

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: P940276

Luminaire Tested: **GALN-SB3B-735-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940276
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-SB3B-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA 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: 13250 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

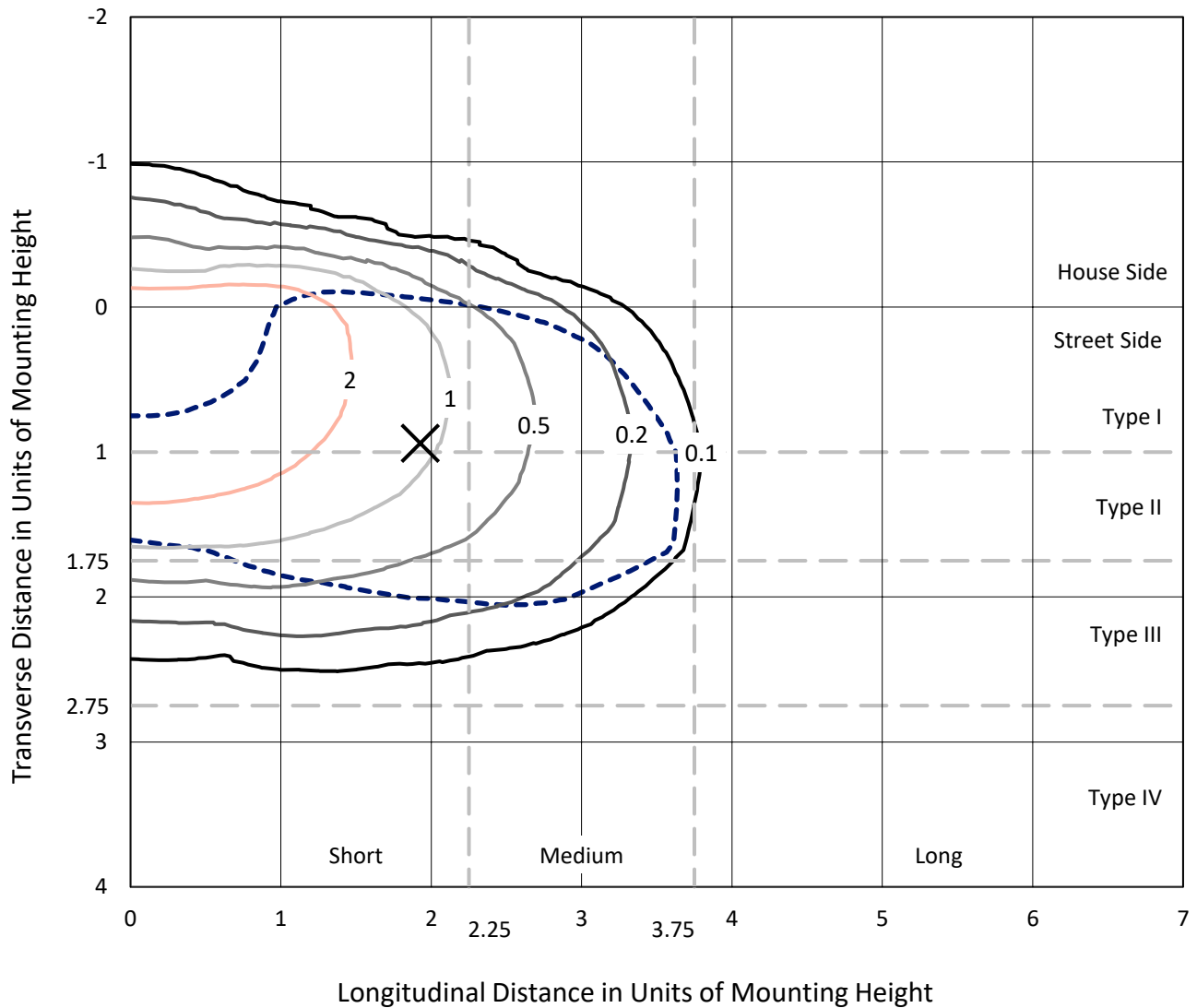
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

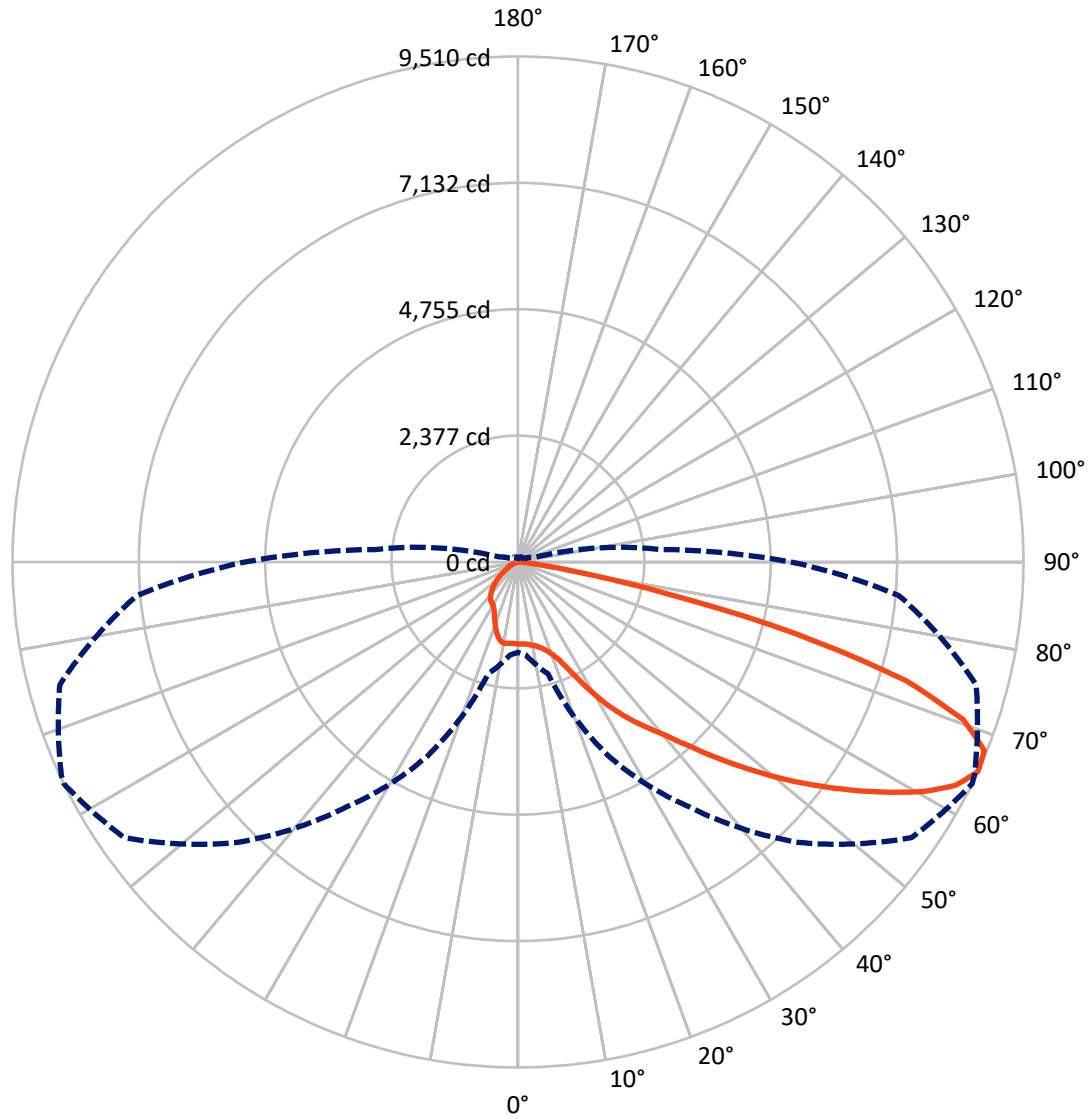
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	1771.9	0.0	1771.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	11478.1	0.0	11478.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	13250.0	0.0	13250.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.2	1.1
10°-20°	385.6	2.9
20°-30°	730.8	5.5
30°-40°	1478.7	11.2
40°-50°	2519.0	19.0
50°-60°	3425.6	25.9
60°-70°	3216.8	24.3
70°-80°	1288.8	9.7
80°-90°	62.4	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°	13250.0	100.0
0°-180°	13250.0	100.0

Coefficient of Utilization



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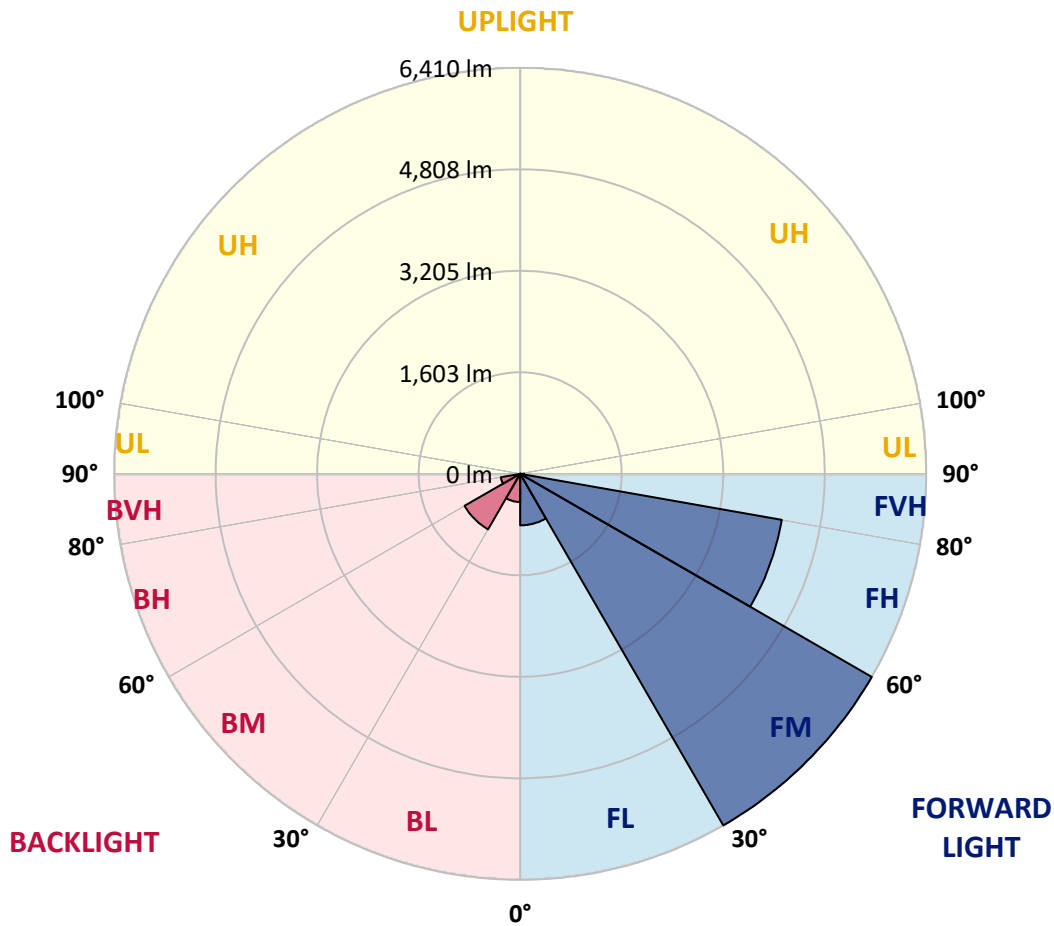
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	813.7	6.1			
FM (30°-60°)	6410.3	48.4			
FH (60°-80°)	4194.7	31.7			G2/5000
FVH (80°-90°)	59.4	0.4			G1/100
BL (0°-30°)	444.9	3.4	B1/500		
BM (30°-60°)	1013.0	7.6	B2/2500		
