

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: P953341

Luminaire Tested: **GALN-SB6D-935-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-935-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42667 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

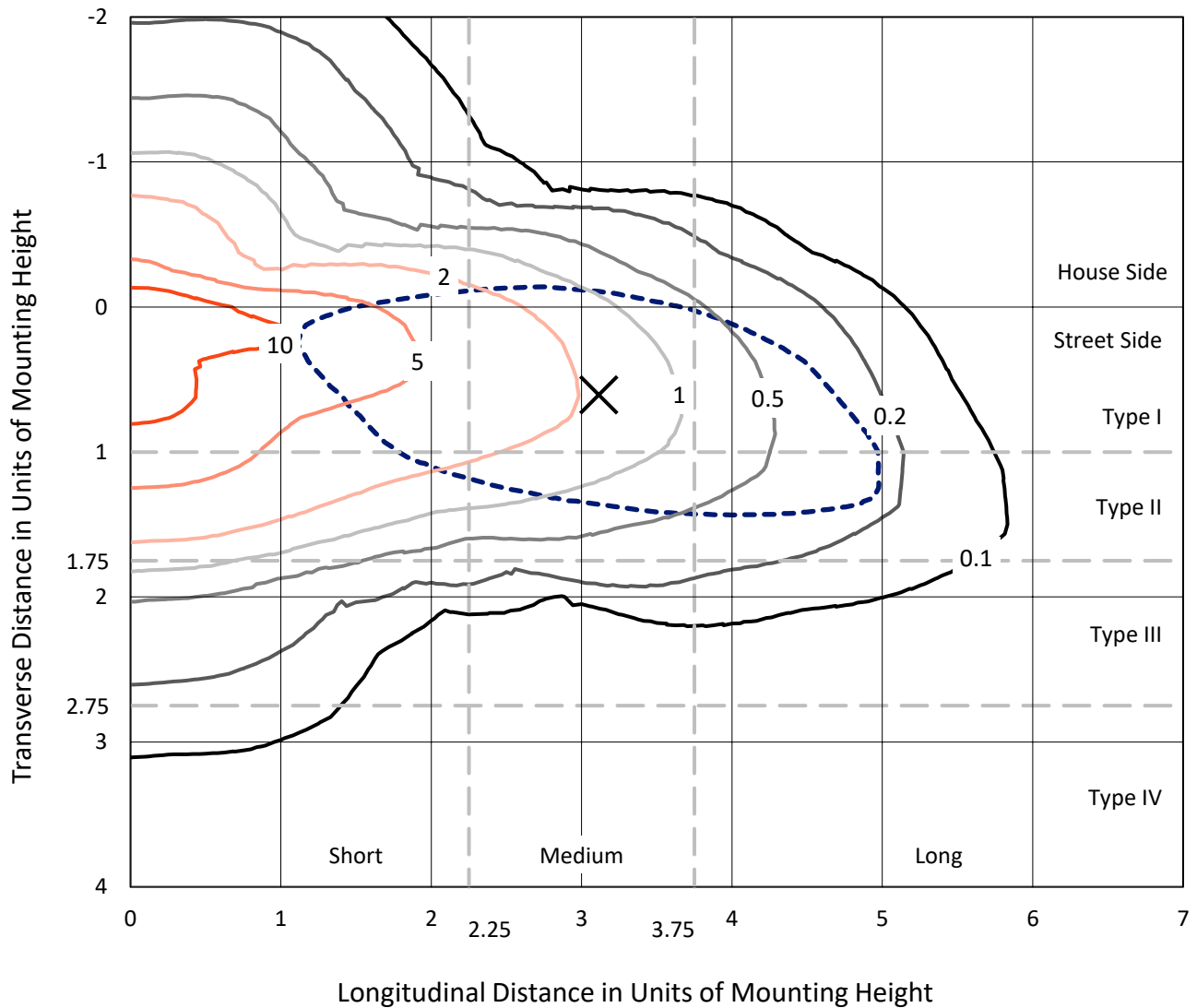
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

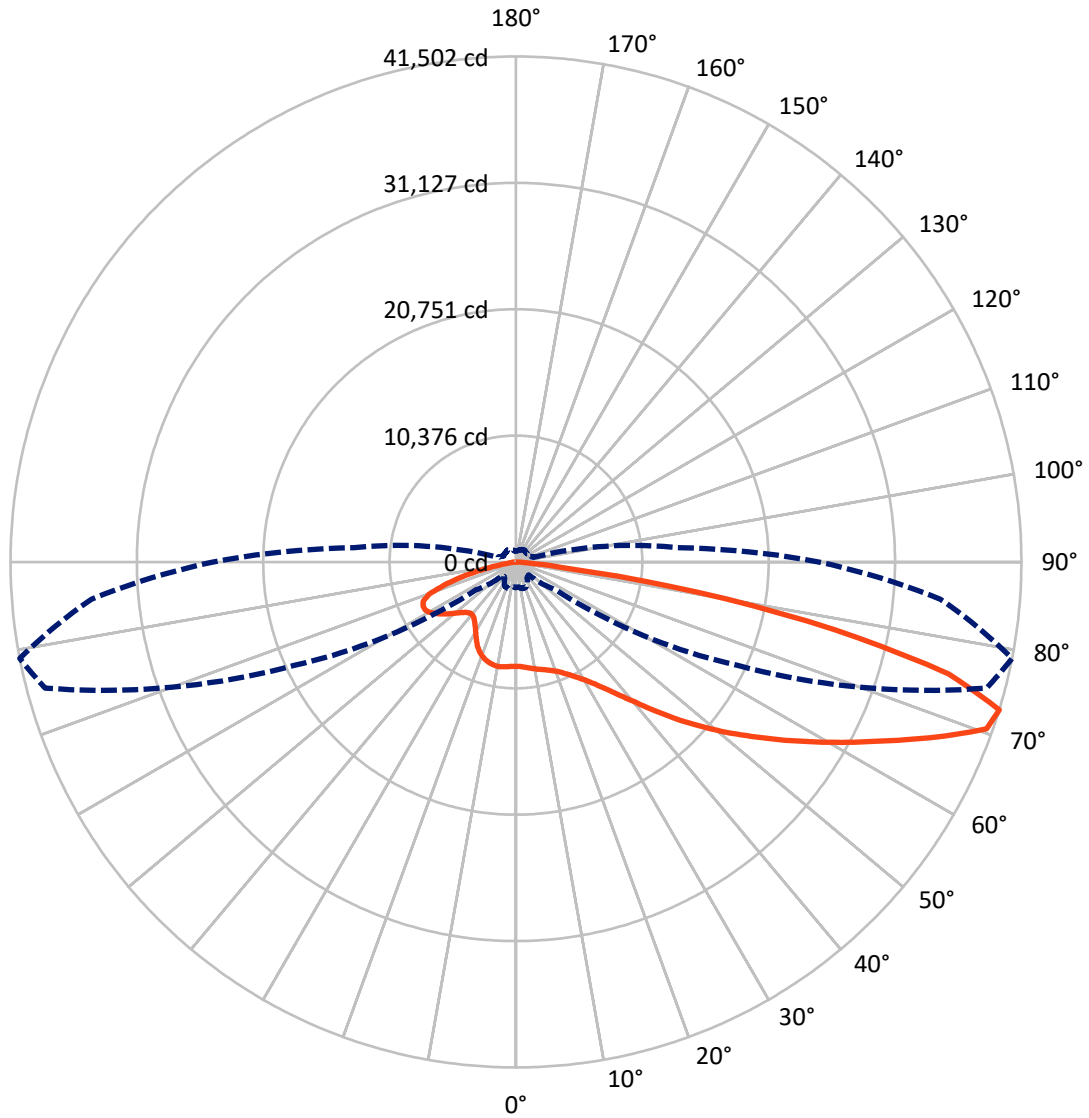
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9389.1	0.0	9389.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	33277.9	0.0	33277.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	42667.0	0.0	42667.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	777.5	1.8
10°-20°	2032.7	4.8
20°-30°	3279.9	7.7
30°-40°	4922.6	11.5
40°-50°	6983.0	16.4
50°-60°	8818.6	20.7
60°-70°	8956.5	21.0
70°-80°	6104.3	14.3
80°-90°	792.0	1.9
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°	42667.0	100.0
0°-180°	42667.0	100.0



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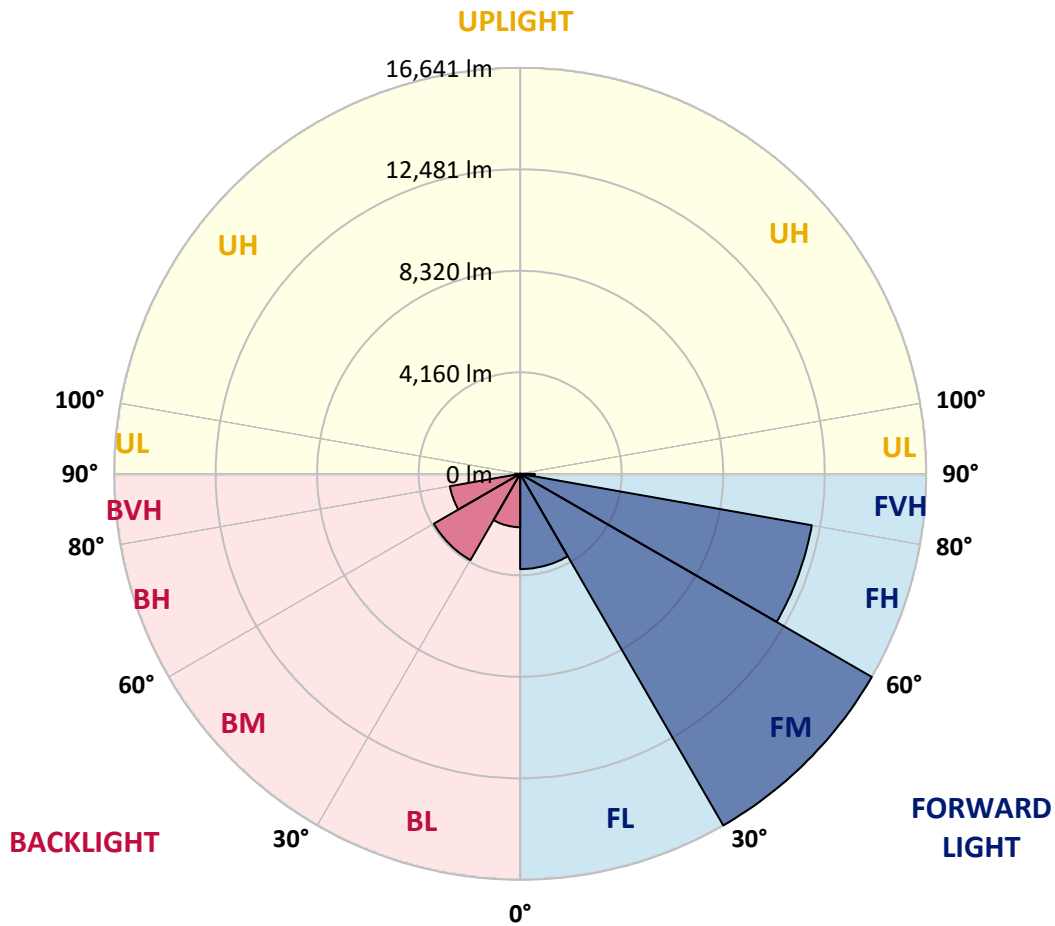
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3903.0	9.1			
FM (30°-60°)	16641.0	39.0			
FH (60°-80°)	12137.3	28.4			G5
FVH (80°-90°)	596.6	1.4			G4/750
BL (0°-30°)	2187.0	5.1	B3/2500		
BM (30°-60°)	4083.3	9.6	B3/5000		
BH (60°-80°)	2923.5	6.9	B4/5000		G4/5000
BVH (80°-90°)	195.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	8565.0	8565.0	8565.0	8565.0	8565.0	8565.0	8565.0	8565.0	8565.0	8565.0
2.5°	8569.5	8528.9	8553.7	8544.7	8556.0	8569.5	8574.0	8580.8	8603.4	8601.1
