

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: P942786

Luminaire Tested: **GALN-SB6D-950-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942786  
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-SB6D-950-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

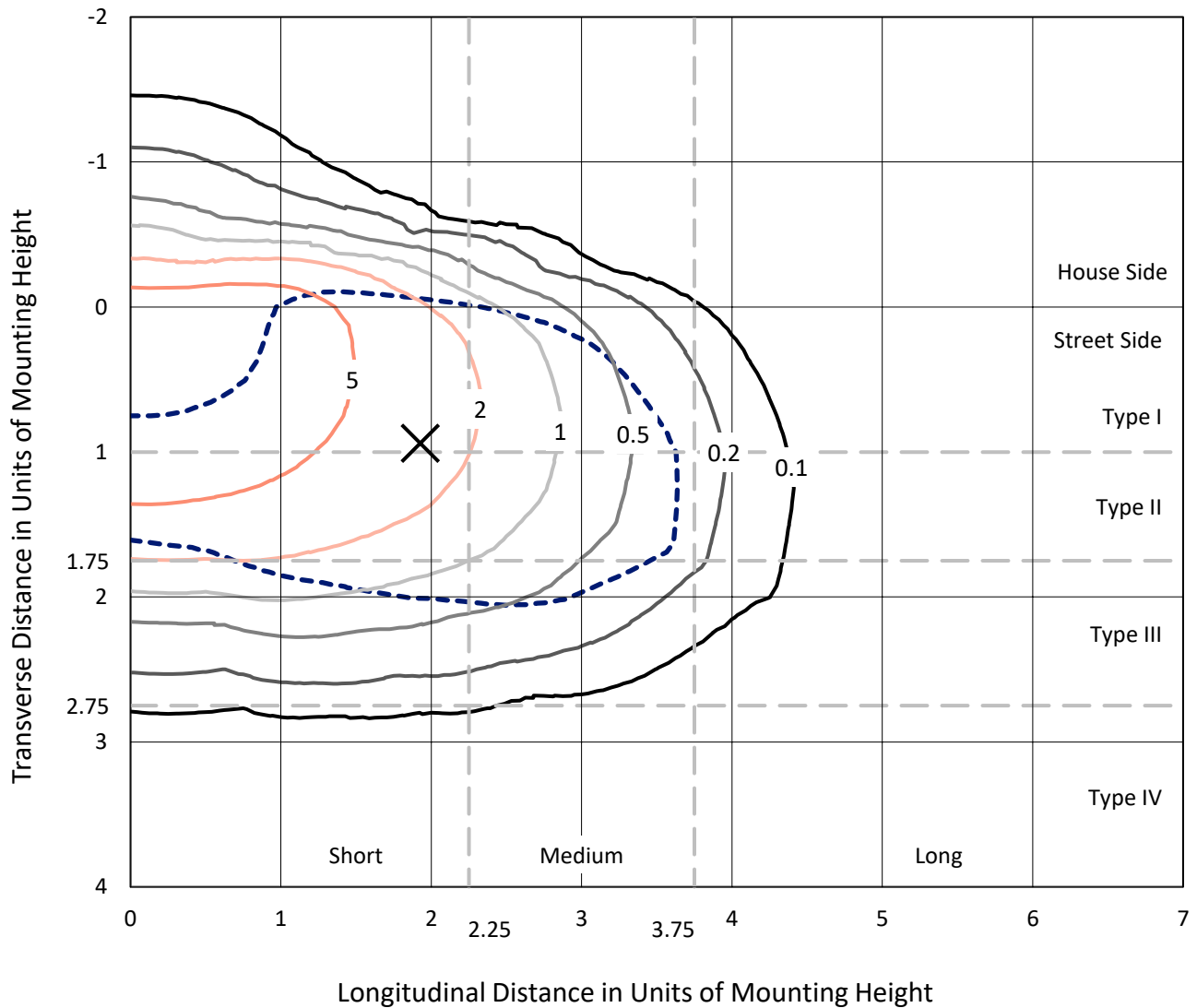
Lumens per Lamp: N/A  
Luminaire Lumens: 33667 lumens  
Efficiency: N/A  
Efficacy: 76.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

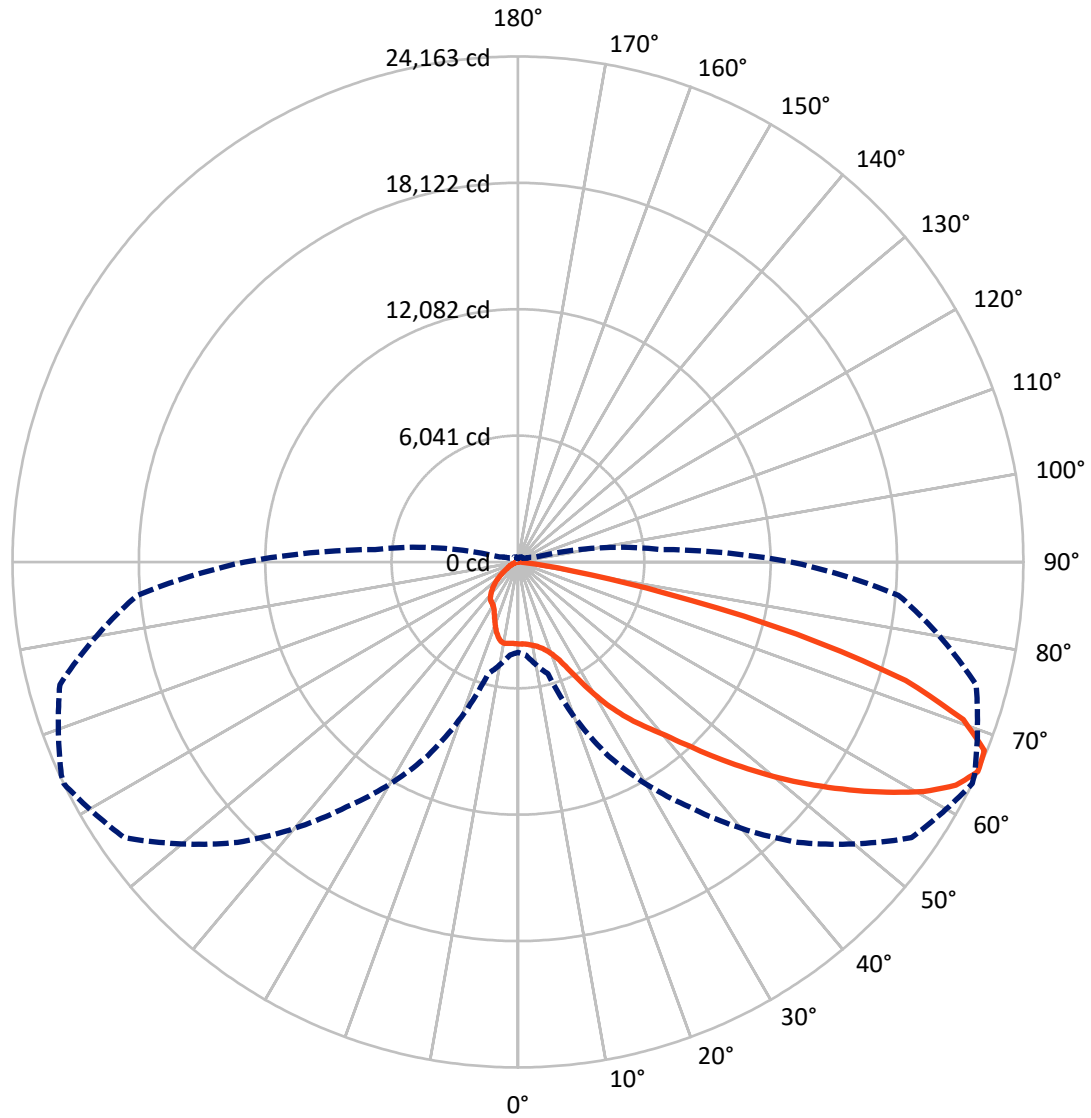
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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
<b>House Side</b>	Lumens	4502.3	0.0	4502.3
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	29164.7	0.0	29164.7
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	33667.0	0.0	33667.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.3	1.1
10°-20°	979.9	2.9
20°-30°	1856.8	5.5
30°-40°	3757.3	11.2
40°-50°	6400.5	19.0
50°-60°	8704.2	25.9
60°-70°	8173.7	24.3
70°-80°	3274.7	9.7
80°-90°	158.7	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°	33667.0	100.0
0°-180°	33667.0	100.0

**Coefficient of Utilization**



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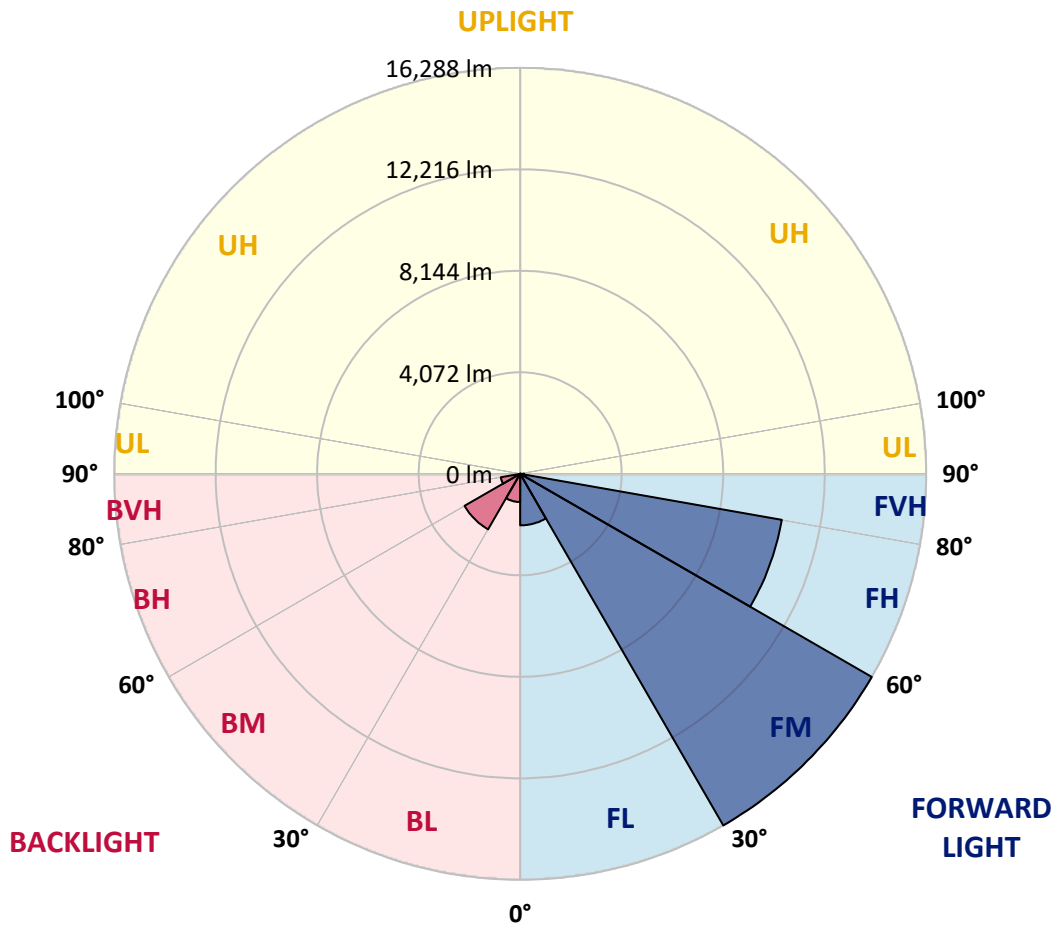
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2067.5	6.1			
FM (30°-60°)	16288.1	48.4			
FH (60°-80°)	10658.2	31.7			G4/12000
FVH (80°-90°)	150.9	0.4			G2/225
BL (0°-30°)	1130.4	3.4	B3/2500		
BM (30°-60°)	2573.9	7.6	B3/5000		
