

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: P952071

Luminaire Tested: **GALN-SB6A-740-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
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-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23960 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

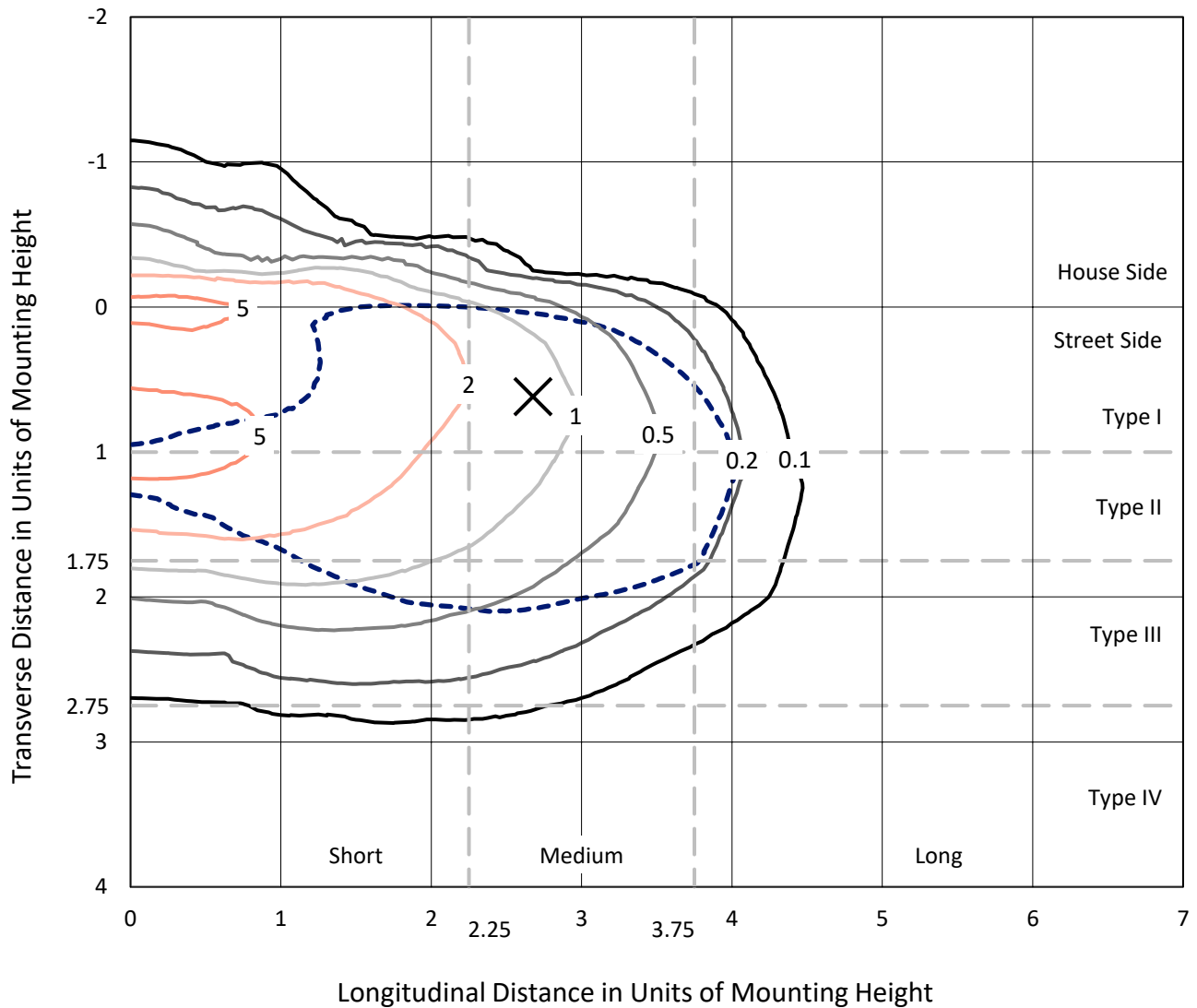
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

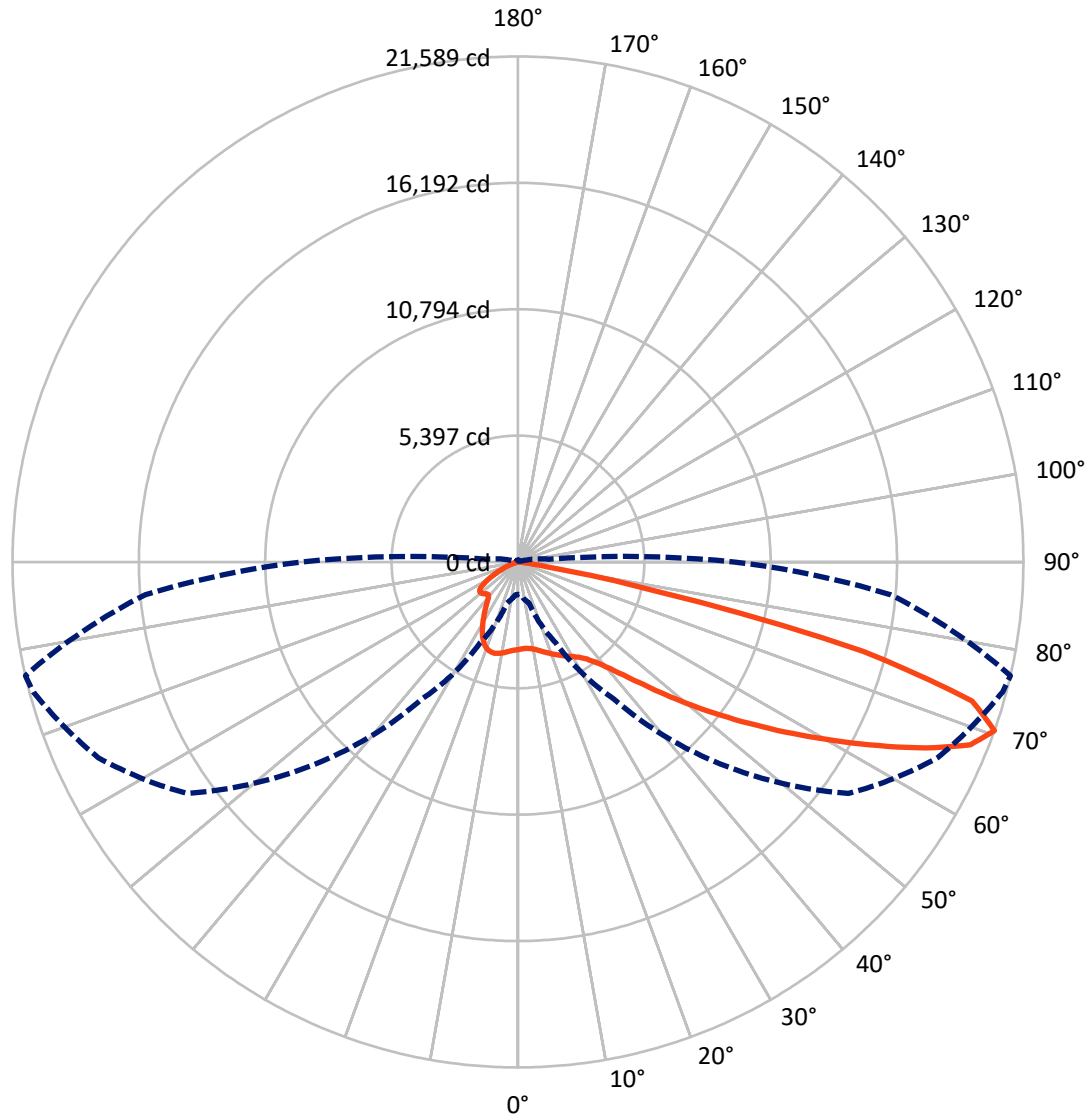
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2525.7	0.0	2525.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	21434.3	0.0	21434.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	23960.0	0.0	23960.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.1	1.3
10°-20°	764.6	3.2
20°-30°	1182.7	4.9
30°-40°	2146.0	9.0
40°-50°	4050.8	16.9
50°-60°	5853.1	24.4
60°-70°	6230.5	26.0
70°-80°	3301.7	13.8
80°-90°	108.4	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°	23960.0	100.0
0°-180°	23960.0	100.0

Coefficient of Utilization



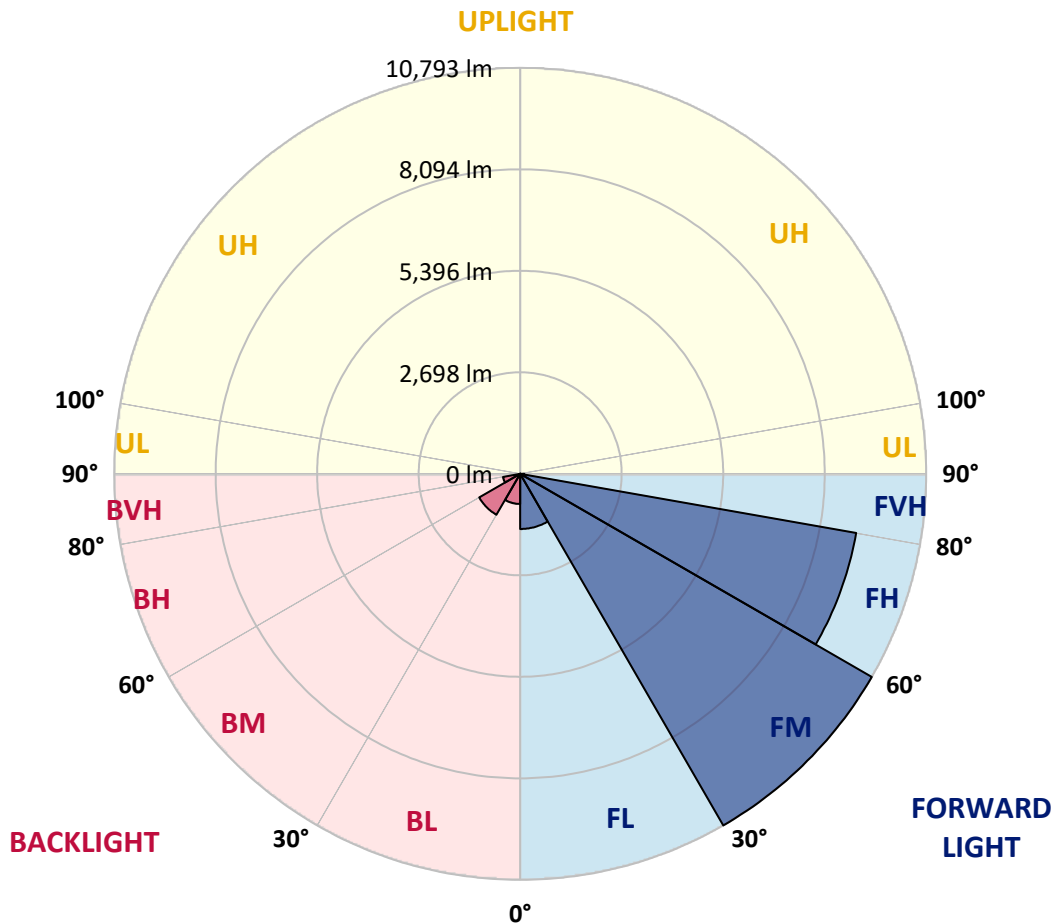
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1466.9	6.1			
FM (30°-60°)	10792.7	45.0			
FH (60°-80°)	9069.2	37.9			G4/12000
FVH (80°-90°)	105.5	0.4			G2/225
BL (0°-30°)	802.5	3.3	B2/1000		
BM (30°-60°)	1257.3	5.2	B2/2500		
BH (60°-80°)	463.0	1.9	B1/500		G1/500
BVH (80°-90°)	2.9	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3737.3	3737.3	3737.3	3737.3	3737.3	3737.3	3737.3	3737.3	3737.3	3737.3
