

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: P952073

Luminaire Tested: **GALN-SB6A-740-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-740-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22168 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

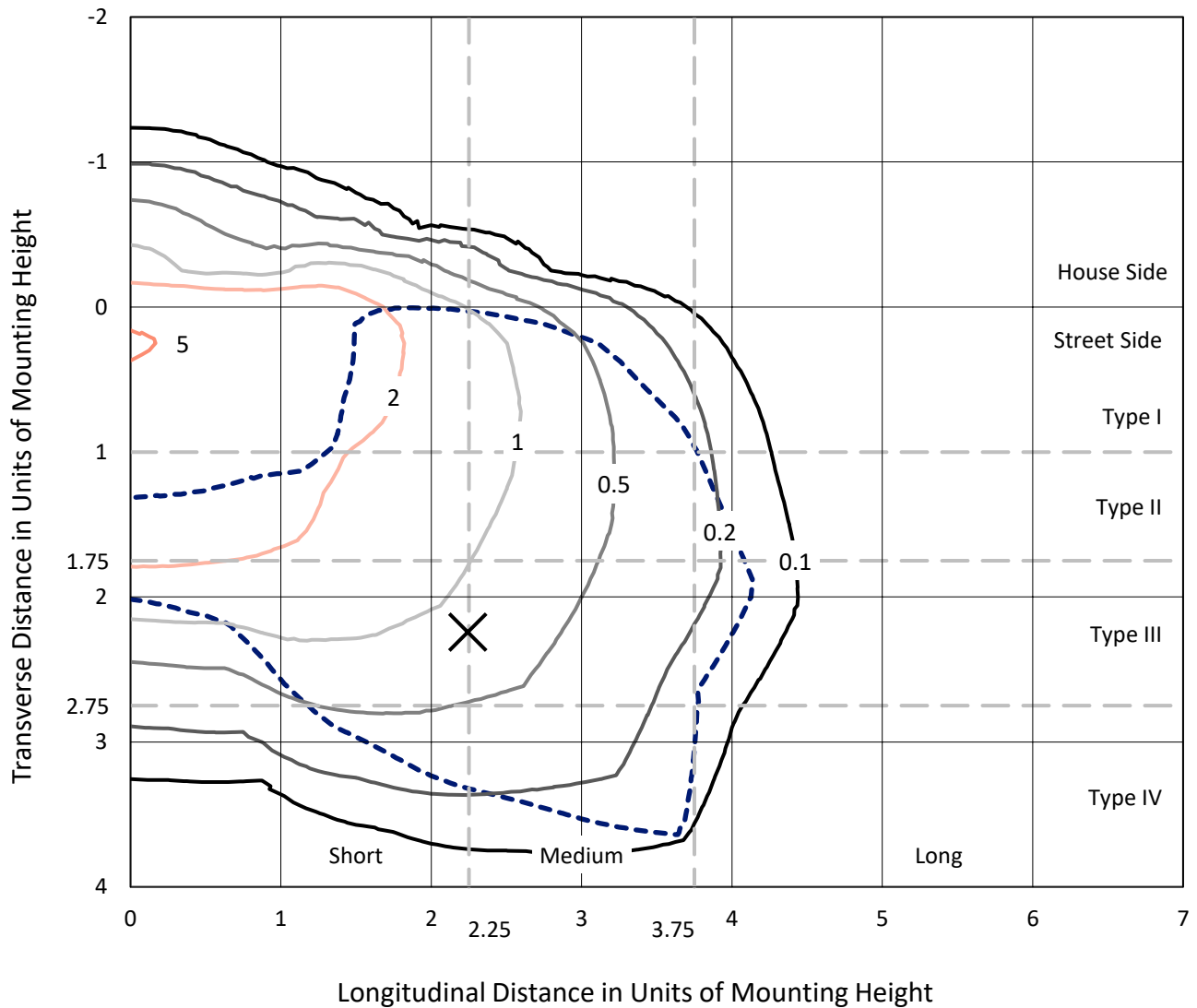
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

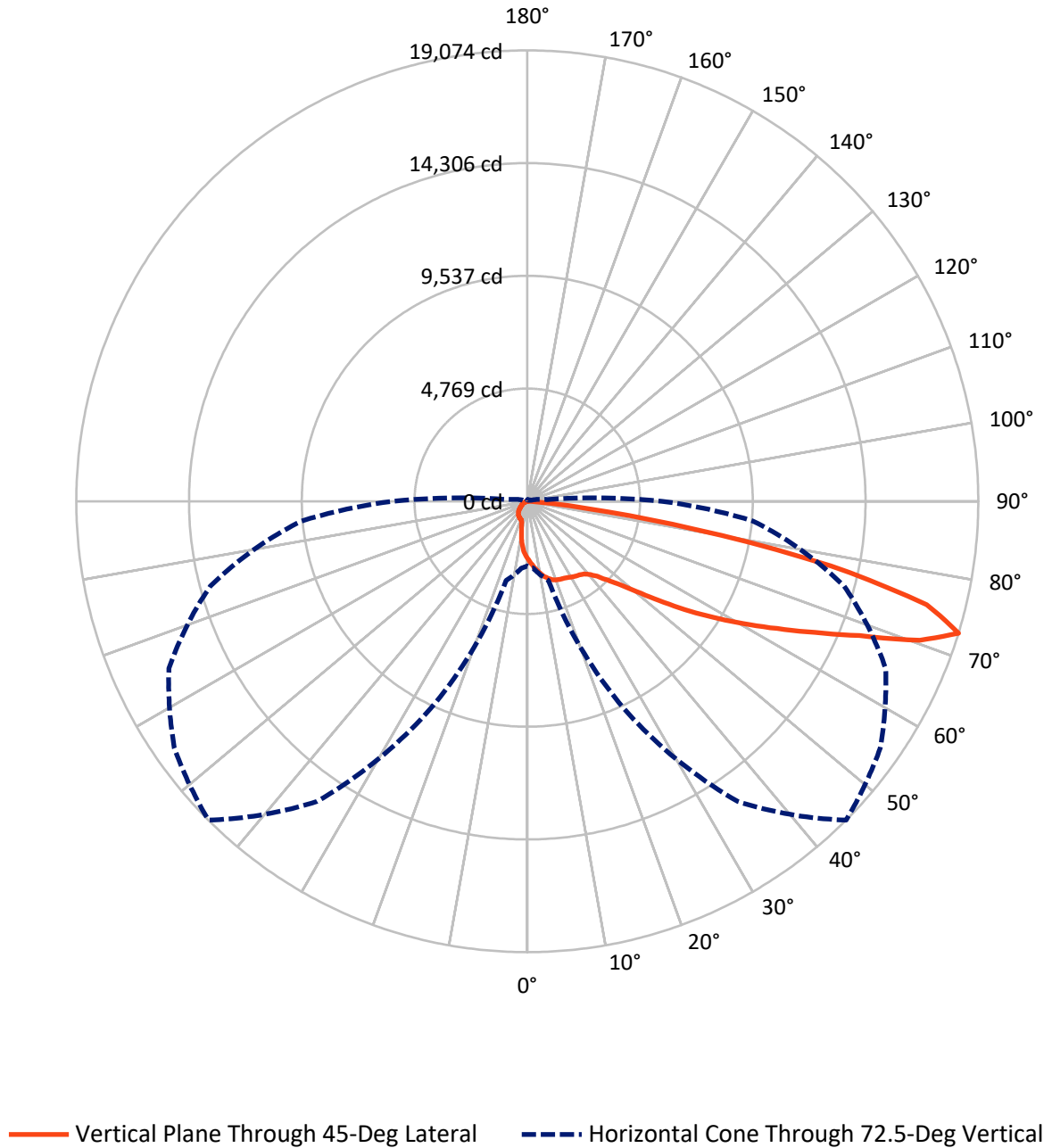
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2329.2	0.0	2329.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	19838.7	0.0	19838.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	22168.0	0.0	22168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.8	1.0
10°-20°	668.7	3.0
20°-30°	1098.2	5.0
30°-40°	1557.5	7.0
40°-50°	2574.3	11.6
50°-60°	4624.5	20.9
60°-70°	6421.4	29.0
70°-80°	4657.9	21.0
80°-90°	336.7	1.5
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°	22168.0	100.0
0°-180°	22168.0	100.0

Coefficient of Utilization



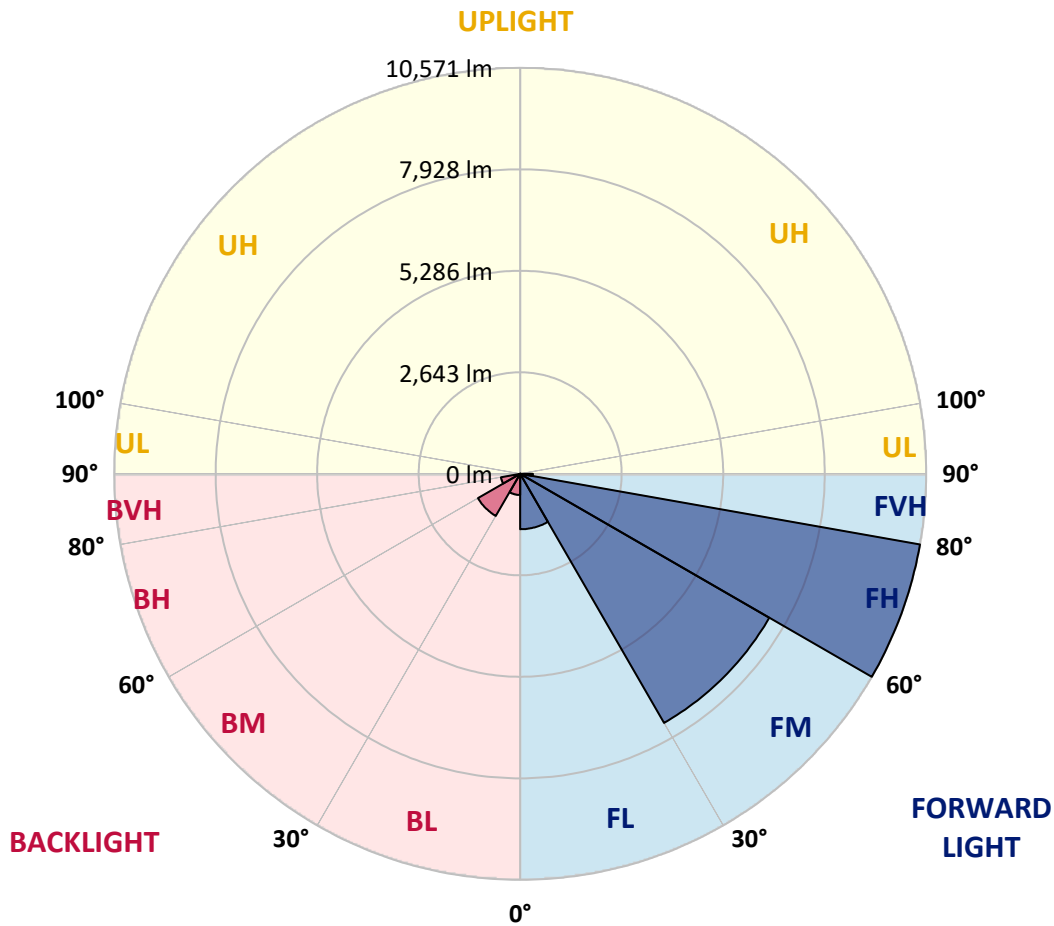
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1444.0	6.5			
FM (30°-60°)	7489.5	33.8			
FH (60°-80°)	10571.3	47.7			G4/12000
FVH (80°-90°)	333.9	1.5			G3/500
BL (0°-30°)	551.7	2.5	B2/1000		
BM (30°-60°)	1266.8	5.7	B2/2500		
BH (60°-80°)	507.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	2.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2428.6	2428.6	2428.6	2428.6	2428.6	2428.6	2428.6	2428.6	2428.6	2428.6
