

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: P952671

Luminaire Tested: **GALN-SB6B-950-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952671
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-SB6B-950-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23216 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

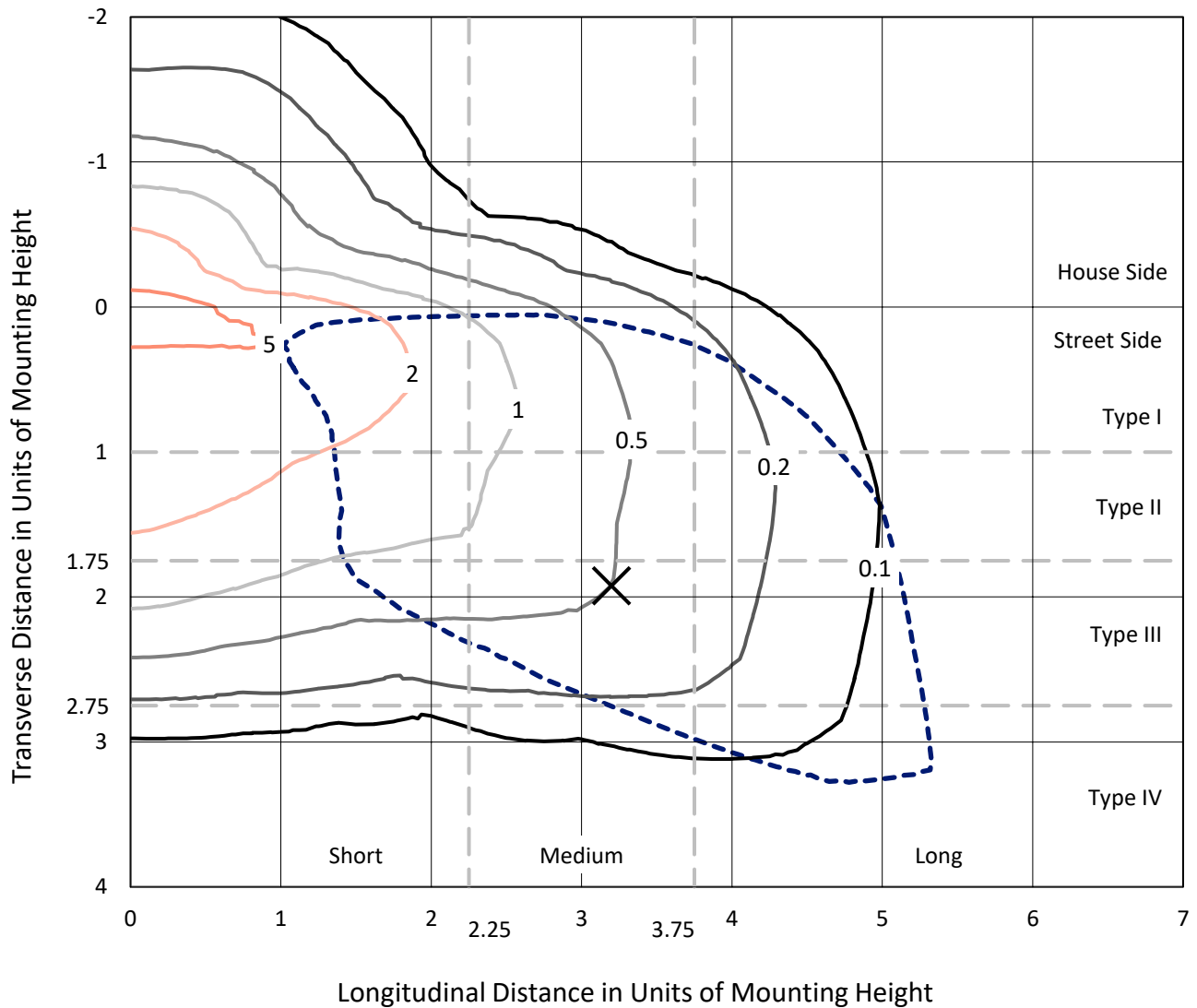
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

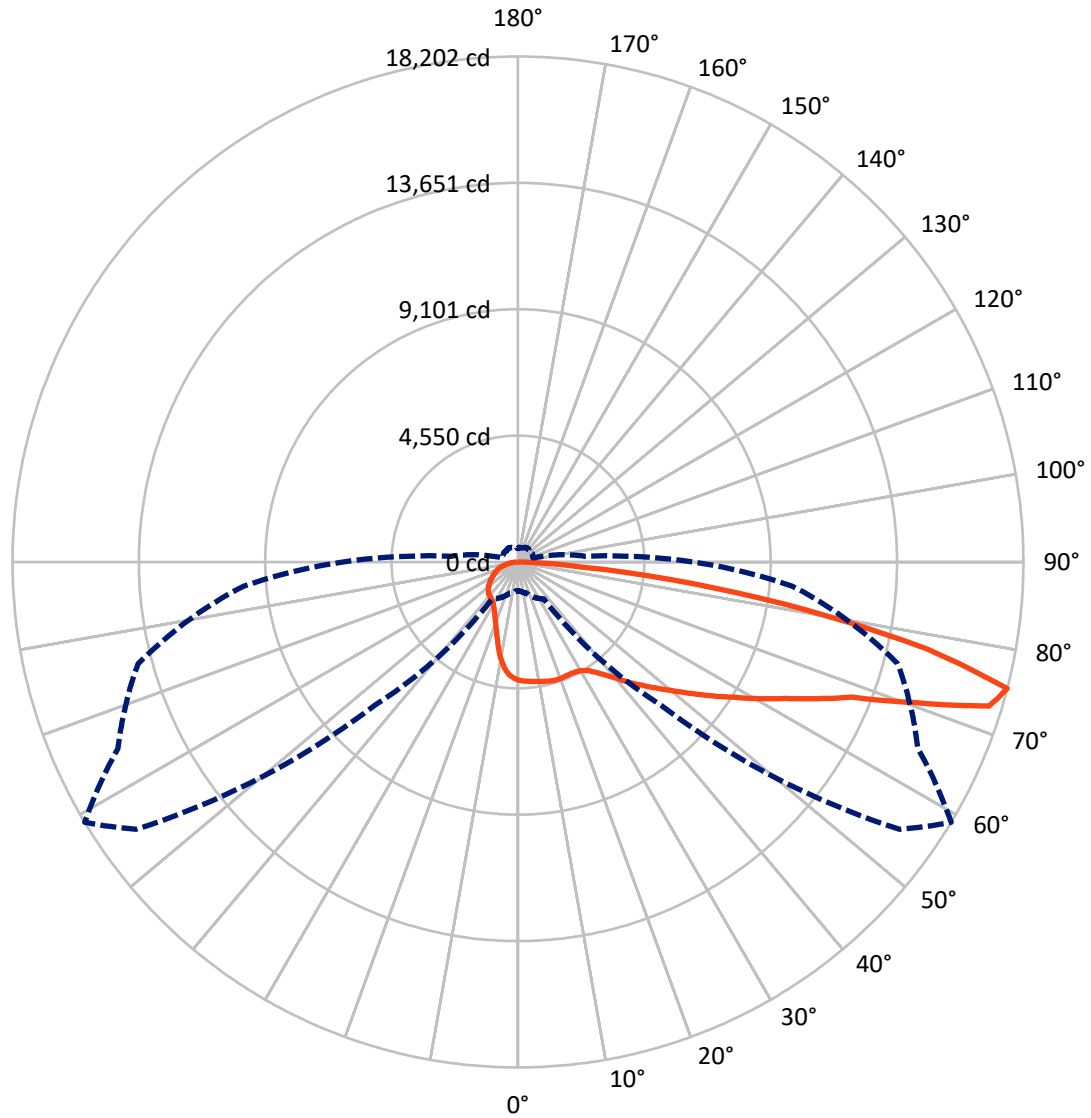
✕ Max cd
 - - - 1/2 Max cd



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	4354.3	0.0	4354.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	18861.7	0.0	18861.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	23216.0	0.0	23216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.1	1.6
10°-20°	976.6	4.2
20°-30°	1483.4	6.4
30°-40°	2205.1	9.5
40°-50°	3279.4	14.1
50°-60°	4451.4	19.2
60°-70°	5434.4	23.4
70°-80°	4264.8	18.4
80°-90°	738.8	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°	23216.0	100.0
0°-180°	23216.0	100.0

Coefficient of Utilization



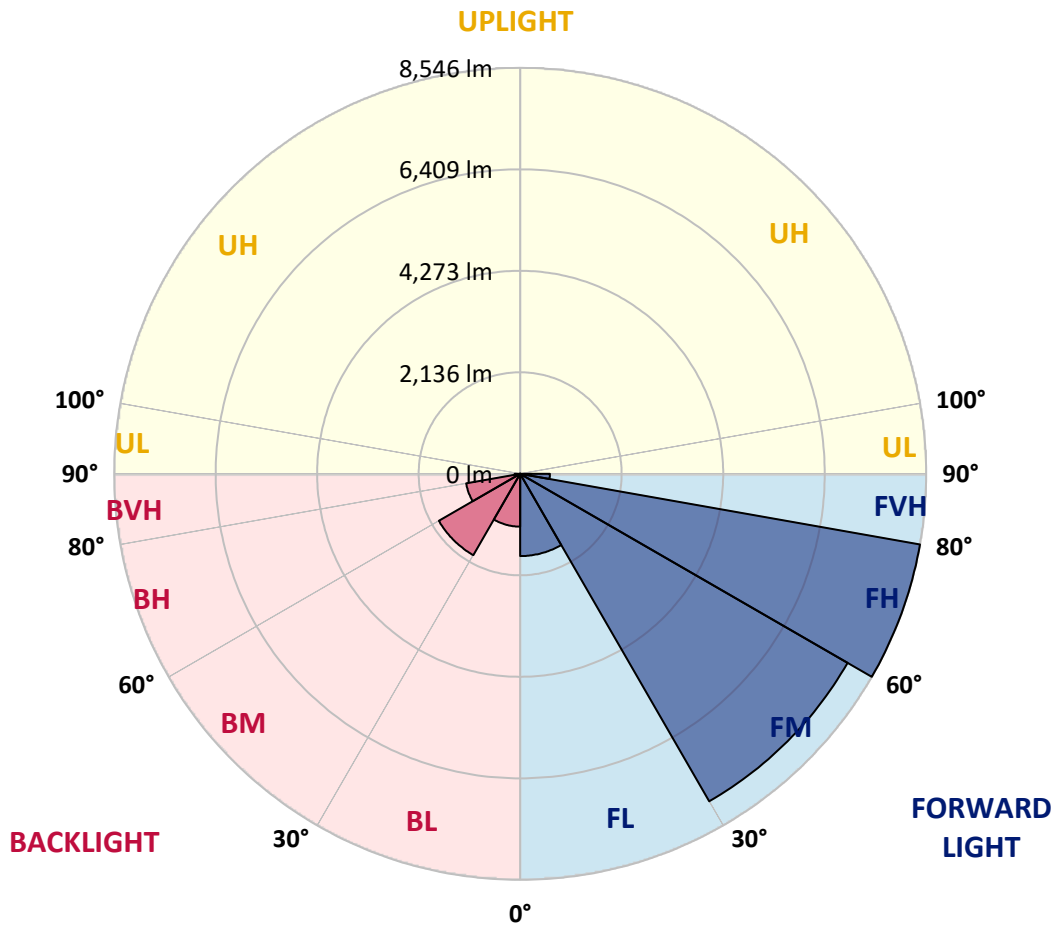
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1731.0	7.5			
FM (30°-60°)	7959.4	34.3			
FH (60°-80°)	8545.6	36.8			G4/12000
FVH (80°-90°)	625.7	2.7			G4/750
BL (0°-30°)	1111.2	4.8	B3/2500		
BM (30°-60°)	1976.4	8.5	B2/2500		
BH (60°-80°)	1153.6	5.0	B3/2500		G3/2500
BVH (80°-90°)	113.1	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°	4261.2	4261.2	4261.2	4261.2	4261.2	4261.2	4261.2	4261.2	4261.2	4261.2
