

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: P942236

Luminaire Tested: **GALN-SB6A-927-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12986 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

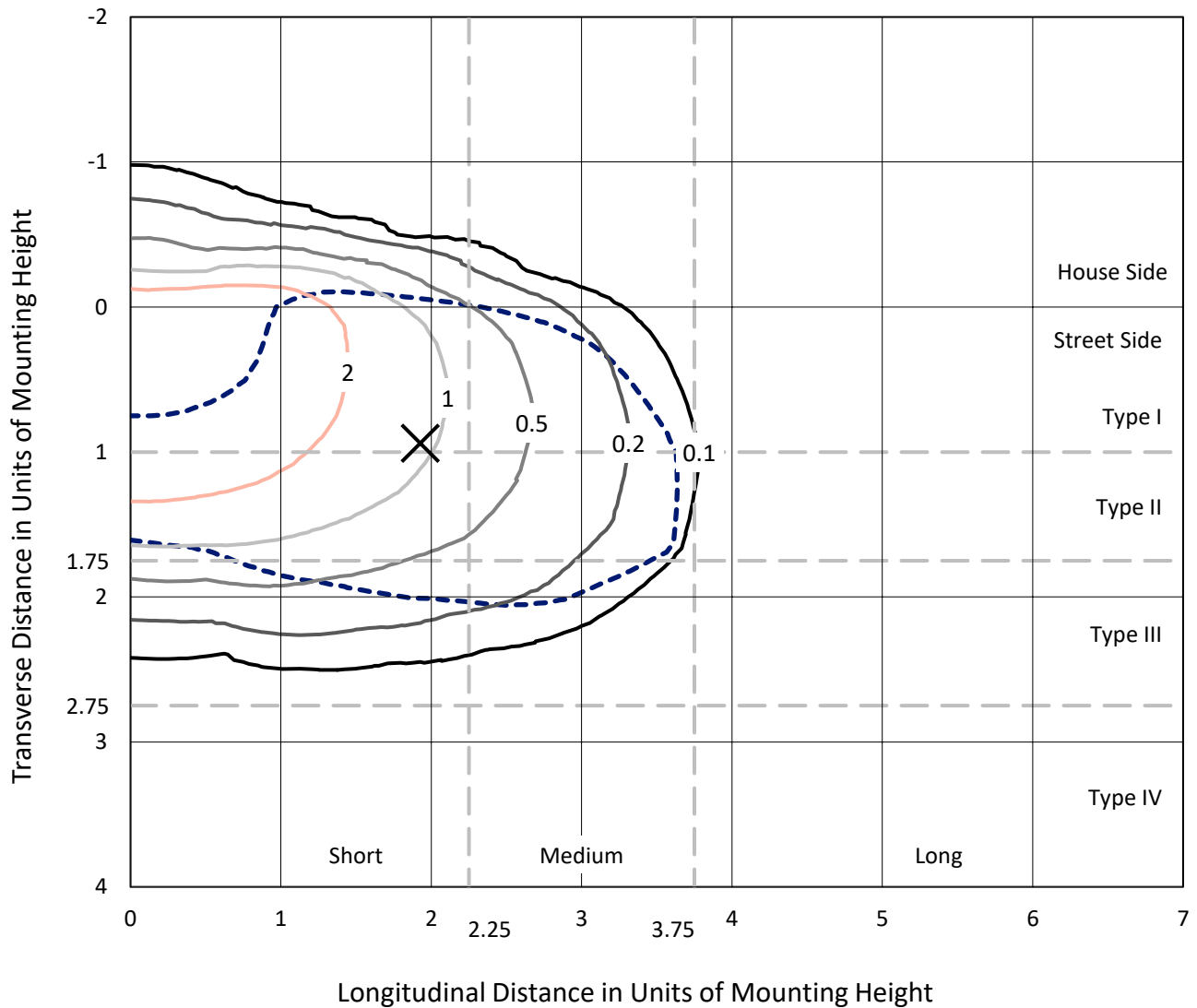
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

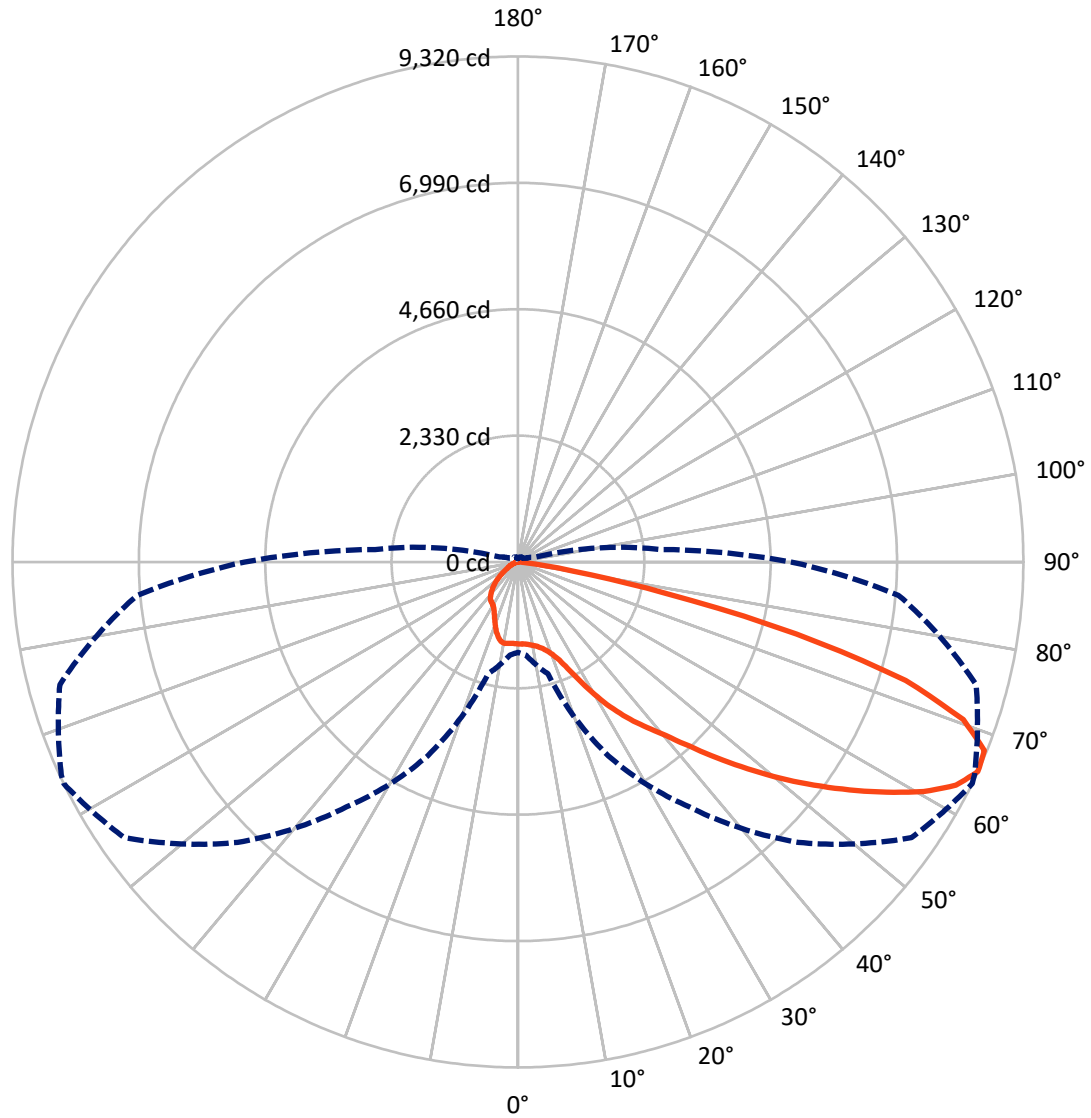
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1736.6	0.0	1736.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	11249.4	0.0	11249.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	12986.0	0.0	12986.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	1.1
10°-20°	378.0	2.9
20°-30°	716.2	5.5
30°-40°	1449.2	11.2
40°-50°	2468.8	19.0
50°-60°	3357.4	25.9
60°-70°	3152.8	24.3
70°-80°	1263.1	9.7
80°-90°	61.2	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°	12986.0	100.0
0°-180°	12986.0	100.0

Coefficient of Utilization



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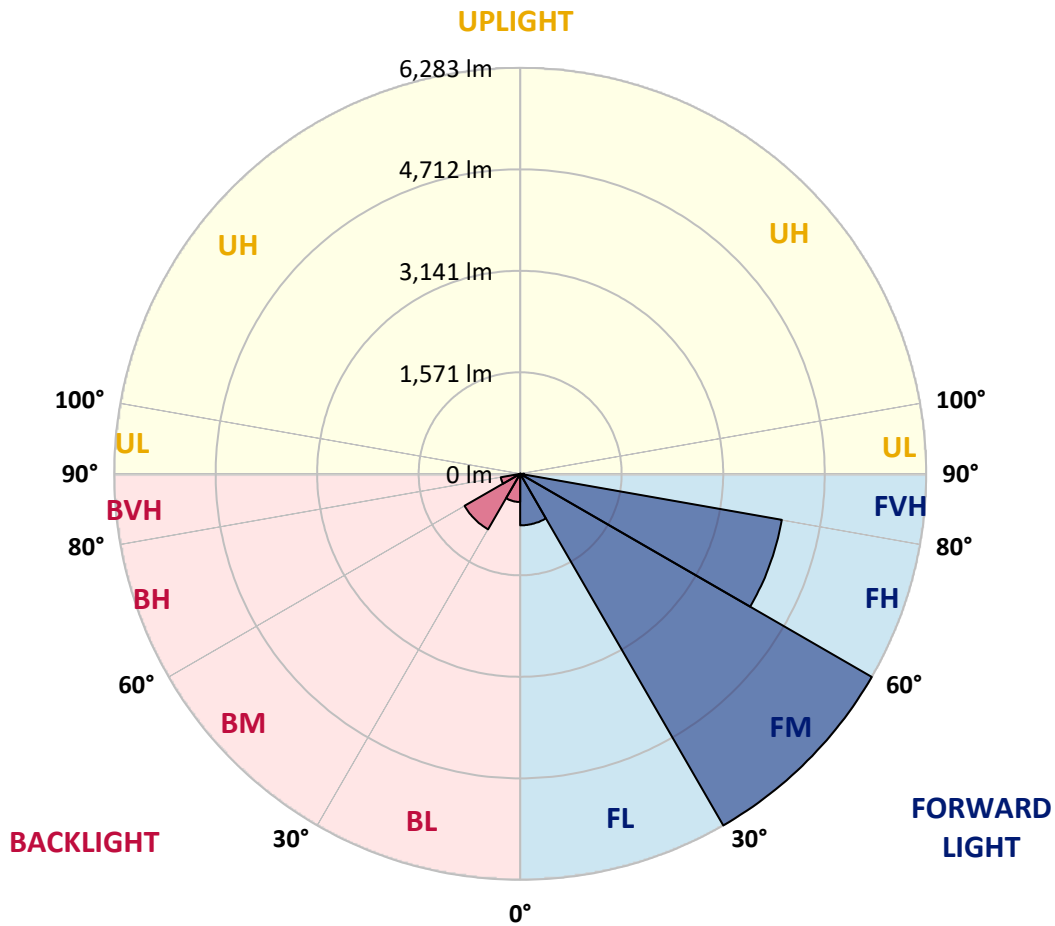
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	797.5	6.1			
FM (30°-60°)	6282.6	48.4			
FH (60°-80°)	4111.1	31.7			G2/5000
FVH (80°-90°)	58.2	0.4			G1/100
BL (0°-30°)	436.0	3.4	B1/500		
BM (30°-60°)	992.8	7.6	B1/1000		
BH (60°-80°)	304.8	2.3	B1/500		G1/500
BVH (80°-90°)	3.0	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1510.4	1510.4	1510.4	1510.4	1510.4	1510.4	1510.4	1510.4	1510.4	1510.4