2.5°	3508.9	3540.6	3536.1	3557.3	3564.8	3595.1	3625.4	3666.2	3711.6	3710.1
5°	3310.6	3342.4	3350.0	3378.7	3415.0	3461.9	3524.0	3605.7	3690.4	3704.0
7.5°	3076.1	3109.4	3129.1	3186.6	3253.1	3350.0	3451.4	3570.9	3711.6	3731.3
10°	2841.6	2871.8	2897.6	2979.3	3085.2	3228.9	3393.9	3566.3	3755.5	3784.2
12.5°	2696.3	2725.1	2753.8	2824.9	2956.6	3132.1	3356.0	3587.5	3828.1	3869.0
15°	2644.9	2670.6	2693.3	2756.8	2879.4	3079.1	3348.5	3631.4	3920.4	3974.9
17.5°	2652.4	2666.1	2681.2	2729.6	2849.1	3054.9	3362.1	3707.1	4029.4	4077.8
20°	2696.3	2703.9	2705.4	2738.7	2844.6	3051.9	3389.3	3779.7	4132.2	4197.3
22.5°	2752.3	2755.3	2752.3	2775.0	2873.4	3074.6	3425.6	3867.5	4247.2	4307.8
25°	3014.1	2956.6	2883.9	2840.1	2921.8	3118.5	3480.1	3985.5	4372.8	4431.8
27.5°	3826.6	3661.7	3401.4	3109.4	3021.6	3182.0	3555.8	4105.0	4499.9	4552.9
30°	5146.0	4929.6	4487.8	3829.6	3342.4	3315.2	3654.1	4224.5	4634.6	4692.1
32.5°	6468.5	6415.5	5905.6	4994.7	4064.2	3611.7	3817.5	4386.4	4813.1	4858.5
35°	7806.0	7698.6	7281.0	6380.7	5176.3	4215.5	4089.9	4598.3	5047.7	5099.1
37.5°	8830.4	8765.3	8506.6	7765.2	6495.7	5147.5	4555.9	4926.6	5388.1	5445.6
40°	9735.2	9704.9	9617.2	9128.5	7970.9	6367.1	5280.7	5435.0	5860.2	5928.3
42.5°	10446.4	10517.5	10567.4	10431.2	9491.6	7759.1	6255.1	6149.2	6518.4	6588.0
45°	11174.2	11198.4	11399.6	11596.3	11001.7	9214.7	7353.6	6985.9	7337.0	7423.2
