

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: P948353

Luminaire Tested: **GALN-SB3B-935-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3B-935-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11911 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

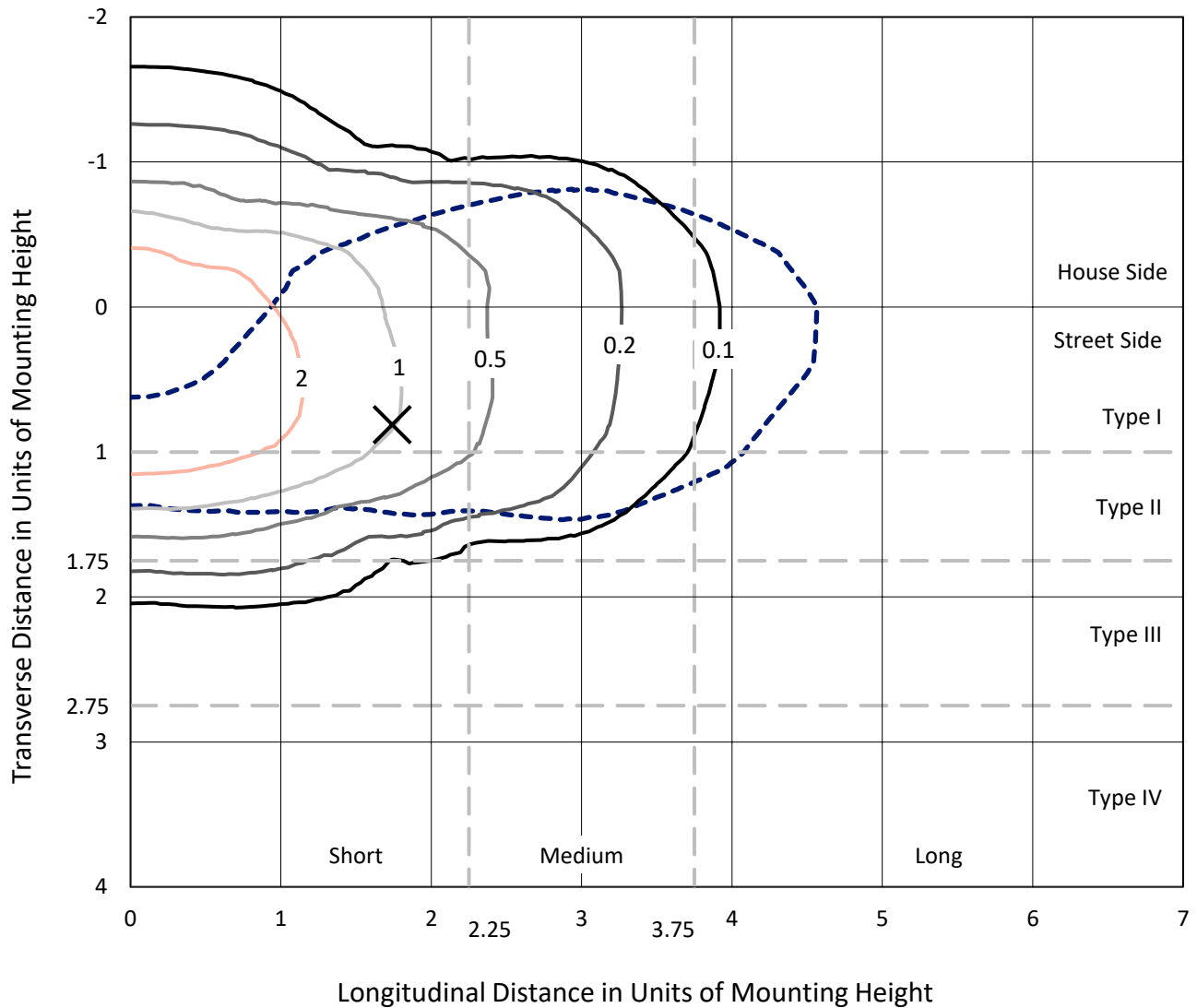
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

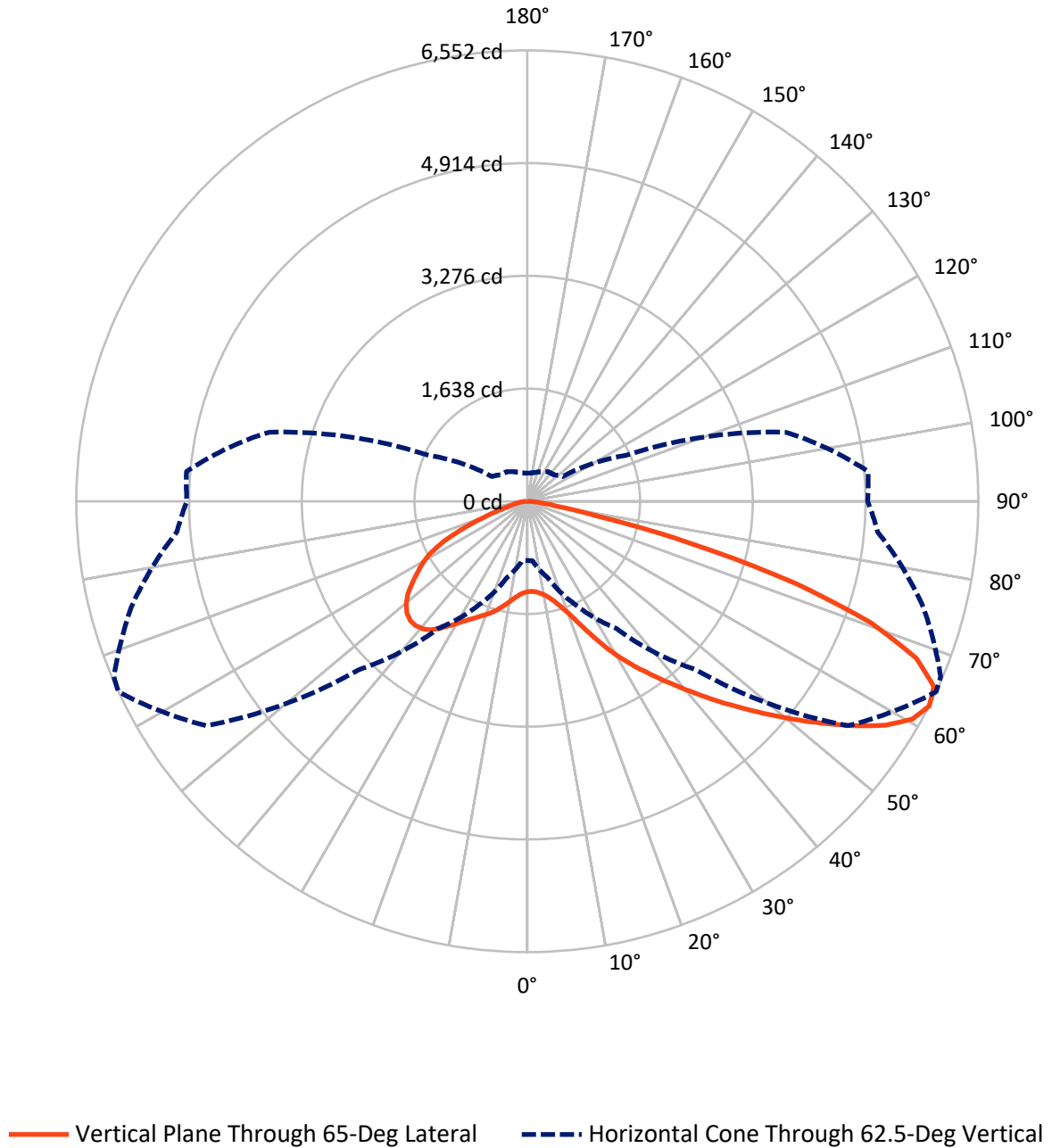
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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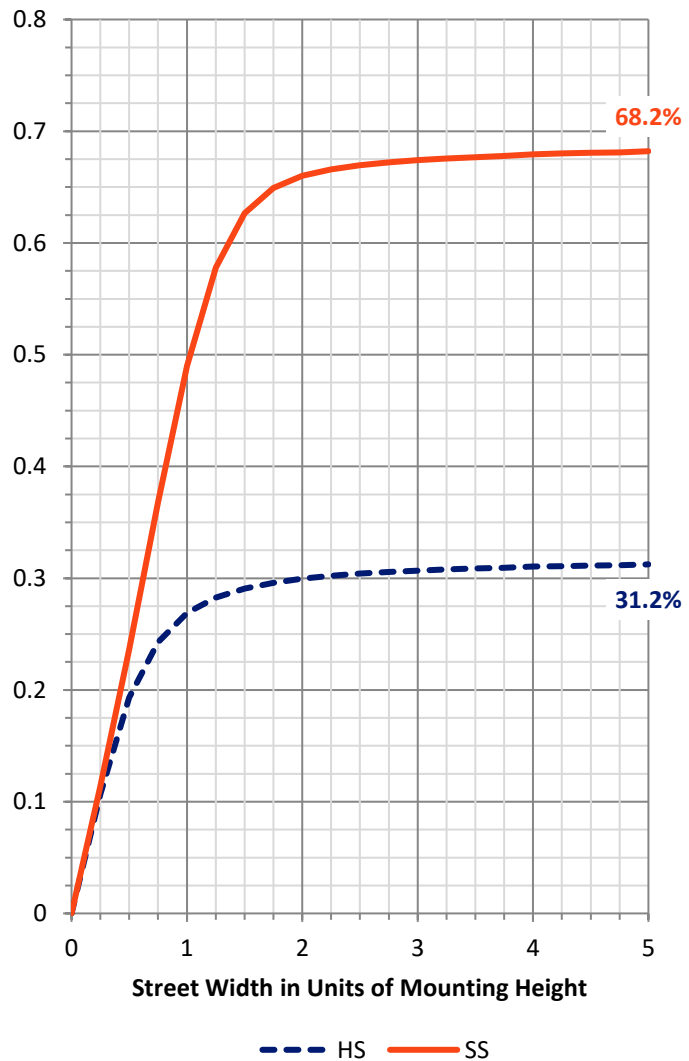
