

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: P952293

Luminaire Tested: **GALN-SB6A-940-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6A-940-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19265 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G4

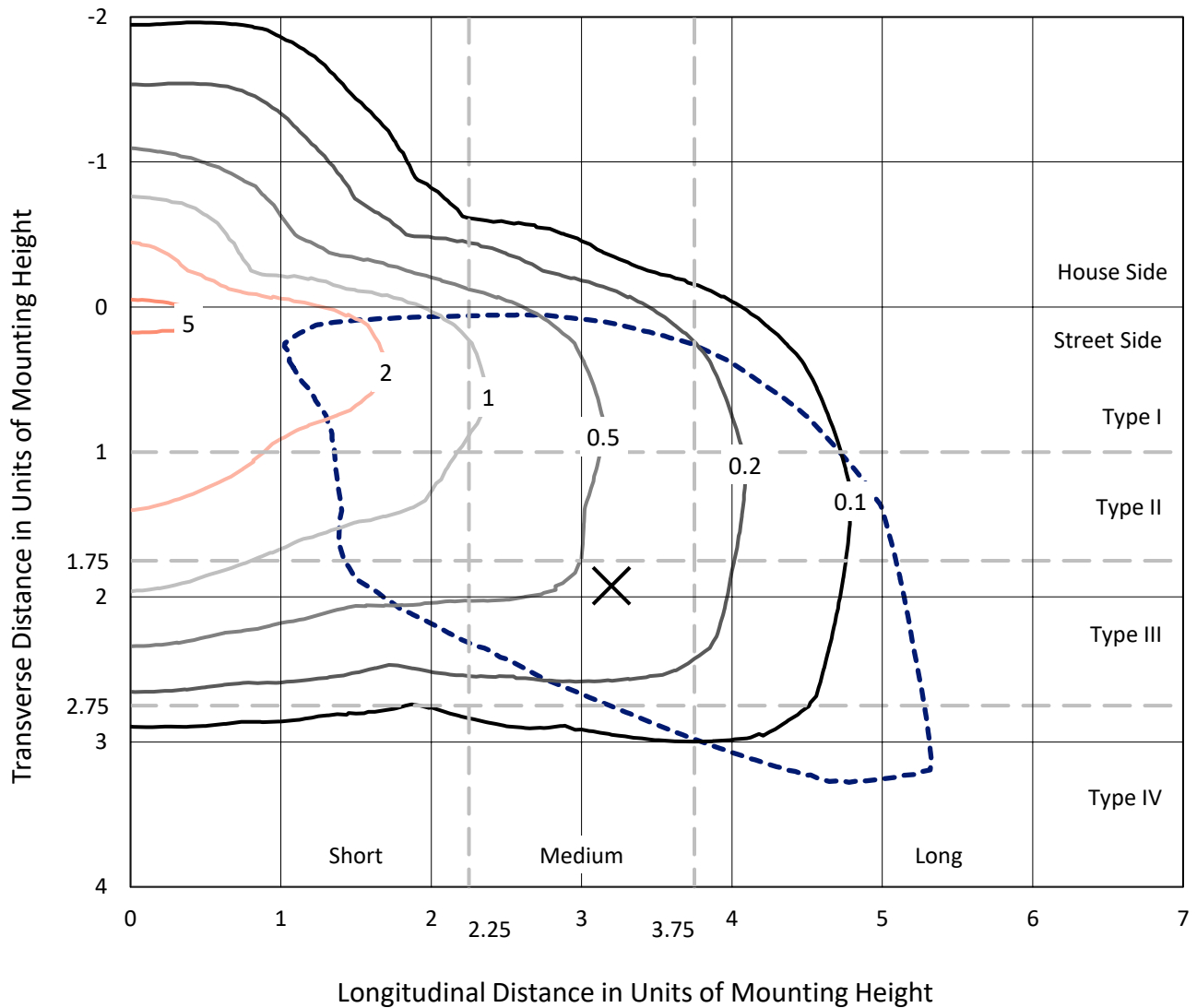
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

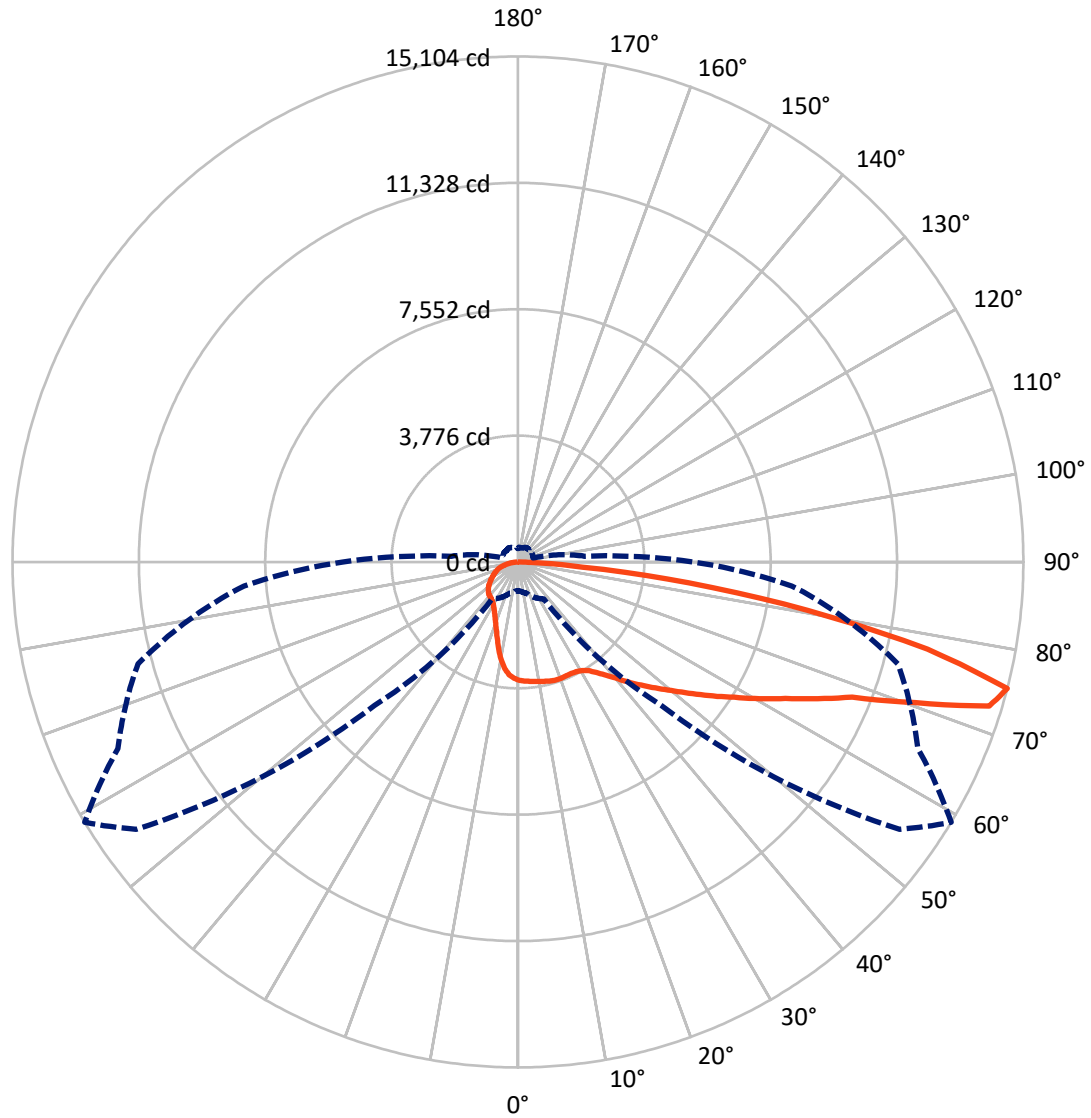
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3613.3	0.0	3613.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	15651.7	0.0	15651.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	19265.0	0.0	19265.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.1	1.6
10°-20°	810.4	4.2
20°-30°	1231.0	6.4
30°-40°	1829.8	9.5
40°-50°	2721.3	14.1
50°-60°	3693.8	19.2
60°-70°	4509.5	23.4
70°-80°	3539.0	18.4
80°-90°	613.0	3.2
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°	19265.0	100.0
0°-180°	19265.0	100.0



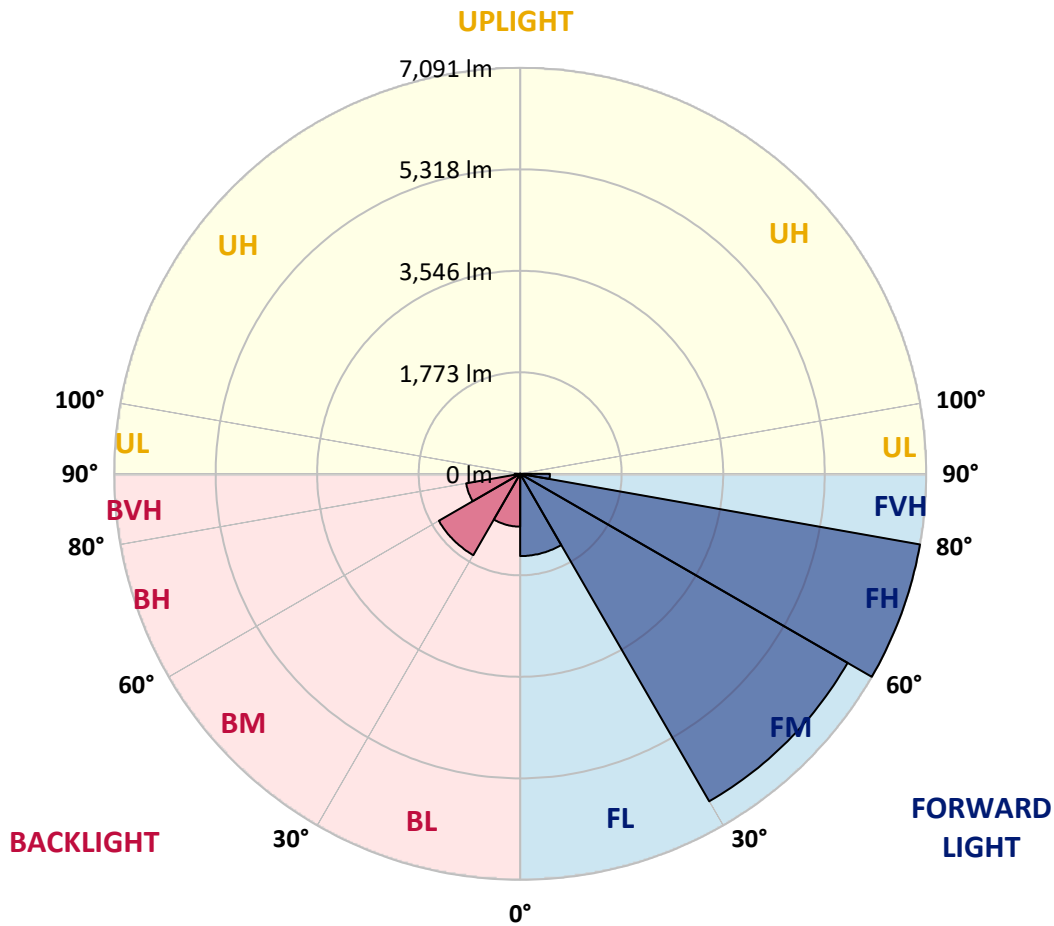
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1436.4	7.5			
FM (30°-60°)	6604.8	34.3			
FH (60°-80°)	7091.3	36.8			G3/7500
FVH (80°-90°)	519.2	2.7			G4/750
BL (0°-30°)	922.1	4.8	B2/1000		
BM (30°-60°)	1640.1	8.5	B2/2500		
BH (60°-80°)	957.3	5.0	B2/1000		G2/1000
BVH (80°-90°)	93.8	0.5			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	3536.0	3536.0	3536.0	3536.0	3536.0	3536.0	3536.0	3536.0	3536.0	3536.0
2.5°	3566.1	3553.7	3566.1	3560.9	3558.8	3554.7	3555.7	3563.0	3558.8	3564.0