47.5°	11641.7	11738.5	12092.6	12439.1	12271.1	10658.2	8533.8	7974.0	8285.7	8447.6
50°	11676.5	11859.6	12346.8	12950.5	13195.6	12032.1	9816.9	9099.7	9431.1	9609.6
52.5°	11097.0	11381.4	12136.5	13020.1	13695.0	13195.6	11143.9	10225.4	10650.6	10883.6
55°	8508.1	8880.3	11345.1	12641.8	13714.6	14077.8	12436.1	11398.1	12009.4	12272.7
57.5°	7412.6	7600.2	8919.7	11985.2	13350.0	14433.3	13604.2	12514.8	13487.7	13814.5
60°	6167.3	6414.0	7480.7	10910.9	12855.2	14468.1	14636.1	13955.2	15090.0	15457.7
62.5°	4191.3	4459.1	5519.7	9064.9	12178.8	14451.5	15481.9	15438.0	16870.9	17265.8
65°	2596.5	2764.4	3463.5	7402.0	11233.2	14469.7	16367.1	17238.6	18750.2	19151.2
67.5°	2051.7	2128.9	2493.6	5683.2	9603.6	14061.1	17250.7	18931.8	20519.0	20836.7
70°	1378.4	1425.3	1814.2	3810.0	7144.8	12175.8	17234.1	19782.1	21429.9	21588.7
72.5°	726.3	762.6	1060.7	1764.3	4315.3	8654.9	14527.2	18765.3	20523.5	20284.5
75°	363.1	423.7	714.2	895.7	1842.9	4826.8	9021.0	14795.0	16153.7	15227.7
77.5°	275.4	332.9	590.1	590.1	641.5	1625.1	3820.5	8069.3	7442.9	6197.6
80°	175.5	227.0	516.0	446.4	267.8	413.1	995.6	2260.6	1581.2	1202.9
82.5°	102.9	148.3	429.7	295.1	149.8	152.8	281.4	481.2	410.0	319.3
85°	40.9	96.8	295.1	116.5	59.0	37.8	84.7	102.9	84.7	63.5
87.5°	0.0	22.7	51.4	0.0	4.5	3.0	6.1	7.6	7.6	6.1
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°
3737.3	0°	3737.3	3737.3	3737.3	3737.3	3737.3	3737.3	3737.3	3737.3	3737.3	3737.3
