

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: P948310

Luminaire Tested: **GALN-SB3B-927-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948310
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-927-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 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: 7859 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

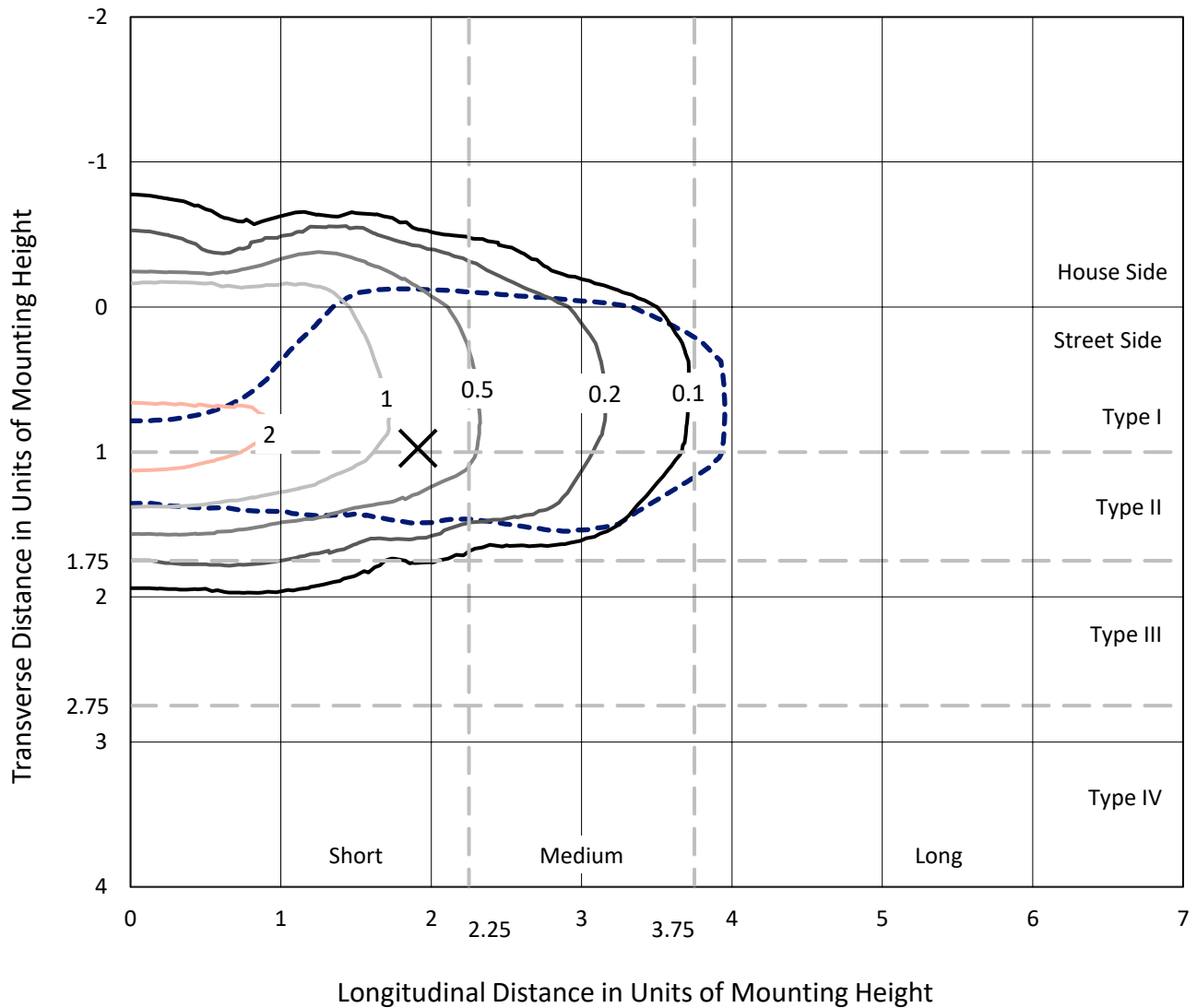
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

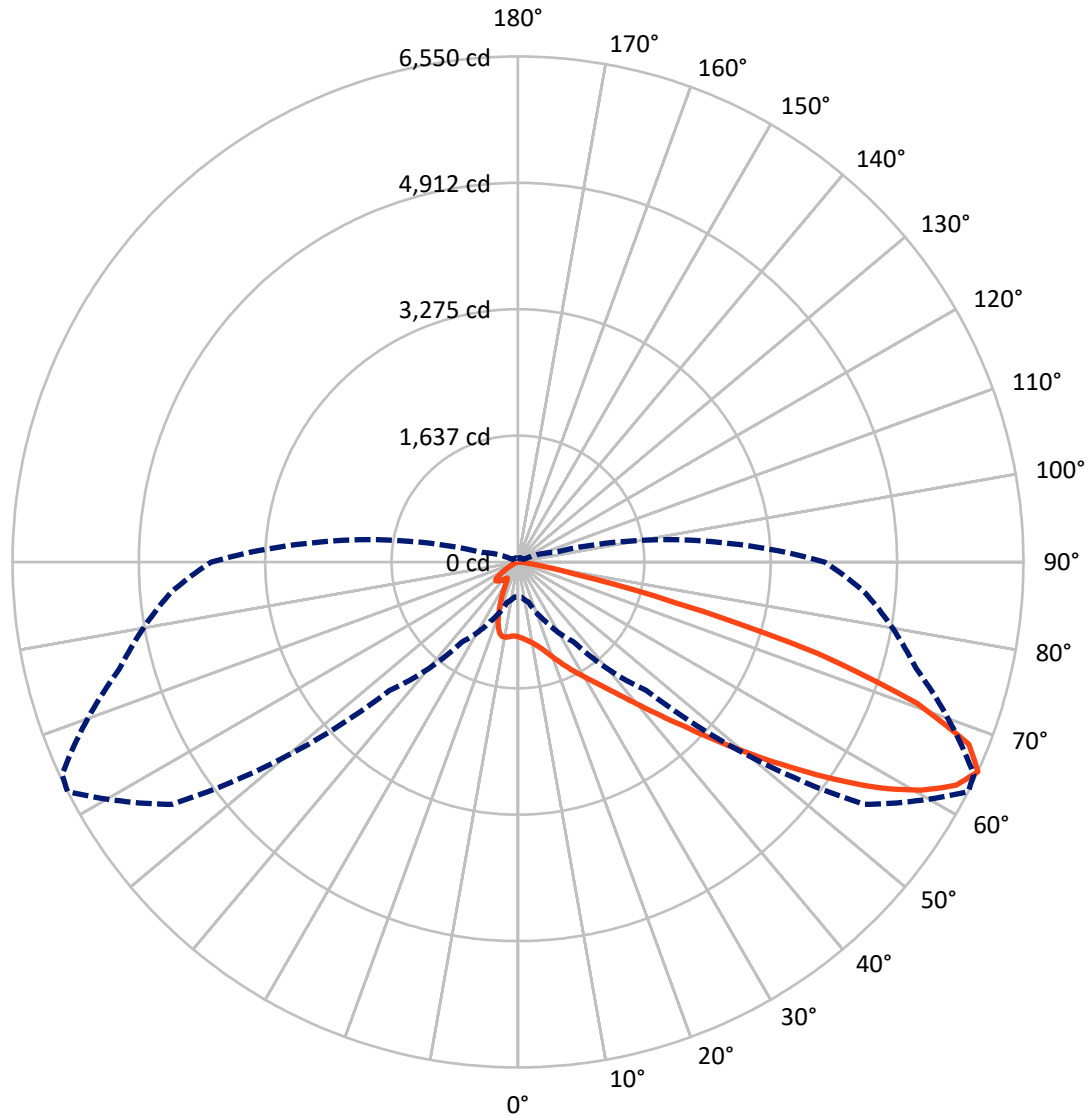
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1155.2	0.0	1155.2
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	6703.8	0.0	6703.8
	% Fixture	85.3	0.0	85.3
Total	Lumens	7859.0	0.0	7859.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	1.2
10°-20°	253.6	3.2
20°-30°	441.5	5.6
30°-40°	795.8	10.1
40°-50°	1578.3	20.1
50°-60°	2149.9	27.4
60°-70°	1716.1	21.8
70°-80°	776.6	9.9
80°-90°	55.8	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°	7859.0	100.0
0°-180°	7859.0	100.0

Coefficient of Utilization



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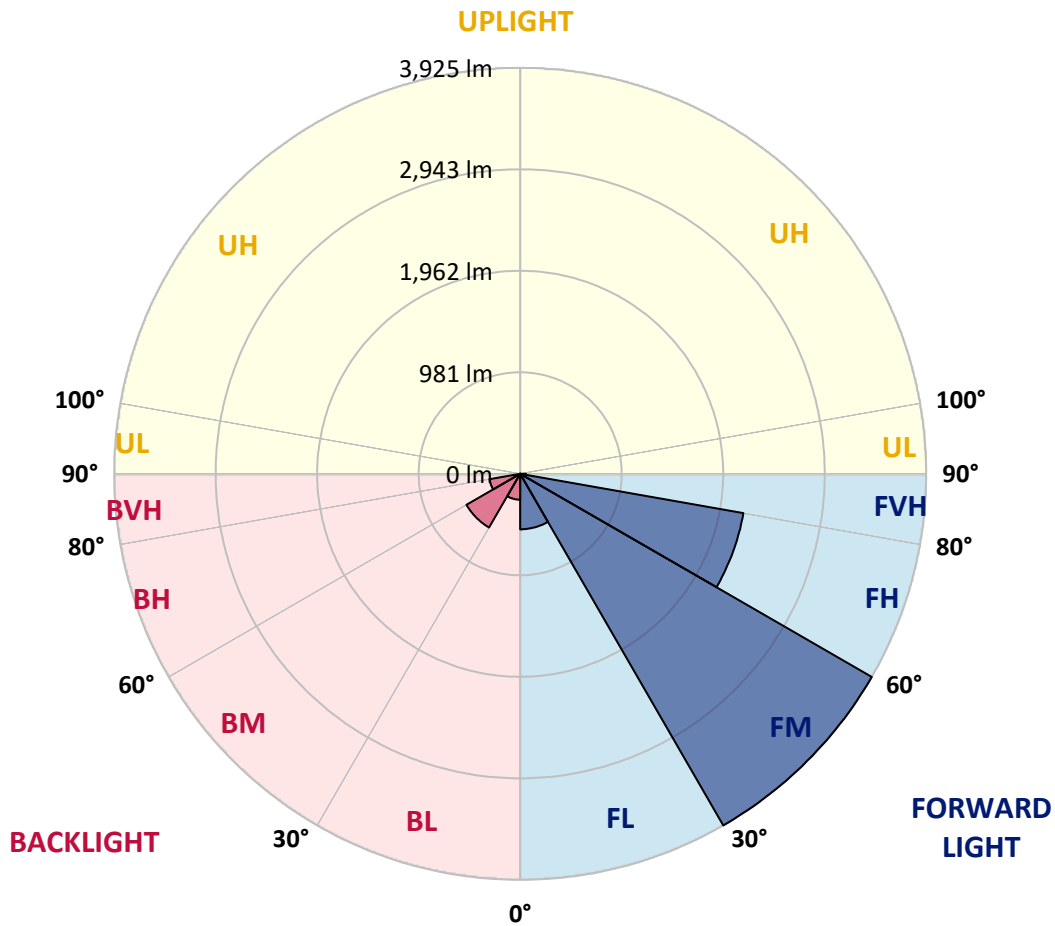
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.5	6.8			
FM (30°-60°)	3924.6	49.9			
FH (60°-80°)	2191.1	27.9			G2/5000
FVH (80°-90°)	51.7	0.7			G1/100
BL (0°-30°)	250.0	3.2	B1/500		
BM (30°-60°)	599.5	7.6	B1/1000		