BH (60°-80°)	790.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3915.8	3915.8	3915.8	3915.8	3915.8	3915.8	3915.8	3915.8	3915.8	3915.8
2.5°	3902.3	3929.4	3922.6	3915.8	3913.6	3918.1	3920.3	3918.1	3918.1	3918.1
5°	3827.8	3850.4	3850.4	3866.2	3888.7	3915.8	3936.1	3940.6	3945.2	3951.9
7.5°	3685.6	3703.7	3717.2	3769.1	3825.5	3897.8	3958.7	3990.3	3994.8	4019.6
10°	3588.6	3611.1	3633.7	3687.9	3769.1	3877.5	3981.3	4058.0	4069.3	4128.0
12.5°	3584.0	3606.6	3636.0	3694.6	3789.4	3904.5	4030.9	4141.5	4161.8	4247.6
15°	3631.4	3658.5	3685.6	3757.8	3859.4	3999.3	4134.7	4272.4	4292.7	4414.6
17.5°	3728.5	3764.6	3784.9	3857.1	3965.5	4121.2	4299.5	4457.5	4475.5	4617.7
20°	3920.3	3963.2	3970.0	4028.7	4134.7	4301.8	4513.9	4710.3	4732.8	4895.3
22.5°	4317.6	4378.5	4324.3	4353.7	4448.5	4615.5	4845.7	5094.0	5125.6	5310.6
25°	5017.2	5103.0	4963.1	4913.4	4954.0	5127.8	5416.7	5730.4	5766.5	5915.5
27.5°	6391.7	6281.1	6069.0	5861.3	5739.4	5838.7	6163.8	6551.9	6597.1	6741.5
30°	7901.6	7804.6	7517.9	7057.5	6768.6	6752.8	7053.0	7486.3	7538.2	7675.9
32.5°	9413.8	9321.2	9009.8	8443.3	7942.2	7694.0	7901.6	8382.3	8409.4	8497.4
35°	10901.1	10806.3	10494.9	9914.8	9298.7	8734.4	8693.8	9235.5	9244.5	9337.0
37.5°	12397.5	12318.5	11986.7	11417.9	10810.8	10032.2	9655.3	10043.5	10054.7	10145.0
40°	13465.0	13498.9	13270.9	12830.8	12309.4	11458.6	10734.1	10903.4	10835.7	10986.9
42.5°	14381.3	14449.0	14250.4	14029.2	13726.8	12977.5	12070.2	12040.9	11932.5	12013.8
45°	15173.5	15230.0	15051.7	14999.7	14993.0	14467.1	13530.5	13354.4	13203.2	13187.4