2.5°	4297.5	4282.5	4297.5	4291.2	4288.7	4283.7	4285.0	4293.7	4288.7	4295.0
5°	4268.7	4260.0	4275.0	4271.2	4287.5	4290.0	4306.2	4316.2	4322.4	4323.7
7.5°	4221.3	4212.5	4233.8	4251.3	4286.2	4296.2	4329.9	4346.2	4354.9	4369.9
10°	4047.7	4043.9	4096.4	4162.6	4245.0	4296.2	4347.4	4374.9	4388.6	4428.6
12.5°	3740.5	3745.4	3814.1	3941.5	4106.4	4271.2	4367.4	4407.4	4428.6	4478.6
15°	3447.0	3445.7	3520.6	3656.8	3887.8	4161.3	4377.4	4446.1	4482.3	4556.0
17.5°	3277.1	3272.1	3324.6	3428.2	3643.0	3992.7	4352.4	4467.3	4544.7	4637.2
20°	3245.9	3235.9	3263.4	3314.6	3466.9	3807.9	4287.5	4467.3	4594.7	4714.6
22.5°	3359.5	3343.3	3332.1	3325.8	3393.3	3655.5	4213.8	4452.3	4668.4	4825.7
25°	3588.1	3563.1	3505.7	3449.5	3429.5	3586.8	4148.8	4448.6	4778.3	4975.6
27.5°	3957.8	3926.5	3810.4	3675.5	3554.4	3621.8	4120.1	4471.1	4899.4	5134.2
30°	4416.1	4382.4	4236.3	4028.9	3811.6	3751.7	4156.3	4537.3	5054.3	5345.3
32.5°	4827.0	4789.5	4664.6	4453.6	4160.1	3976.5	4271.2	4663.4	5297.8	5638.8
35°	5191.7	5148.0	5035.6	4840.7	4587.2	4292.5	4478.6	4886.9	5643.8	6115.9
37.5°	5548.9	5497.7	5375.3	5169.2	4991.9	4713.3	4764.6	5174.2	6103.4	6695.4
40°	5948.5	5874.8	5726.2	5522.6	5350.3	5206.7	5140.5	5526.4	6570.5	7342.3
42.5°	6335.7	6265.7	6088.4	5914.8	5698.7	5657.5	5576.3	5938.5	7081.3	8052.9
45°	6752.8	6669.1	6454.3	6234.5	6098.4	5957.3	5998.5	6350.7	7582.1	8777.3
47.5°	7143.7	7050.0	6796.5	6551.7	6476.8	6209.5	6385.6	6804.0	8102.9	9511.6