2.5°	2652.5	2657.0	2654.0	2635.8	2605.6	2588.9	2579.9	2549.6	2529.9	2495.1
5°	2896.1	2914.3	2903.7	2867.4	2809.9	2769.0	2756.9	2694.9	2638.9	2573.8
7.5°	3154.8	3163.9	3144.3	3097.3	3020.2	2950.6	2940.0	2853.7	2764.5	2664.6
10°	3378.8	3389.4	3359.1	3291.0	3203.3	3117.0	3101.9	3006.6	2900.6	2778.1
12.5°	3566.4	3577.0	3537.7	3456.0	3359.1	3269.8	3254.7	3154.8	3038.3	2902.2
15°	3708.6	3728.3	3675.4	3587.6	3483.2	3393.9	3386.4	3288.0	3174.5	3023.2
17.5°	3791.9	3811.5	3761.6	3655.7	3566.4	3490.8	3481.7	3400.0	3294.1	3148.8
20°	3805.5	3823.6	3770.7	3678.4	3604.2	3543.7	3539.2	3480.2	3403.0	3263.8
22.5°	3764.6	3787.3	3738.9	3664.8	3613.3	3581.5	3575.5	3542.2	3498.3	3380.3
25°	3722.3	3740.4	3704.1	3639.0	3611.8	3608.8	3613.3	3607.3	3598.2	3498.3
27.5°	3719.2	3738.9	3698.1	3636.0	3620.9	3652.7	3657.2	3686.0	3693.5	3605.8
30°	3745.0	3758.6	3719.2	3654.2	3646.6	3719.2	3720.8	3772.2	3784.3	3696.5
32.5°	3800.9	3816.1	3776.7	3681.4	3670.8	3772.2	3776.7	3844.8	3864.5	3793.4
35°	3932.6	3950.7	3905.4	3757.1	3719.2	3822.1	3835.7	3915.9	3955.3	3896.3
37.5°	4260.9	4208.0	4145.9	3909.9	3829.7	3900.8	3923.5	4017.3	4086.9	4018.8
40°	5076.5	4910.1	4716.4	4170.1	4023.4	4068.8	4086.9	4180.7	4276.1	4209.5
42.5°	6300.6	6103.9	5792.2	4769.3	4315.4	4338.1	4351.7	4433.4	4568.1	4515.1
45°	7391.6	7320.5	7002.7	5792.2	4861.6	4749.7	4766.3	4808.7	5006.9	4987.2
47.5°	8229.8	8189.0	7943.9	6966.4	5784.6	5253.5	5300.4	5320.1	5606.1	5675.7