47.5°	15464.7	15573.0	15649.7	15823.5	16162.1	15940.9	15040.4	14767.3	14598.0	14473.9
50°	15575.3	15690.4	15952.2	16457.7	17259.0	17353.7	16543.5	16236.6	16028.9	15803.2
52.5°	15426.3	15631.7	15983.8	16834.6	17997.0	18486.7	17985.7	17717.1	17480.1	17112.3
55°	14548.3	14753.7	15473.7	16830.1	18364.9	19281.2	19348.9	19229.3	18963.0	18382.9
57.5°	12697.6	13002.3	14142.1	16256.9	18358.1	19965.0	20685.0	20770.8	20472.9	19642.3
60°	10133.7	10546.8	11937.0	14986.2	17791.6	20335.2	21856.4	22285.2	21969.2	20883.6
62.5°	7071.0	7549.5	8865.3	12995.6	16496.1	20068.9	22711.8	23504.0	23264.7	21994.1
65°	4313.0	4466.5	5527.3	10226.3	14293.3	18953.9	22975.8	24163.0	24084.0	22673.4
67.5°	2873.1	3001.8	3306.4	7012.4	11095.2	16726.3	22343.9	24047.9	24070.5	22562.8
70°	1731.1	1841.7	2040.3	4078.3	7190.7	13239.3	20387.1	22580.9	22711.8	21084.5
72.5°	713.2	787.7	968.2	1848.4	3724.0	8402.7	16234.3	19387.3	19692.0	17728.4
75°	404.0	442.4	568.8	927.6	1616.0	3915.8	9833.6	13762.9	14212.1	12219.2
77.5°	268.6	286.6	367.9	600.4	909.6	1336.1	4202.5	7170.4	8028.0	6673.8
80°	180.6	196.4	252.8	401.7	591.3	573.3	1338.4	2656.4	3268.1	2293.1
82.5°	121.9	124.1	180.6	264.1	374.7	277.6	395.0	826.0	1038.2	663.5
85°	70.0	67.7	133.2	153.5	167.0	115.1	119.6	248.3	325.0	279.9
87.5°	9.0	13.5	51.9	40.6	22.6	24.8	24.8	42.9	63.2	67.7
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°
3915.8	0°	3915.8	3915.8	3915.8	3915.8	3915.8	3915.8	3915.8	3915.8	3915.8	3915.8
