

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: P942314

Luminaire Tested: **GALN-SB6B-735-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24935 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

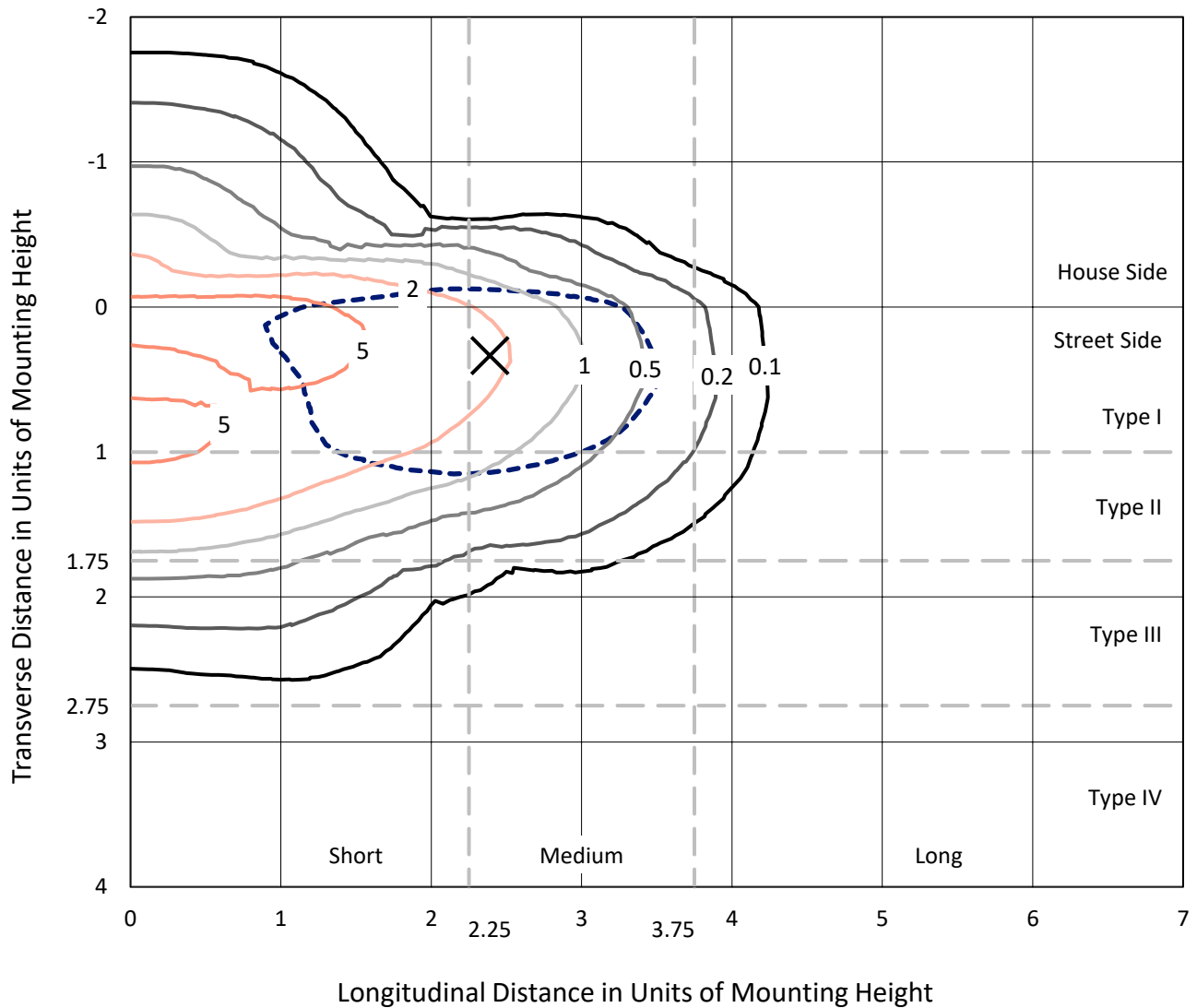
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

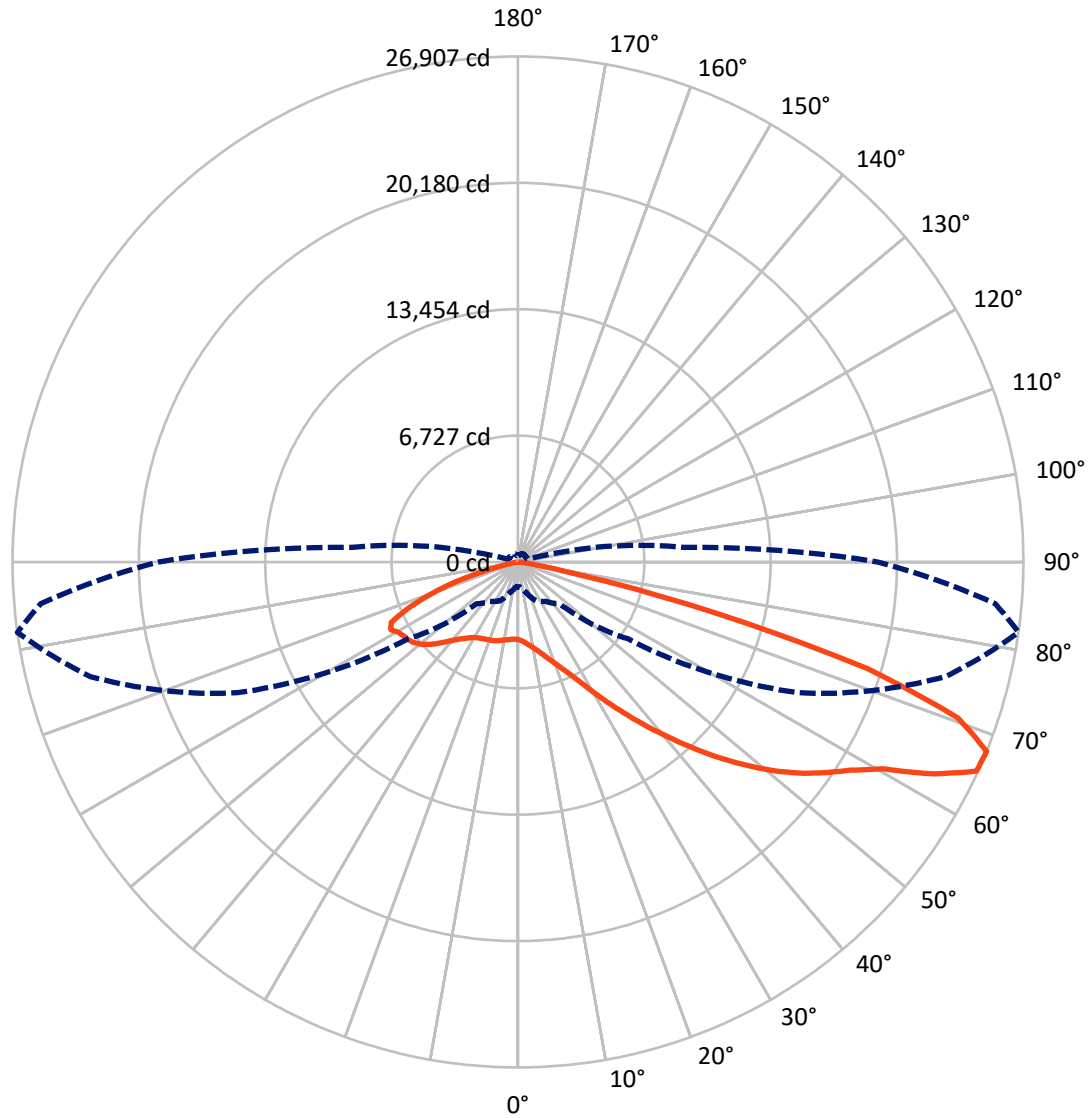
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4516.8	0.0	4516.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	20418.2	0.0	20418.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	24935.0	0.0	24935.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.0	1.5
10°-20°	956.4	3.8
20°-30°	1531.8	6.1
30°-40°	2708.7	10.9
40°-50°	4745.9	19.0
50°-60°	6329.7	25.4
60°-70°	5892.6	23.6
70°-80°	2261.6	9.1
80°-90°	140.5	0.6
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°	24935.0	100.0
0°-180°	24935.0	100.0

Coefficient of Utilization



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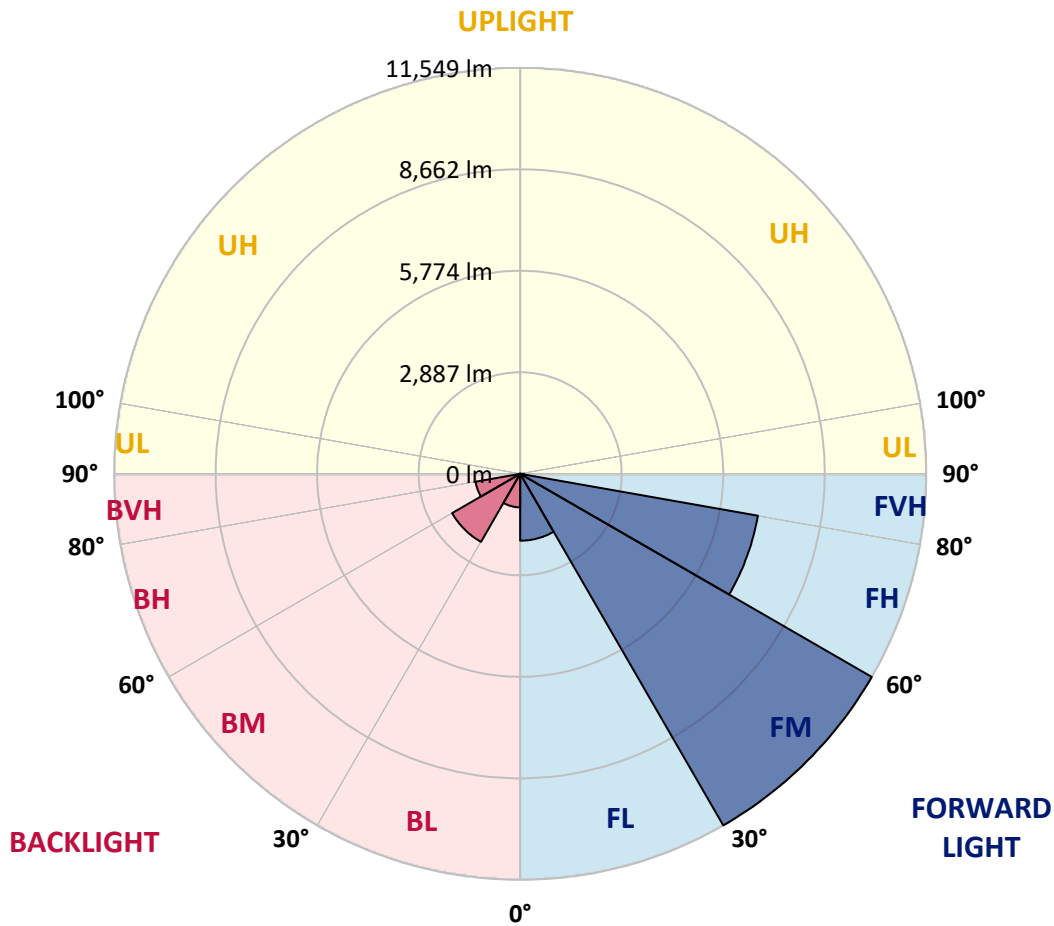
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1902.3	7.6			
FM (30°-60°)	11548.9	46.3			
FH (60°-80°)	6865.0	27.5			G3/7500
FVH (80°-90°)	102.1	0.4			G2/225
BL (0°-30°)	953.9	3.8	B2/1000		
BM (30°-60°)	2235.3	9.0	B2/2500		
BH (60°-80°)	1289.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	38.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	4366.1	4391.2	4376.8	4369.7	4357.1	4339.1	4324.8	4279.9	4233.2	4202.7
