

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: P953329

Luminaire Tested: **GALN-SB6D-930-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-930-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32807 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

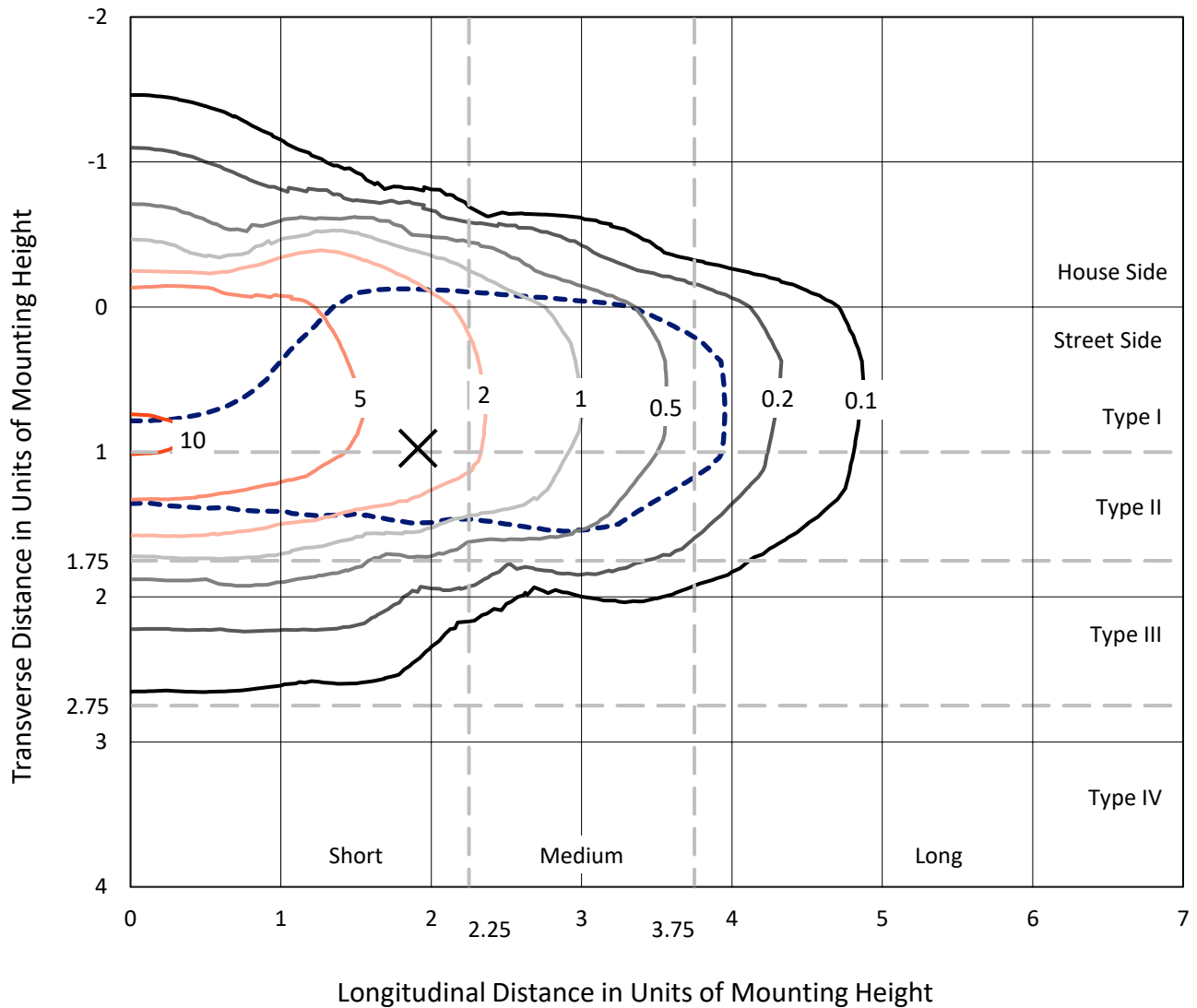
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

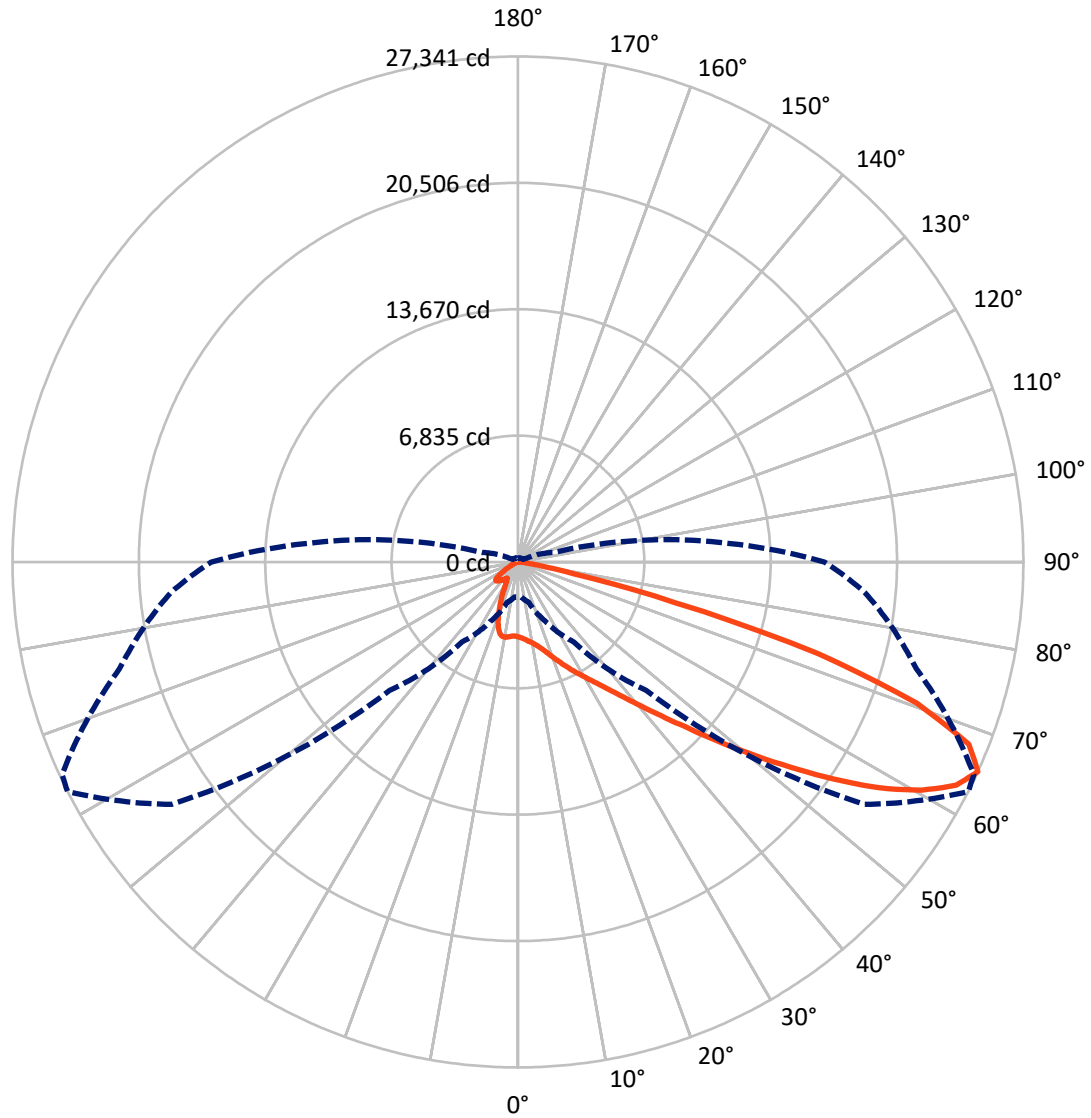
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4822.4	0.0	4822.4
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	27984.6	0.0	27984.6
	% Fixture	85.3	0.0	85.3
Total	Lumens	32807.0	0.0	32807.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.5	1.2
10°-20°	1058.5	3.2
20°-30°	1843.1	5.6
30°-40°	3322.0	10.1
40°-50°	6588.6	20.1
50°-60°	8974.8	27.4
60°-70°	7163.6	21.8
70°-80°	3241.7	9.9
80°-90°	233.0	0.7
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°	32807.0	100.0
0°-180°	32807.0	100.0

Coefficient of Utilization



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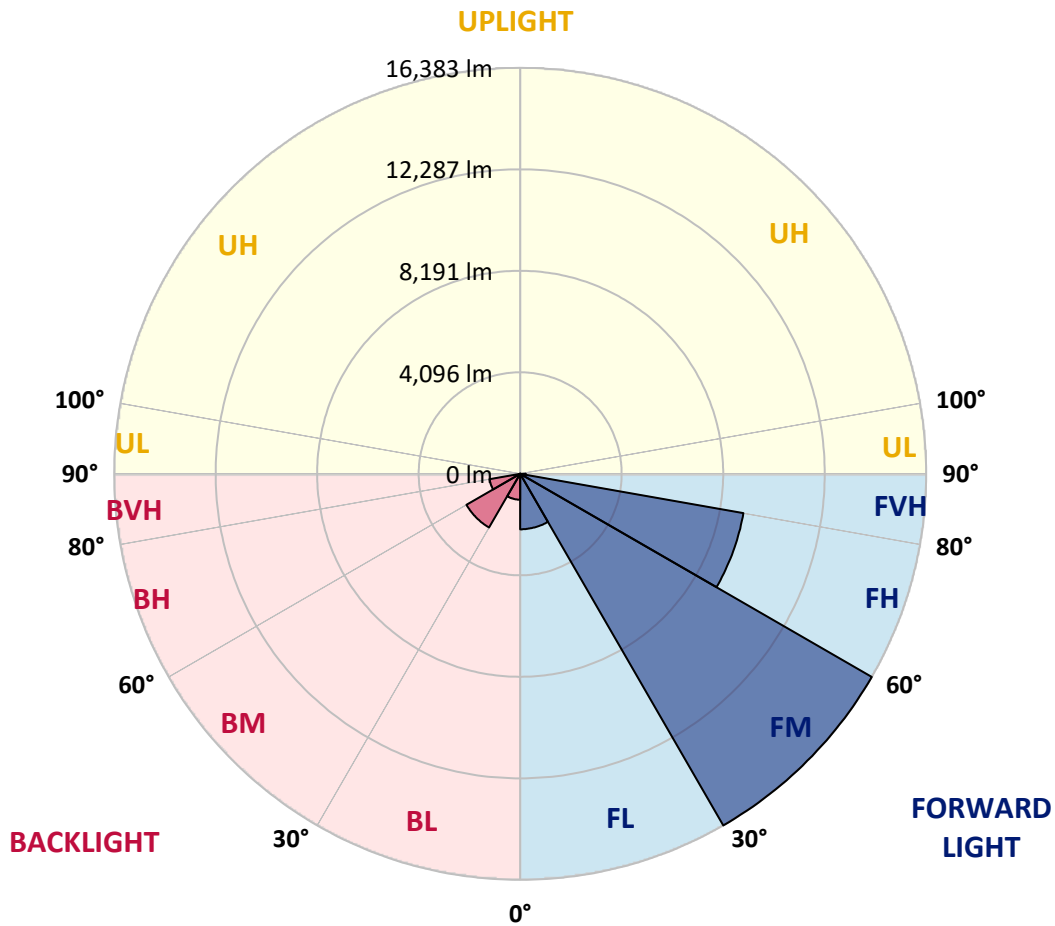
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2239.5	6.8			
FM (30°-60°)	16383.0	49.9			
FH (60°-80°)	9146.4	27.9			G4/12000
FVH (80°-90°)	215.7	0.7			G2/225
BL (0°-30°)	1043.6	3.2	B3/2500		
BM (30°-60°)	2502.5	7.6	B3/5000		
BH (60°-80°)	1258.9	3.8	B3/2500		G3/2500
BVH (80°-90°)	17.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	4049.0	4049.0	4049.0	4049.0	4049.0	4049.0	4049.0	4049.0	4049.0	4049.0
