

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: P948671

Luminaire Tested: **GALN-SB3C-927-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948671
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-927-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10536 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

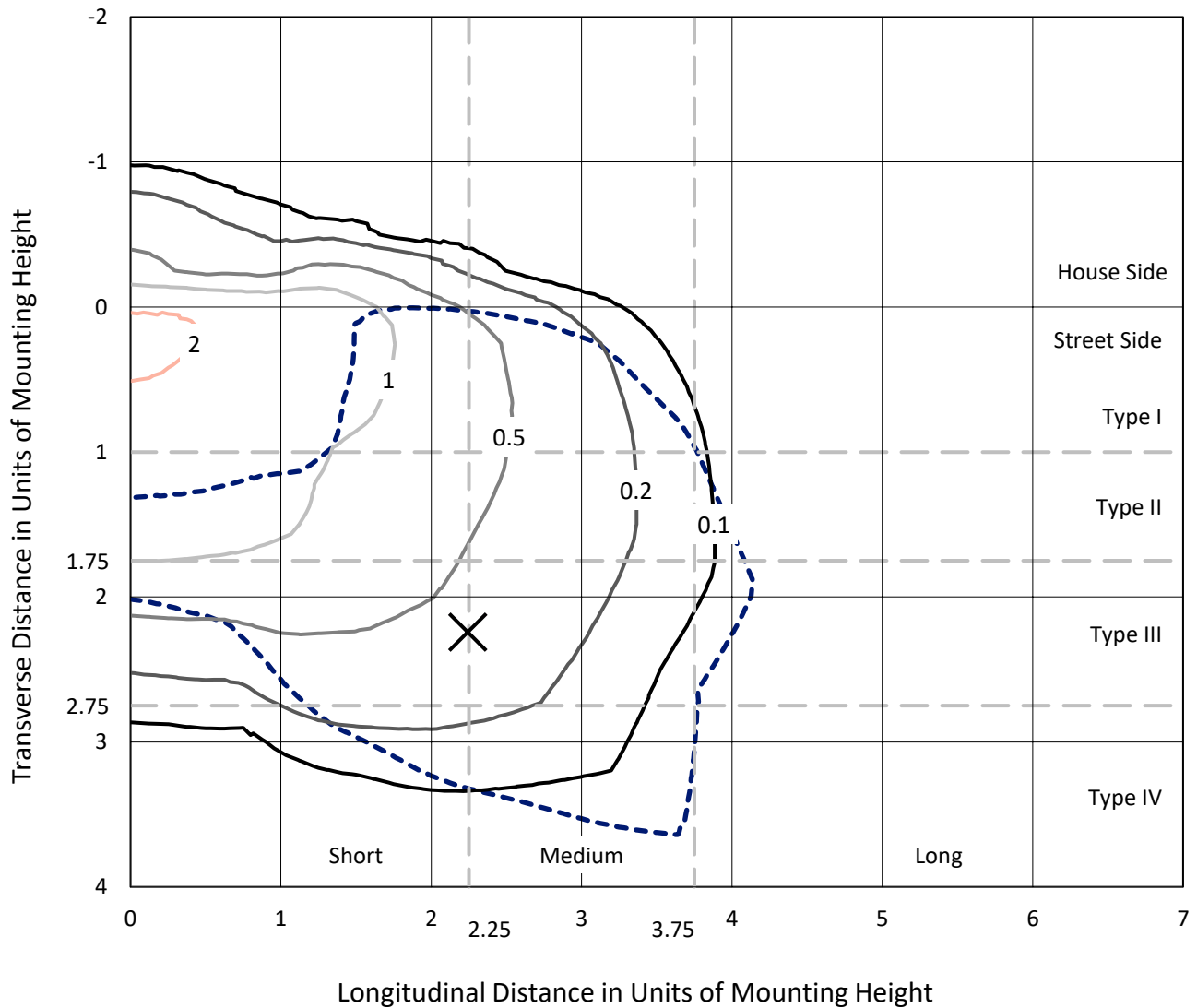
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

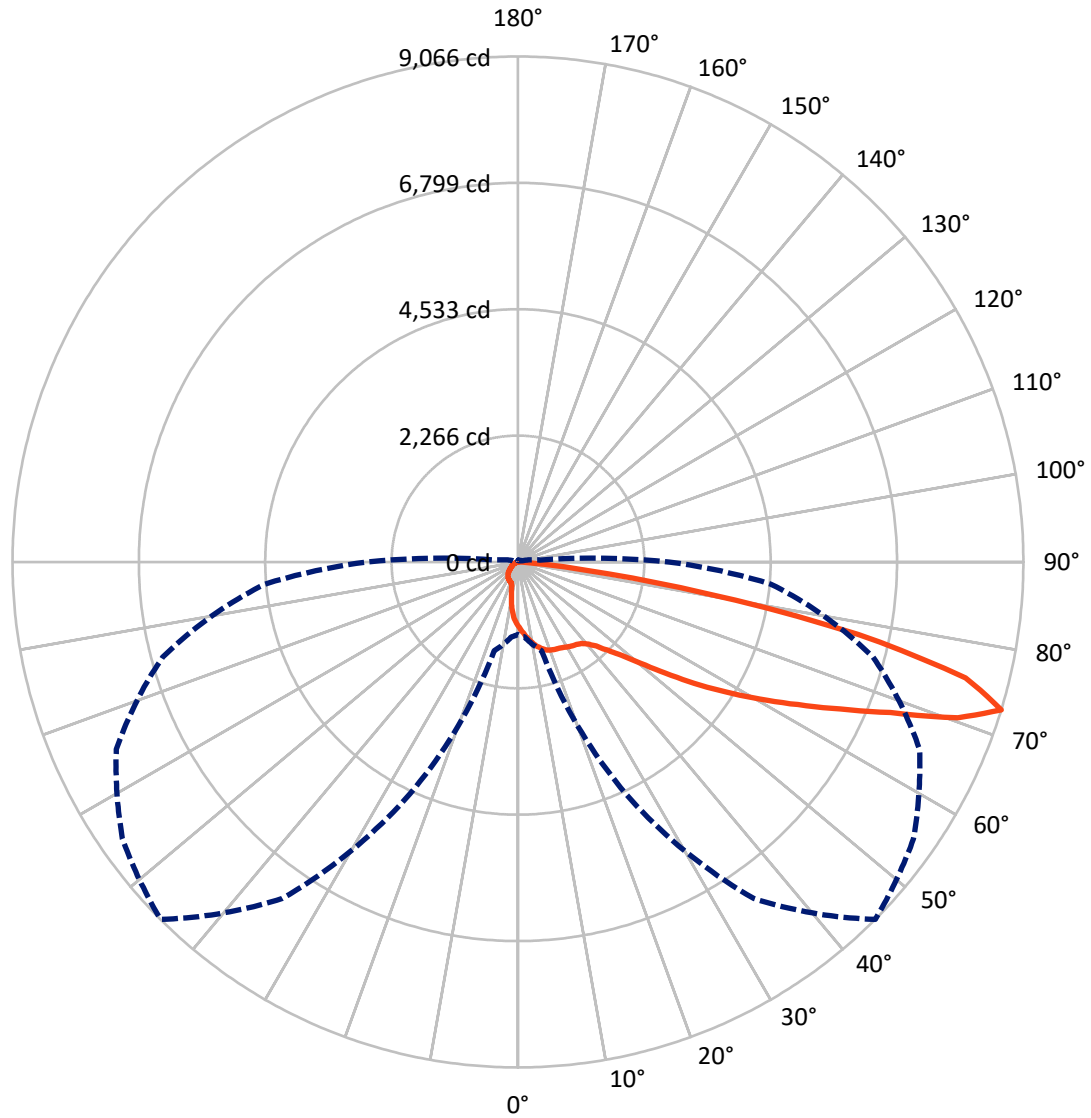
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1107.0	0.0	1107.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	9429.0	0.0	9429.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	10536.0	0.0	10536.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	1.0
10°-20°	317.8	3.0
20°-30°	521.9	5.0
30°-40°	740.2	7.0
40°-50°	1223.5	11.6
50°-60°	2197.9	20.9
60°-70°	3051.9	29.0
70°-80°	2213.8	21.0
80°-90°	160.1	1.5
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°	10536.0	100.0
0°-180°	10536.0	100.0

Coefficient of Utilization



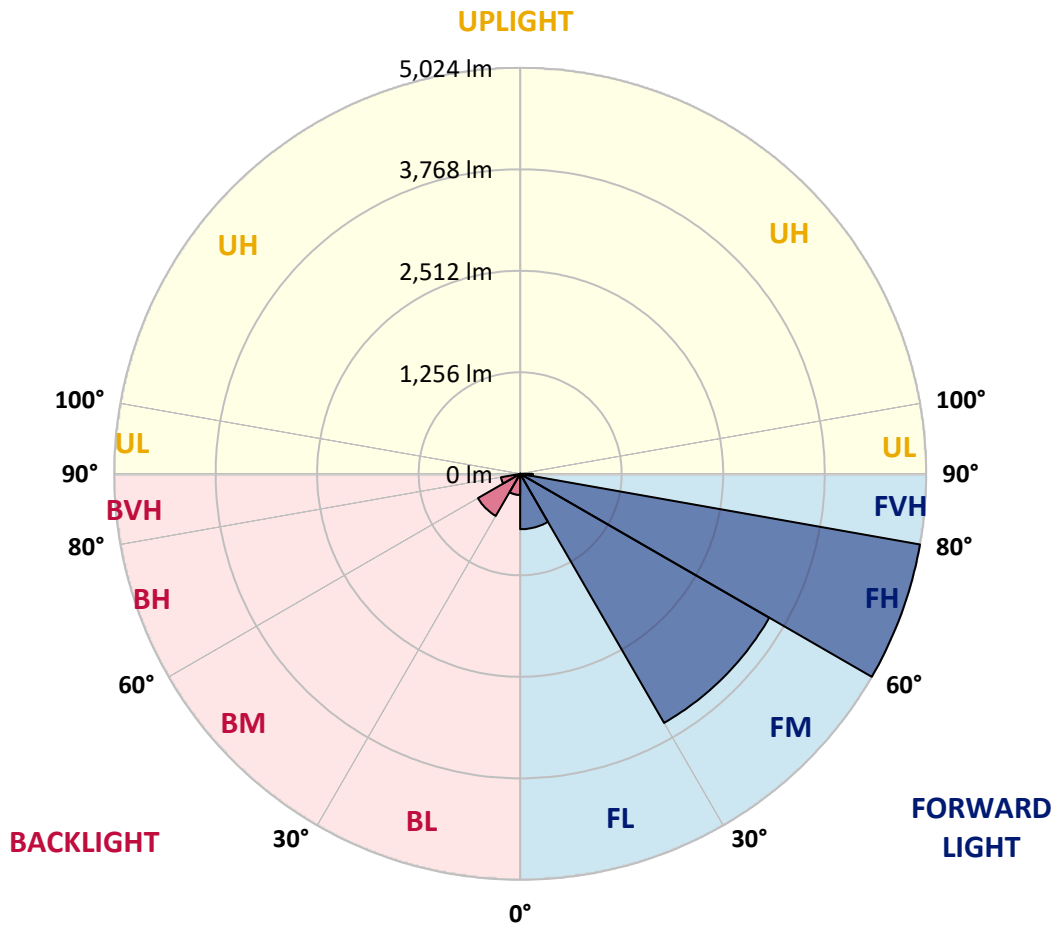
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	686.3	6.5			
FM (30°-60°)	3559.6	33.8			
FH (60°-80°)	5024.3	47.7			G3/7500
FVH (80°-90°)	158.7	1.5			G2/225
BL (0°-30°)	262.2	2.5	B1/500		
BM (30°-60°)	602.1	5.7	B1/1000		
BH (60°-80°)	241.4	2.3	B1/500		G1/500
BVH (80°-90°)	1.3	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2
