

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: P948492

Luminaire Tested: **GALN-SB3C-740-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948492
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3C-740-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23234 lumens
Efficiency: N/A
Efficacy: 155.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

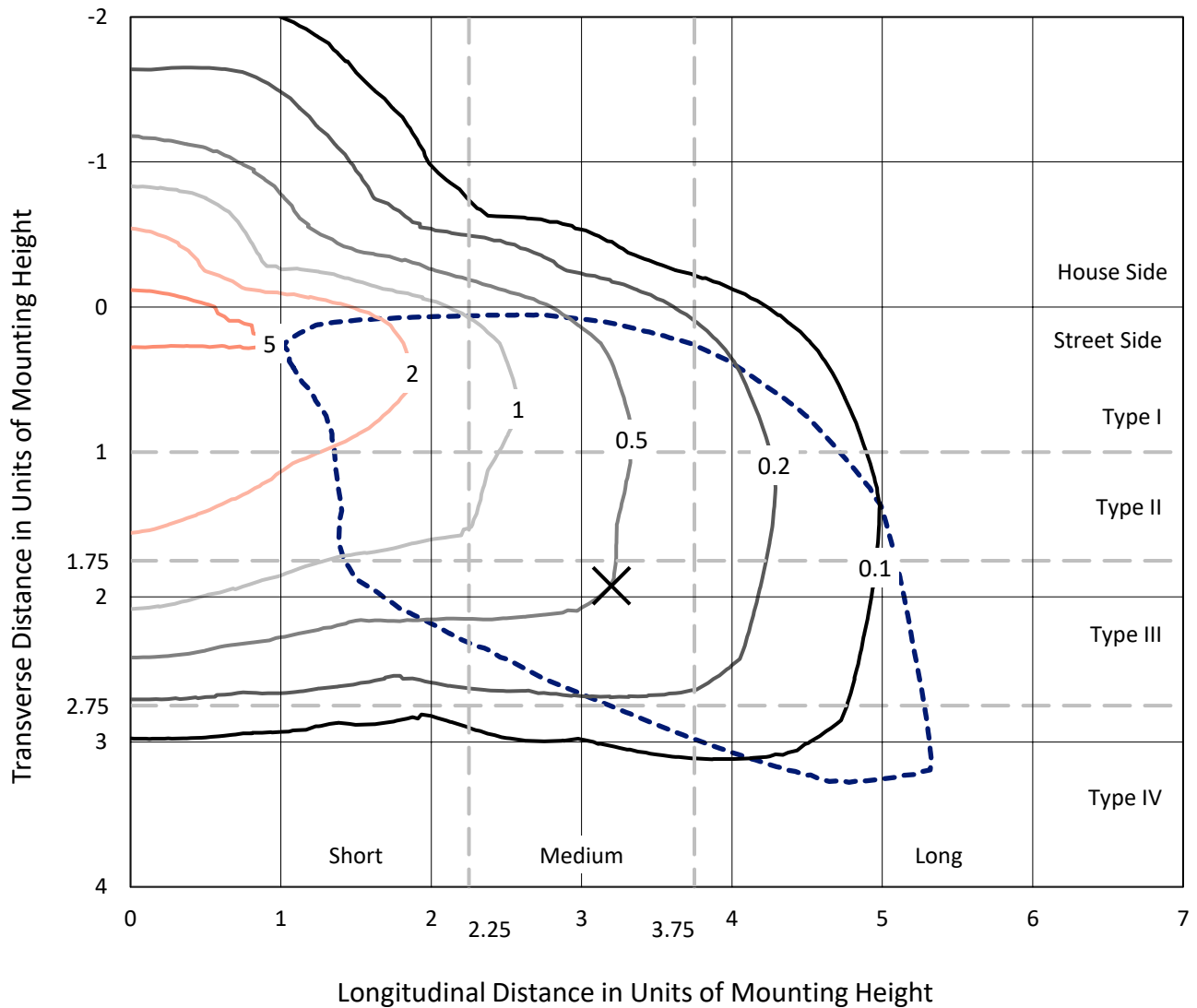
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

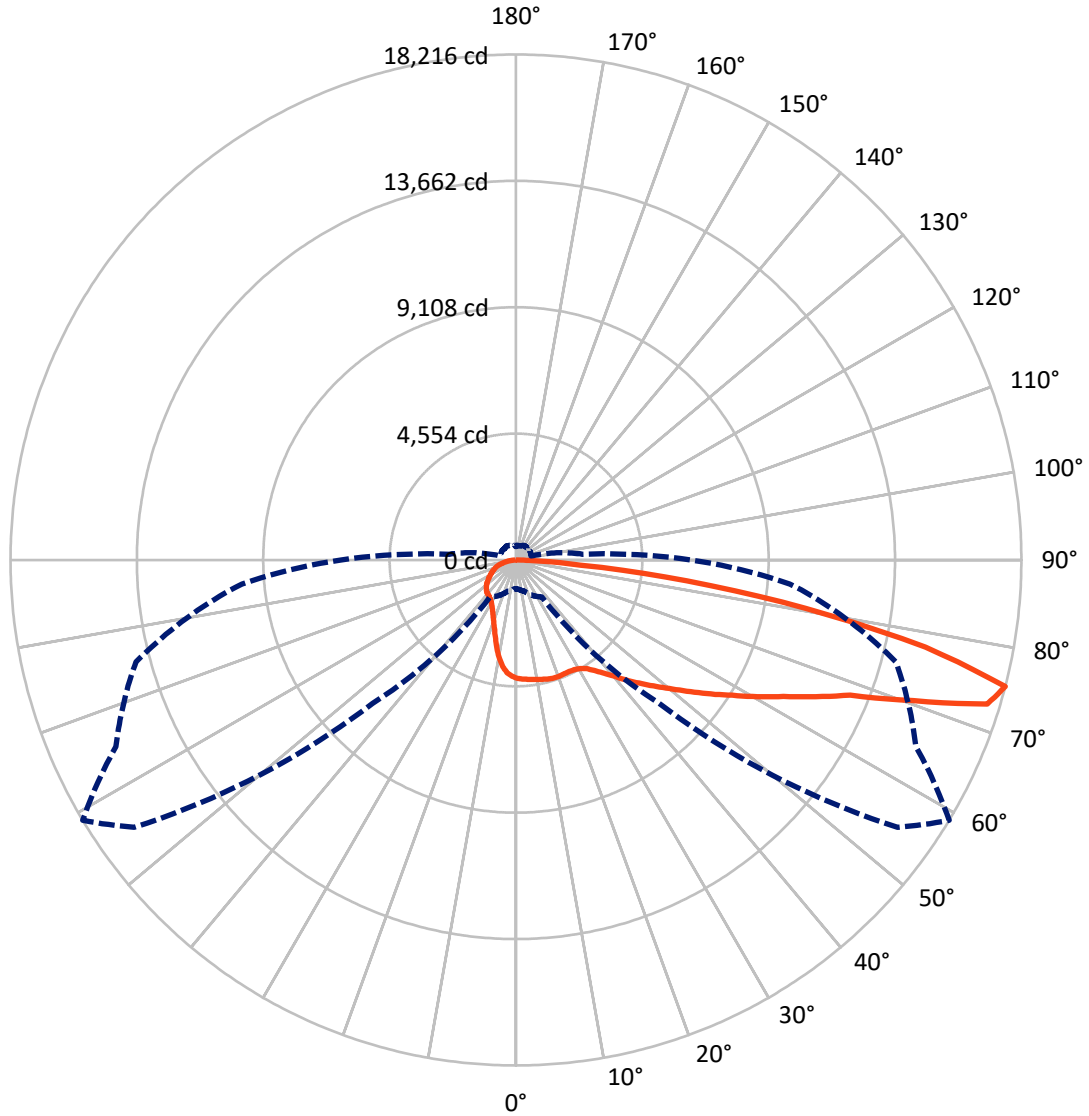
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4357.7	0.0	4357.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	18876.3	0.0	18876.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	23234.0	0.0	23234.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.4	1.6
10°-20°	977.4	4.2
20°-30°	1484.6	6.4
30°-40°	2206.8	9.5
40°-50°	3281.9	14.1
50°-60°	4454.8	19.2
60°-70°	5438.6	23.4
70°-80°	4268.1	18.4
80°-90°	739.3	3.2
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°	23234.0	100.0
0°-180°	23234.0	100.0

Coefficient of Utilization



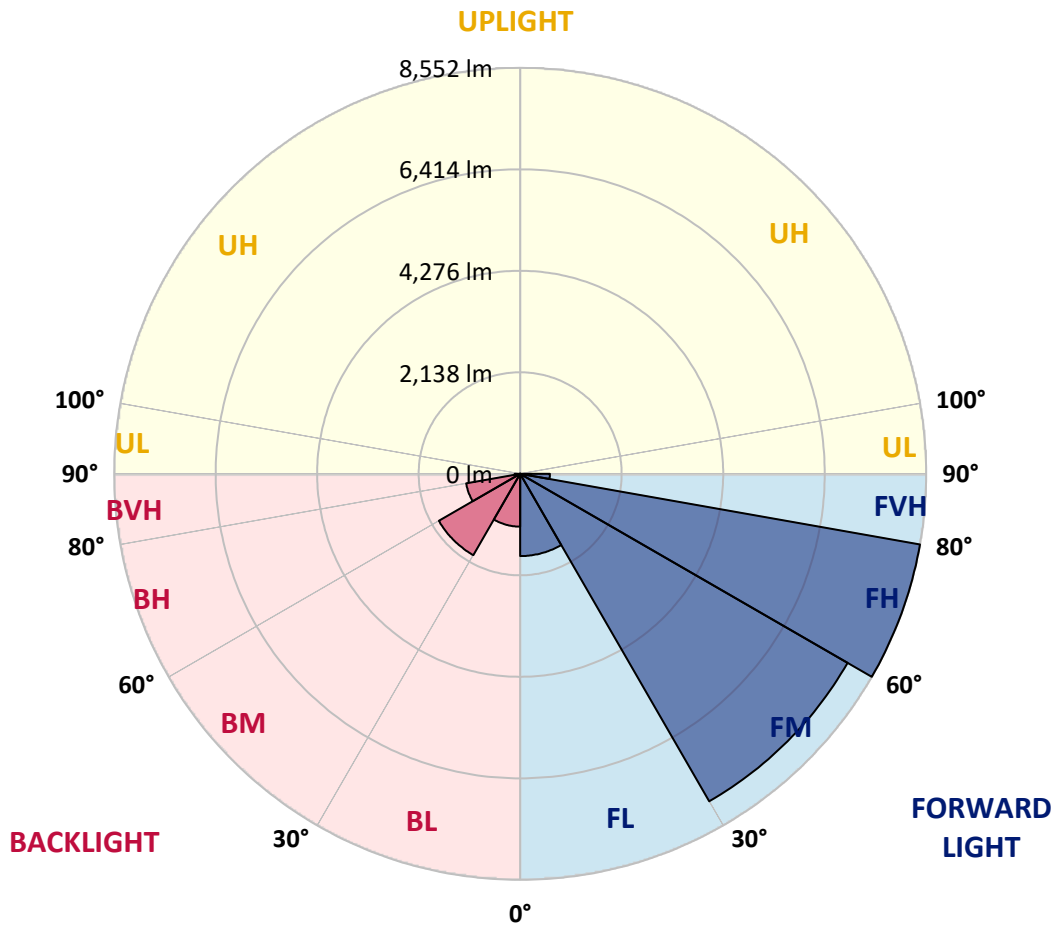
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1732.3	7.5			
FM (30°-60°)	7965.6	34.3			
FH (60°-80°)	8552.2	36.8			G4/12000
FVH (80°-90°)	626.2	2.7			G4/750
BL (0°-30°)	1112.0	4.8	B3/2500		
BM (30°-60°)	1978.0	8.5	B2/2500		
BH (60°-80°)	1154.5	5.0	B3/2500		G3/2500
BVH (80°-90°)	113.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	4264.5	4264.5	4264.5	4264.5	4264.5	4264.5	4264.5	4264.5	4264.5	4264.5