2.5°	1505.2	1515.6	1513.0	1510.4	1509.5	1511.3	1512.1	1511.3	1511.3	1511.3
5°	1476.5	1485.2	1485.2	1491.3	1500.0	1510.4	1518.2	1520.0	1521.7	1524.3
7.5°	1421.6	1428.6	1433.8	1453.8	1475.6	1503.4	1526.9	1539.1	1540.9	1550.5
10°	1384.2	1392.9	1401.6	1422.5	1453.8	1495.6	1535.7	1565.3	1569.6	1592.2
12.5°	1382.4	1391.1	1402.5	1425.1	1461.7	1506.1	1554.8	1597.5	1605.3	1638.4
15°	1400.7	1411.2	1421.6	1449.5	1488.6	1542.6	1594.9	1648.0	1655.8	1702.8
17.5°	1438.2	1452.1	1459.9	1487.8	1529.6	1589.6	1658.4	1719.3	1726.3	1781.1
20°	1512.1	1528.7	1531.3	1553.9	1594.9	1659.3	1741.1	1816.8	1825.5	1888.2
22.5°	1665.4	1688.9	1668.0	1679.3	1715.9	1780.3	1869.1	1964.8	1977.0	2048.4
25°	1935.2	1968.3	1914.3	1895.2	1910.9	1977.9	2089.3	2210.3	2224.3	2281.7
27.5°	2465.4	2422.7	2340.9	2260.8	2213.8	2252.1	2377.5	2527.2	2544.6	2600.3
30°	3047.8	3010.4	2899.8	2722.2	2610.8	2604.7	2720.5	2887.6	2907.6	2960.7
32.5°	3631.1	3595.4	3475.2	3256.7	3063.5	2967.7	3047.8	3233.2	3243.7	3277.6
35°	4204.8	4168.2	4048.1	3824.3	3586.7	3369.0	3353.4	3562.3	3565.8	3601.5
37.5°	4781.9	4751.5	4623.5	4404.1	4169.9	3869.6	3724.2	3874.0	3878.3	3913.1
40°	5193.7	5206.8	5118.8	4949.1	4748.0	4419.8	4140.3	4205.6	4179.5	4237.8
42.5°	5547.2	5573.3	5496.7	5411.3	5294.7	5005.7	4655.7	4644.4	4602.6	4633.9
45°	5852.7	5874.5	5805.7	5785.7	5783.1	5580.2	5219.0	5151.1	5092.7	5086.6
