

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: P942768

Luminaire Tested: **GALN-SB6D-935-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
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-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32502 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

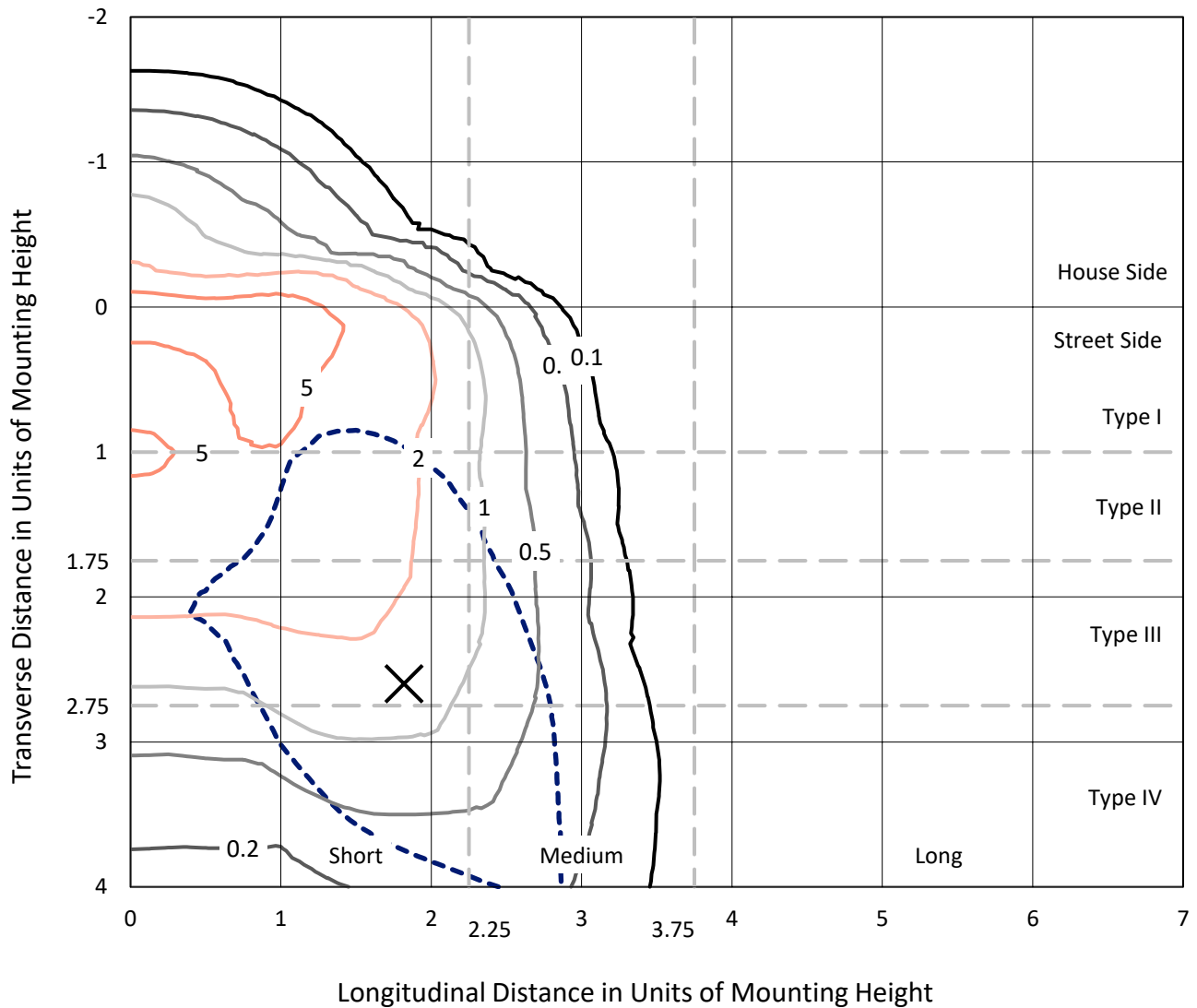
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

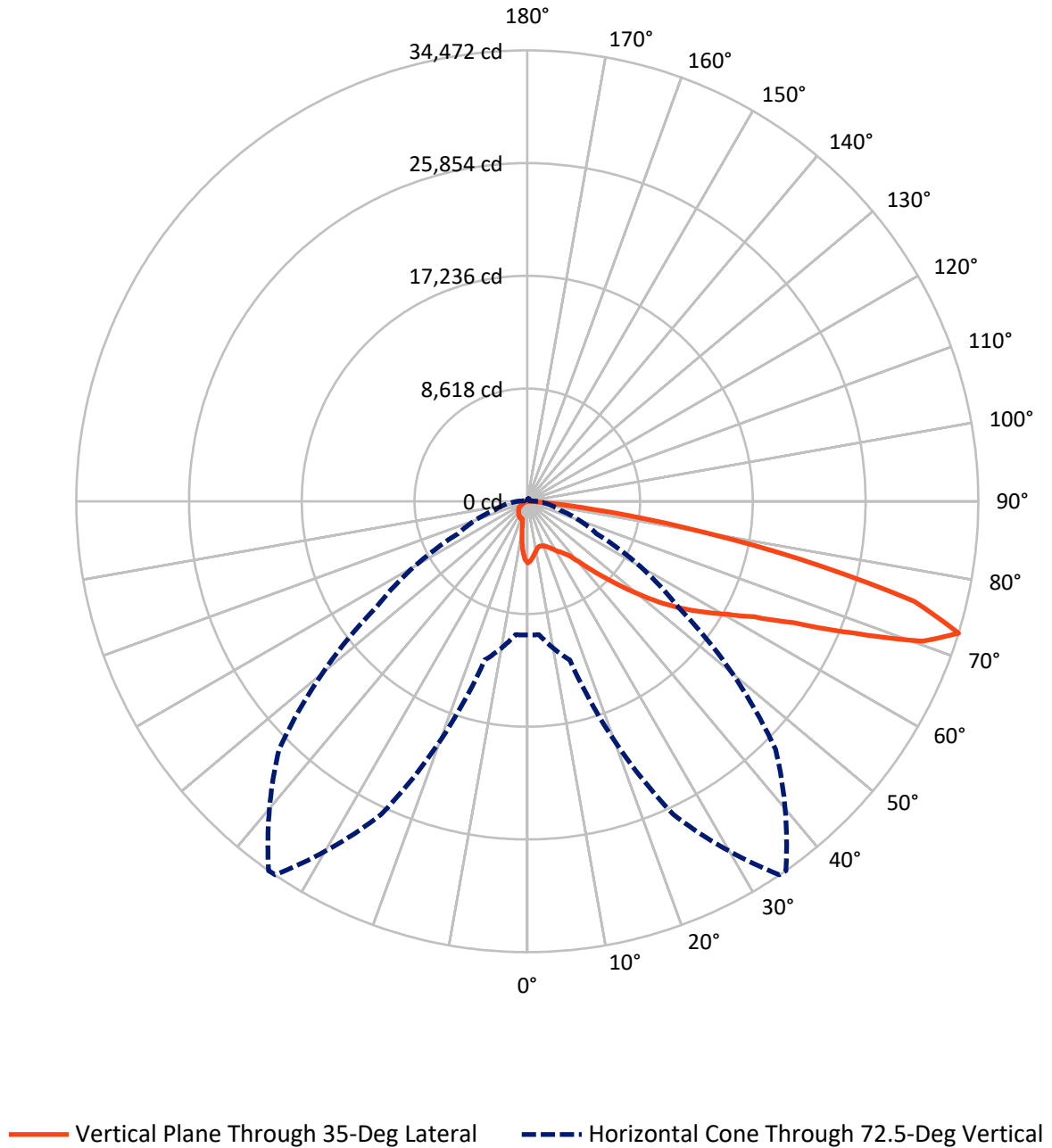
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3658.0	0.0	3658.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	28844.0	0.0	28844.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	32502.0	0.0	32502.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.1	1.2
10°-20°	905.5	2.8
20°-30°	1471.0	4.5
30°-40°	2454.4	7.6
40°-50°	4643.8	14.3
50°-60°	7379.0	22.7
60°-70°	9128.3	28.1
70°-80°	5674.2	17.5
80°-90°	458.6	1.4
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°	32502.0	100.0
0°-180°	32502.0	100.0

Coefficient of Utilization



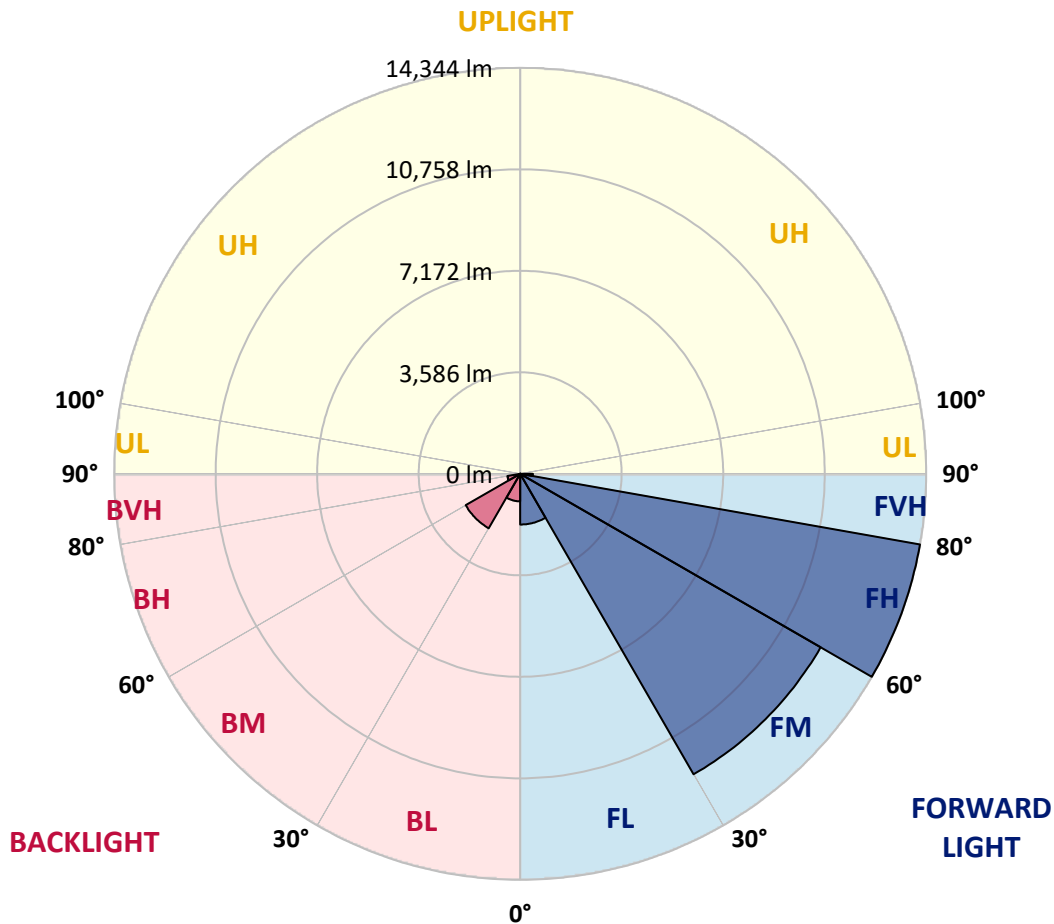
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1791.7	5.5			
FM (30°-60°)	12256.5	37.7			
FH (60°-80°)	14343.5	44.1			G5
FVH (80°-90°)	452.3	1.4			G3/500
BL (0°-30°)	972.0	3.0	B2/1000		
BM (30°-60°)	2220.7	6.8	B2/2500		
BH (60°-80°)	459.0	1.4	B1/500		G1/500
BVH (80°-90°)	6.2	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4710.6	4710.6	4710.6	4710.6	4710.6	4710.6	4710.6	4710.6	4710.6	4710.6