2.5°	1260.7	1262.8	1261.4	1252.8	1238.4	1230.5	1226.2	1211.8	1202.4	1185.9
5°	1376.5	1385.1	1380.1	1362.8	1335.5	1316.1	1310.3	1280.8	1254.2	1223.3
7.5°	1499.4	1503.7	1494.4	1472.1	1435.4	1402.3	1397.3	1356.3	1313.9	1266.4
10°	1605.9	1610.9	1596.5	1564.2	1522.4	1481.5	1474.3	1429.0	1378.6	1320.4
12.5°	1695.0	1700.1	1681.4	1642.5	1596.5	1554.1	1546.9	1499.4	1444.1	1379.3
15°	1762.6	1772.0	1746.8	1705.1	1655.5	1613.1	1609.5	1562.7	1508.8	1436.9
17.5°	1802.2	1811.5	1787.8	1737.5	1695.0	1659.1	1654.8	1615.9	1565.6	1496.6
20°	1808.7	1817.3	1792.1	1748.3	1713.0	1684.3	1682.1	1654.1	1617.4	1551.2
22.5°	1789.3	1800.0	1777.0	1741.8	1717.3	1702.2	1699.4	1683.5	1662.7	1606.6
25°	1769.1	1777.7	1760.5	1729.6	1716.6	1715.2	1717.3	1714.5	1710.1	1662.7
27.5°	1767.7	1777.0	1757.6	1728.1	1720.9	1736.0	1738.2	1751.9	1755.5	1713.7
30°	1779.9	1786.4	1767.7	1736.8	1733.2	1767.7	1768.4	1792.8	1798.6	1756.9
32.5°	1806.5	1813.7	1795.0	1749.7	1744.7	1792.8	1795.0	1827.4	1836.7	1802.9
35°	1869.1	1877.7	1856.1	1785.7	1767.7	1816.6	1823.1	1861.2	1879.9	1851.8
37.5°	2025.1	2000.0	1970.5	1858.3	1820.2	1854.0	1864.8	1909.4	1942.4	1910.1
40°	2412.8	2333.7	2241.6	1982.0	1912.2	1933.8	1942.4	1987.0	2032.3	2000.7
42.5°	2994.6	2901.1	2752.9	2266.8	2051.0	2061.8	2068.3	2107.1	2171.1	2146.0
45°	3513.1	3479.3	3328.2	2752.9	2310.6	2257.4	2265.3	2285.5	2379.7	2370.3
