

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: P954463

Luminaire Tested: **GALN-SB7C-950-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954463  
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-SB7C-950-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

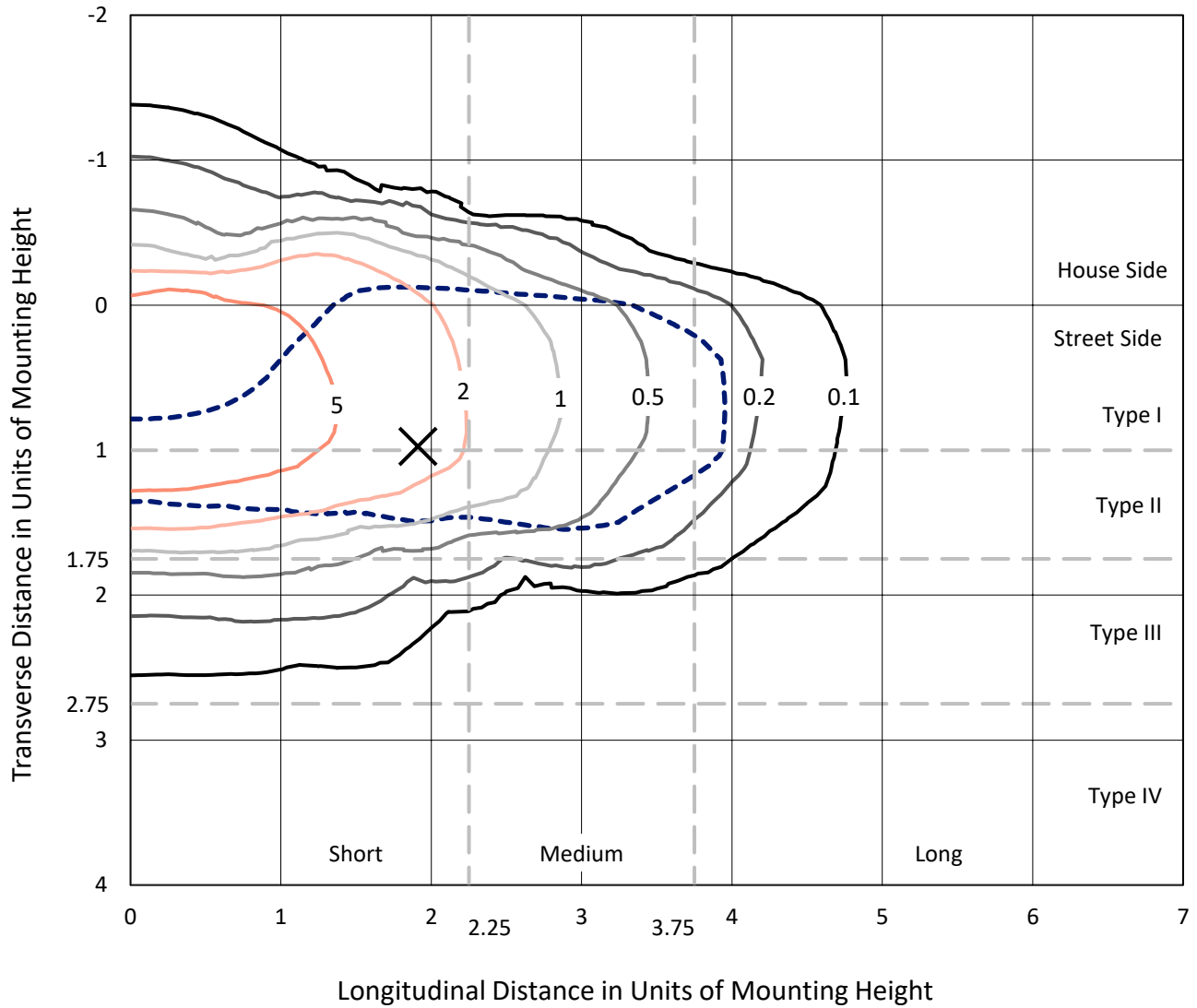
Lumens per Lamp: N/A  
Luminaire Lumens: 28316 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

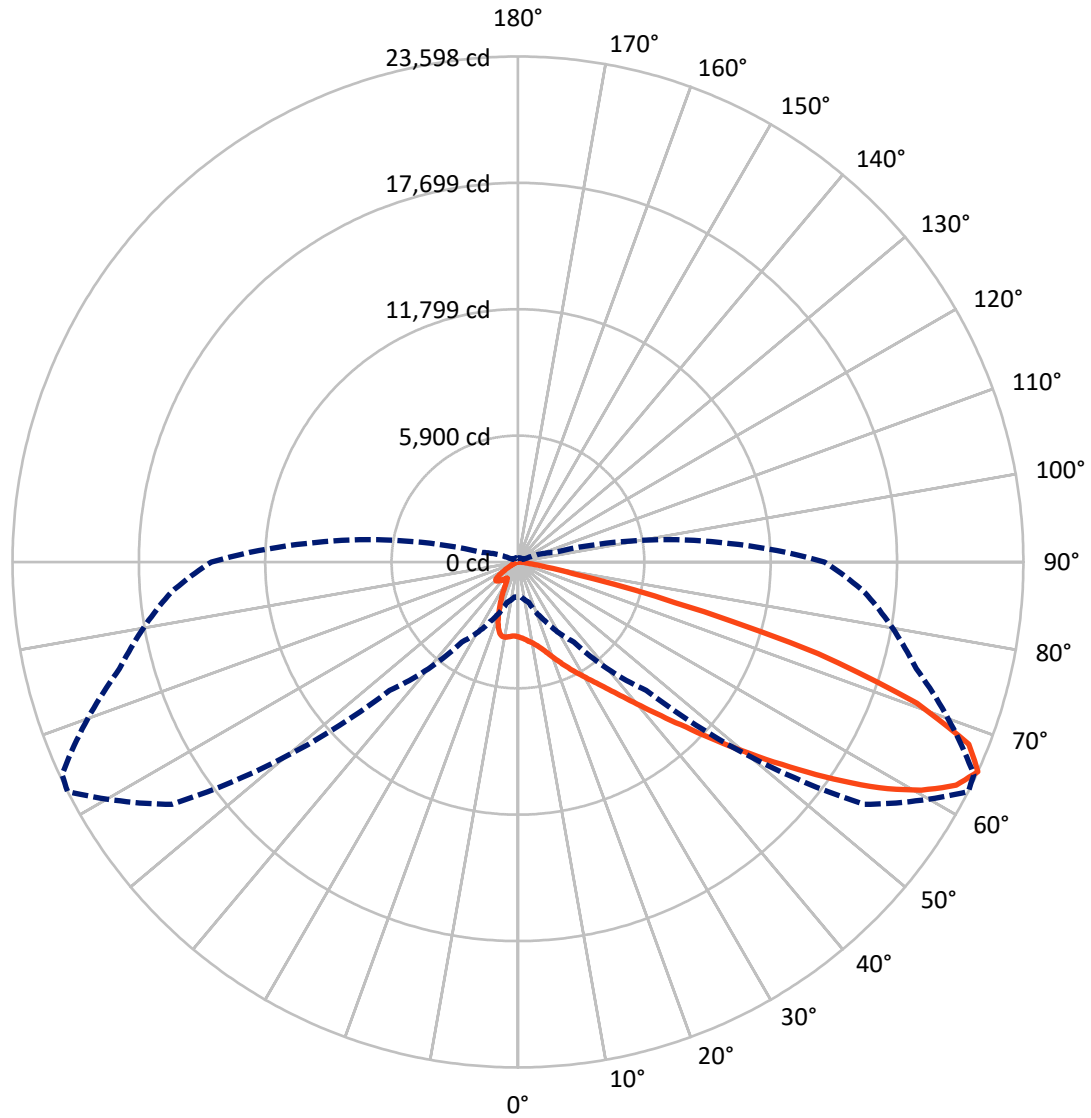
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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
<b>House Side</b>	Lumens	4162.2	0.0	4162.2
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	24153.8	0.0	24153.8
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	28316.0	0.0	28316.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	329.3	1.2
10°-20°	913.6	3.2
20°-30°	1590.8	5.6
30°-40°	2867.3	10.1
40°-50°	5686.7	20.1
50°-60°	7746.3	27.4
60°-70°	6183.0	21.8
70°-80°	2797.9	9.9
80°-90°	201.1	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°	28316.0	100.0
0°-180°	28316.0	100.0

**Coefficient of Utilization**



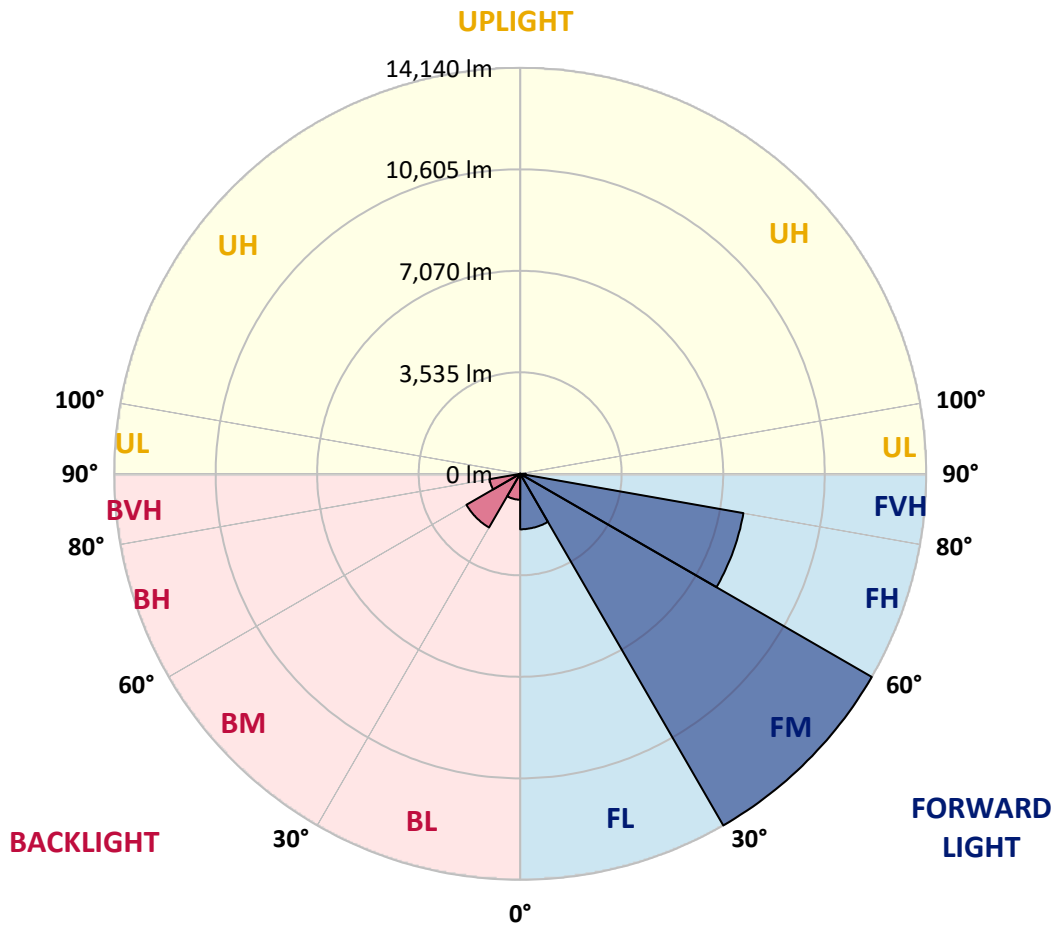
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1932.9	6.8			
FM (30°-60°)	14140.3	49.9			
FH (60°-80°)	7894.4	27.9			G4/12000
FVH (80°-90°)	186.2	0.7			G2/225
BL (0°-30°)	900.8	3.2	B2/1000		
BM (30°-60°)	2159.9	7.6	B2/2500		
BH (60°-80°)	1086.6	3.8	B3/2500		G3/2500