2.5°	4501.1	4539.2	4546.3	4558.2	4558.2	4572.5	4596.3	4629.7	4684.4	4713.0
5°	4148.6	4177.2	4212.9	4241.5	4296.2	4303.4	4396.3	4486.8	4613.0	4708.2
7.5°	3793.7	3827.1	3874.7	3943.8	4015.2	4036.7	4177.2	4329.6	4529.6	4708.2
10°	3543.7	3546.1	3588.9	3658.0	3772.3	3798.5	3970.0	4186.7	4436.8	4679.7
12.5°	3403.2	3419.9	3438.9	3491.3	3600.8	3617.5	3800.9	4055.7	4343.9	4663.0
15°	3403.2	3415.1	3427.0	3453.2	3541.3	3555.6	3717.5	3972.4	4296.2	4670.1
17.5°	3438.9	3458.0	3448.4	3479.4	3572.3	3581.8	3724.7	3948.5	4293.9	4715.4
20°	3524.6	3538.9	3519.9	3538.9	3631.8	3650.9	3798.5	3993.8	4334.4	4794.0
22.5°	3660.4	3667.5	3622.3	3636.6	3731.8	3755.6	3927.1	4122.4	4432.0	4920.2
25°	3831.9	3846.1	3777.1	3793.7	3884.2	3912.8	4110.5	4315.3	4586.8	5094.1
27.5°	4029.5	4036.7	3977.1	3974.7	4091.4	4131.9	4332.0	4553.4	4794.0	5313.2
30°	4255.8	4277.2	4220.0	4210.5	4358.2	4391.5	4589.2	4846.4	5098.8	5641.8
32.5°	4434.4	4451.0	4417.7	4441.5	4591.6	4617.8	4901.2	5260.8	5577.5	6108.6
35°	4691.6	4701.1	4624.9	4667.8	4839.2	4905.9	5327.4	5841.8	6180.0	6694.4
37.5°	5622.7	5622.7	5298.9	5086.9	5251.2	5310.8	5910.9	6573.0	6923.1	7480.3
40°	6911.1	6889.7	6415.8	5982.4	5960.9	6077.6	6742.1	7494.6	7882.8	8423.4
42.5°	8285.3	8251.9	7606.5	7177.9	7106.4	7146.9	7701.8	8630.6	9025.9	9573.7
45°	9504.6	9495.1	8904.5	8328.1	8199.5	8328.1	8899.7	9959.5	10242.9	10819.2
47.5°	10526.3	10526.3	10095.2	9718.9	9652.3	9728.5	10521.5	11433.6	11407.4	12145.7
