

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: P952587

Luminaire Tested: **GALN-SB6B-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952587
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-SB6B-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20314 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

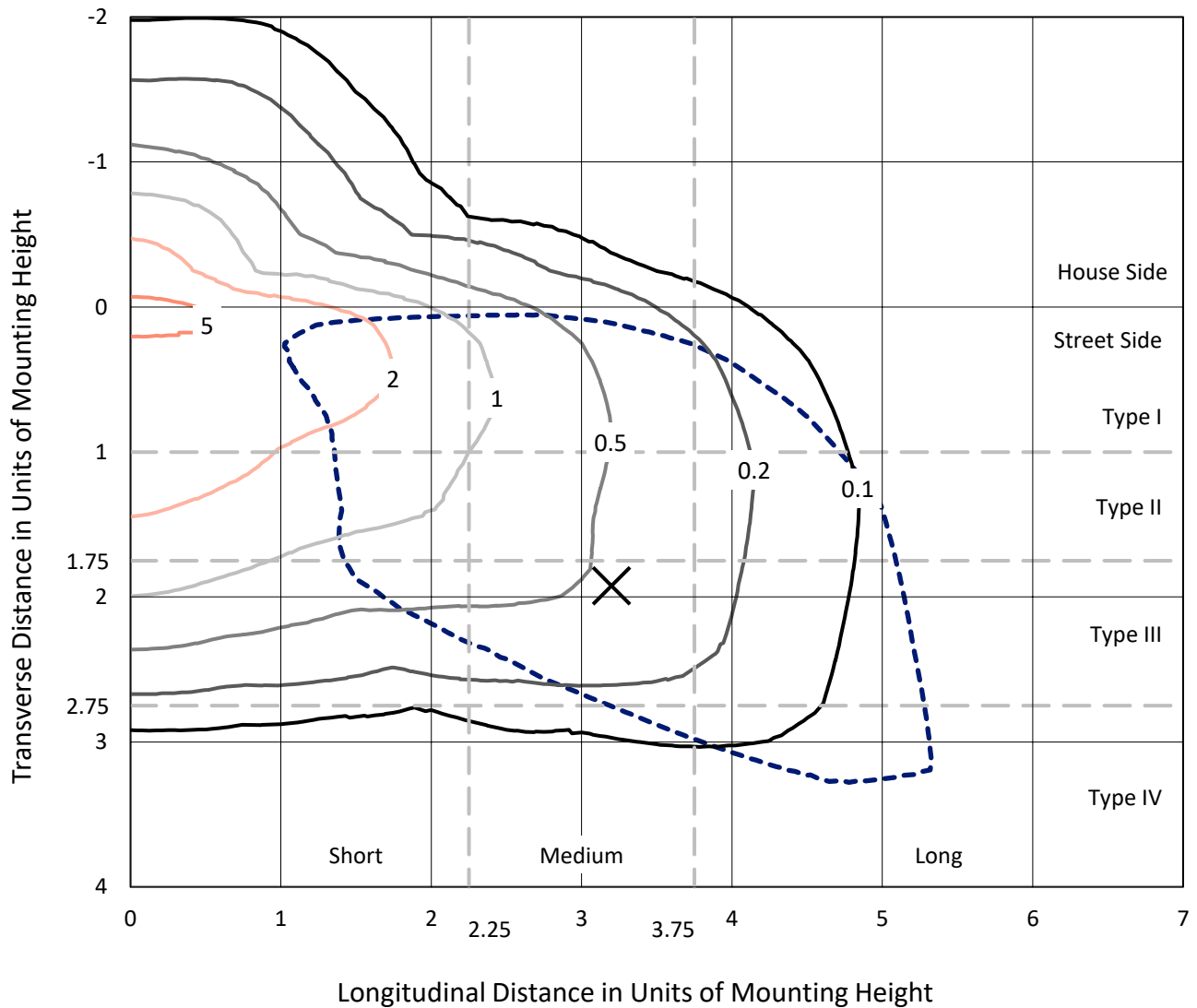
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

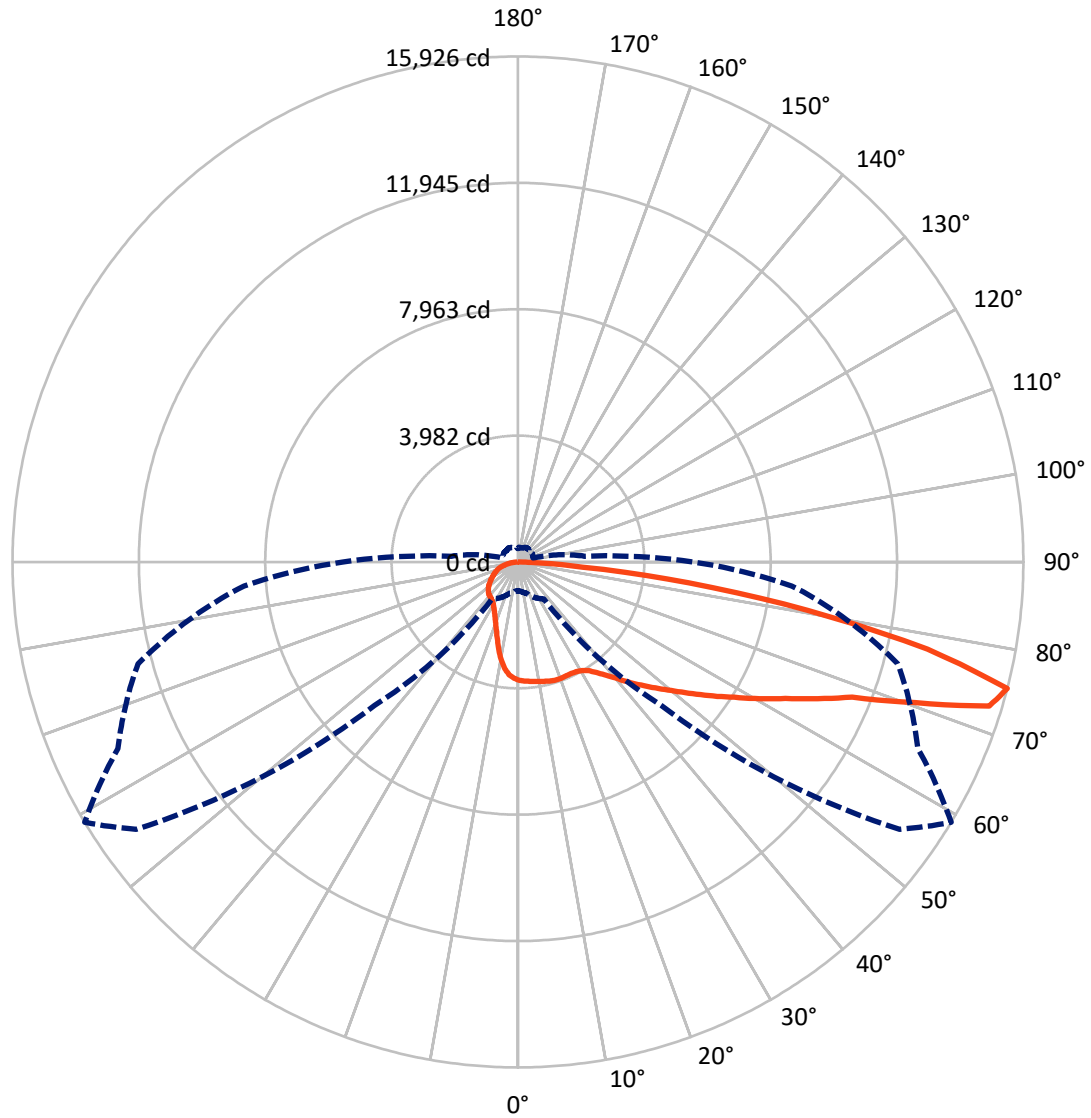
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	3810.0	0.0	3810.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	16504.0	0.0	16504.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	20314.0	0.0	20314.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.3	1.6
10°-20°	854.6	4.2
20°-30°	1298.0	6.4
30°-40°	1929.5	9.5
40°-50°	2869.5	14.1
50°-60°	3894.9	19.2
60°-70°	4755.1	23.4
70°-80°	3731.7	18.4
80°-90°	646.4	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°	20314.0	100.0
0°-180°	20314.0	100.0

Coefficient of Utilization



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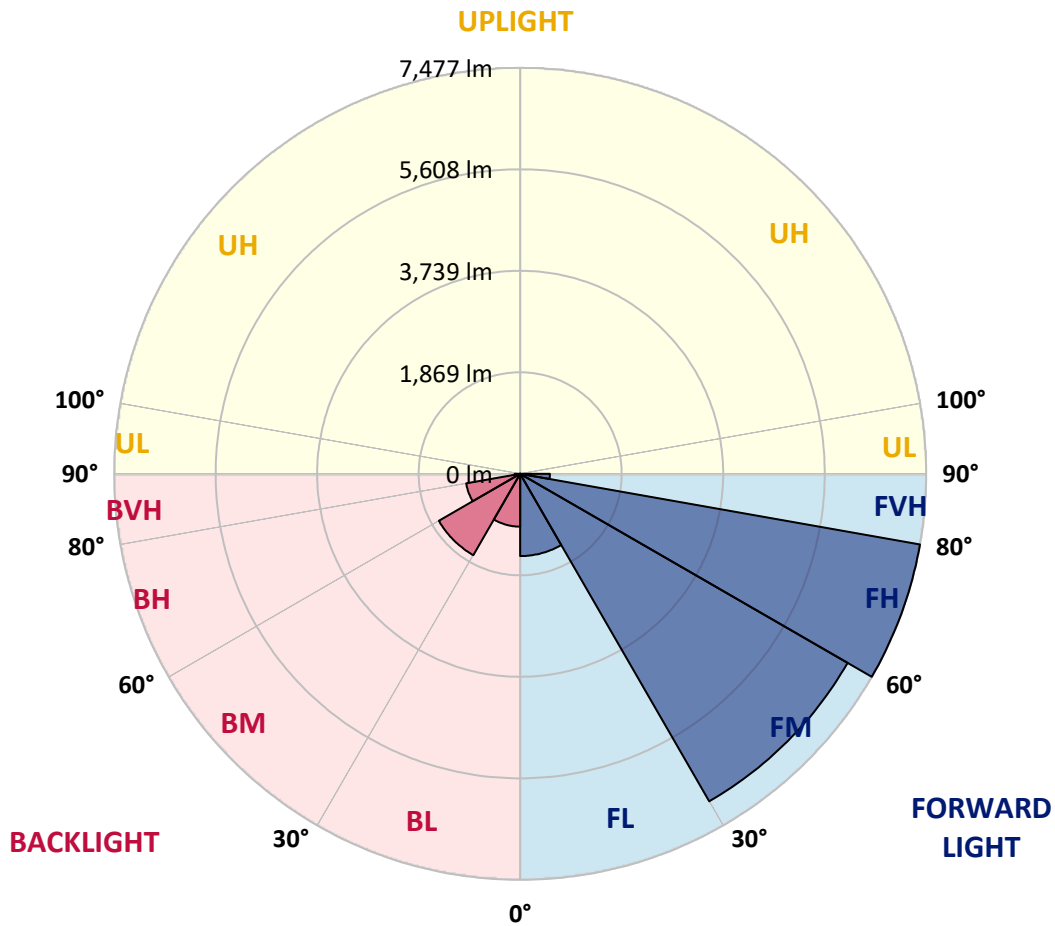
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1514.6	7.5			
FM (30°-60°)	6964.5	34.3			
FH (60°-80°)	7477.4	36.8			G3/7500
FVH (80°-90°)	547.5	2.7			G4/750
BL (0°-30°)	972.3	4.8	B2/1000		
BM (30°-60°)	1729.4	8.5	B2/2500		
BH (60°-80°)	1009.4	5.0	B3/2500		G3/2500
BVH (80°-90°)	99.0	0.5			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	3728.6	3728.6	3728.6	3728.6	3728.6	3728.6	3728.6	3728.6	3728.6	3728.6