BH (60°-80°)	311.0	2.3	B1/500		G1/500
BVH (80°-90°)	3.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1541.1	1541.1	1541.1	1541.1	1541.1	1541.1	1541.1	1541.1	1541.1	1541.1
2.5°	1535.8	1546.4	1543.8	1541.1	1540.2	1542.0	1542.9	1542.0	1542.0	1542.0
5°	1506.5	1515.4	1515.4	1521.6	1530.5	1541.1	1549.1	1550.9	1552.7	1555.3
7.5°	1450.5	1457.6	1462.9	1483.4	1505.6	1534.0	1558.0	1570.4	1572.2	1582.0
10°	1412.3	1421.2	1430.1	1451.4	1483.4	1526.0	1566.9	1597.1	1601.5	1624.6
12.5°	1410.5	1419.4	1431.0	1454.1	1491.4	1536.7	1586.4	1629.9	1637.9	1671.7
15°	1429.2	1439.9	1450.5	1478.9	1518.9	1574.0	1627.3	1681.5	1689.5	1737.4
17.5°	1467.4	1481.6	1489.6	1518.0	1560.7	1621.9	1692.1	1754.3	1761.4	1817.4
20°	1542.9	1559.8	1562.4	1585.5	1627.3	1693.0	1776.5	1853.8	1862.7	1926.6
22.5°	1699.2	1723.2	1701.9	1713.4	1750.7	1816.5	1907.1	2004.8	2017.2	2090.1
25°	1974.6	2008.3	1953.3	1933.7	1949.7	2018.1	2131.8	2255.3	2269.5	2328.1
27.5°	2515.5	2472.0	2388.5	2306.8	2258.8	2297.9	2425.8	2578.6	2596.4	2653.2
30°	3109.8	3071.6	2958.8	2777.6	2663.9	2657.6	2775.8	2946.3	2966.8	3020.9
32.5°	3704.9	3668.5	3545.9	3322.9	3125.7	3028.0	3109.8	3299.0	3309.6	3344.3
35°	4290.2	4252.9	4130.4	3902.1	3659.6	3437.5	3421.5	3634.7	3638.3	3674.7
37.5°	4879.2	4848.1	4717.5	4493.7	4254.7	3948.3	3799.9	3952.7	3957.2	3992.7
40°	5299.3	5312.6	5222.9	5049.7	4844.5	4509.6	4224.5	4291.1	4264.5	4324.0
42.5°	5659.9	5686.6	5608.4	5521.4	5402.3	5107.4	4750.4	4738.8	4696.2	4728.2