5°	4454.0	4479.2	4477.4	4484.6	4493.5	4498.9	4495.3	4445.1	4378.6	4326.6
7.5°	4378.6	4407.4	4430.7	4466.6	4529.4	4595.9	4628.2	4617.4	4549.2	4477.4
10°	4165.0	4195.5	4251.2	4335.5	4468.4	4612.0	4732.3	4787.9	4744.9	4665.9
12.5°	3773.6	3804.1	3913.7	4096.8	4319.4	4568.9	4798.7	4947.7	4958.5	4879.5
15°	3333.8	3364.3	3481.0	3710.8	4050.1	4450.4	4834.6	5116.5	5211.6	5143.4
17.5°	3060.9	3087.8	3175.8	3360.7	3714.4	4213.5	4822.1	5296.0	5513.2	5459.4
20°	2978.3	3001.7	3043.0	3172.2	3466.6	3967.5	4739.5	5464.8	5838.2	5807.7
22.5°	3066.3	3087.8	3100.4	3157.9	3342.8	3805.9	4635.4	5637.1	6215.2	6218.8
25°	3269.2	3290.7	3276.3	3312.2	3393.0	3755.7	4595.9	5840.0	6689.1	6728.6
27.5°	3603.1	3604.9	3570.8	3569.0	3581.5	3831.1	4637.1	6057.2	7286.9	7360.6
30°	4272.7	4245.8	4114.7	3972.9	3908.3	4057.3	4752.0	6313.9	7992.5	8123.5
32.5°	5305.0	5265.5	5024.9	4685.6	4344.5	4421.7	4958.5	6606.5	8760.9	8997.8
35°	6425.2	6414.5	6163.1	5658.6	5062.6	4940.5	5294.2	6990.7	9599.2	9976.2
37.5°	7466.5	7461.1	7317.5	6723.2	5998.0	5664.0	5832.8	7493.4	10496.9	11042.6
40°	8418.0	8434.1	8290.5	7759.1	7028.4	6592.2	6565.3	8114.6	11495.0	12204.2
42.5°	9240.2	9258.1	9112.7	8719.6	8046.3	7619.1	7464.7	8875.7	12469.9	13451.9
45°	9798.5	9909.8	9888.3	9574.1	9091.2	8647.8	8545.4	9830.8	13581.1	14775.0
47.5°	9956.5	10058.8	10220.4	10263.5	9969.1	9532.8	9654.9	10981.6	14704.9	16099.9
50°	9566.9	9662.1	9997.8	10444.8	10649.5	10514.8	10733.8	12214.9	15855.7	17421.2