2.5°	3760.3	3747.2	3760.3	3754.8	3752.6	3748.3	3749.4	3757.0	3752.6	3758.1
5°	3735.1	3727.5	3740.6	3737.3	3751.5	3753.7	3767.9	3776.7	3782.1	3783.2
7.5°	3693.6	3686.0	3704.5	3719.8	3750.4	3759.2	3788.7	3802.9	3810.5	3823.7
10°	3541.7	3538.4	3584.3	3642.3	3714.4	3759.2	3804.0	3828.0	3840.1	3875.0
12.5°	3272.9	3277.3	3337.4	3448.8	3593.1	3737.3	3821.5	3856.4	3875.0	3918.7
15°	3016.1	3015.0	3080.6	3199.7	3401.8	3641.2	3830.2	3890.3	3922.0	3986.5
17.5°	2867.5	2863.1	2909.0	2999.7	3187.7	3493.6	3808.4	3908.9	3976.7	4057.5
20°	2840.2	2831.4	2855.5	2900.3	3033.6	3331.9	3751.5	3908.9	4020.4	4125.3
22.5°	2939.6	2925.4	2915.6	2910.1	2969.1	3198.6	3687.1	3895.8	4084.8	4222.5
25°	3139.6	3117.7	3067.5	3018.3	3000.8	3138.5	3630.2	3892.5	4181.0	4353.7
27.5°	3463.0	3435.7	3334.1	3216.1	3110.1	3169.1	3605.1	3912.2	4287.0	4492.4
30°	3864.1	3834.6	3706.7	3525.3	3335.2	3282.7	3636.8	3970.1	4422.5	4677.1
32.5°	4223.6	4190.8	4081.6	3896.9	3640.1	3479.4	3737.3	4080.5	4635.6	4933.9
35°	4542.7	4504.5	4406.1	4235.6	4013.8	3755.9	3918.7	4276.1	4938.3	5351.4
37.5°	4855.3	4810.4	4703.4	4523.0	4367.9	4124.2	4169.0	4527.4	5340.5	5858.4
40°	5204.9	5140.5	5010.4	4832.3	4681.5	4555.8	4497.9	4835.6	5749.2	6424.5
42.5°	5543.7	5482.5	5327.3	5175.4	4986.4	4950.3	4879.3	5196.2	6196.1	7046.3
45°	5908.7	5835.5	5647.5	5455.2	5336.1	5212.6	5248.7	5556.8	6634.3	7680.1
47.5°	6250.7	6168.8	5946.9	5732.8	5667.2	5433.3	5587.4	5953.5	7090.0	8322.7