45°	5971.7	5993.9	5923.7	5903.3	5900.6	5693.7	5325.1	5255.8	5196.3	5190.0
47.5°	6086.3	6128.9	6159.1	6227.5	6360.8	6273.7	5919.3	5811.8	5745.2	5696.3
50°	6129.8	6175.1	6278.1	6477.1	6792.4	6829.7	6510.9	6390.1	6308.3	6219.5
52.5°	6071.2	6152.0	6290.6	6625.5	7082.9	7275.7	7078.5	6972.8	6879.5	6734.7
55°	5725.7	5806.5	6089.8	6623.7	7227.7	7588.3	7615.0	7567.9	7463.1	7234.8
57.5°	4997.3	5117.2	5565.8	6398.1	7225.0	7857.5	8140.8	8174.6	8057.3	7730.4
60°	3988.2	4150.8	4698.0	5898.0	7002.1	8003.1	8601.8	8770.6	8646.2	8219.0
62.5°	2782.9	2971.2	3489.0	5114.5	6492.2	7898.3	8938.5	9250.2	9156.1	8656.0
65°	1697.4	1757.8	2175.3	4024.7	5625.3	7459.5	9042.4	9509.6	9478.5	8923.4
67.5°	1130.7	1181.4	1301.3	2759.8	4366.6	6582.8	8793.7	9464.3	9473.2	8879.8
70°	681.3	724.8	803.0	1605.1	2830.0	5210.5	8023.6	8886.9	8938.5	8298.0
72.5°	280.7	310.0	381.1	727.5	1465.6	3307.0	6389.2	7630.1	7750.0	6977.2
75°	159.0	174.1	223.8	365.1	636.0	1541.1	3870.1	5416.5	5593.3	4809.0
77.5°	105.7	112.8	144.8	236.3	358.0	525.8	1653.9	2822.0	3159.5	2626.6
80°	71.1	77.3	99.5	158.1	232.7	225.6	526.7	1045.5	1286.2	902.5
82.5°	48.0	48.9	71.1	103.9	147.4	109.3	155.4	325.1	408.6	261.1
85°	27.5	26.6	52.4	60.4	65.7	45.3	47.1	97.7	127.9	110.1
87.5°	3.6	5.3	20.4	16.0	8.9	9.8	9.8	16.9	24.9	26.6
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°
1541.1	0°	1541.1	1541.1	1541.1	1541.1	1541.1	1541.1	1541.1	1541.1	1541.1	1541.1