2.5°	4300.8	4285.8	4300.8	4294.5	4292.0	4287.0	4288.3	4297.0	4292.0	4298.3
5°	4272.0	4263.3	4278.3	4274.5	4290.8	4293.3	4309.5	4319.5	4325.8	4327.0
7.5°	4224.6	4215.8	4237.1	4254.5	4289.5	4299.5	4333.3	4349.5	4358.3	4373.3
10°	4050.8	4047.1	4099.6	4165.8	4248.3	4299.5	4350.8	4378.3	4392.0	4432.0
12.5°	3743.4	3748.4	3817.1	3944.6	4109.6	4274.5	4370.8	4410.8	4432.0	4482.0
15°	3449.6	3448.4	3523.4	3659.6	3890.8	4164.6	4380.8	4449.5	4485.8	4559.5
17.5°	3279.7	3274.7	3327.1	3430.9	3645.9	3995.8	4355.8	4470.8	4548.3	4640.8
20°	3248.4	3238.4	3265.9	3317.1	3469.6	3810.8	4290.8	4470.8	4598.3	4718.3
22.5°	3362.1	3345.9	3334.6	3328.4	3395.9	3658.4	4217.1	4455.8	4672.0	4829.5
25°	3590.9	3565.9	3508.4	3452.1	3432.1	3589.6	4152.1	4452.0	4782.0	4979.5
27.5°	3960.8	3929.6	3813.3	3678.4	3557.1	3624.6	4123.3	4474.5	4903.2	5138.2
30°	4419.5	4385.8	4239.6	4032.1	3814.6	3754.6	4159.6	4540.8	5058.2	5349.4
32.5°	4830.7	4793.2	4668.3	4457.0	4163.3	3979.6	4274.5	4667.0	5301.9	5643.2
35°	5195.7	5152.0	5039.5	4844.5	4590.8	4295.8	4482.0	4890.7	5648.2	6120.6
37.5°	5553.2	5501.9	5379.4	5173.2	4995.7	4717.0	4768.2	5178.2	6108.1	6700.5
40°	5953.1	5879.4	5730.6	5526.9	5354.4	5210.7	5144.5	5530.7	6575.6	7348.0
42.5°	6340.6	6270.6	6093.1	5919.4	5703.1	5661.9	5580.7	5943.1	7086.8	8059.1
45°	6758.0	6674.3	6459.3	6239.3	6103.1	5961.9	6003.1	6355.6	7587.9	8784.1
47.5°	7149.2	7055.5	6801.8	6556.8	6481.8	6214.3	6390.6	6809.3	8109.1	9519.0
50°	7360.5	7268.0	7056.8	6835.5	6776.8	6525.6	6810.5	7308.0	8655.3	10251.4