50°	6435.4	6354.6	6169.9	5976.5	5925.1	5705.4	5954.6	6389.5	7567.6	8963.0
52.5°	6589.5	6502.1	6260.6	6153.5	6138.2	6001.6	6407.0	6887.8	8045.1	9529.1
55°	6753.4	6656.2	6348.0	6251.8	6321.8	6333.8	6943.6	7452.8	8550.0	10081.0
57.5°	6942.5	6819.0	6432.1	6334.9	6501.0	6722.8	7559.9	8038.5	9046.1	10592.4
60°	7120.6	6996.0	6593.9	6467.1	6694.4	7174.1	8266.9	8747.8	9607.8	11048.1
62.5°	7155.6	7052.8	6722.8	6721.7	6956.7	7700.9	9104.0	9463.5	10098.4	11498.3
65°	6550.2	6485.7	6290.1	6711.9	7332.6	8459.3	10036.2	10379.3	10722.4	11891.7
67.5°	4985.3	4994.0	4979.8	5794.0	7028.8	9548.8	11385.7	11359.5	11492.8	12333.2
70°	2279.6	2330.9	2665.3	3999.6	5631.1	9674.4	13617.2	13277.4	12460.0	12904.7
72.5°	1231.6	1270.9	1407.5	1937.5	3385.5	8601.3	15284.8	15526.3	13746.2	13289.4
75°	903.7	925.6	1020.7	1231.6	1421.7	6392.8	14687.1	15926.3	13906.8	12392.2
77.5°	676.4	686.3	763.9	975.9	727.8	3370.2	11735.4	13189.9	11904.8	10181.5
80°	490.7	501.6	559.5	732.2	510.3	1232.7	8058.2	9258.1	8153.3	6490.1
82.5°	338.8	343.1	368.3	498.3	356.2	478.6	4572.2	5429.0	4551.5	2277.4
85°	204.4	209.8	220.7	290.7	202.2	227.3	1973.6	2041.3	1360.5	544.2
87.5°	84.1	89.6	98.4	122.4	79.8	63.4	325.7	408.7	254.6	159.5
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°
3728.6	0°	3728.6	3728.6	3728.6	3728.6	3728.6	3728.6	3728.6	3728.6	3728.6	3728.6
3739.5	2.5°	3734.1	3726.4	3705.6	3677.2	3651.0	3618.2	3604.0	3592.0	3581.1	3560.3
3769.0	5°	3757.0	3736.2	3680.5	3608.4	3526.4	3436.8	3349.4	3289.3	3237.9	3199.7