47.5°	5965.0	6006.8	6036.4	6103.4	6234.0	6148.7	5801.4	5696.0	5630.7	5582.8
50°	6007.7	6052.1	6153.1	6348.1	6657.1	6693.7	6381.1	6262.7	6182.7	6095.6
52.5°	5950.2	6029.4	6165.2	6493.4	6941.8	7130.7	6937.4	6833.8	6742.4	6600.5
55°	5611.6	5690.8	5968.5	6491.7	7083.7	7437.1	7463.2	7417.1	7314.4	7090.6
57.5°	4897.7	5015.2	5454.9	6270.6	7081.1	7700.9	7978.6	8011.7	7896.8	7576.4
60°	3908.8	4068.1	4604.3	5780.5	6862.6	7843.7	8430.4	8595.8	8473.9	8055.2
62.5°	2727.4	2912.0	3419.5	5012.6	6362.9	7740.9	8760.4	9065.9	8973.6	8483.5
65°	1663.6	1722.8	2132.0	3944.5	5513.2	7310.9	8862.2	9320.1	9289.7	8745.6
67.5°	1108.2	1157.8	1275.4	2704.8	4279.6	6451.7	8618.5	9275.7	9284.4	8702.9
70°	667.7	710.4	787.0	1573.1	2773.6	5106.7	7863.7	8709.9	8760.4	8132.7
72.5°	275.1	303.8	373.5	713.0	1436.4	3241.1	6261.9	7478.0	7595.6	6838.2
75°	155.8	170.6	219.4	357.8	623.3	1510.4	3793.0	5308.6	5481.9	4713.2
77.5°	103.6	110.6	141.9	231.6	350.8	515.4	1621.0	2765.7	3096.6	2574.2
80°	69.6	75.7	97.5	155.0	228.1	221.1	516.2	1024.6	1260.6	884.5
82.5°	47.0	47.9	69.6	101.9	144.5	107.1	152.3	318.6	400.5	255.9
85°	27.0	26.1	51.4	59.2	64.4	44.4	46.1	95.8	125.4	107.9
87.5°	3.5	5.2	20.0	15.7	8.7	9.6	9.6	16.5	24.4	26.1
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°
1510.4	0°	1510.4	1510.4	1510.4	1510.4	1510.4	1510.4	1510.4	1510.4	1510.4	1510.4
1512.1	2.5°	1512.1	1511.3	1508.7	1506.1	1500.0	1496.5	1498.2	1496.5	1495.6	1496.5