BH (60°-80°)	301.6	3.8	B1/500		G1/500
BVH (80°-90°)	4.1	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9
2.5°	992.7	990.0	993.7	992.1	991.0	988.9	987.8	986.7	984.5	982.9
5°	995.4	993.7	997.5	1000.8	1004.0	1007.3	1008.9	1011.0	1008.9	1004.6
7.5°	972.7	971.6	979.7	989.4	1004.0	1016.4	1030.0	1037.5	1038.1	1036.5
10°	971.0	968.3	976.4	988.3	1007.3	1029.4	1053.2	1069.4	1071.6	1078.6
12.5°	996.4	993.7	1005.1	1018.1	1037.5	1060.8	1090.0	1112.7	1115.9	1125.7
15°	1039.2	1035.4	1048.3	1065.1	1090.0	1116.5	1147.3	1167.8	1170.5	1182.4
17.5°	1088.9	1085.1	1100.2	1118.1	1145.1	1181.3	1217.0	1239.7	1243.0	1250.6
20°	1152.7	1147.8	1159.7	1175.9	1204.6	1247.8	1290.6	1323.0	1322.5	1322.5
22.5°	1226.8	1219.2	1229.5	1242.4	1269.5	1321.9	1378.7	1417.1	1417.1	1401.9
25°	1306.2	1298.7	1310.0	1321.9	1345.7	1405.2	1471.7	1519.3	1521.4	1495.5
27.5°	1405.7	1396.0	1404.6	1418.7	1432.8	1493.3	1572.2	1627.4	1628.5	1588.5
30°	1597.1	1569.5	1542.5	1527.4	1533.9	1593.9	1678.2	1739.3	1744.7	1689.6
32.5°	1947.5	1942.1	1846.9	1722.6	1657.7	1702.0	1796.6	1870.2	1873.4	1802.6
35°	2491.9	2485.4	2332.4	2095.6	1884.2	1846.9	1940.4	2027.5	2025.3	1945.3
37.5°	3141.8	3135.8	2934.2	2617.3	2275.1	2065.9	2125.9	2217.3	2230.8	2125.9
40°	3697.1	3674.9	3547.3	3241.8	2794.1	2429.2	2389.7	2450.3	2464.3	2340.0
42.5°	4117.7	4098.8	4033.9	3843.0	3422.4	2966.6	2700.6	2723.9	2739.5	2590.3
