

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: P948331

Luminaire Tested: **GALN-SB3B-930-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948331  
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-SB3B-930-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

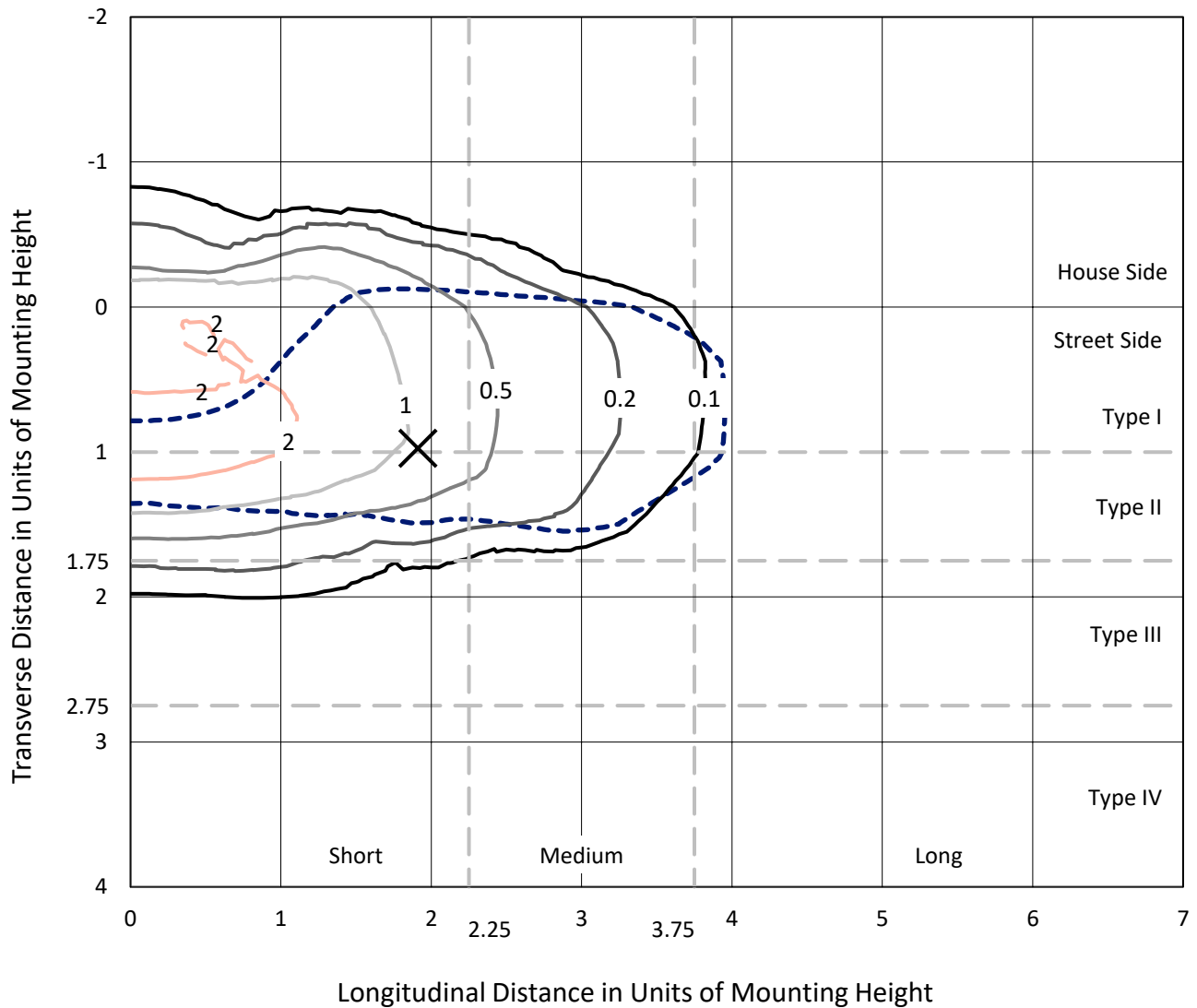
Lumens per Lamp: N/A  
Luminaire Lumens: 8982 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

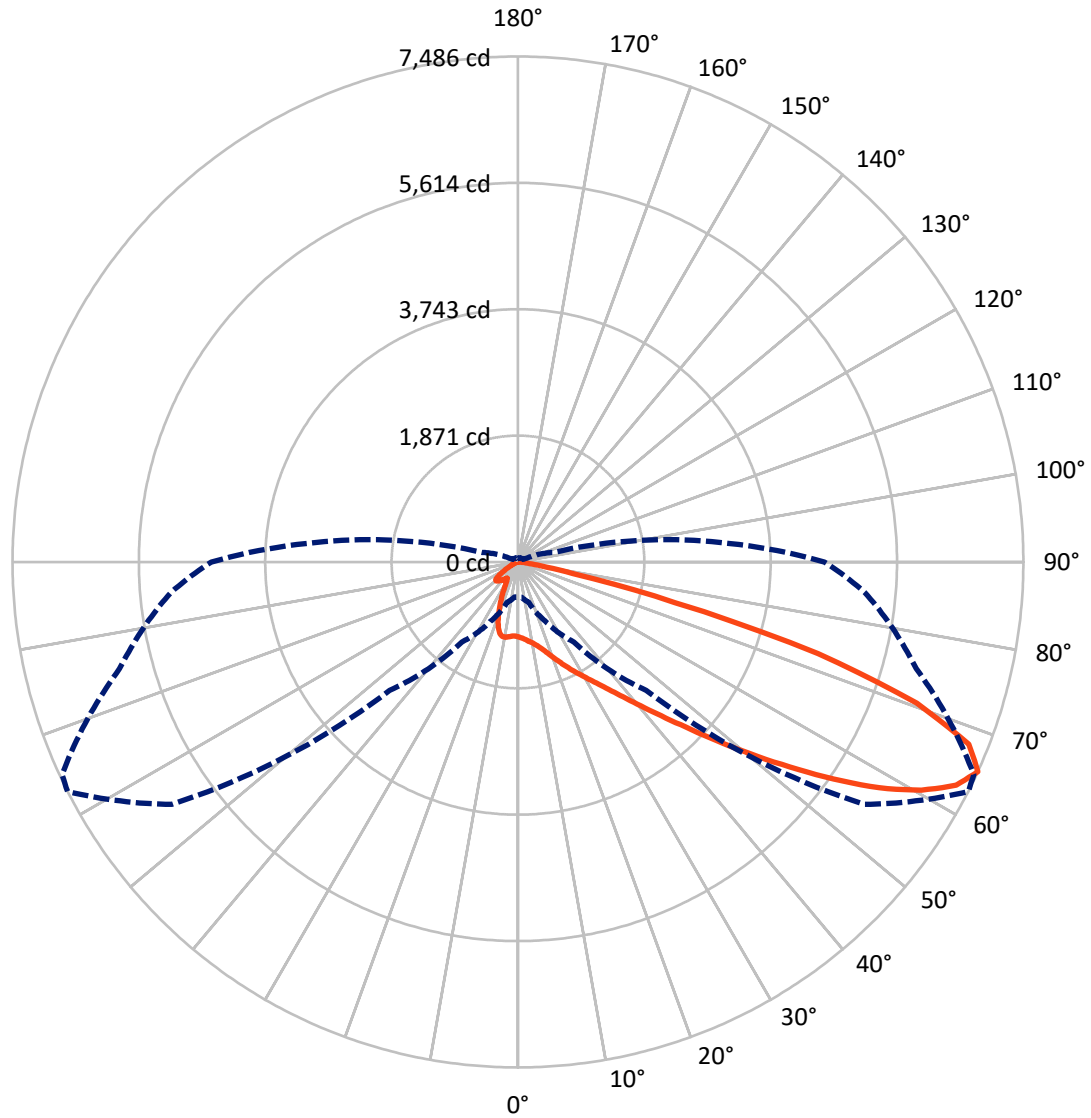
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type II - Short - N/A

REPORT NUMBER: P948331  
CATALOG NUMBER: GALN-SB3B-930-U-T2U-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P948331

CATALOG NUMBER: GALN-SB3B-930-U-T2U-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1320.3	0.0	1320.3
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	7661.7	0.0	7661.7
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	8982.0	0.0	8982.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.4	1.2
10°-20°	289.8	3.2
20°-30°	504.6	5.6
30°-40°	909.5	10.1
40°-50°	1803.9	20.1
50°-60°	2457.2	27.4
60°-70°	1961.3	21.8
70°-80°	887.5	9.9
80°-90°	63.8	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°	8982.0	100.0
0°-180°	8982.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P948331

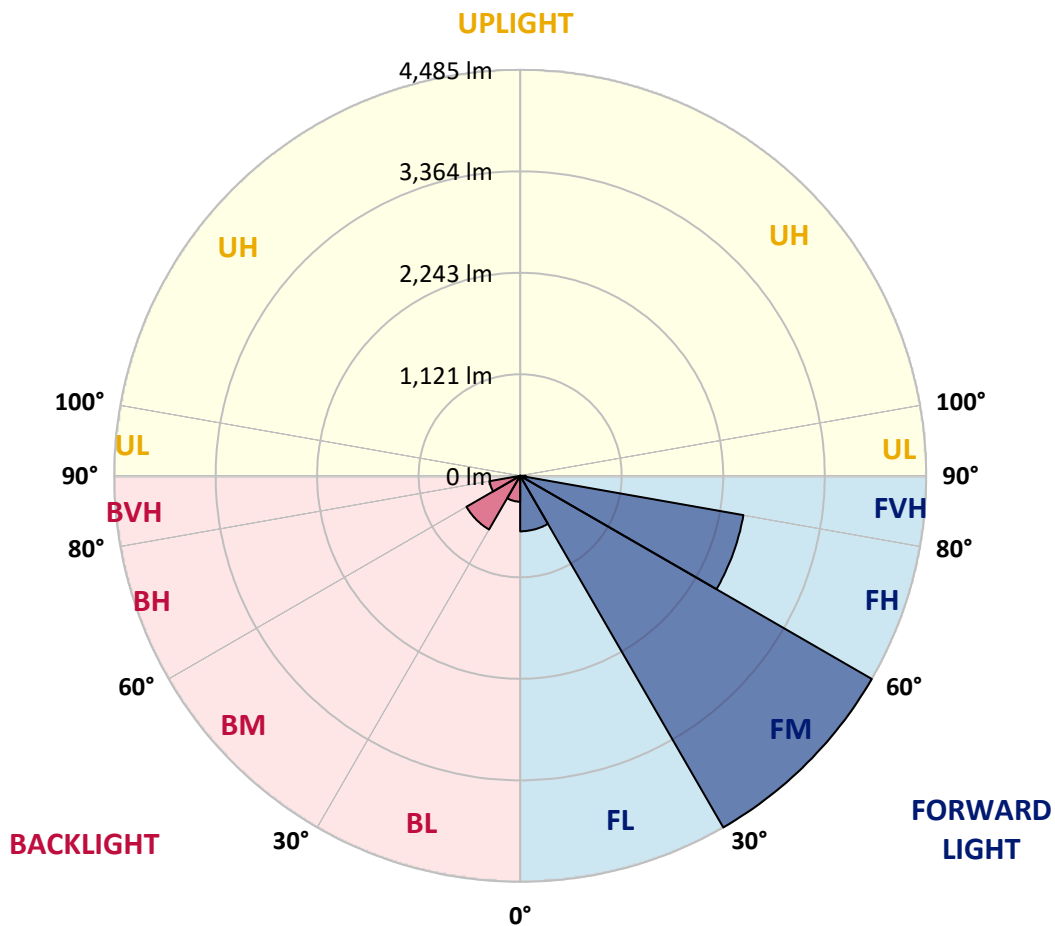
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	613.1	6.8			
FM (30°-60°)	4485.4	49.9			
FH (60°-80°)	2504.1	27.9			G2/5000
FVH (80°-90°)	59.1	0.7			G1/100