1523.5	5°	1523.5	1520.9	1513.9	1505.2	1493.0	1478.2	1468.6	1454.7	1441.6	1433.8
1553.9	7.5°	1553.9	1551.3	1541.7	1517.4	1478.2	1416.4	1359.8	1310.2	1272.7	1251.0
1602.7	10°	1602.7	1598.3	1583.5	1529.6	1426.8	1291.9	1179.6	1086.4	1025.5	996.8
1660.1	12.5°	1660.1	1654.9	1628.8	1518.2	1329.3	1118.7	963.7	860.1	803.5	778.3
1726.3	15°	1728.0	1721.1	1669.7	1464.3	1187.4	927.1	785.2	707.8	671.2	648.6
1810.7	17.5°	1812.5	1800.3	1700.2	1383.3	1033.3	780.9	675.5	617.2	585.0	563.2
1921.3	20°	1922.2	1902.2	1724.6	1286.7	891.4	688.6	601.6	552.8	528.4	509.3
2078.0	22.5°	2075.4	2046.7	1754.2	1182.2	791.3	625.1	546.7	511.0	491.0	469.2
2296.5	25°	2265.2	2231.2	1790.7	1085.6	722.6	570.2	506.7	477.1	453.6	428.3
2582.9	27.5°	2530.7	2469.8	1834.3	1006.4	663.4	523.2	470.1	437.0	410.0	389.1
2907.6	30°	2826.7	2726.6	1872.6	958.5	609.4	479.7	422.2	389.1	363.9	349.1
3199.3	32.5°	3107.0	2971.2	1897.8	937.6	560.6	430.1	370.0	334.3	315.1	310.8
3484.8	35°	3371.6	3192.3	1895.2	917.6	517.1	380.4	318.6	282.1	267.3	269.9
3792.1	37.5°	3676.3	3428.2	1876.9	886.2	481.4	335.2	274.2	242.0	229.0	229.8
4165.6	40°	4030.7	3700.7	1865.6	827.0	442.2	293.4	237.7	211.5	202.0	198.5
4559.1	42.5°	4408.5	3964.5	1867.3	760.0	393.5	255.9	212.4	190.7	181.9	179.3
4997.0	45°	4788.0	4216.1	1869.9	690.3	342.1	227.2	194.1	175.9	170.6	167.1
5440.9	47.5°	5145.0	4430.2	1821.2	615.5	291.6	205.5	179.3	167.1	162.8	158.4