45°	4335.6	4331.2	4357.2	4339.4	4062.5	3626.2	3145.0	3048.3	3054.2	2867.7
47.5°	4366.4	4364.2	4482.6	4650.2	4612.9	4370.2	3715.4	3452.7	3431.6	3180.7
50°	4184.7	4180.4	4407.5	4721.6	4980.6	4995.2	4363.1	3908.5	3862.0	3504.6
52.5°	3604.6	3603.5	3976.6	4499.4	5109.8	5542.3	5003.3	4409.1	4331.2	3847.4
55°	2773.6	2793.6	3221.3	3839.2	4874.1	5805.6	5578.0	4964.9	4845.4	4192.3
57.5°	1964.8	1994.0	2416.8	2967.2	4143.1	5649.9	5966.8	5521.8	5393.1	4536.2
60°	1055.4	1081.3	1504.7	2161.6	3082.3	5069.3	6171.7	6005.1	5883.5	4862.7
62.5°	628.8	637.4	812.6	1395.5	2084.8	3872.8	6084.6	6373.3	6273.3	5136.8
65°	451.5	453.1	541.2	852.1	1265.7	2353.0	5474.2	6549.6	6518.8	5343.4
67.5°	380.1	379.0	415.8	566.1	862.4	1178.6	4195.5	6300.3	6431.2	5474.2
70°	326.0	327.6	370.9	414.7	648.3	667.2	2085.9	5485.6	5764.5	5508.8
72.5°	242.8	248.2	288.2	377.9	489.3	459.0	720.2	4067.4	4571.8	5190.4
75°	171.4	174.1	202.7	317.9	364.9	334.1	367.7	2102.6	2749.3	3979.3
77.5°	131.9	136.8	153.5	222.2	359.5	234.6	224.9	727.7	1118.1	2403.8
80°	71.4	80.0	110.8	160.6	252.5	166.0	111.4	289.8	379.0	1124.0
82.5°	36.8	41.1	77.3	115.7	143.8	144.9	55.1	120.6	156.3	347.1
85°	14.6	17.8	51.9	63.8	74.1	71.4	24.9	48.7	56.2	96.2
87.5°	3.2	5.4	18.9	14.6	14.1	15.1	5.9	11.4	10.8	11.4
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°