2.5°	4143.8	4132.5	4148.3	4141.5	4137.0	4128.0	4123.5	4119.0	4109.9	4103.2
5°	4155.1	4148.3	4164.1	4177.7	4191.2	4204.7	4211.5	4220.5	4211.5	4193.4
7.5°	4060.3	4055.8	4089.6	4130.3	4191.2	4243.1	4299.5	4331.1	4333.4	4326.6
10°	4053.5	4042.2	4076.1	4125.7	4204.7	4297.3	4396.6	4464.3	4473.3	4502.7
12.5°	4159.6	4148.3	4195.7	4249.9	4331.1	4428.2	4550.1	4644.8	4658.4	4699.0
15°	4337.9	4322.1	4376.3	4446.2	4550.1	4660.6	4789.3	4875.1	4886.3	4936.0
17.5°	4545.5	4529.7	4592.9	4667.4	4780.3	4931.5	5080.4	5175.2	5188.8	5220.4
20°	4811.9	4791.5	4841.2	4908.9	5028.5	5209.1	5387.4	5522.8	5520.5	5520.5
22.5°	5121.1	5089.5	5132.3	5186.5	5299.4	5518.3	5755.3	5915.5	5915.5	5852.3
25°	5452.8	5421.2	5468.6	5518.3	5617.6	5865.9	6143.5	6342.1	6351.1	6242.8
27.5°	5868.1	5827.5	5863.6	5922.3	5981.0	6233.8	6563.3	6793.5	6798.0	6631.0
30°	6667.1	6552.0	6439.1	6375.9	6403.0	6653.5	7005.6	7260.7	7283.2	7053.0
32.5°	8129.6	8107.0	7709.8	7190.7	6919.9	7104.9	7499.9	7806.9	7820.4	7524.7
35°	10402.4	10375.3	9736.6	8748.0	7865.5	7709.8	8100.3	8463.6	8454.6	8120.6
37.5°	13115.3	13090.4	12248.6	10926.0	9497.3	8623.9	8874.4	9255.8	9312.3	8874.4
40°	15433.2	15340.6	14808.0	13532.8	11664.0	10140.6	9975.8	10228.6	10287.3	9768.2
42.5°	17189.1	17110.1	16839.3	16042.5	14286.6	12384.0	11273.6	11370.6	11436.1	10813.1
45°	18098.6	18080.6	18188.9	18114.4	16958.9	15137.5	13128.8	12724.8	12749.6	11971.0