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3758.6	0.0	3758.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	8152.4	0.0	8152.4
	% Fixture	68.4	0.0	68.4
Total	Lumens	11911.0	0.0	11911.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.9	1.1
10°-20°	443.8	3.7
20°-30°	899.8	7.6
30°-40°	1557.0	13.1
40°-50°	2356.2	19.8
50°-60°	2762.5	23.2
60°-70°	2316.1	19.4
70°-80°	1278.7	10.7
80°-90°	166.1	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°	11911.0	100.0
0°-180°	11911.0	100.0

Coefficient of Utilization



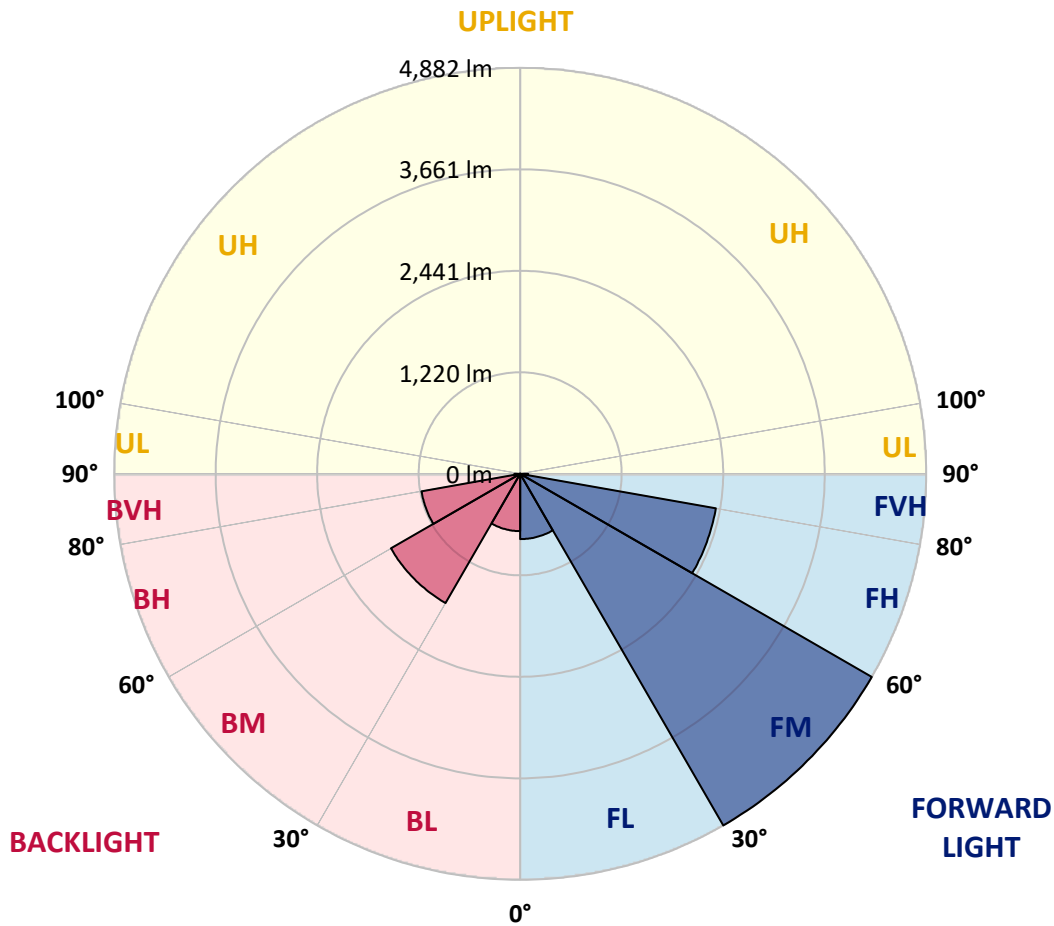
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	785.1	6.6			
FM	(30°-60°)	4881.5	41.0			
FH	(60°-80°)	2389.0	20.1			G2/5000
