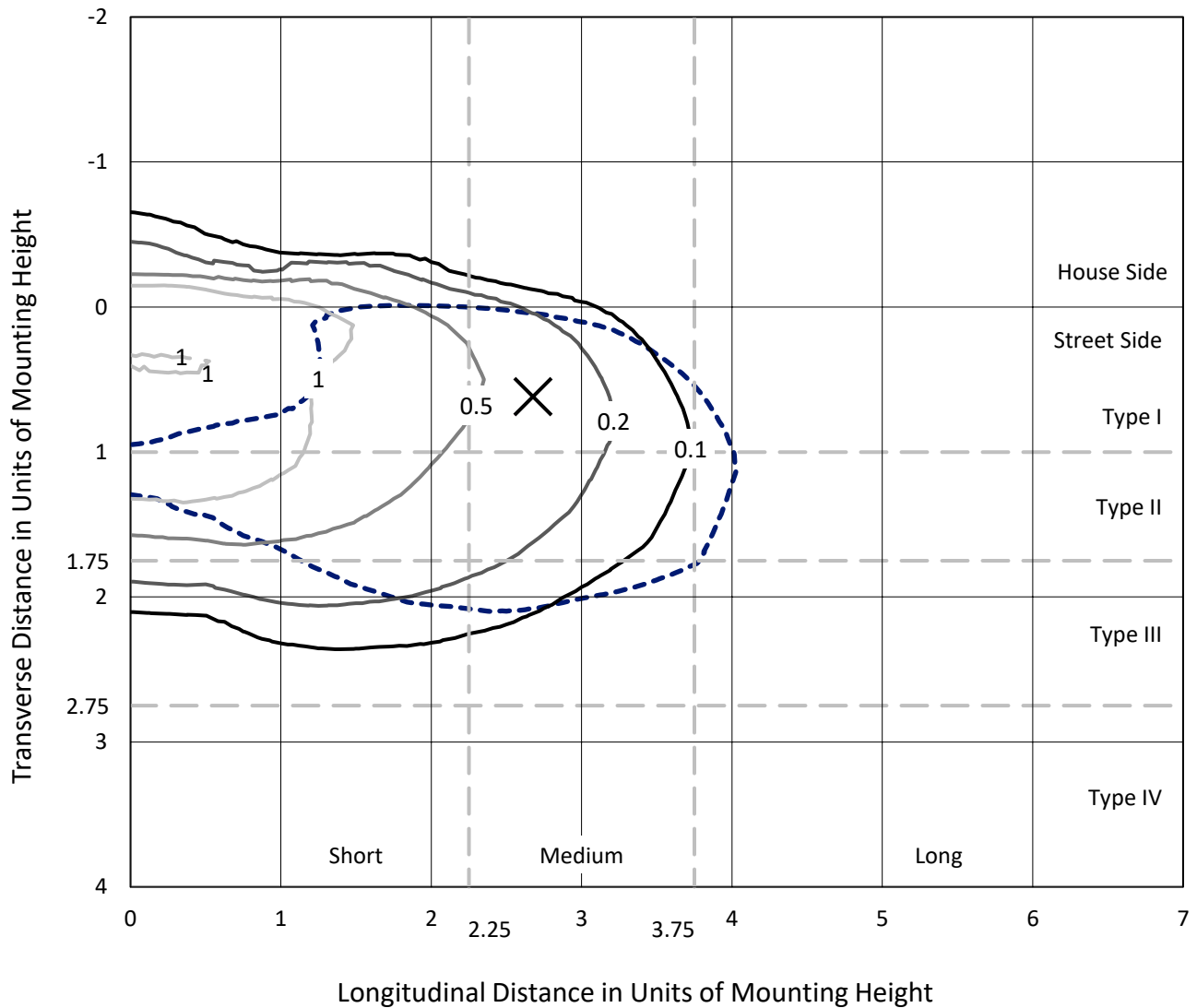
Lumens per Lamp: N/A  
Luminaire Lumens: 6522 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

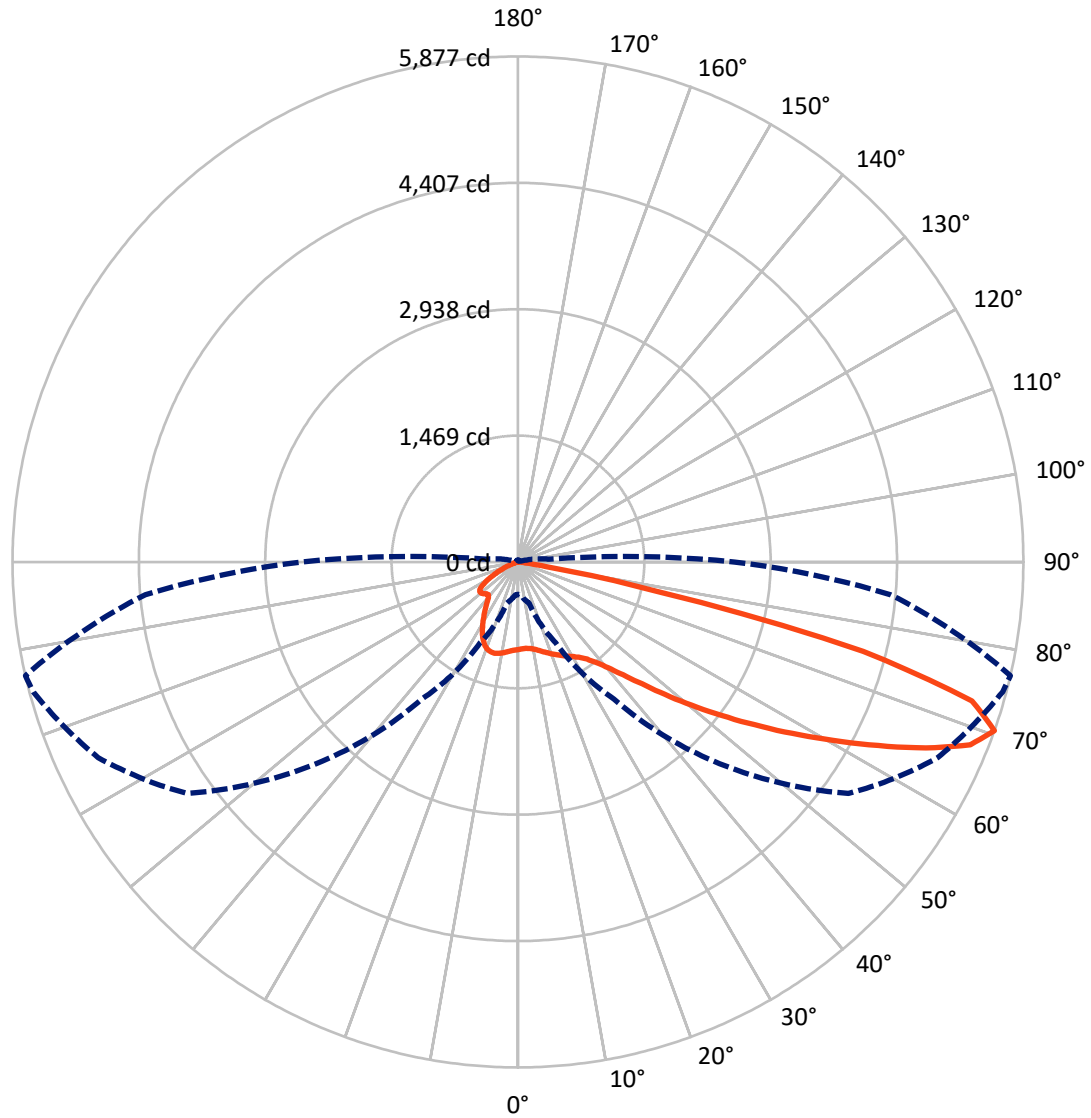
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	687.5	0.0	687.5
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	5834.5	0.0	5834.5
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	6522.0	0.0	6522.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.7	1.3
10°-20°	208.1	3.2
20°-30°	321.9	4.9
30°-40°	584.1	9.0
40°-50°	1102.7	16.9
50°-60°	1593.2	24.4
60°-70°	1696.0	26.0
70°-80°	898.7	13.8
80°-90°	29.5	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°	6522.0	100.0
0°-180°	6522.0	100.0

**Coefficient of Utilization**



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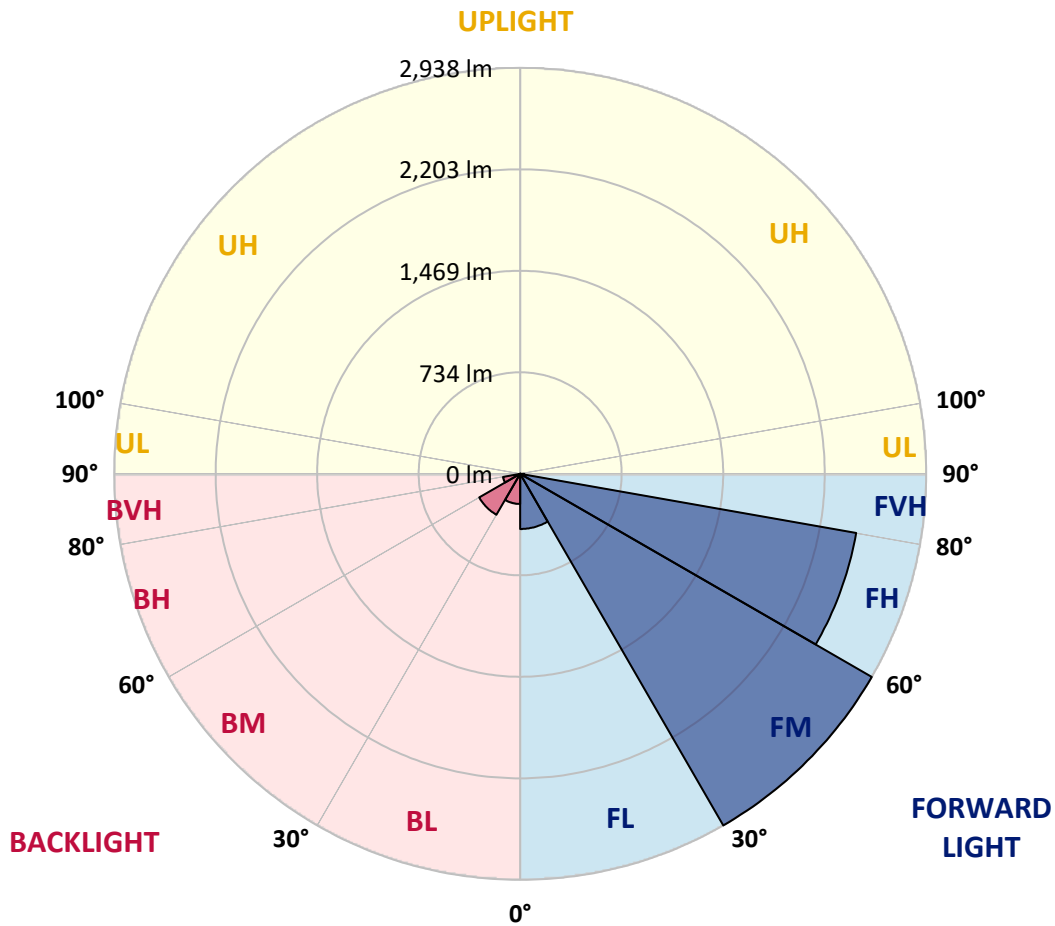
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	399.3	6.1			
FM (30°-60°)	2937.8	45.0			
FH (60°-80°)	2468.7	37.9			G2/5000
FVH (80°-90°)	28.7	0.4			G1/100
BL (0°-30°)	218.4	3.3	B1/500		
BM (30°-60°)	342.2	5.2	B1/1000		
BH (60°-80°)	126.0	1.9	B1/500		G1/500
BVH (80°-90°)	0.8	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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1017.3	1017.3	1017.3	1017.3	1017.3	1017.3	1017.3	1017.3	1017.3	1017.3