969.9	0°	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9
976.4	2.5°	975.9	973.7	967.8	961.3	953.7	949.4	946.7	946.2	942.4	939.7
998.1	5°	992.1	990.0	978.6	965.1	950.5	939.1	928.3	918.6	904.5	901.8
1029.4	7.5°	1024.6	1018.6	1000.2	981.8	954.3	921.3	881.3	835.3	794.2	781.8
1071.1	10°	1064.6	1056.5	1033.2	1000.8	939.7	849.9	753.1	663.4	592.0	572.0
1120.3	12.5°	1110.0	1103.0	1072.1	1012.1	878.6	715.8	567.7	456.3	387.1	369.8
1172.7	15°	1164.0	1153.8	1111.1	994.8	769.4	543.9	389.8	323.9	299.0	295.7
1232.7	17.5°	1221.4	1204.6	1145.7	932.6	622.3	386.6	301.1	282.2	271.4	268.2
1293.3	20°	1273.8	1252.2	1166.2	838.6	465.0	301.1	269.8	257.4	247.6	243.8
1353.8	22.5°	1326.2	1295.4	1166.2	710.4	348.7	267.1	247.6	236.3	224.9	220.0
1418.7	25°	1380.9	1339.8	1145.7	567.7	280.6	244.9	226.5	214.1	204.4	198.4
1480.3	27.5°	1433.8	1377.1	1098.6	432.5	249.8	225.5	207.1	195.2	186.0	181.7
1547.4	30°	1484.1	1413.8	1032.7	328.2	229.8	206.5	189.2	179.0	169.8	165.4
1634.4	32.5°	1552.2	1460.3	962.4	269.3	212.5	188.7	173.0	163.3	155.2	151.9
1747.4	35°	1646.9	1529.0	901.8	264.4	197.9	174.1	158.4	149.2	141.1	138.4
1893.4	37.5°	1780.9	1639.8	869.9	296.8	186.0	161.1	146.5	136.8	129.2	127.1
2078.8	40°	1946.4	1790.1	887.2	329.3	177.9	149.8	135.7	126.0	119.5	116.8
2291.9	42.5°	2142.6	1975.6	982.9	354.1	172.5	140.0	125.4	114.6	110.3	109.2
2533.5	45°	2368.1	2179.4	1129.4	380.6	163.8	130.8	115.2	107.1	103.8	103.3