47.5°	3911.5	3892.1	3775.6	3311.0	2749.3	2496.9	2519.2	2528.5	2664.5	2697.5
50°	4217.8	4210.6	4106.4	3807.2	3322.5	2850.0	2857.9	2837.8	3041.3	3123.3
52.5°	4506.9	4531.4	4454.4	4268.2	3934.5	3312.4	3311.0	3216.1	3490.8	3614.5
55°	4768.0	4776.6	4784.5	4738.5	4550.1	3838.8	3825.2	3669.8	4012.2	4140.2
57.5°	5013.2	5016.8	5087.3	5181.5	5190.8	4404.1	4378.9	4192.7	4581.7	4673.1
60°	5177.9	5194.4	5343.3	5605.1	5719.4	4987.3	4973.7	4783.8	5161.4	5203.8
62.5°	4940.6	5041.3	5416.7	5935.9	6218.5	5633.8	5627.4	5449.0	5771.2	5736.7
65°	3999.2	4169.7	4829.8	6159.5	6708.3	6355.9	6365.2	6175.4	6397.6	6285.4
67.5°	2797.5	2977.3	3758.3	6177.5	7255.5	7203.8	7257.7	6960.0	7062.8	6811.1
70°	1934.5	2027.3	2535.7	5790.6	7682.0	8371.7	8370.2	7923.6	7724.4	7050.6
72.5°	1300.9	1349.1	1646.9	4594.0	7368.4	9065.6	9023.9	8660.0	7947.4	6593.9
75°	548.7	584.0	762.3	2581.8	5829.5	8294.0	8181.1	7653.2	7061.4	5192.3
77.5°	174.0	189.1	300.6	924.1	3211.0	6234.3	6115.0	4779.5	4732.7	2604.8
80°	82.7	96.4	169.0	371.1	1263.6	3390.8	3374.3	2168.2	2035.9	703.3
82.5°	36.0	42.4	93.5	198.5	565.3	1209.6	1234.1	737.9	610.6	266.8
85°	11.5	15.1	43.1	91.3	238.8	300.6	297.0	175.5	246.0	145.3
87.5°	0.0	0.0	14.4	20.9	24.5	17.3	19.4	15.1	68.3	40.3
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°
1154.2	0°	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2