2.5°	955.1	963.8	962.5	968.3	970.4	978.6	986.8	998.0	1010.3	1009.9
5°	901.2	909.8	911.9	919.7	929.6	942.4	959.2	981.5	1004.5	1008.3
7.5°	837.3	846.4	851.7	867.4	885.5	911.9	939.5	972.0	1010.3	1015.7
10°	773.5	781.7	788.7	811.0	839.8	878.9	923.8	970.8	1022.3	1030.1
12.5°	733.9	741.8	749.6	769.0	804.8	852.6	913.5	976.5	1042.0	1053.1
15°	719.9	726.9	733.1	750.4	783.8	838.2	911.5	988.5	1067.2	1082.0
17.5°	722.0	725.7	729.8	743.0	775.5	831.6	915.2	1009.1	1096.8	1110.0
20°	733.9	736.0	736.4	745.5	774.3	830.7	922.6	1028.8	1124.8	1142.5
22.5°	749.2	750.0	749.2	755.4	782.1	836.9	932.5	1052.7	1156.1	1172.6
25°	820.4	804.8	785.0	773.1	795.3	848.9	947.3	1084.9	1190.3	1206.4
27.5°	1041.6	996.7	925.9	846.4	822.5	866.2	967.9	1117.4	1224.9	1239.3
30°	1400.8	1341.9	1221.6	1042.4	909.8	902.4	994.7	1149.9	1261.6	1277.2
32.5°	1760.7	1746.3	1607.5	1359.6	1106.3	983.1	1039.1	1194.0	1310.2	1322.5
35°	2124.8	2095.6	1981.9	1736.8	1409.0	1147.5	1113.3	1251.7	1374.0	1388.0
37.5°	2403.7	2386.0	2315.5	2113.7	1768.1	1401.2	1240.1	1341.0	1466.7	1482.3
40°	2650.0	2641.7	2617.8	2484.8	2169.7	1733.1	1437.4	1479.4	1595.2	1613.7
42.5°	2843.5	2862.9	2876.5	2839.4	2583.6	2112.1	1702.7	1673.8	1774.3	1793.3
45°	3041.6	3048.2	3103.0	3156.6	2994.7	2508.3	2001.7	1901.6	1997.1	2020.6
47.5°	3168.9	3195.3	3291.6	3386.0	3340.3	2901.2	2322.9	2170.5	2255.4	2299.5