52.5°	8798.6	8895.5	9319.2	10026.5	10861.3	11285.0	11816.4	13430.3	16970.6	18672.5
55°	7687.3	7789.6	8333.6	9134.3	10457.4	11602.7	12719.4	14643.9	17992.1	19798.1
57.5°	6175.7	6251.1	6816.6	7936.8	9441.3	11286.8	13385.4	15968.8	18954.3	20904.0
60°	4025.0	4091.4	4748.5	5998.0	7757.3	10231.2	13518.3	17446.3	20232.5	22342.0
62.5°	2676.7	2721.6	3111.2	4028.6	5463.0	8204.3	12740.9	18625.8	22106.8	24844.6
65°	1836.5	1881.4	2271.0	2910.1	3529.5	5427.1	10505.8	18469.6	23805.1	26831.9
67.5°	1310.5	1348.2	1678.6	2281.8	2554.7	3152.5	7121.8	16473.3	23560.9	26907.3
70°	938.9	960.5	1233.3	1777.3	2030.4	1894.0	3960.3	12599.1	20629.3	24846.4
72.5°	657.1	664.2	856.3	1353.6	1635.5	1382.3	1885.0	8400.0	15602.6	19501.9
75°	445.2	454.2	576.3	992.8	1312.3	1055.6	998.2	4504.3	9159.4	10794.9
77.5°	272.9	276.5	371.6	678.6	982.0	804.3	642.7	1908.4	3543.8	3479.2
80°	154.4	154.4	237.0	421.9	669.6	518.8	450.6	811.5	1122.0	985.6
82.5°	86.2	88.0	172.3	262.1	443.4	307.0	247.7	375.2	484.7	429.1
85°	35.9	39.5	105.9	123.9	211.8	152.6	100.5	158.0	179.5	159.8
87.5°	3.6	5.4	32.3	23.3	25.1	30.5	14.4	30.5	25.1	25.1
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°
4130.9	0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
4191.9	2.5°	4157.8	4130.9	4062.7	3983.7	3879.5	3829.3	3761.1	3714.4	3674.9	3678.5
4296.0	5°	4238.6	4170.4	4017.8	3827.5	3590.5	3421.8	3242.2	3118.4	3017.8	2996.3
4439.7	7.5°	4349.9	4242.2	3974.7	3631.8	3231.5	2928.1	2657.0	2482.8	2359.0	2319.5