47.5°	18227.3	18218.3	18712.5	19412.2	19256.5	18243.1	15509.9	14413.0	14325.0	13277.8
50°	17468.9	17450.9	18398.8	19710.1	20791.2	20852.1	18213.7	16315.6	16121.5	14629.7
52.5°	15047.2	15042.7	16600.0	18782.5	21330.6	23136.2	20886.0	18405.6	18080.6	16060.6
55°	11578.3	11661.8	13447.0	16026.7	20346.6	24235.3	23285.2	20725.8	20227.0	17500.5
57.5°	8201.8	8323.7	10088.7	12386.2	17295.2	23585.3	24907.9	23050.4	22513.3	18936.0
60°	4405.6	4513.9	6281.1	9023.4	12867.0	21161.3	25763.3	25068.2	24560.3	20299.2
62.5°	2624.9	2661.0	3392.2	5825.2	8702.9	16166.7	25399.9	26605.2	26187.6	21443.5
65°	1884.6	1891.3	2259.2	3557.0	5283.6	9822.3	22851.8	27340.9	27212.3	22305.6
67.5°	1586.6	1582.1	1735.6	2363.0	3599.9	4920.2	17514.1	26300.5	26846.7	22851.8
70°	1361.0	1367.7	1548.3	1731.1	2706.1	2785.1	8707.4	22899.2	24063.8	22996.3
72.5°	1013.4	1035.9	1203.0	1577.6	2042.6	1916.2	3006.3	16979.2	19084.9	21666.9
75°	715.5	726.7	846.4	1327.1	1523.5	1394.8	1534.7	8777.4	11476.7	16611.3
77.5°	550.7	571.0	641.0	927.6	1500.9	979.5	938.9	3037.9	4667.4	10034.5
80°	297.9	334.0	462.7	670.3	1054.0	692.9	464.9	1209.7	1582.1	4692.2
82.5°	153.5	171.5	322.7	483.0	600.4	604.9	230.2	503.3	652.3	1449.0
85°	60.9	74.5	216.7	266.3	309.2	297.9	103.8	203.1	234.7	401.7
87.5°	13.5	22.6	79.0	60.9	58.7	63.2	24.8	47.4	45.1	47.4
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°
4049.0	0°	4049.0	4049.0	4049.0	4049.0	4049.0	4049.0	4049.0	4049.0	4049.0	4049.0
4076.1	2.5°	4073.8	4064.8	4040.0	4012.9	3981.3	3963.2	3952.0	3949.7	3933.9	3922.6