50°	3178.4	3228.2	3360.8	3525.2	3591.9	3275.2	2672.2	2477.0	2567.2	2615.8
52.5°	3020.6	3098.1	3303.6	3544.1	3727.8	3591.9	3033.4	2783.4	2899.1	2962.6
55°	2315.9	2417.3	3088.2	3441.2	3733.2	3832.0	3385.1	3102.6	3269.0	3340.7
57.5°	2017.7	2068.8	2428.0	3262.4	3633.9	3928.8	3703.1	3406.6	3671.4	3760.4
60°	1678.8	1745.9	2036.3	2970.0	3499.2	3938.3	3984.0	3798.7	4107.6	4207.6
62.5°	1140.9	1213.8	1502.5	2467.5	3315.1	3933.8	4214.2	4202.3	4592.3	4699.8
65°	706.8	752.5	942.8	2014.9	3057.7	3938.7	4455.2	4692.4	5103.9	5213.0
67.5°	558.5	579.5	678.8	1547.0	2614.1	3827.5	4695.7	5153.3	5585.3	5671.8
70°	375.2	388.0	493.8	1037.1	1944.8	3314.3	4691.2	5384.8	5833.3	5876.5
72.5°	197.7	207.6	288.7	480.2	1174.6	2355.9	3954.3	5108.0	5586.6	5521.5
75°	98.8	115.3	194.4	243.8	501.7	1313.9	2455.6	4027.2	4397.1	4145.0
77.5°	75.0	90.6	160.6	160.6	174.6	442.3	1040.0	2196.5	2026.0	1687.0
80°	47.8	61.8	140.4	121.5	72.9	112.4	271.0	615.3	430.4	327.4
82.5°	28.0	40.4	117.0	80.3	40.8	41.6	76.6	131.0	111.6	86.9
85°	11.1	26.4	80.3	31.7	16.1	10.3	23.1	28.0	23.1	17.3
87.5°	0.0	6.2	14.0	0.0	1.2	0.8	1.6	2.1	2.1	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°
1017.3	0°	1017.3	1017.3	1017.3	1017.3	1017.3	1017.3	1017.3	1017.3	1017.3	1017.3
1018.1	2.5°	1021.8	1022.7	1025.1	1025.6	1019.8	1012.4	1009.5	1008.3	1003.3	1002.9