3740.4	2.5°	3754.0	3757.0	3766.1	3767.6	3746.4	3719.2	3708.6	3704.0	3685.9	3684.4
3764.6	5°	3799.4	3813.0	3799.4	3760.0	3666.2	3534.6	3434.7	3353.0	3278.9	3256.2
3847.8	7.5°	3890.1	3903.8	3862.9	3708.6	3472.5	3210.8	2974.7	2808.3	2658.5	2602.5
3949.2	10°	4020.3	4038.4	3909.8	3598.1	3180.5	2759.9	2360.4	2079.0	1859.6	1770.3
4086.9	12.5°	4183.7	4191.3	3935.5	3430.2	2800.7	2200.0	1634.1	1333.0	1137.8	1065.2
4253.3	15°	4363.7	4353.2	3938.6	3201.7	2283.2	1555.5	1066.7	876.1	797.4	773.2
4419.7	17.5°	4552.9	4509.0	3878.0	2871.8	1715.8	1063.7	791.3	746.0	732.3	726.3
4584.7	20°	4739.0	4640.6	3767.6	2440.6	1231.7	794.4	718.7	705.1	697.5	694.5
4751.1	22.5°	4908.5	4740.5	3578.5	1939.8	894.2	702.1	679.4	667.3	653.7	647.6
4913.0	25°	5073.4	4798.0	3312.1	1472.2	715.7	656.7	638.5	615.8	597.7	590.1
5087.0	27.5°	5233.8	4834.3	2979.3	1089.4	638.5	614.3	581.0	549.3	535.6	532.6
5273.1	30°	5404.8	4846.4	2601.0	812.5	591.6	561.4	512.9	476.6	469.1	470.6
5524.3	32.5°	5613.6	4864.6	2219.7	665.8	552.3	497.8	440.3	402.5	396.4	402.5
5890.5	35°	5863.2	4900.9	1852.0	612.8	517.5	432.7	370.7	338.9	332.9	337.4
6359.5	37.5°	6202.1	4959.9	1508.5	602.2	488.7	378.3	311.7	286.0	286.0	287.5
6934.5	40°	6653.0	5117.3	1201.4	594.6	473.6	337.4	263.3	252.7	257.2	260.3
7666.8	42.5°	7202.3	5451.7	994.1	585.6	457.0	319.3	239.1	234.5	242.1	245.1
8544.4	45°	7818.1	5875.3	921.5	570.4	441.8	331.4	228.5	222.4	231.5	233.0