5°	8551.5	8510.8	8544.7	8533.4	8562.7	8594.3	8621.4	8646.2	8682.4	8698.2
7.5°	8513.1	8486.0	8519.9	8553.7	8607.9	8655.3	8693.6	8750.1	8802.0	8811.0
10°	8289.7	8269.3	8348.3	8436.4	8585.3	8714.0	8797.5	8862.9	8919.3	8928.4
12.5°	8057.2	8032.4	8120.4	8240.0	8481.5	8714.0	8890.0	8975.8	9025.4	9054.7
15°	8018.8	7998.5	8048.2	8152.0	8352.8	8653.0	8953.2	9111.2	9154.0	9187.9
17.5°	8203.9	8165.5	8185.8	8221.9	8339.3	8596.6	9002.8	9264.6	9330.1	9366.2
20°	8632.7	8578.5	8546.9	8474.7	8454.4	8605.6	8998.3	9449.7	9535.5	9580.6
22.5°	9203.7	9167.6	9099.9	8917.1	8718.5	8716.2	9084.1	9686.7	9846.9	9889.8
25°	9894.3	9840.2	9754.4	9506.1	9124.7	8935.1	9228.5	9989.1	10257.7	10269.0
27.5°	10688.8	10607.5	10490.1	10162.9	9648.3	9278.2	9449.7	10336.7	10729.4	10724.9
30°	11526.1	11444.8	11320.7	10923.5	10275.7	9740.8	9756.6	10711.3	11289.1	11264.3
32.5°	12137.7	12076.8	12051.9	11745.0	10997.9	10287.0	10108.7	11126.6	11979.7	11957.1
35°	12607.1	12528.1	12557.5	12401.8	11785.6	10898.6	10539.8	11620.9	12819.3	12817.0
37.5°	13072.1	13002.1	13026.9	12923.1	12514.6	11675.0	11065.7	12225.7	13859.7	13909.4
40°	13496.4	13421.9	13521.2	13424.1	13081.1	12501.1	11663.7	12909.6	15064.9	15159.7
42.5°	13751.4	13692.7	13857.5	13859.7	13573.1	13198.4	12320.5	13663.4	16459.7	16671.8
45°	13839.4	13819.1	14067.4	14119.3	14008.7	13602.4	12911.8	14484.9	17962.8	18342.0
47.5°	13744.6	13706.2	14049.3	14241.1	14329.2	13792.0	13401.6	15374.1	19497.5	20052.7
50°	13266.1	13191.7	13701.7	14105.7	14419.4	13916.1	13895.8	16401.0	21242.1	21849.2