1168.6	2.5°	1160.0	1148.5	1128.4	1109.7	1093.1	1076.6	1066.5	1052.1	1050.7	1050.7
1187.3	5°	1167.9	1149.2	1113.2	1075.1	1031.3	989.6	947.8	907.6	894.6	885.3
1217.5	7.5°	1190.9	1161.4	1104.6	1032.0	948.6	857.2	793.2	724.2	697.6	683.2
1257.8	10°	1224.0	1183.7	1097.4	970.1	834.9	710.5	619.2	544.4	515.6	503.4
1301.7	12.5°	1260.7	1211.1	1084.5	893.2	710.5	561.7	472.5	438.0	433.6	433.6
1354.2	15°	1304.5	1244.1	1062.2	802.6	580.4	444.4	412.8	414.2	418.5	421.4
1405.2	17.5°	1349.9	1279.4	1027.0	701.2	465.3	399.8	400.6	402.7	406.3	409.2
1460.6	20°	1398.8	1314.6	980.2	593.3	399.1	386.9	389.1	391.2	394.1	395.5
1512.4	22.5°	1451.3	1347.7	924.8	487.6	376.8	376.1	376.8	379.0	382.6	382.6
1572.8	25°	1507.3	1384.4	861.5	410.6	365.3	365.3	366.8	368.2	371.1	371.1
1631.0	27.5°	1564.9	1418.2	794.7	370.4	355.3	354.5	354.5	356.7	358.1	358.9
1688.6	30°	1628.2	1457.7	727.8	361.7	347.4	343.8	341.6	343.0	344.5	345.2
1749.0	32.5°	1692.9	1495.8	668.1	365.3	339.4	333.0	325.8	324.3	324.3	327.2
1811.5	35°	1764.8	1537.5	622.1	377.6	335.1	317.1	305.6	299.2	299.9	304.2
1886.3	37.5°	1851.1	1587.9	588.3	388.3	332.2	299.2	280.5	272.6	267.5	272.6
1989.2	40°	1964.0	1662.0	563.8	397.0	328.7	278.3	253.1	240.2	230.8	233.7
2148.8	42.5°	2130.1	1778.5	554.5	397.7	320.7	253.9	225.1	207.8	194.2	194.9
2389.0	45°	2363.1	1962.6	602.7	388.3	303.5	227.3	195.6	172.6	164.0	161.8