BVH (80°-90°)	14.9	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°	3494.7	3494.7	3494.7	3494.7	3494.7	3494.7	3494.7	3494.7	3494.7	3494.7
2.5°	3576.5	3566.8	3580.4	3574.6	3570.7	3562.9	3559.0	3555.1	3547.3	3541.5
5°	3586.3	3580.4	3594.1	3605.8	3617.5	3629.1	3635.0	3642.8	3635.0	3619.4
7.5°	3504.5	3500.6	3529.8	3564.9	3617.5	3662.3	3711.0	3738.2	3740.2	3734.3
10°	3498.6	3488.9	3518.1	3561.0	3629.1	3709.0	3794.7	3853.2	3861.0	3886.3
12.5°	3590.2	3580.4	3621.4	3668.1	3738.2	3822.0	3927.2	4009.0	4020.7	4055.8
15°	3744.1	3730.4	3777.2	3837.6	3927.2	4022.6	4133.7	4207.7	4217.4	4260.3
17.5°	3923.3	3909.7	3964.2	4028.5	4125.9	4256.4	4385.0	4466.8	4478.5	4505.7
20°	4153.2	4135.6	4178.5	4236.9	4340.2	4496.0	4649.9	4766.8	4764.8	4764.8
22.5°	4420.0	4392.8	4429.8	4476.5	4573.9	4762.9	4967.4	5105.7	5105.7	5051.2
25°	4706.4	4679.1	4720.0	4762.9	4848.6	5062.9	5302.5	5473.9	5481.7	5388.2
27.5°	5064.8	5029.8	5060.9	5111.6	5162.2	5380.4	5664.8	5863.5	5867.4	5723.3
30°	5754.4	5655.1	5557.7	5503.1	5526.5	5742.7	6046.6	6266.7	6286.2	6087.5
32.5°	7016.7	6997.3	6654.4	6206.4	5972.6	6132.3	6473.2	6738.2	6749.9	6494.7
35°	8978.4	8955.0	8403.7	7550.5	6788.8	6654.4	6991.4	7305.0	7297.2	7008.9
37.5°	11319.9	11298.5	10571.8	9430.3	8197.2	7443.3	7659.6	7988.8	8037.5	7659.6
40°	13320.5	13240.6	12780.9	11680.3	10067.3	8752.4	8610.2	8828.4	8879.0	8431.0
42.5°	14836.0	14767.9	14534.1	13846.5	12330.9	10688.7	9730.3	9814.1	9870.6	9332.9
45°	15621.1	15605.5	15699.0	15634.7	14637.3	13065.3	11331.6	10982.9	11004.3	10332.2