3920.3	2.5°	3920.3	3918.1	3911.3	3904.5	3888.7	3879.7	3884.2	3879.7	3877.5	3879.7
3949.7	5°	3949.7	3942.9	3924.8	3902.3	3870.7	3832.3	3807.5	3771.4	3737.5	3717.2
4028.7	7.5°	4028.7	4021.9	3997.1	3933.9	3832.3	3672.1	3525.4	3396.7	3299.7	3243.2
4155.1	10°	4155.1	4143.8	4105.4	3965.5	3699.2	3349.3	3058.2	2816.7	2658.7	2584.2
4304.0	12.5°	4304.0	4290.5	4222.8	3936.1	3446.4	2900.2	2498.5	2229.9	2083.2	2017.7
4475.5	15°	4480.1	4462.0	4328.8	3796.2	3078.5	2403.7	2035.8	1834.9	1740.1	1681.4
4694.5	17.5°	4699.0	4667.4	4407.8	3586.3	2679.0	2024.5	1751.4	1600.2	1516.7	1460.3
4981.1	20°	4983.4	4931.5	4471.0	3335.8	2311.1	1785.3	1559.6	1433.2	1370.0	1320.3
5387.4	22.5°	5380.6	5306.1	4547.8	3064.9	2051.6	1620.5	1417.4	1324.8	1272.9	1216.5
5953.9	25°	5872.6	5784.6	4642.6	2814.4	1873.3	1478.3	1313.5	1236.8	1175.9	1110.4
6696.4	27.5°	6561.0	6403.0	4755.4	2609.0	1719.8	1356.4	1218.8	1133.0	1063.0	1008.9
7538.2	30°	7328.3	7068.8	4854.7	2484.9	1579.9	1243.6	1094.6	1008.9	943.4	905.0
8294.3	32.5°	8055.1	7703.0	4920.2	2430.7	1453.5	1114.9	959.2	866.7	817.0	805.7
9034.6	35°	8741.2	8276.3	4913.4	2378.8	1340.6	986.3	826.0	731.3	692.9	699.7
9831.3	37.5°	9531.1	8887.9	4866.0	2297.6	1248.1	868.9	710.9	627.4	593.6	595.8
10799.5	40°	10449.7	9594.3	4836.7	2144.1	1146.5	760.6	616.1	548.4	523.6	514.6
11819.7	42.5°	11429.2	10278.2	4841.2	1970.3	1020.1	663.5	550.7	494.3	471.7	464.9
12954.9	45°	12413.3	10930.4	4847.9	1789.8	887.0	589.1	503.3	455.9	442.4	433.3
14106.0	47.5°	13338.6	11485.7	4721.6	1595.7	756.1	532.6	464.9	433.3	422.1	410.8