3802.9	7.5°	3792.0	3752.6	3651.0	3503.5	3315.5	3123.2	2949.4	2825.9	2733.1	2699.2
3851.0	10°	3828.0	3781.0	3604.0	3343.9	3019.4	2723.2	2492.6	2365.9	2291.6	2267.5
3907.8	12.5°	3870.7	3801.8	3530.8	3122.1	2688.3	2363.7	2162.6	2088.3	2050.1	2037.0
3977.7	15°	3932.9	3819.3	3420.4	2844.5	2372.4	2101.4	1971.4	1920.0	1900.4	1899.3
4049.9	17.5°	3979.9	3822.6	3248.9	2547.3	2129.8	1943.0	1835.9	1816.2	1829.3	1849.0
4120.9	20°	4032.4	3793.1	3023.7	2276.3	1959.4	1804.2	1759.4	1772.5	1804.2	1832.6
4214.9	22.5°	4069.5	3739.5	2751.6	2065.4	1811.8	1724.4	1722.2	1749.6	1767.0	1781.2
4325.3	25°	4102.3	3648.8	2463.1	1888.3	1690.5	1676.3	1700.4	1691.6	1679.6	1691.6
4435.6	27.5°	4126.4	3505.7	2205.2	1733.2	1605.3	1643.6	1629.3	1609.7	1608.6	1615.1
4565.7	30°	4118.7	3314.4	1993.2	1585.6	1545.2	1582.4	1548.5	1545.2	1541.9	1545.2
4761.3	32.5°	4118.7	3097.0	1830.4	1484.0	1507.0	1492.7	1489.5	1481.8	1468.7	1467.6
5026.8	35°	4141.7	2879.5	1690.5	1429.4	1475.3	1441.4	1443.6	1425.0	1397.7	1384.6
5378.7	37.5°	4188.7	2704.6	1551.8	1403.1	1419.5	1418.4	1409.7	1378.0	1329.9	1288.4
5818.0	40°	4302.3	2653.3	1456.7	1391.1	1393.3	1406.4	1383.5	1322.3	1213.0	1145.2
6263.9	42.5°	4480.4	2739.6	1435.9	1361.6	1375.8	1388.9	1344.1	1202.1	1124.5	1084.0
6731.6	45°	4706.6	2890.4	1480.7	1319.0	1334.3	1357.2	1223.9	1156.2	1121.2	1122.3
7194.9	47.5°	4992.9	3048.9	1563.8	1281.8	1274.2	1287.3	1144.1	1102.6	1054.5	1066.6
7639.7	50°	5324.1	3209.5	1642.5	1231.6	1207.5	1164.9	1092.8	1053.4	992.3	963.8