BL (0°-30°)	285.7	3.2	B1/500		
BM (30°-60°)	685.1	7.6	B1/1000		
BH (60°-80°)	344.7	3.8	B1/500		G1/500
BVH (80°-90°)	4.7	0.1			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 Short



REPORT NUMBER: P948331  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	1108.5	1108.5	1108.5	1108.5	1108.5	1108.5	1108.5	1108.5	1108.5	1108.5
2.5°	1134.5	1131.4	1135.7	1133.9	1132.6	1130.2	1128.9	1127.7	1125.2	1123.4
5°	1137.6	1135.7	1140.1	1143.8	1147.5	1151.2	1153.0	1155.5	1153.0	1148.1
7.5°	1111.6	1110.4	1119.7	1130.8	1147.5	1161.7	1177.1	1185.8	1186.4	1184.6
10°	1109.8	1106.7	1116.0	1129.6	1151.2	1176.5	1203.7	1222.2	1224.7	1232.8
12.5°	1138.8	1135.7	1148.7	1163.5	1185.8	1212.4	1245.7	1271.7	1275.4	1286.5
15°	1187.6	1183.3	1198.1	1217.3	1245.7	1276.0	1311.2	1334.7	1337.8	1351.4
17.5°	1244.5	1240.2	1257.5	1277.9	1308.8	1350.2	1390.9	1416.9	1420.6	1429.2
20°	1317.4	1311.8	1325.4	1344.0	1376.7	1426.2	1475.0	1512.1	1511.4	1511.4
22.5°	1402.1	1393.4	1405.2	1420.0	1450.9	1510.8	1575.7	1619.6	1619.6	1602.3
25°	1492.9	1484.2	1497.2	1510.8	1538.0	1606.0	1682.0	1736.4	1738.8	1709.2
27.5°	1606.6	1595.5	1605.4	1621.4	1637.5	1706.7	1796.9	1859.9	1861.2	1815.4
30°	1825.3	1793.8	1762.9	1745.6	1753.0	1821.6	1918.0	1987.8	1994.0	1931.0
32.5°	2225.7	2219.6	2110.8	1968.7	1894.5	1945.2	2053.3	2137.4	2141.1	2060.1
35°	2848.0	2840.6	2665.7	2395.1	2153.5	2110.8	2217.7	2317.2	2314.7	2223.3
37.5°	3590.7	3583.9	3353.5	2991.4	2600.2	2361.1	2429.7	2534.1	2549.5	2429.7