50°	8874.4	8859.3	8639.9	8010.4	6990.6	5996.5	6013.1	5970.8	6399.0	6571.5
52.5°	9482.7	9534.1	9372.2	8980.3	8278.3	6969.4	6966.4	6766.7	7344.7	7604.9
55°	10032.0	10050.1	10066.8	9969.9	9573.5	8077.0	8048.3	7721.4	8441.7	8711.0
57.5°	10547.9	10555.5	10703.8	10902.0	10921.7	9266.3	9213.4	8821.5	9640.1	9832.2
60°	10894.4	10929.2	11242.5	11793.2	12033.8	10493.5	10464.7	10065.2	10859.6	10948.9
62.5°	10395.1	10606.9	11396.8	12489.3	13083.9	11853.8	11840.1	11464.9	12142.8	12070.1
65°	8414.4	8773.0	10162.1	12959.8	14114.3	13372.9	13392.6	12993.1	13460.7	13224.6
67.5°	5886.0	6264.3	7907.5	12997.7	15265.8	15156.9	15270.4	14643.9	14860.3	14330.7
70°	4070.3	4265.5	5335.2	12183.6	16163.1	17614.2	17611.2	16671.5	16252.4	14834.6
72.5°	2737.2	2838.6	3465.0	9665.8	15503.4	19074.3	18986.6	18220.9	16721.4	13873.8
75°	1154.5	1228.7	1603.9	5432.1	12265.3	17450.8	17213.2	16102.6	14857.3	10924.7
77.5°	366.2	397.9	632.5	1944.4	6756.1	13117.2	12866.0	10056.2	9957.8	5480.5
80°	174.0	202.8	355.6	780.8	2658.5	7134.3	7099.5	4562.0	4283.6	1479.8
82.5°	75.7	89.3	196.7	417.6	1189.3	2545.1	2596.5	1552.5	1284.6	561.4
85°	24.2	31.8	90.8	192.2	502.4	632.5	624.9	369.2	517.5	305.6
87.5°	0.0	0.0	30.3	43.9	51.4	36.3	40.9	31.8	143.7	84.7
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°
2428.6	0°	2428.6	2428.6	2428.6	2428.6	2428.6	2428.6	2428.6	2428.6	2428.6	2428.6