1024.7	5°	1034.2	1037.9	1034.2	1023.5	998.0	962.1	934.9	912.7	892.5	886.3
1047.4	7.5°	1058.9	1062.6	1051.5	1009.5	945.2	874.0	809.7	764.4	723.7	708.4
1075.0	10°	1094.3	1099.3	1064.3	979.4	865.7	751.2	642.5	565.9	506.2	481.9
1112.5	12.5°	1138.8	1140.9	1071.3	933.7	762.4	598.9	444.8	362.9	309.7	290.0
1157.8	15°	1187.8	1184.9	1072.1	871.5	621.5	423.4	290.4	238.5	217.1	210.5
1203.1	17.5°	1239.3	1227.4	1055.6	781.7	467.1	289.5	215.4	203.1	199.3	197.7
1248.0	20°	1290.0	1263.2	1025.6	664.3	335.3	216.2	195.6	191.9	189.9	189.0
1293.3	22.5°	1336.1	1290.4	974.1	528.0	243.4	191.1	184.9	181.6	177.9	176.3
1337.3	25°	1381.0	1306.0	901.6	400.7	194.8	178.8	173.8	167.6	162.7	160.6
1384.7	27.5°	1424.7	1315.9	811.0	296.5	173.8	167.2	158.2	149.5	145.8	145.0
1435.4	30°	1471.2	1319.2	708.0	221.2	161.0	152.8	139.6	129.7	127.7	128.1
1503.7	32.5°	1528.0	1324.2	604.2	181.2	150.3	135.5	119.9	109.6	107.9	109.6
1603.4	35°	1596.0	1334.0	504.1	166.8	140.9	117.8	100.9	92.3	90.6	91.8
1731.1	37.5°	1688.2	1350.1	410.6	163.9	133.0	103.0	84.8	77.8	77.8	78.3
1887.6	40°	1811.0	1392.9	327.0	161.9	128.9	91.8	71.7	68.8	70.0	70.8
2086.9	42.5°	1960.5	1484.0	270.6	159.4	124.4	86.9	65.1	63.8	65.9	66.7
2325.8	45°	2128.1	1599.3	250.8	155.3	120.3	90.2	62.2	60.5	63.0	63.4