2747.9	47.5°	2682.4	2230.8	714.1	368.9	278.3	201.4	166.8	147.4	141.0	137.4
3218.9	50°	3110.3	2575.3	837.8	347.4	253.1	176.9	143.1	130.9	126.6	123.0
3777.7	52.5°	3606.6	2924.8	939.2	325.8	228.0	155.3	128.0	120.8	117.2	114.3
4317.1	55°	4061.8	3165.7	933.5	302.8	203.5	138.1	117.2	112.9	108.6	105.7
4781.7	57.5°	4345.1	3199.5	769.5	277.6	175.5	124.4	107.2	104.3	99.2	95.6
5183.7	60°	4475.3	3006.8	539.4	244.5	147.4	111.5	96.4	94.9	88.5	83.4
5564.1	62.5°	4499.0	2648.6	359.6	203.5	123.0	99.2	85.6	83.4	74.8	66.2
5873.3	65°	4402.7	2136.6	248.8	158.9	105.0	86.3	73.4	69.0	59.7	51.1
5946.7	67.5°	4097.7	1500.2	173.3	114.3	89.2	68.3	58.3	56.8	49.6	42.4
5572.7	70°	3539.0	855.1	115.8	85.6	70.5	46.7	46.0	47.5	40.3	34.5
4553.0	72.5°	2713.4	391.2	71.9	62.6	48.2	31.6	36.7	37.4	30.9	25.9
2840.7	75°	1597.2	167.6	45.3	40.3	24.5	20.9	26.6	27.3	20.9	16.5
1038.5	77.5°	543.7	63.3	28.8	23.7	12.2	11.5	17.3	17.3	11.5	6.5
208.6	80°	123.7	23.7	14.4	9.3	5.8	5.0	5.8	5.0	2.9	0.7
64.0	82.5°	35.2	9.3	5.8	3.6	2.2	2.2	0.7	0.0	0.0	0.0
22.3	85°	10.1	4.3	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
7.9	87.5°	4.3	0.7	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>
1154.2
1054.3
889.6
685.4
503.4
433.6
421.4
409.2
396.3
384.0
371.8
359.6
346.6
329.4
306.4
271.1
232.3
192.0
158.9
135.2
122.3
113.6
104.3
94.9
82.0
61.8
48.2
40.3
31.6
23.0
14.4
5.0
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