50°	7354.8	7262.4	7051.3	6830.2	6771.5	6520.5	6805.3	7302.3	8648.6	10243.5
52.5°	7530.9	7431.0	7154.9	7032.6	7015.1	6859.0	7322.3	7871.8	9194.4	10890.4
55°	7718.2	7607.0	7254.9	7145.0	7224.9	7238.6	7935.5	8517.5	9771.4	11521.1
57.5°	7934.3	7793.1	7351.0	7239.9	7429.7	7683.2	8639.9	9186.9	10338.4	12105.6
60°	8137.8	7995.5	7535.9	7391.0	7650.8	8199.0	9447.9	9997.4	10980.3	12626.4
62.5°	8177.8	8060.4	7683.2	7682.0	7950.5	8801.0	10404.6	10815.5	11541.1	13140.9
65°	7485.9	7412.2	7188.7	7670.7	8380.1	9667.7	11469.9	11862.0	12254.2	13590.5
67.5°	5697.5	5707.5	5691.2	6621.7	8032.9	10912.9	13012.3	12982.3	13134.7	14095.1
70°	2605.2	2663.9	3046.1	4571.0	6435.6	11056.5	15562.5	15174.1	14240.0	14748.3
72.5°	1407.5	1452.5	1608.6	2214.3	3869.1	9830.1	17468.4	17744.4	15709.9	15187.9
75°	1032.8	1057.8	1166.5	1407.5	1624.8	7306.1	16785.2	18201.5	15893.5	14162.5
77.5°	773.1	784.3	873.0	1115.3	831.8	3851.6	13411.9	15074.2	13605.5	11636.0
80°	560.8	573.2	639.4	836.8	583.2	1408.8	9209.4	10580.7	9318.0	7417.2
82.5°	387.2	392.2	420.9	569.5	407.1	547.0	5225.4	6204.5	5201.7	2602.7
85°	233.5	239.8	252.3	332.2	231.0	259.8	2255.5	2332.9	1554.9	622.0
87.5°	96.2	102.4	112.4	139.9	91.2	72.4	372.2	467.1	291.0	182.3
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°
4261.2	0°	4261.2	4261.2	4261.2	4261.2	4261.2	4261.2	4261.2	4261.2	4261.2	4261.2
4273.7	2.5°	4267.5	4258.7	4235.0	4202.5	4172.6	4135.1	4118.9	4105.1	4092.6	4068.9
4307.5	5°	4293.7	4270.0	4206.3	4123.9	4030.2	3927.8	3827.9	3759.2	3700.5	3656.8