8069.1	52.5°	5682.5	3364.7	1674.1	1170.4	1135.4	1086.2	1057.8	1009.7	935.4	888.4
8474.6	55°	6022.3	3505.7	1639.2	1097.2	1063.3	1025.0	1020.7	991.2	911.4	845.8
8835.2	57.5°	6343.6	3623.7	1551.8	1022.8	990.1	967.1	996.6	982.4	881.9	797.7
9176.1	60°	6615.7	3704.5	1425.0	947.4	924.5	912.5	957.3	952.9	840.4	746.4
9482.1	62.5°	6832.1	3736.2	1285.1	875.3	869.9	848.0	902.6	902.6	787.9	696.1
9750.9	65°	7001.5	3705.6	1143.1	804.3	815.2	782.4	836.0	829.4	732.2	651.3
10060.2	67.5°	7151.2	3605.1	985.7	734.4	759.5	718.0	766.0	750.7	671.0	606.5
10327.9	70°	7217.9	3371.2	806.5	664.4	695.0	654.6	696.1	667.7	602.1	558.4
10034.0	72.5°	6682.4	2801.9	634.9	591.2	617.4	584.6	620.7	587.9	527.8	508.1
8664.7	75°	5528.4	2102.5	488.5	511.4	531.1	506.0	530.0	506.0	451.3	465.5
6400.5	77.5°	4014.9	1419.5	373.7	427.3	436.0	422.9	443.7	416.4	367.2	363.9
3189.8	80°	1996.5	831.6	292.9	337.7	334.4	325.7	349.7	336.6	295.1	312.5
861.1	82.5°	578.1	356.2	213.1	237.1	230.6	232.8	250.2	256.8	384.7	381.4
267.7	85°	181.4	139.9	127.9	132.2	125.7	128.9	147.5	292.9	271.0	158.5
83.1	87.5°	47.0	48.1	31.7	33.9	35.0	41.5	47.0	178.1	85.2	55.7
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>
3728.6
3550.5
3168.0
2640.2
2230.4
2040.2
1903.6
1856.6
1842.4
1788.9
1699.3
1626.1
1557.2
1481.8
1397.7
1302.6
1154.0
1084.0
1127.8
1097.2
971.5
887.3
845.8
793.4
743.1
692.8
646.9
602.1
549.7
491.8
425.1
347.5
309.3
390.1
171.6
59.0
0.0

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