4613.8	10°	4493.5	4337.3	3919.0	3385.9	2809.6	2423.6	2132.8	1996.3	1911.9	1883.2
4818.5	12.5°	4660.5	4446.9	3845.4	3086.0	2375.1	2003.5	1818.6	1750.4	1723.4	1714.5
5069.8	15°	4870.5	4583.3	3734.1	2730.6	2007.1	1746.8	1667.8	1658.8	1662.4	1658.8
5371.4	17.5°	5120.1	4732.3	3552.8	2364.4	1759.4	1615.7	1587.0	1594.2	1603.2	1601.4
5708.9	20°	5393.0	4879.5	3321.2	2039.4	1590.6	1522.4	1506.2	1513.4	1520.6	1517.0
6098.5	22.5°	5703.5	5037.5	3064.5	1786.3	1477.5	1436.2	1418.3	1420.0	1420.0	1412.9
6592.2	25°	6075.1	5211.6	2795.2	1606.8	1391.3	1359.0	1337.5	1330.3	1319.5	1298.0
7191.8	27.5°	6518.6	5396.5	2536.7	1481.1	1323.1	1292.6	1267.5	1249.5	1222.6	1186.7
7911.7	30°	7017.7	5620.9	2317.7	1402.1	1269.2	1238.7	1210.0	1183.1	1143.6	1098.7
8739.3	32.5°	7604.7	5861.5	2157.9	1350.0	1220.8	1188.5	1154.4	1122.0	1078.9	1034.1
9669.3	35°	8304.9	6152.3	2064.5	1314.1	1183.1	1140.0	1102.3	1066.4	1034.1	994.6
10680.0	37.5°	9064.3	6461.1	2035.8	1296.2	1157.9	1091.5	1048.4	1023.3	1019.7	996.4
11773.3	40°	9895.5	6827.4	2057.4	1285.4	1131.0	1044.8	998.2	992.8	1001.8	960.5
12942.0	42.5°	10775.1	7261.8	2093.3	1272.8	1093.3	998.2	953.3	953.3	946.1	888.7
14177.1	45°	11726.6	7762.7	2129.2	1242.3	1048.4	951.5	917.4	904.8	874.3	818.6
15419.5	47.5°	12685.3	8272.5	2156.1	1186.7	994.6	912.0	881.5	852.7	807.9	757.6
16638.4	50°	13595.5	8730.3	2127.4	1104.1	933.5	874.3	842.0	802.5	754.0	719.9
17792.8	52.5°	14408.7	9127.1	2005.3	1007.1	868.9	834.8	806.1	764.8	725.3	689.4