4346.2	7.5°	4333.7	4288.7	4172.6	4004.0	3789.2	3569.4	3370.8	3229.7	3123.5	3084.8
4401.1	10°	4374.9	4321.2	4118.9	3821.6	3450.7	3112.3	2848.7	2703.9	2618.9	2591.5
4466.1	12.5°	4423.6	4344.9	4035.2	3568.1	3072.3	2701.4	2471.6	2386.6	2342.9	2327.9
4546.0	15°	4494.8	4364.9	3909.1	3250.9	2711.4	2401.6	2253.0	2194.3	2171.8	2170.6
4628.4	17.5°	4548.5	4368.7	3713.0	2911.2	2434.1	2220.5	2098.2	2075.7	2090.7	2113.1
4709.6	20°	4608.4	4334.9	3455.7	2601.5	2239.3	2061.9	2010.7	2025.7	2061.9	2094.4
4817.0	22.5°	4650.9	4273.7	3144.7	2360.4	2070.7	1970.8	1968.3	1999.5	2019.5	2035.7
4943.1	25°	4688.4	4170.1	2815.0	2158.1	1932.0	1915.8	1943.3	1933.3	1919.6	1933.3
5069.3	27.5°	4715.8	4006.5	2520.3	1980.8	1834.6	1878.3	1862.1	1839.6	1838.4	1845.9
5217.9	30°	4707.1	3787.9	2278.0	1812.2	1765.9	1808.4	1769.7	1765.9	1762.2	1765.9
5441.5	32.5°	4707.1	3539.4	2091.9	1696.0	1722.2	1706.0	1702.3	1693.5	1678.5	1677.3
5744.9	35°	4733.3	3290.9	1932.0	1633.6	1686.0	1647.3	1649.8	1628.6	1597.3	1582.4
6147.1	37.5°	4787.0	3091.0	1773.4	1603.6	1622.3	1621.1	1611.1	1574.9	1519.9	1472.5
6649.1	40°	4916.9	3032.3	1664.8	1589.8	1592.3	1607.3	1581.1	1511.2	1386.3	1308.8
7158.7	42.5°	5120.5	3131.0	1641.1	1556.1	1572.4	1587.4	1536.1	1373.8	1285.1	1238.9
7693.2	45°	5379.0	3303.3	1692.3	1507.4	1524.9	1551.1	1398.8	1321.3	1281.4	1282.6
8222.8	47.5°	5706.2	3484.4	1787.2	1465.0	1456.2	1471.2	1307.6	1260.1	1205.2	1218.9
8731.1	50°	6084.6	3668.0	1877.1	1407.5	1380.0	1331.3	1248.9	1203.9	1134.0	1101.5