52.5°	7536.7	7436.7	7160.5	7038.0	7020.5	6864.3	7328.0	7877.9	9201.5	10898.8
55°	7724.2	7612.9	7260.5	7150.5	7230.5	7244.2	7941.7	8524.1	9779.0	11530.0
57.5°	7940.4	7799.2	7356.7	7245.5	7435.5	7689.2	8646.6	9194.0	10346.4	12115.0
60°	8144.1	8001.7	7541.7	7396.7	7656.7	8205.4	9455.2	10005.2	10988.8	12636.2
62.5°	8184.1	8066.6	7689.2	7687.9	7956.7	8807.8	10412.6	10823.9	11550.0	13151.1
65°	7491.7	7418.0	7194.2	7676.7	8386.6	9675.2	11478.8	11871.2	12263.7	13601.1
67.5°	5701.9	5711.9	5695.6	6626.8	8039.1	10921.3	13022.4	12992.4	13144.9	14106.0
70°	2607.2	2666.0	3048.4	4574.5	6440.6	11065.1	15574.6	15185.9	14251.0	14759.7
72.5°	1408.6	1453.6	1609.8	2216.0	3872.1	9837.7	17481.9	17758.1	15722.1	15199.6
75°	1033.6	1058.6	1167.4	1408.6	1626.1	7311.7	16798.2	18215.6	15905.8	14173.5
77.5°	773.7	784.9	873.7	1116.1	832.4	3854.6	13422.3	15085.9	13616.1	11645.0
80°	561.2	573.7	639.9	837.4	583.7	1409.9	9216.5	10588.9	9325.3	7423.0
82.5°	387.5	392.5	421.2	569.9	407.5	547.4	5229.4	6209.3	5205.7	2604.7
85°	233.7	240.0	252.5	332.5	231.2	260.0	2257.3	2334.8	1556.1	622.4
87.5°	96.2	102.5	112.5	140.0	91.2	72.5	372.5	467.5	291.2	182.5
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°
4264.5	0°	4264.5	4264.5	4264.5	4264.5	4264.5	4264.5	4264.5	4264.5	4264.5	4264.5
4277.0	2.5°	4270.8	4262.0	4238.3	4205.8	4175.8	4138.3	4122.1	4108.3	4095.8	4072.1
4310.8	5°	4297.0	4273.3	4209.6	4127.1	4033.3	3930.8	3830.8	3762.1	3703.4	3659.6