47.5°	15732.1	15724.3	16150.9	16754.8	16620.4	15745.8	13386.7	12440.0	12364.0	11460.1
50°	15077.6	15062.0	15880.2	17012.0	17945.1	17997.7	15720.4	14082.2	13914.6	12627.0
52.5°	12987.4	12983.5	14327.6	16211.3	18410.6	19969.0	18026.9	15886.0	15605.5	13862.0
55°	9993.3	10065.4	11606.2	13832.8	17561.3	20917.7	20097.6	17888.6	17458.1	15104.9
57.5°	7079.1	7184.3	8707.6	10690.7	14927.6	20356.7	21498.2	19895.0	19431.4	16343.8
60°	3802.5	3896.0	5421.3	7788.1	11105.6	18264.5	22236.5	21636.5	21198.2	17520.4
62.5°	2265.5	2296.7	2927.9	5027.8	7511.5	13953.6	21922.9	22963.1	22602.8	18508.0
65°	1626.6	1632.4	1950.0	3070.1	4560.3	8477.7	19723.6	23598.2	23487.2	19252.2
67.5°	1369.5	1365.6	1498.0	2039.6	3107.1	4246.7	15116.6	22700.2	23171.6	19723.6
70°	1174.6	1180.5	1336.3	1494.1	2335.7	2403.8	7515.4	19764.5	20769.7	19848.3
72.5°	874.7	894.1	1038.3	1361.7	1762.9	1653.9	2594.7	14654.9	16472.4	18700.9
75°	617.5	627.3	730.5	1145.4	1314.9	1203.9	1324.6	7575.8	9905.6	14337.4
77.5°	475.3	492.8	553.2	800.6	1295.4	845.4	810.4	2622.0	4028.5	8660.9
80°	257.1	288.3	399.3	578.6	909.7	598.0	401.3	1044.1	1365.6	4049.9
82.5°	132.5	148.0	278.6	416.9	518.2	522.1	198.7	434.4	563.0	1250.6
85°	52.6	64.3	187.0	229.9	266.9	257.1	89.6	175.3	202.6	346.7
87.5°	11.7	19.5	68.2	52.6	50.6	54.5	21.4	40.9	39.0	40.9
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°
3494.7	0°	3494.7	3494.7	3494.7	3494.7	3494.7	3494.7	3494.7	3494.7	3494.7	3494.7