9221.9	52.5°	6494.3	3845.4	1913.3	1337.6	1297.6	1241.4	1208.9	1154.0	1069.1	1015.4
9685.2	55°	6882.7	4006.5	1873.3	1253.9	1215.2	1171.5	1166.5	1132.8	1041.6	966.6
10097.4	57.5°	7249.9	4141.4	1773.4	1169.0	1131.5	1105.3	1139.0	1122.8	1007.9	911.7
10487.0	60°	7560.8	4233.8	1628.6	1082.8	1056.6	1042.8	1094.0	1089.0	960.4	853.0
10836.7	62.5°	7808.1	4270.0	1468.7	1000.4	994.1	969.1	1031.6	1031.6	900.5	795.5
11143.9	65°	8001.7	4235.0	1306.3	919.2	931.7	894.2	955.4	947.9	836.8	744.3
11497.4	67.5°	8172.8	4120.1	1126.5	839.3	868.0	820.5	875.5	858.0	766.8	693.1
11803.3	70°	8249.0	3852.9	921.7	759.3	794.3	748.1	795.5	763.1	688.1	638.2
11467.4	72.5°	7637.0	3202.2	725.6	675.7	705.6	668.2	709.4	671.9	603.2	580.7
9902.5	75°	6318.2	2402.9	558.3	584.5	607.0	578.2	605.7	578.2	515.8	532.0
7314.8	77.5°	4588.5	1622.3	427.1	488.3	498.3	483.3	507.1	475.8	419.6	415.9
3645.5	80°	2281.7	950.4	334.7	385.9	382.2	372.2	399.6	384.7	337.2	357.2
984.1	82.5°	660.7	407.1	243.5	271.0	263.5	266.0	286.0	293.5	439.6	435.9
306.0	85°	207.3	159.9	146.1	151.1	143.6	147.4	168.6	334.7	309.7	181.1
94.9	87.5°	53.7	55.0	36.2	38.7	40.0	47.5	53.7	203.6	97.4	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>
4261.2
4057.7
3620.6
3017.3
2549.0
2331.7
2175.6
2121.9
2105.6
2044.4
1942.0
1858.4
1779.7
1693.5
1597.3
1488.7
1318.8
1238.9
1288.9
1253.9
1110.3
1014.1
966.6
906.7
849.3
791.8
739.3
688.1
628.2
562.0
485.8
397.2
353.4
445.9
196.1
67.4
0.0

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