52.5°	12406.3	12349.8	12929.9	13631.8	14220.8	13977.1	14451.0	17522.7	22898.7	23684.1
55°	11307.1	11232.7	11871.4	12787.7	13726.6	13956.8	15006.2	18777.5	24853.2	25649.8
57.5°	9564.8	9415.9	10223.8	11307.1	12920.8	13931.9	15584.0	20025.6	26839.2	27793.9
60°	7023.5	6802.3	7793.1	9077.3	11345.5	13690.4	16299.4	21424.9	29222.5	30082.4
62.5°	4089.5	3960.9	4608.6	5807.0	8551.5	12268.6	16701.2	23052.1	31565.2	32468.0
65°	3175.5	3139.4	3195.8	3288.3	4759.8	9185.6	15462.1	24638.7	34544.3	35176.3
67.5°	2904.7	2877.6	2902.4	2728.6	2414.9	5116.4	12232.5	25040.5	37735.6	38119.3
70°	2581.9	2550.3	2631.6	2482.6	1900.3	2326.9	7903.7	23582.5	40274.7	40994.6
72.5°	2103.4	2067.3	2256.9	2189.2	1600.2	1494.1	3969.9	20118.1	40008.3	41502.4
75°	1616.0	1595.6	1821.3	1877.8	1304.5	1175.9	1904.8	14954.3	35207.9	36713.2
77.5°	1254.8	1239.0	1354.1	1559.5	1051.7	911.8	1171.3	9485.8	26532.3	26796.4
80°	941.1	896.0	1002.1	1207.4	819.3	665.8	794.4	5531.7	16771.1	15202.6
82.5°	589.1	566.5	654.5	805.7	577.8	458.2	516.8	3055.9	6721.1	3958.6
85°	336.3	327.3	356.6	460.4	313.7	264.1	295.7	1349.6	1227.8	844.1
87.5°	135.4	130.9	162.5	205.4	115.1	97.0	103.8	325.0	270.8	250.5
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°
8565.0	0°	8565.0	8565.0	8565.0	8565.0	8565.0	8565.0	8565.0	8565.0	8565.0	8565.0
8598.8	2.5°	8589.8	8589.8	8558.2	8508.6	8452.1	8416.0	8357.4	8341.6	8280.6	8262.6
8675.6	5°	8693.6	8675.6	8578.5	8438.6	8246.8	8070.7	7876.6	7754.8	7583.2	7522.3