5°	3542.3	3535.0	3547.4	3544.3	3557.8	3559.9	3573.4	3581.6	3586.8	3587.9
7.5°	3502.9	3495.6	3513.2	3527.8	3556.8	3565.1	3593.0	3606.5	3613.8	3626.2
10°	3358.8	3355.7	3399.2	3454.2	3522.6	3565.1	3607.6	3630.4	3641.8	3674.9
12.5°	3103.9	3108.0	3165.0	3270.7	3407.5	3544.3	3624.1	3657.3	3674.9	3716.4
15°	2860.3	2859.3	2921.5	3034.5	3226.2	3453.1	3632.4	3689.4	3719.5	3780.6
17.5°	2719.4	2715.3	2758.8	2844.8	3023.1	3313.2	3611.7	3707.0	3771.3	3848.0
20°	2693.5	2685.2	2708.0	2750.5	2876.9	3159.9	3557.8	3707.0	3812.8	3912.2
22.5°	2787.8	2774.3	2765.0	2759.8	2815.8	3033.4	3496.7	3694.6	3873.9	4004.5
25°	2977.5	2956.7	2909.1	2862.4	2845.8	2976.4	3442.8	3691.5	3965.1	4128.8
27.5°	3284.2	3258.3	3161.9	3050.0	2949.5	3005.4	3418.9	3710.2	4065.6	4260.5
30°	3664.6	3636.6	3515.3	3343.3	3163.0	3113.2	3449.0	3765.1	4194.1	4435.6
32.5°	4005.5	3974.4	3870.8	3695.6	3452.1	3299.8	3544.3	3869.8	4396.2	4679.1
35°	4308.1	4271.9	4178.6	4016.9	3806.5	3562.0	3716.4	4055.3	4683.3	5075.0
37.5°	4604.5	4562.0	4460.5	4289.5	4142.3	3911.2	3953.7	4293.6	5064.7	5555.9
40°	4936.2	4875.0	4751.7	4582.8	4439.8	4320.6	4265.6	4585.9	5452.3	6092.7
42.5°	5257.4	5199.4	5052.2	4908.2	4728.9	4694.7	4627.3	4927.9	5876.1	6682.4
45°	5603.6	5534.1	5355.9	5173.5	5060.5	4943.4	4977.6	5269.9	6291.7	7283.5
47.5°	5928.0	5850.2	5639.9	5436.7	5374.5	5152.8	5298.9	5646.1	6723.9	7892.9
50°	6103.1	6026.4	5851.3	5667.8	5619.1	5410.8	5647.1	6059.6	7176.8	8500.2