3518.1	2.5°	3516.2	3508.4	3486.9	3463.6	3436.3	3420.7	3411.0	3409.0	3395.4	3385.6
3596.0	5°	3574.6	3566.8	3525.9	3477.2	3424.6	3383.7	3344.7	3309.7	3259.0	3249.3
3709.0	7.5°	3691.5	3670.1	3603.8	3537.6	3438.2	3319.4	3175.3	3009.7	2861.6	2816.8
3859.0	10°	3835.6	3806.4	3722.6	3605.8	3385.6	3062.3	2713.6	2390.2	2133.1	2061.0
4036.3	12.5°	3999.3	3973.9	3862.9	3646.7	3165.5	2579.2	2045.4	1644.1	1394.8	1332.4
4225.2	15°	4194.1	4157.1	4003.2	3584.3	2772.0	1959.7	1404.5	1166.9	1077.2	1065.6
4441.5	17.5°	4400.6	4340.2	4127.8	3360.3	2242.2	1392.8	1085.0	1016.9	977.9	966.2
4659.6	20°	4589.5	4511.6	4201.9	3021.4	1675.3	1085.0	972.1	927.3	892.2	878.6
4877.8	22.5°	4778.5	4667.4	4201.9	2559.7	1256.5	962.3	892.2	851.3	810.4	792.8
5111.6	25°	4975.2	4827.2	4127.8	2045.4	1011.0	882.4	816.2	771.4	736.3	714.9
5333.7	27.5°	5166.1	4961.6	3958.4	1558.4	900.0	812.3	746.1	703.2	670.1	654.5
5575.2	30°	5347.3	5094.0	3720.7	1182.4	827.9	744.1	681.8	644.8	611.7	596.1
5888.8	32.5°	5592.7	5261.6	3467.5	970.1	765.6	679.9	623.4	588.3	559.1	547.4
6296.0	35°	5933.6	5509.0	3249.3	952.6	713.0	627.3	570.8	537.7	508.4	498.7
6821.9	37.5°	6416.7	5908.3	3134.3	1069.5	670.1	580.5	527.9	492.8	465.6	457.8
7490.1	40°	7012.8	6449.9	3196.7	1186.3	640.9	539.6	489.0	453.9	430.5	420.8
8257.6	42.5°	7720.0	7118.0	3541.5	1275.9	621.4	504.5	451.9	413.0	397.4	393.5
9128.4	45°	8532.3	7852.4	4069.4	1371.4	590.2	471.4	414.9	385.7	374.0	372.1