2593.5	47.5°	2301.5	1712.1	248.4	150.7	116.1	95.1	61.4	57.7	60.5	61.0
2879.4	50°	2477.0	1785.9	250.8	143.7	109.6	95.1	61.8	54.8	57.2	58.5
3175.9	52.5°	2653.7	1819.6	249.2	128.5	98.0	89.4	61.8	52.3	54.8	55.6
3496.3	55°	2825.0	1813.0	224.1	105.9	83.2	79.1	60.1	50.2	51.9	52.3
3799.1	57.5°	2960.5	1721.2	177.5	82.4	67.5	65.9	54.8	47.8	49.0	48.6
4076.7	60°	3031.3	1519.4	126.9	63.4	53.1	51.9	48.2	44.5	45.3	43.2
4311.8	62.5°	3032.2	1252.5	84.8	50.2	42.4	41.2	41.2	40.0	39.1	35.0
4493.9	65°	2967.5	956.4	56.4	40.0	34.2	32.1	34.6	34.2	31.3	25.5
4549.5	67.5°	2820.9	626.9	42.8	31.3	26.4	25.1	27.6	28.8	26.8	21.4
4346.9	70°	2519.4	364.9	35.4	24.3	19.8	18.5	22.2	24.7	22.2	17.3
3715.5	72.5°	2092.7	196.9	28.8	18.1	13.6	12.4	17.7	20.2	17.7	12.8
2383.9	75°	1357.9	105.4	22.2	11.9	7.0	7.8	13.2	14.8	12.4	8.2
699.8	77.5°	455.9	46.5	14.0	5.8	3.3	3.3	7.8	9.1	5.8	2.9
127.3	80°	101.7	19.4	5.8	2.5	1.2	1.2	1.6	1.6	0.8	0.0
39.1	82.5°	33.4	7.8	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
9.9	85°	12.8	2.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.3	87.5°	4.9	0.4	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>
1017.3
1003.7
882.6
702.2
471.6
283.8
210.5
197.3
188.2
175.9
159.8
144.2
128.1
109.1
91.4
77.8
70.8
66.7
63.8
61.4
58.9
55.6
52.3
48.6
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