5886.7	50°	5477.5	4573.0	1703.7	528.4	251.6	188.0	168.0	159.3	155.0	150.6
6290.6	52.5°	5736.1	4595.6	1509.5	438.8	223.7	175.0	161.1	153.2	148.0	143.6
6617.1	55°	5851.0	4453.7	1233.6	355.2	202.0	163.7	154.1	146.3	140.2	135.8
6873.9	57.5°	5821.4	4155.1	962.0	285.5	181.1	152.3	145.4	140.2	133.2	126.2
7081.9	60°	5676.0	3755.6	725.2	237.7	161.9	140.2	135.8	131.5	121.9	111.4
7162.0	62.5°	5424.4	3253.3	517.1	196.7	141.0	126.2	124.5	121.0	107.1	87.9
7043.6	65°	5039.6	2643.0	348.2	163.7	121.0	110.6	111.4	105.3	87.1	65.3
6610.1	67.5°	4477.2	1932.6	222.9	134.1	101.0	92.3	93.1	89.7	74.0	55.7
5788.3	70°	3760.8	1279.7	145.4	101.9	81.0	71.4	76.6	77.5	62.7	45.3
4442.4	72.5°	2757.0	755.6	101.9	75.7	59.2	49.6	62.7	64.4	50.5	34.0
2672.6	75°	1571.3	358.7	76.6	54.8	36.6	34.8	48.8	48.8	34.8	22.6
1157.0	77.5°	659.9	149.7	54.0	35.7	20.9	20.0	33.1	30.5	17.4	10.4
282.1	80°	190.7	67.0	28.7	17.4	8.7	7.8	13.1	9.6	4.4	1.7
107.1	82.5°	74.9	29.6	11.3	7.0	3.5	3.5	1.7	0.0	0.0	0.0
60.9	85°	44.4	12.2	5.2	2.6	0.9	0.0	0.0	0.0	0.0	0.0
13.1	87.5°	11.3	2.6	1.7	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>
1510.4
1500.0
1435.5
1251.9
994.2
775.7
649.4
561.5
505.8
465.7
425.7
384.8
346.5
313.4
269.9
233.3
197.6
178.5
167.1
158.4
150.6
142.8
134.9
125.4
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86.2
63.6
53.1
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