8826.8	7.5°	8824.5	8774.9	8607.9	8300.9	7899.2	7504.2	7093.5	6782.0	6484.1	6378.0
8950.9	10°	8944.2	8874.2	8589.8	8052.7	7357.5	6673.7	6019.2	5561.0	5213.5	5071.3
9088.6	12.5°	9063.8	8935.1	8470.2	7639.7	6587.9	5660.3	4963.0	4606.4	4392.0	4220.4
9201.4	15°	9176.6	8996.1	8285.1	7086.7	5743.9	4802.7	4288.1	4003.8	3832.2	3719.4
9366.2	17.5°	9307.5	9048.0	8007.5	6384.8	4940.4	4209.1	3789.4	3617.8	3584.0	3570.4
9591.9	20°	9490.3	9095.4	7641.9	5599.4	4349.1	3735.2	3518.5	3502.7	3500.5	3493.7
9862.7	22.5°	9686.7	9151.8	7158.9	4886.2	3845.8	3439.5	3401.2	3369.6	3349.3	3347.0
10190.0	25°	9919.1	9169.8	6554.1	4301.7	3417.0	3299.6	3254.5	3207.1	3193.5	3193.5
10562.4	27.5°	10144.8	9108.9	5849.9	3793.9	3175.5	3171.0	3112.3	3096.5	3094.2	3101.0
10986.7	30°	10370.5	8993.8	5150.3	3324.4	3035.6	3035.6	3015.2	3026.5	3035.6	3058.1
11568.9	32.5°	10675.2	8871.9	4565.7	2976.9	2913.7	2891.1	2911.4	2934.0	2943.0	2972.4
12334.0	35°	11122.1	8786.2	4100.8	2787.3	2787.3	2758.0	2769.2	2764.7	2744.4	2730.9
13259.4	37.5°	11713.4	8781.7	3717.1	2699.3	2681.2	2676.7	2679.0	2649.6	2570.6	2475.8
14378.8	40°	12424.3	8903.5	3421.5	2638.3	2624.8	2651.9	2638.3	2559.3	2342.7	2177.9
15755.5	42.5°	13379.0	9251.1	3231.9	2563.9	2604.5	2638.3	2584.2	2311.1	2164.4	2053.8
17324.1	45°	14502.9	9815.3	3134.9	2484.9	2566.1	2606.7	2344.9	2225.3	2108.0	1974.8
19034.8	47.5°	15775.8	10526.3	3112.3	2410.4	2480.4	2505.2	2243.4	2189.2	2056.1	1911.6
20754.6	50°	17161.6	11368.1	3173.2	2322.4	2356.2	2270.5	2209.5	2159.9	2022.2	1880.0
22517.2	52.5°	18594.7	12295.7	3295.1	2202.7	2232.1	2137.3	2196.0	2153.1	2001.9	1810.0