52.5°	6249.2	6166.3	5937.3	5835.7	5821.2	5691.7	6076.2	6532.2	7629.7	9037.0
55°	6404.7	6312.4	6020.2	5929.0	5995.3	6006.7	6585.0	7068.0	8108.5	9560.4
57.5°	6584.0	6466.9	6100.0	6007.8	6165.3	6375.7	7169.5	7623.4	8579.0	10045.4
60°	6752.9	6634.8	6253.4	6133.2	6348.7	6803.7	7840.0	8296.0	9111.6	10477.6
62.5°	6786.1	6688.6	6375.7	6374.6	6597.4	7303.2	8633.9	8974.8	9577.0	10904.5
65°	6211.9	6150.8	5965.3	6365.3	6954.0	8022.4	9517.9	9843.3	10168.7	11277.6
67.5°	4727.9	4736.1	4722.7	5494.8	6665.8	9055.7	10797.8	10772.9	10899.4	11696.3
70°	2161.8	2210.5	2527.7	3793.1	5340.3	9174.9	12914.0	12591.7	11816.5	12238.3
72.5°	1168.0	1205.3	1334.8	1837.5	3210.6	8157.2	14495.5	14724.6	13036.3	12603.1
75°	857.1	877.8	968.0	1168.0	1348.3	6062.7	13928.6	15103.9	13188.7	11752.3
77.5°	641.5	650.8	724.4	925.5	690.2	3196.1	11129.4	12508.8	11290.1	9655.7
80°	465.3	475.7	530.6	694.4	484.0	1169.0	7642.1	8780.0	7732.3	6154.9
82.5°	321.3	325.4	349.3	472.6	337.9	453.9	4336.1	5148.6	4316.4	2159.8
85°	193.8	199.0	209.3	275.7	191.7	215.6	1871.7	1935.9	1290.3	516.1
87.5°	79.8	85.0	93.3	116.1	75.7	60.1	308.8	387.6	241.5	151.3
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°
3536.0	0°	3536.0	3536.0	3536.0	3536.0	3536.0	3536.0	3536.0	3536.0	3536.0	3536.0
3546.4	2.5°	3541.2	3534.0	3514.3	3487.3	3462.5	3431.4	3417.9	3406.5	3396.1	3376.4
3574.4	5°	3563.0	3543.3	3490.4	3422.0	3344.3	3259.3	3176.4	3119.4	3070.7	3034.5