4166.4	5°	4141.5	4132.5	4085.1	4028.7	3967.8	3920.4	3875.2	3834.6	3775.9	3764.6
4297.3	7.5°	4277.0	4252.1	4175.4	4098.7	3983.6	3845.9	3678.9	3487.0	3315.5	3263.6
4471.1	10°	4444.0	4410.1	4313.1	4177.7	3922.6	3548.0	3144.0	2769.3	2471.4	2387.9
4676.4	12.5°	4633.6	4604.2	4475.6	4225.0	3667.6	2988.2	2369.8	1904.9	1616.0	1543.8
4895.4	15°	4859.3	4816.4	4638.1	4152.8	3211.7	2270.5	1627.3	1351.9	1248.1	1234.6
5145.9	17.5°	5098.5	5028.5	4782.5	3893.3	2597.8	1613.7	1257.1	1178.1	1133.0	1119.5
5398.7	20°	5317.4	5227.1	4868.3	3500.6	1941.0	1257.1	1126.2	1074.3	1033.7	1017.9
5651.5	22.5°	5536.3	5407.7	4868.3	2965.7	1455.7	1114.9	1033.7	986.3	938.9	918.6
5922.3	25°	5764.3	5592.8	4782.5	2369.8	1171.4	1022.4	945.7	893.8	853.1	828.3
6179.6	27.5°	5985.5	5748.5	4586.2	1805.6	1042.7	941.2	864.4	814.8	776.4	758.3
6459.4	30°	6195.4	5902.0	4310.8	1370.0	959.2	862.2	789.9	747.1	708.7	690.6
6822.8	32.5°	6479.8	6096.1	4017.4	1124.0	887.0	787.7	722.2	681.6	647.8	634.2
7294.5	35°	6874.7	6382.7	3764.6	1103.7	826.1	726.7	661.3	622.9	589.1	577.8
7903.9	37.5°	7434.5	6845.4	3631.5	1239.1	776.4	672.6	611.6	571.0	539.4	530.4
8678.0	40°	8125.1	7472.8	3703.7	1374.5	742.5	625.2	566.5	525.9	498.8	487.5
9567.3	42.5°	8944.4	8247.0	4103.2	1478.3	720.0	584.6	523.6	478.5	460.4	455.9
10576.2	45°	9885.5	9097.8	4714.8	1588.9	683.9	546.2	480.7	446.9	433.3	431.1
11673.0	47.5°	10955.3	10032.2	5423.5	1726.6	647.8	510.1	446.9	424.3	413.0	408.5