4349.5	7.5°	4337.0	4292.0	4175.8	4007.1	3792.1	3572.1	3373.4	3232.2	3125.9	3087.2
4404.5	10°	4378.3	4324.5	4122.1	3824.6	3453.4	3114.7	2850.9	2706.0	2621.0	2593.5
4469.5	12.5°	4427.0	4348.3	4038.3	3570.9	3074.7	2703.5	2473.5	2388.5	2344.8	2329.8
4549.5	15°	4498.3	4368.3	3912.1	3253.4	2713.5	2403.5	2254.8	2196.0	2173.5	2172.3
4632.0	17.5°	4552.0	4372.0	3715.9	2913.4	2436.0	2222.3	2099.8	2077.3	2092.3	2114.8
4713.3	20°	4612.0	4338.3	3458.4	2603.5	2241.0	2063.5	2012.3	2027.3	2063.5	2096.0
4820.7	22.5°	4654.5	4277.0	3147.2	2362.3	2072.3	1972.3	1969.8	2001.0	2021.0	2037.3
4947.0	25°	4692.0	4173.3	2817.2	2159.8	1933.5	1917.3	1944.8	1934.8	1921.0	1934.8
5073.2	27.5°	4719.5	4009.6	2522.2	1982.3	1836.1	1879.8	1863.6	1841.1	1839.8	1847.3
5221.9	30°	4710.8	3790.8	2279.8	1813.6	1767.3	1809.8	1771.1	1767.3	1763.6	1767.3
5445.7	32.5°	4710.8	3542.1	2093.5	1697.3	1723.6	1707.3	1703.6	1694.8	1679.8	1678.6
5749.4	35°	4737.0	3293.4	1933.5	1634.8	1687.3	1648.6	1651.1	1629.8	1598.6	1583.6
6151.8	37.5°	4790.7	3093.4	1774.8	1604.8	1623.6	1622.3	1612.3	1576.1	1521.1	1473.6
6654.3	40°	4920.7	3034.7	1666.1	1591.1	1593.6	1608.6	1582.3	1512.3	1387.4	1309.9
7164.2	42.5°	5124.5	3133.4	1642.3	1557.3	1573.6	1588.6	1537.3	1374.9	1286.1	1239.9
7699.2	45°	5383.2	3305.9	1693.6	1508.6	1526.1	1552.3	1399.9	1322.4	1282.4	1283.6
8229.1	47.5°	5710.6	3487.1	1788.6	1466.1	1457.3	1472.3	1308.6	1261.1	1206.1	1219.9
8737.8	50°	6089.4	3670.9	1878.6	1408.6	1381.1	1332.4	1249.9	1204.9	1134.9	1102.4
9229.0	52.5°	6499.3	3848.3	1914.8	1338.6	1298.6	1242.4	1209.9	1154.9	1069.9	1016.1