9527.9	47.5°	8455.1	6289.9	912.4	553.8	426.7	349.5	225.5	211.8	222.4	223.9
10578.0	50°	9099.7	6560.7	921.5	528.1	402.5	349.5	227.0	201.2	210.3	214.9
11667.4	52.5°	9748.8	6684.8	915.4	472.1	360.1	328.3	227.0	192.2	201.2	204.3
12844.6	55°	10378.3	6660.6	823.1	388.9	305.6	290.5	220.9	184.6	190.6	192.2
13956.7	57.5°	10876.1	6323.2	652.1	302.6	248.1	242.1	201.2	175.5	180.1	178.5
14976.5	60°	11136.3	5581.8	466.0	233.0	195.2	190.6	177.0	163.4	166.4	158.9
15840.5	62.5°	11139.4	4601.3	311.7	184.6	155.8	151.3	151.3	146.8	143.7	128.6
16509.3	65°	10901.8	3513.4	207.3	146.8	125.6	118.0	127.1	125.6	115.0	93.8
16713.6	67.5°	10363.1	2302.9	157.4	115.0	96.8	92.3	101.4	105.9	98.4	78.7
15969.1	70°	9255.6	1340.6	130.1	89.3	72.6	68.1	81.7	90.8	81.7	63.5
13649.6	72.5°	7688.0	723.3	105.9	66.6	49.9	45.4	65.1	74.1	65.1	46.9
8757.8	75°	4988.7	387.4	81.7	43.9	25.7	28.7	48.4	54.5	45.4	30.3
2570.7	77.5°	1675.0	171.0	51.4	21.2	12.1	12.1	28.7	33.3	21.2	10.6
467.5	80°	373.7	71.1	21.2	9.1	4.5	4.5	6.1	6.1	3.0	0.0
143.7	82.5°	122.6	28.7	9.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
36.3	85°	46.9	10.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.1	87.5°	18.2	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>
3737.3
3687.4
3242.5
2579.8
1732.5
1042.5
773.2
724.8
691.5
646.1
587.1
529.6
470.6
401.0
335.9
286.0
260.3
245.1
234.5
225.5
216.4
204.3
192.2
178.5
157.4
124.1
90.8
77.2
60.5
45.4
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