12817.3	50°	12016.1	10973.4	6152.5	1803.3	618.4	476.2	419.8	401.7	392.7	390.5
14027.1	52.5°	13126.5	11941.6	6741.6	1731.1	593.6	449.1	397.2	383.7	374.7	372.4
15142.0	55°	14185.1	12724.8	6843.1	1469.3	543.9	422.1	372.4	365.6	354.3	354.3
16272.8	57.5°	15096.9	13117.5	6125.4	1078.8	494.3	381.4	347.6	340.8	331.8	329.5
17292.9	60°	15934.2	13004.7	4728.4	726.7	440.1	340.8	316.0	311.5	302.4	291.1
18179.9	62.5°	16405.9	12508.1	3234.2	474.0	385.9	297.9	279.9	277.6	257.3	234.7
18836.7	65°	16584.2	11488.0	2017.7	345.3	322.7	255.0	241.5	237.0	207.6	182.8
19209.1	67.5°	16428.5	9808.8	1017.9	273.1	255.0	212.2	198.6	198.6	178.3	155.7
19186.5	70°	15805.6	7353.2	428.8	218.9	196.4	162.5	162.5	171.5	151.2	126.4
18191.2	72.5°	14453.6	4947.3	228.0	167.0	146.7	115.1	133.2	139.9	119.6	94.8
14889.2	75°	11490.2	3017.6	158.0	124.1	92.5	81.3	101.6	106.1	81.3	63.2
10208.3	77.5°	7858.8	1733.4	106.1	79.0	58.7	47.4	70.0	65.5	42.9	29.3
3936.2	80°	3450.9	722.2	60.9	36.1	22.6	18.1	24.8	18.1	13.5	9.0
539.4	82.5°	404.0	169.3	22.6	13.5	9.0	4.5	2.3	0.0	0.0	0.0
164.8	85°	83.5	20.3	11.3	4.5	2.3	0.0	0.0	0.0	0.0	0.0
29.3	87.5°	15.8	4.5	2.3	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>
4049.0
3933.9
3760.1
3238.8
2356.3
1523.5
1221.0
1112.7
1008.9
907.3
819.3
758.3
692.9
634.2
577.8
528.1
485.2
455.9
428.8
408.5
390.5
372.4
352.1
327.3
288.9
230.2
180.6
153.5
124.1
94.8
60.9
31.6
9.0
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