50°	11702.7	11693.2	11283.6	11121.7	11190.7	11297.9	12388.6	12986.4	12612.5	13448.4
52.5°	12526.7	12583.9	12443.4	12417.2	12769.7	12955.4	14284.3	14505.8	13691.3	14684.4
55°	13179.3	13246.0	13407.9	13591.3	14270.0	14512.9	16120.5	15946.6	14593.9	15756.1
57.5°	14103.3	14008.0	14258.1	14620.1	15718.0	16010.9	17899.4	17306.4	15320.3	16625.3
60°	15225.0	15239.3	15282.2	15739.4	17163.6	17539.8	19652.2	18592.5	15787.0	17158.8
62.5°	16572.9	16594.4	16682.5	17385.0	19104.5	19459.3	21519.3	19645.1	16001.4	17008.8
65°	16480.1	16570.6	17554.1	19957.1	22055.2	22405.3	23698.4	20383.4	15677.5	15637.0
67.5°	15013.0	15160.7	16806.3	23029.2	26503.8	26894.4	26332.4	20528.6	14279.5	12160.0
70°	13088.8	13141.2	15120.2	25791.8	31655.0	32050.4	28690.1	18930.6	10835.9	6782.5
72.5°	10221.4	10233.4	12555.3	26432.4	34450.9	34472.4	26839.6	14053.3	5827.6	2605.4
75°	7301.7	7230.3	8409.1	21436.0	30309.5	30552.4	20121.4	6592.0	2226.7	1231.2
77.5°	3915.2	3993.8	4758.3	12712.5	20938.2	21352.6	10978.8	1900.4	1133.6	838.3
80°	1209.8	1276.5	1950.5	5820.4	11859.9	12110.0	4070.0	845.4	790.7	597.8
82.5°	381.0	395.3	909.7	2445.8	4922.6	5036.9	1178.8	478.7	540.6	395.3
85°	109.5	111.9	404.9	912.1	1217.0	1240.8	331.0	185.8	309.6	245.3
87.5°	11.9	38.1	152.4	152.4	107.2	104.8	35.7	40.5	88.1	31.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4710.6	0°	4710.6	4710.6	4710.6	4710.6	4710.6	4710.6	4710.6	4710.6	4710.6	4710.6
4732.1	2.5°	4720.2	4722.5	4691.6	4639.2	4582.0	4534.4	4474.9	4427.2	4393.9	4384.4