40°	4225.3	4200.0	4054.2	3705.0	3193.4	2776.3	2731.2	2800.4	2816.5	2674.4
42.5°	4706.1	4684.5	4610.3	4392.2	3911.4	3390.5	3086.5	3113.1	3131.0	2960.5
45°	4955.1	4950.2	4979.8	4959.4	4643.1	4144.4	3594.4	3483.8	3490.6	3277.4
47.5°	4990.3	4987.9	5123.2	5314.7	5272.1	4994.6	4246.3	3946.0	3921.9	3635.2
50°	4782.7	4777.8	5037.3	5396.3	5692.3	5709.0	4986.6	4466.9	4413.8	4005.4
52.5°	4119.7	4118.4	4544.8	5142.3	5840.0	6334.3	5718.2	5039.1	4950.2	4397.1
55°	3169.9	3192.8	3681.6	4387.9	5570.5	6635.2	6375.1	5674.4	5537.8	4791.4
57.5°	2245.5	2278.9	2762.1	3391.1	4735.1	6457.3	6819.4	6310.8	6163.8	5184.3
60°	1206.2	1235.8	1719.7	2470.4	3522.8	5793.6	7053.6	6863.2	6724.2	5557.6
62.5°	718.6	728.5	928.7	1594.9	2382.7	4426.2	6954.1	7284.0	7169.7	5870.9
65°	516.0	517.8	618.5	973.8	1446.6	2689.2	6256.4	7485.5	7450.3	6106.9
67.5°	434.4	433.2	475.2	647.0	985.6	1347.1	4795.1	7200.6	7350.2	6256.4
70°	372.6	374.5	423.9	473.9	740.9	762.5	2383.9	6269.4	6588.3	6296.0
72.5°	277.4	283.6	329.4	431.9	559.2	524.6	823.1	4648.6	5225.1	5932.0
75°	195.9	199.0	231.7	363.3	417.1	381.9	420.2	2403.1	3142.1	4547.9
77.5°	150.8	156.3	175.5	254.0	410.9	268.2	257.1	831.7	1277.9	2747.3
80°	81.6	91.5	126.7	183.5	288.6	189.7	127.3	331.2	433.2	1284.7
82.5°	42.0	47.0	88.4	132.2	164.4	165.6	63.0	137.8	178.6	396.7
85°	16.7	20.4	59.3	72.9	84.7	81.6	28.4	55.6	64.3	110.0
87.5°	3.7	6.2	21.6	16.7	16.1	17.3	6.8	13.0	12.4	13.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948331  