9692.7	55°	6888.0	4009.6	1874.8	1254.9	1216.1	1172.4	1167.4	1133.6	1042.4	967.4
10105.2	57.5°	7255.5	4144.6	1774.8	1169.9	1132.4	1106.1	1139.9	1123.6	1008.6	912.4
10495.1	60°	7566.7	4237.1	1629.8	1083.6	1057.4	1043.6	1094.9	1089.9	961.1	853.7
10845.1	62.5°	7814.2	4273.3	1469.8	1001.1	994.9	969.9	1032.4	1032.4	901.2	796.2
11152.6	65°	8007.9	4238.3	1307.4	919.9	932.4	894.9	956.1	948.6	837.4	744.9
11506.3	67.5°	8179.1	4123.3	1127.4	839.9	868.7	821.2	876.2	858.7	767.4	693.7
11812.5	70°	8255.4	3855.8	922.4	759.9	794.9	748.7	796.2	763.7	688.7	638.7
11476.3	72.5°	7642.9	3204.7	726.2	676.2	706.2	668.7	709.9	672.4	603.7	581.2
9910.2	75°	6323.1	2404.7	558.7	584.9	607.4	578.7	606.2	578.7	516.2	532.4
7320.5	77.5°	4592.0	1623.6	427.5	488.7	498.7	483.7	507.4	476.2	420.0	416.2
3648.4	80°	2283.5	951.1	335.0	386.2	382.5	372.5	400.0	385.0	337.5	357.5
984.9	82.5°	661.2	407.5	243.7	271.2	263.7	266.2	286.2	293.7	440.0	436.2
306.2	85°	207.5	160.0	146.2	151.2	143.7	147.5	168.7	335.0	310.0	181.2
95.0	87.5°	53.7	55.0	36.2	38.7	40.0	47.5	53.7	203.7	97.5	63.7
0.0	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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<u>180°</u>
4264.5
4060.8
3623.4
3019.7
2551.0
2333.5
2177.3
2123.5
2107.3
2046.0
1943.5
1859.8
1781.1
1694.8
1598.6
1489.8
1319.9
1239.9
1289.9
1254.9
1111.1
1014.9
967.4
907.4
849.9
792.4
739.9
688.7
628.7
562.4
486.2
397.5
353.7
446.2
196.2
67.5
0.0

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