1542.9	2.5°	1542.9	1542.0	1539.3	1536.7	1530.5	1526.9	1528.7	1526.9	1526.0	1526.9
1554.4	5°	1554.4	1551.8	1544.7	1535.8	1523.3	1508.2	1498.5	1484.3	1470.9	1462.9
1585.5	7.5°	1585.5	1582.9	1573.1	1548.2	1508.2	1445.2	1387.4	1336.8	1298.6	1276.4
1635.3	10°	1635.3	1630.8	1615.7	1560.7	1455.8	1318.2	1203.6	1108.5	1046.4	1017.0
1693.9	12.5°	1693.9	1688.6	1661.9	1549.1	1356.4	1141.4	983.3	877.6	819.9	794.1
1761.4	15°	1763.2	1756.1	1703.7	1494.0	1211.6	946.0	801.2	722.1	684.8	661.7
1847.6	17.5°	1849.3	1836.9	1734.8	1411.4	1054.4	796.8	689.3	629.8	596.9	574.7
1960.4	20°	1961.3	1940.8	1759.6	1312.8	909.6	702.6	613.8	564.0	539.2	519.6
2120.3	22.5°	2117.6	2088.3	1789.8	1206.2	807.4	637.8	557.8	521.4	501.0	478.8
2343.2	25°	2311.2	2276.6	1827.1	1107.6	737.2	581.8	517.0	486.8	462.8	437.0
2635.4	27.5°	2582.1	2520.0	1871.5	1026.8	676.8	533.8	479.7	445.9	418.4	397.0
2966.8	30°	2884.1	2782.0	1910.6	978.0	621.8	489.4	430.8	397.0	371.3	356.2
3264.3	32.5°	3170.2	3031.6	1936.4	956.6	572.0	438.8	377.5	341.1	321.5	317.1
3555.7	35°	3440.2	3257.2	1933.7	936.2	527.6	388.2	325.1	287.8	272.7	275.4
3869.2	37.5°	3751.1	3497.9	1915.1	904.2	491.2	342.0	279.8	246.9	233.6	234.5
4250.3	40°	4112.6	3775.9	1903.5	843.8	451.2	299.3	242.5	215.8	206.1	202.5
4651.8	42.5°	4498.1	4045.1	1905.3	775.4	401.5	261.1	216.7	194.5	185.6	183.0
5098.6	45°	4885.4	4301.8	1908.0	704.4	349.1	231.8	198.1	179.4	174.1	170.5