3606.5	7.5°	3596.2	3558.8	3462.5	3322.6	3144.3	2961.9	2797.1	2680.0	2591.9	2559.8
3652.1	10°	3630.4	3585.8	3417.9	3171.3	2863.5	2582.6	2363.9	2243.7	2173.2	2150.4
3706.0	12.5°	3670.8	3605.5	3348.5	2960.9	2549.4	2241.6	2050.9	1980.5	1944.2	1931.8
3772.3	15°	3729.8	3622.1	3243.8	2697.6	2249.9	1992.9	1869.6	1820.9	1802.2	1801.2
3840.7	17.5°	3774.4	3625.2	3081.1	2415.7	2019.9	1842.6	1741.1	1722.4	1734.9	1753.5
3908.1	20°	3824.2	3597.2	2867.6	2158.7	1858.2	1711.0	1668.5	1681.0	1711.0	1738.0
3997.2	22.5°	3859.4	3546.4	2609.5	1958.7	1718.3	1635.4	1633.3	1659.2	1675.8	1689.3
4101.9	25°	3890.5	3460.4	2335.9	1790.8	1603.2	1589.8	1612.6	1604.3	1592.9	1604.3
4206.6	27.5°	3913.3	3324.6	2091.4	1643.7	1522.4	1558.7	1545.2	1526.6	1525.5	1531.7
4329.9	30°	3906.0	3143.3	1890.3	1503.8	1465.4	1500.6	1468.5	1465.4	1462.3	1465.4
4515.4	32.5°	3906.0	2937.0	1735.9	1407.4	1429.1	1415.7	1412.6	1405.3	1392.9	1391.8
4767.2	35°	3927.8	2730.8	1603.2	1355.6	1399.1	1367.0	1369.0	1351.4	1325.5	1313.1
5100.9	37.5°	3972.4	2565.0	1471.6	1330.7	1346.2	1345.2	1336.9	1306.8	1261.2	1221.9
5517.6	40°	4080.1	2516.3	1381.5	1319.3	1321.4	1333.8	1312.0	1254.0	1150.4	1086.1
5940.4	42.5°	4249.1	2598.1	1361.8	1291.3	1304.8	1317.2	1274.7	1140.0	1066.4	1028.1
6384.0	45°	4463.6	2741.2	1404.3	1250.9	1265.4	1287.2	1160.7	1096.5	1063.3	1064.3
6823.4	47.5°	4735.1	2891.4	1483.0	1215.6	1208.4	1220.8	1085.1	1045.7	1000.1	1011.5
7245.2	50°	5049.1	3043.8	1557.6	1168.0	1145.2	1104.8	1036.4	999.0	941.0	914.1