2796.3	47.5°	2624.4	2403.2	1299.2	413.6	155.2	122.2	107.1	101.6	98.9	97.9
3070.4	50°	2878.5	2628.7	1473.8	432.0	148.1	114.1	100.6	96.2	94.1	93.5
3360.2	52.5°	3144.5	2860.6	1615.0	414.7	142.2	107.6	95.2	91.9	89.8	89.2
3627.3	55°	3398.1	3048.3	1639.3	352.0	130.3	101.1	89.2	87.6	84.9	84.9
3898.2	57.5°	3616.5	3142.3	1467.4	258.4	118.4	91.4	83.3	81.6	79.5	78.9
4142.6	60°	3817.1	3115.3	1132.7	174.1	105.4	81.6	75.7	74.6	72.4	69.7
4355.0	62.5°	3930.1	2996.4	774.8	113.5	92.5	71.4	67.0	66.5	61.6	56.2
4512.4	65°	3972.8	2752.0	483.4	82.7	77.3	61.1	57.9	56.8	49.7	43.8
4601.6	67.5°	3935.5	2349.7	243.8	65.4	61.1	50.8	47.6	47.6	42.7	37.3
4596.2	70°	3786.3	1761.5	102.7	52.4	47.0	38.9	38.9	41.1	36.2	30.3
4357.7	72.5°	3462.4	1185.1	54.6	40.0	35.1	27.6	31.9	33.5	28.7	22.7
3566.8	75°	2752.5	722.9	37.8	29.7	22.2	19.5	24.3	25.4	19.5	15.1
2445.4	77.5°	1882.6	415.2	25.4	18.9	14.1	11.4	16.8	15.7	10.3	7.0
942.9	80°	826.7	173.0	14.6	8.7	5.4	4.3	5.9	4.3	3.2	2.2
129.2	82.5°	96.8	40.5	5.4	3.2	2.2	1.1	0.5	0.0	0.0	0.0
39.5	85°	20.0	4.9	2.7	1.1	0.5	0.0	0.0	0.0	0.0	0.0
7.0	87.5°	3.8	1.1	0.5	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>
969.9
942.4
900.7
775.9
564.5
364.9
292.5
266.5
241.7
217.3
196.3
181.7
166.0
151.9
138.4
126.5
116.2
109.2
102.7
97.9
93.5
89.2
84.3
78.4
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