15261.5	50°	14200.8	11855.8	4416.9	1370.0	652.3	487.5	435.6	413.0	401.7	390.5
16308.8	52.5°	14871.1	11914.5	3913.6	1137.5	580.0	453.6	417.5	397.2	383.7	372.4
17155.1	55°	15169.0	11546.6	3198.1	920.8	523.6	424.3	399.5	379.2	363.4	352.1
17820.9	57.5°	15092.3	10772.5	2493.9	740.3	469.4	395.0	376.9	363.4	345.3	327.3
18360.4	60°	14715.4	9736.5	1880.0	616.1	419.8	363.4	352.1	340.8	316.0	288.9
18568.0	62.5°	14063.1	8434.3	1340.6	510.1	365.6	327.3	322.7	313.7	277.6	228.0
18261.0	65°	13065.5	6852.1	902.8	424.3	313.7	286.6	288.9	273.1	225.7	169.3
17137.1	67.5°	11607.5	5010.4	577.8	347.6	261.8	239.2	241.5	232.5	191.8	144.4
15006.5	70°	9750.1	3317.7	376.9	264.1	209.9	185.1	198.6	200.9	162.5	117.4
11517.3	72.5°	7147.8	1959.0	264.1	196.4	153.5	128.6	162.5	167.0	130.9	88.0
6928.9	75°	4073.8	929.9	198.6	142.2	94.8	90.3	126.4	126.4	90.3	58.7
2999.5	77.5°	1710.8	388.2	139.9	92.5	54.2	51.9	85.8	79.0	45.1	27.1
731.3	80°	494.3	173.8	74.5	45.1	22.6	20.3	33.9	24.8	11.3	4.5
277.6	82.5°	194.1	76.7	29.3	18.1	9.0	9.0	4.5	0.0	0.0	0.0
158.0	85°	115.1	31.6	13.5	6.8	2.3	0.0	0.0	0.0	0.0	0.0
33.9	87.5°	29.3	6.8	4.5	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

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<u>180°</u>
3915.8
3888.7
3721.7
3245.5
2577.4
2010.9
1683.7
1455.7
1311.3
1207.5
1103.7
997.6
898.3
812.5
699.7
604.9
512.3
462.7
433.3
410.8
390.5
370.1
349.8
325.0
284.4
223.4
164.8
137.7
112.8
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