4774.9	5°	4753.5	4736.8	4648.7	4489.1	4298.6	4134.3	3950.9	3805.7	3710.4	3669.9
4820.2	7.5°	4803.5	4755.9	4563.0	4248.6	3884.2	3560.4	3231.7	2976.9	2814.9	2734.0
4863.0	10°	4846.4	4751.1	4420.1	3900.9	3343.6	2853.1	2410.1	2102.9	1931.4	1850.4
4913.1	12.5°	4886.9	4748.7	4234.3	3488.9	2734.0	2133.8	1721.8	1569.4	1521.8	1505.1
4994.0	15°	4963.1	4755.9	4000.9	3017.4	2126.7	1612.3	1462.2	1459.9	1469.4	1464.6
5117.9	17.5°	5067.9	4763.0	3736.6	2517.3	1640.9	1421.8	1414.6	1436.1	1450.3	1443.2
5272.7	20°	5203.6	4791.6	3455.6	2021.9	1409.9	1374.1	1390.8	1409.9	1421.8	1409.9
5479.9	22.5°	5394.1	4841.6	3148.4	1624.2	1336.0	1345.6	1359.8	1381.3	1393.2	1376.5
5744.2	25°	5627.5	4920.2	2845.9	1412.2	1300.3	1312.2	1333.6	1357.5	1371.8	1355.1
6077.6	27.5°	5930.0	5046.4	2567.3	1364.6	1264.6	1271.7	1302.7	1338.4	1357.5	1336.0
6551.5	30°	6368.2	5253.6	2326.7	1386.0	1243.1	1226.5	1269.3	1319.4	1340.8	1321.7
7196.9	32.5°	6949.3	5546.5	2179.1	1419.4	1233.6	1174.1	1214.6	1278.9	1314.6	1302.7
8040.0	35°	7711.3	5991.9	2121.9	1457.5	1226.5	1119.3	1147.9	1217.0	1278.9	1290.8
9102.1	37.5°	8635.4	6611.1	2138.6	1474.2	1205.0	1074.1	1088.4	1147.9	1228.9	1267.0
10297.7	40°	9685.6	7332.7	2233.9	1457.5	1181.2	1036.0	1038.3	1083.6	1155.0	1212.2
11583.7	42.5°	10769.2	8175.7	2410.1	1395.6	1159.8	1002.6	995.5	1026.4	1074.1	1114.5
12867.3	45°	11800.4	9042.6	2583.9	1309.8	1133.6	969.3	952.6	964.5	974.0	990.7
14117.6	47.5°	12700.6	9652.3	2533.9	1231.2	1097.9	931.2	902.6	897.8	869.3	866.9