2458.8	2.5°	2440.7	2416.4	2374.1	2334.7	2299.9	2265.1	2244.0	2213.7	2210.7	2210.7
2498.2	5°	2457.3	2418.0	2342.3	2262.1	2169.8	2082.0	1994.3	1909.6	1882.3	1862.6
2561.7	7.5°	2505.7	2443.7	2324.1	2171.3	1995.8	1803.6	1669.0	1523.7	1467.7	1437.5
2646.4	10°	2575.3	2490.6	2309.0	2041.2	1756.7	1495.0	1302.8	1145.4	1084.9	1059.2
2738.7	12.5°	2652.5	2548.1	2281.8	1879.3	1495.0	1181.7	994.1	921.5	912.4	912.4
2849.2	15°	2744.8	2617.7	2234.9	1688.6	1221.1	935.1	868.5	871.6	880.6	886.7
2956.6	17.5°	2840.1	2691.8	2160.7	1475.3	979.0	841.3	842.8	847.3	854.9	861.0
3073.1	20°	2943.0	2766.0	2062.4	1248.3	839.8	814.1	818.6	823.1	829.2	832.2
3182.1	22.5°	3053.5	2835.6	1945.9	1025.9	792.9	791.4	792.9	797.4	805.0	805.0
3309.2	25°	3171.5	2912.7	1812.7	864.0	768.7	768.7	771.7	774.7	780.8	780.8
3431.7	27.5°	3292.5	2983.9	1672.0	779.3	747.5	746.0	746.0	750.5	753.5	755.0
3552.8	30°	3425.7	3067.1	1531.3	761.1	730.8	723.3	718.7	721.8	724.8	726.3
3679.9	32.5°	3561.9	3147.3	1405.7	768.7	714.2	700.6	685.4	682.4	682.4	688.5
3811.5	35°	3713.2	3235.0	1308.8	794.4	705.1	667.3	643.1	629.5	631.0	640.0
3968.9	37.5°	3894.8	3341.0	1237.7	817.1	699.1	629.5	590.1	573.5	562.9	573.5
4185.3	40°	4132.3	3496.8	1186.3	835.2	691.5	585.6	532.6	505.4	485.7	491.8
4521.2	42.5°	4481.9	3741.9	1166.6	836.8	674.8	534.1	473.6	437.3	408.5	410.1
5026.6	45°	4972.1	4129.3	1268.0	817.1	638.5	478.1	411.6	363.1	345.0	340.5
5781.6	47.5°	5643.9	4693.7	1502.5	776.2	585.6	423.7	351.0	310.2	296.6	289.0