10075.1	47.5°	9455.6	8658.9	4681.1	1490.2	559.1	440.3	385.7	366.2	356.5	352.6
11062.7	50°	10371.2	9471.2	5310.3	1556.5	533.8	411.0	362.3	346.7	339.0	337.0
12106.9	52.5°	11329.6	10306.9	5818.7	1494.1	512.3	387.7	342.8	331.2	323.4	321.4
13069.2	55°	12243.2	10982.9	5906.4	1268.2	469.5	364.3	321.4	315.6	305.8	305.8
14045.2	57.5°	13030.2	11321.8	5286.9	931.1	426.6	329.2	300.0	294.1	286.4	284.4
14925.7	60°	13752.9	11224.4	4081.1	627.3	379.9	294.1	272.7	268.8	261.0	251.3
15691.2	62.5°	14160.1	10795.9	2791.5	409.1	333.1	257.1	241.6	239.6	222.1	202.6
16258.1	65°	14314.0	9915.4	1741.5	298.0	278.6	220.1	208.4	204.5	179.2	157.8
16579.5	67.5°	14179.6	8466.1	878.6	235.7	220.1	183.1	171.4	171.4	153.9	134.4
16560.0	70°	13641.9	6346.6	370.1	189.0	169.5	140.3	140.3	148.0	130.5	109.1
15701.0	72.5°	12475.1	4270.0	196.7	144.2	126.6	99.3	114.9	120.8	103.2	81.8
12851.0	75°	9917.3	2604.5	136.4	107.1	79.9	70.1	87.7	91.6	70.1	54.5
8810.8	77.5°	6783.0	1496.1	91.6	68.2	50.6	40.9	60.4	56.5	37.0	25.3
3397.3	80°	2978.5	623.4	52.6	31.2	19.5	15.6	21.4	15.6	11.7	7.8
465.6	82.5°	348.7	146.1	19.5	11.7	7.8	3.9	1.9	0.0	0.0	0.0
142.2	85°	72.1	17.5	9.7	3.9	1.9	0.0	0.0	0.0	0.0	0.0
25.3	87.5°	13.6	3.9	1.9	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>
3494.7
3395.4
3245.4
2795.4
2033.7
1314.9
1053.9
960.4
870.8
783.1
707.1
654.5
598.0
547.4
498.7
455.8
418.8
393.5
370.1
352.6
337.0
321.4
303.9
282.5
249.3
198.7
155.8
132.5
107.1
81.8
52.6
27.3
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