18834.0	55°	15116.1	9448.4	1789.9	915.6	811.5	800.7	772.0	719.9	666.0	635.5
19866.3	57.5°	15794.7	9692.6	1520.6	840.2	759.4	763.0	719.9	673.2	623.0	590.6
21257.6	60°	16697.7	10019.3	1247.7	770.2	703.7	714.5	667.8	633.7	570.9	529.6
23643.5	62.5°	18141.1	10527.4	991.0	684.0	639.1	642.7	623.0	581.7	506.3	457.8
25411.9	65°	19286.4	10340.7	780.9	590.6	565.5	570.9	570.9	526.0	445.2	389.6
25507.0	67.5°	19157.2	8854.2	623.0	499.1	495.5	499.1	511.6	473.9	395.0	350.1
23564.5	70°	17647.4	7042.8	499.1	414.7	430.9	421.9	457.8	432.7	355.5	310.6
18268.5	72.5°	14399.8	5073.4	380.6	342.9	330.3	344.7	412.9	389.6	296.2	246.0
9676.4	75°	8414.4	2707.2	283.7	271.1	238.8	287.2	366.2	332.1	226.2	181.3
2965.8	77.5°	2739.6	944.3	208.2	199.3	177.7	231.6	312.4	280.1	184.9	143.6
868.9	80°	734.3	285.4	141.8	131.1	114.9	172.3	247.7	222.6	132.8	93.4
373.4	82.5°	294.4	120.3	82.6	73.6	62.8	118.5	195.7	179.5	98.7	59.2
116.7	85°	95.1	39.5	30.5	23.3	28.7	73.6	116.7	122.1	70.0	30.5
18.0	87.5°	12.6	5.4	5.4	7.2	5.4	12.6	35.9	34.1	19.7	3.6
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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180°
4130.9
3642.6
2947.8
2280.0
1861.7
1709.1
1657.0
1597.8
1515.2
1409.3
1294.4
1183.1
1095.1
1035.9
991.0
994.6
962.3
888.7
816.8
755.8
714.5
685.8
631.9
587.0
524.2
454.2
384.2
342.9
305.2
240.6
175.9
138.2
91.6
59.2
23.3
0.0
0.0

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