 CATALOG NUMBER: GALN-SB3B-930-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1108.5	0°	1108.5	1108.5	1108.5	1108.5	1108.5	1108.5	1108.5	1108.5	1108.5	1108.5
1116.0	2.5°	1115.3	1112.9	1106.1	1098.7	1090.0	1085.1	1082.0	1081.4	1077.0	1073.9
1140.7	5°	1133.9	1131.4	1118.4	1103.0	1086.3	1073.3	1061.0	1049.8	1033.8	1030.7
1176.5	7.5°	1171.0	1164.2	1143.2	1122.1	1090.6	1052.9	1007.2	954.7	907.7	893.5
1224.1	10°	1216.7	1207.4	1180.8	1143.8	1073.9	971.4	860.8	758.2	676.6	653.8
1280.3	12.5°	1268.6	1260.6	1225.3	1156.7	1004.1	818.1	648.8	521.5	442.4	422.7
1340.3	15°	1330.4	1318.6	1269.8	1137.0	879.3	621.6	445.5	370.1	341.7	338.0
1408.9	17.5°	1395.9	1376.7	1309.4	1065.9	711.2	441.8	344.2	322.6	310.2	306.5
1478.1	20°	1455.8	1431.1	1332.9	958.4	531.4	344.2	308.3	294.1	283.0	278.7
1547.3	22.5°	1515.8	1480.5	1332.9	811.9	398.6	305.3	283.0	270.0	257.1	251.5
1621.4	25°	1578.2	1531.2	1309.4	648.8	320.7	279.9	258.9	244.7	233.6	226.8
1691.9	27.5°	1638.7	1573.8	1255.6	494.3	285.5	257.7	236.7	223.1	212.6	207.6
1768.5	30°	1696.2	1615.9	1180.2	375.1	262.6	236.0	216.3	204.5	194.0	189.1
1868.0	32.5°	1774.0	1669.0	1099.9	307.7	242.8	215.7	197.7	186.6	177.3	173.6
1997.1	35°	1882.2	1747.5	1030.7	302.2	226.2	199.0	181.1	170.5	161.3	158.2
2164.0	37.5°	2035.4	1874.2	994.2	339.2	212.6	184.1	167.5	156.3	147.7	145.2
2375.9	40°	2224.5	2045.9	1014.0	376.3	203.3	171.2	155.1	144.0	136.6	133.5
2619.4	42.5°	2448.8	2257.9	1123.4	404.7	197.1	160.0	143.4	131.0	126.1	124.8