24338.6	55°	20003.0	13230.0	3412.5	2062.8	2105.7	2017.7	2157.6	2126.0	1909.4	1692.7
26281.8	57.5°	21433.9	14159.9	3527.6	1938.7	1983.8	1902.6	2096.7	2053.8	1805.5	1584.4
28403.3	60°	22921.2	15062.7	3581.7	1819.1	1850.7	1796.5	2004.1	1929.7	1688.2	1473.8
30488.7	62.5°	24313.8	15814.2	3493.7	1699.5	1719.8	1697.2	1882.3	1783.0	1570.8	1349.6
32662.1	65°	25710.8	16261.1	3222.9	1582.1	1586.6	1575.3	1710.7	1625.0	1433.1	1241.3
34564.7	67.5°	26976.9	16511.6	2791.8	1455.7	1444.4	1439.9	1550.5	1453.5	1300.0	1133.0
36011.3	70°	27245.5	15875.1	2132.8	1306.8	1306.8	1295.5	1374.5	1275.2	1153.3	1017.9
34975.4	72.5°	24884.8	13354.2	1514.4	1137.5	1155.5	1133.0	1198.4	1114.9	1004.3	914.1
30143.4	75°	20066.2	9792.8	1101.4	963.7	995.3	956.9	1017.9	959.2	864.4	862.1
20772.7	77.5°	13787.5	6055.3	798.9	794.4	817.0	767.4	837.3	805.7	720.0	681.6
9041.2	80°	5883.8	2414.9	582.3	613.9	613.9	568.7	650.0	659.0	584.5	566.5
1744.6	82.5°	1171.3	686.1	408.5	422.0	397.2	383.7	460.4	510.1	704.2	783.1
525.9	85°	352.1	252.8	246.0	230.2	203.1	205.4	270.8	512.3	631.9	361.1
173.8	87.5°	97.0	63.2	65.5	51.9	42.9	56.4	92.5	388.2	212.2	90.3
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>
8565.0
8291.9
7567.4
6391.6
5102.9
4276.9
3739.7
3579.5
3516.3
3371.8
3207.1
3119.1
3073.9
2997.2
2762.5
2478.1
2173.4
2049.3
1965.8
1900.3
1864.2
1796.5
1681.4
1579.8
1467.0
1347.4
1227.8
1119.4
1013.4
887.0
776.4
638.7
566.5
785.4
311.5
76.7
0.0

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