7652.5	52.5°	5389.1	3190.9	1587.7	1109.9	1076.8	1030.1	1003.2	957.6	887.1	842.6
8036.9	55°	5711.4	3324.6	1554.5	1040.5	1008.4	972.1	968.0	940.0	864.3	802.1
8378.9	57.5°	6016.0	3436.6	1471.6	970.0	938.9	917.2	945.2	931.7	836.3	756.5
8702.3	60°	6274.1	3513.2	1351.4	898.5	876.8	865.4	907.8	903.7	797.0	707.8
8992.5	62.5°	6479.3	3543.3	1218.8	830.1	824.9	804.2	856.0	856.0	747.2	660.2
9247.4	65°	6639.9	3514.3	1084.0	762.8	773.1	742.0	792.8	786.6	694.4	617.7
9540.7	67.5°	6781.9	3418.9	934.8	696.4	720.3	680.9	726.5	712.0	636.3	575.2
9794.6	70°	6845.1	3197.2	764.8	630.1	659.1	620.8	660.2	633.2	571.0	529.6
9515.8	72.5°	6337.3	2657.2	602.1	560.7	585.5	554.5	588.7	557.6	500.6	481.9
8217.3	75°	5242.9	1993.9	463.3	485.0	503.7	479.8	502.6	479.8	428.0	441.5
6069.9	77.5°	3807.6	1346.2	354.4	405.2	413.5	401.1	420.8	394.9	348.2	345.1
3025.1	80°	1893.4	788.7	277.7	320.2	317.1	308.8	331.6	319.2	279.8	296.4
816.6	82.5°	548.2	337.9	202.1	224.9	218.7	220.7	237.3	243.5	364.8	361.7
253.9	85°	172.0	132.7	121.3	125.4	119.2	122.3	139.9	277.7	257.0	150.3
78.8	87.5°	44.6	45.6	30.1	32.1	33.2	39.4	44.6	168.9	80.8	52.9
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>
3536.0
3367.1
3004.4
2503.8
2115.2
1934.9
1805.3
1760.8
1747.3
1696.5
1611.5
1542.1
1476.8
1405.3
1325.5
1235.3
1094.4
1028.1
1069.5
1040.5
921.3
841.5
802.1
752.4
704.7
657.0
613.5
571.0
521.3
466.4
<i>403.1</i>
329.6
293.3
370.0
162.7
56.0
0.0

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