15234.5	50°	13322.2	9785.6	2250.5	1152.7	1045.5	888.3	843.1	814.5	764.5	740.7
16070.4	52.5°	13519.8	9259.3	1838.5	1074.1	959.7	831.1	766.8	721.6	659.7	638.2
16551.5	55°	13257.9	8228.1	1469.4	978.8	840.7	754.9	683.5	624.0	573.9	547.7
16603.9	57.5°	12617.2	6915.9	1162.2	866.9	714.5	669.2	597.8	538.2	495.4	469.2
16022.8	60°	11555.1	5491.8	919.3	733.5	609.7	576.3	502.5	464.4	426.3	395.3
14522.5	62.5°	9942.8	3920.0	721.6	581.1	509.6	471.5	428.7	400.1	354.8	312.0
11824.2	65°	7759.0	2398.2	557.3	426.3	409.6	390.6	364.4	338.2	283.4	240.5
7713.7	67.5°	4894.0	1136.0	397.7	321.5	323.9	314.4	302.5	281.0	240.5	202.4
3455.6	70°	2155.3	550.1	262.0	245.3	240.5	240.5	250.1	242.9	204.8	169.1
1200.3	72.5°	733.5	295.3	195.3	185.8	173.9	171.5	209.6	202.4	164.3	131.0
597.8	75°	383.4	197.7	142.9	133.4	104.8	126.2	166.7	157.2	116.7	85.7
395.3	77.5°	250.1	140.5	97.6	85.7	59.5	83.4	123.8	109.5	69.1	42.9
259.6	80°	157.2	92.9	57.2	40.5	28.6	45.2	66.7	47.6	26.2	9.5
152.4	82.5°	83.4	47.6	21.4	14.3	11.9	14.3	16.7	11.9	4.8	0.0
78.6	85°	33.3	16.7	7.1	4.8	2.4	0.0	4.8	2.4	0.0	0.0
14.3	87.5°	11.9	2.4	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>
4710.6
4401.0
3684.2
2745.9
1852.8
1500.4
1462.2
1440.8
1407.5
1374.1
1352.7
1336.0
1319.4
1302.7
1290.8
1276.5
1231.2
1131.2
1000.2
864.5
743.0
635.9
547.7
464.4
388.2
304.8
233.4
197.7
161.9
123.8
78.6
38.1
7.1
0.0
0.0
0.0
0.0

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