6772.7	50°	6544.2	5418.5	1762.8	730.8	532.6	372.2	301.1	275.4	266.3	258.7
7948.4	52.5°	7588.3	6153.8	1976.1	685.4	479.7	326.8	269.3	254.2	246.6	240.6
9083.2	55°	8546.1	6660.7	1964.0	637.0	428.2	290.5	246.6	237.6	228.5	222.4
10060.7	57.5°	9142.2	6731.9	1619.0	584.1	369.2	261.8	225.5	219.4	208.8	201.2
10906.5	60°	9416.1	6326.3	1134.8	514.5	310.2	234.5	202.8	199.7	186.1	175.5
11707.0	62.5°	9466.1	5572.8	756.6	428.2	258.7	208.8	180.1	175.5	157.4	139.2
12357.6	65°	9263.3	4495.5	523.5	334.4	220.9	181.6	154.3	145.3	125.6	107.4
12512.0	67.5°	8621.7	3156.4	364.7	240.6	187.6	143.7	122.6	119.5	104.4	89.3
11725.1	70°	7446.0	1799.1	243.6	180.1	148.3	98.4	96.8	99.9	84.7	72.6
9579.5	72.5°	5709.0	823.1	151.3	131.6	101.4	66.6	77.2	78.7	65.1	54.5
5976.8	75°	3360.6	352.6	95.3	84.7	51.4	43.9	56.0	57.5	43.9	34.8
2184.9	77.5°	1143.9	133.2	60.5	49.9	25.7	24.2	36.3	36.3	24.2	13.6
438.8	80°	260.3	49.9	30.3	19.7	12.1	10.6	12.1	10.6	6.1	1.5
134.7	82.5°	74.1	19.7	12.1	7.6	4.5	4.5	1.5	0.0	0.0	0.0
46.9	85°	21.2	9.1	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
16.6	87.5°	9.1	1.5	0.0	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>
2428.6
2218.2
1871.7
1442.0
1059.2
912.4
886.7
861.0
833.7
808.0
782.3
756.6
729.3
693.0
644.6
570.4
488.7
404.0
334.4
284.5
257.2
239.1
219.4
199.7
172.5
130.1
101.4
84.7
66.6
48.4
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