5551.6	47.5°	5249.6	4520.3	1858.2	628.0	297.6	209.6	183.0	170.5	166.1	161.7
6006.3	50°	5588.9	4666.0	1738.3	539.2	256.7	191.9	171.4	162.5	158.1	153.7
6418.5	52.5°	5852.7	4689.1	1540.2	447.7	228.3	178.5	164.3	156.3	151.0	146.6
6751.6	55°	5969.9	4544.3	1258.6	362.4	206.1	167.0	157.2	149.2	143.0	138.6
7013.6	57.5°	5939.7	4239.6	981.5	291.3	184.8	155.4	148.3	143.0	135.9	128.8
7225.9	60°	5791.4	3831.9	739.9	242.5	165.2	143.0	138.6	134.1	124.4	113.7
7307.6	62.5°	5534.7	3319.4	527.6	200.7	143.9	128.8	127.0	123.5	109.3	89.7
7186.8	65°	5142.1	2696.7	355.3	167.0	123.5	112.8	113.7	107.5	88.8	66.6
6744.5	67.5°	4568.3	1971.9	227.4	136.8	103.0	94.2	95.0	91.5	75.5	56.8
5906.0	70°	3837.2	1305.7	148.3	103.9	82.6	72.8	78.2	79.1	64.0	46.2
4532.7	72.5°	2813.1	771.0	103.9	77.3	60.4	50.6	64.0	65.7	51.5	34.6
2726.9	75°	1603.3	366.0	78.2	56.0	37.3	35.5	49.7	49.7	35.5	23.1
1180.5	77.5°	673.3	152.8	55.1	36.4	21.3	20.4	33.8	31.1	17.8	10.7
287.8	80°	194.5	68.4	29.3	17.8	8.9	8.0	13.3	9.8	4.4	1.8
109.3	82.5°	76.4	30.2	11.5	7.1	3.6	3.6	1.8	0.0	0.0	0.0
62.2	85°	45.3	12.4	5.3	2.7	0.9	0.0	0.0	0.0	0.0	0.0
13.3	87.5°	11.5	2.7	1.8	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>
1541.1
1530.5
1464.7
1277.3
1014.4
791.4
662.6
572.9
516.1
475.2
434.4
392.6
353.5
319.8
275.4
238.1
201.6
182.1
170.5
161.7
153.7
145.7
137.7
127.9
111.9
87.9
64.8
54.2
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