2895.6	45°	2706.5	2490.8	1290.8	435.0	187.2	149.5	131.6	122.3	118.6	118.0
3195.9	47.5°	2999.4	2746.7	1484.9	472.7	177.3	139.6	122.3	116.2	113.1	111.8
3509.2	50°	3289.8	3004.3	1684.4	493.7	169.3	130.4	114.9	110.0	107.5	106.9
3840.4	52.5°	3593.8	3269.4	1845.7	473.9	162.5	123.0	108.8	105.0	102.6	102.0
4145.6	55°	3883.6	3483.8	1873.5	402.3	148.9	115.6	102.0	100.1	97.0	97.0
4455.2	57.5°	4133.3	3591.4	1677.0	295.4	135.3	104.4	95.2	93.3	90.8	90.2
4734.5	60°	4362.5	3560.5	1294.5	199.0	120.5	93.3	86.5	85.3	82.8	79.7
4977.3	62.5°	4491.7	3424.5	885.5	129.8	105.7	81.6	76.6	76.0	70.4	64.3
5157.2	65°	4540.5	3145.2	552.4	94.5	88.4	69.8	66.1	64.9	56.8	50.1
5259.1	67.5°	4497.8	2685.5	278.7	74.8	69.8	58.1	54.4	54.4	48.8	42.6
5252.9	70°	4327.3	2013.2	117.4	59.9	53.8	44.5	44.5	47.0	41.4	34.6
4980.4	72.5°	3957.2	1354.5	62.4	45.7	40.2	31.5	36.5	38.3	32.7	26.0
4076.4	75°	3145.8	826.2	43.3	34.0	25.3	22.2	27.8	29.0	22.2	17.3
2794.9	77.5°	2151.6	474.6	29.0	21.6	16.1	13.0	19.2	17.9	11.7	8.0
1077.7	80°	944.8	197.7	16.7	9.9	6.2	4.9	6.8	4.9	3.7	2.5
147.7	82.5°	110.6	46.3	6.2	3.7	2.5	1.2	0.6	0.0	0.0	0.0
45.1	85°	22.9	5.6	3.1	1.2	0.6	0.0	0.0	0.0	0.0	0.0
8.0	87.5°	4.3	1.2	0.6	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>
1108.5
1077.0
1029.5
886.7
645.1
417.1
334.3
304.6
276.2
248.4
224.3
207.6
189.7
173.6
158.2
144.6
132.9
124.8
117.4
111.8
106.9
102.0
96.4
89.6
79.1
63.0
49.4
42.0
34.0
26.0
16.7
8.7
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