FVH	(80°-90°)	96.8	0.8			G1/100
BL	(0°-30°)	689.3	5.8	B2/1000		
BM	(30°-60°)	1794.3	15.1	B2/2500		
BH	(60°-80°)	1205.7	10.1	B3/2500		G3/2500
BVH	(80°-90°)	69.3	0.6			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5
2.5°	1303.9	1300.2	1303.3	1303.3	1304.5	1303.9	1308.2	1309.5	1311.3	1315.0
5°	1290.9	1290.3	1295.9	1300.8	1305.7	1310.1	1315.6	1323.7	1324.9	1329.2
7.5°	1286.6	1282.9	1291.5	1297.7	1309.5	1320.0	1334.8	1348.4	1353.9	1355.8
10°	1320.0	1313.8	1321.8	1325.5	1335.4	1345.9	1363.2	1384.8	1391.0	1398.4
12.5°	1376.8	1370.0	1381.8	1387.3	1396.6	1405.9	1417.6	1438.6	1441.7	1455.3
15°	1454.7	1446.6	1454.1	1460.9	1476.3	1485.0	1496.7	1517.1	1517.1	1527.6
17.5°	1560.3	1549.8	1555.4	1557.9	1567.8	1580.7	1600.5	1618.4	1627.7	1624.0
20°	1717.9	1704.9	1704.9	1692.6	1688.9	1699.4	1725.3	1750.1	1759.9	1740.8
22.5°	1954.6	1936.1	1925.6	1883.5	1866.8	1868.1	1894.0	1924.3	1932.4	1898.4
25°	2255.5	2226.5	2212.3	2150.5	2112.8	2080.0	2100.4	2139.4	2150.5	2108.5
27.5°	2556.5	2558.3	2544.7	2470.6	2408.2	2348.2	2337.7	2378.5	2390.3	2342.7
30°	2978.6	2934.7	2908.7	2819.7	2730.8	2646.7	2603.5	2620.1	2623.2	2566.4
32.5°	3342.5	3331.4	3275.8	3197.9	3083.6	2952.0	2879.7	2853.1	2848.2	2767.2
35°	3757.2	3751.0	3692.3	3599.6	3476.0	3293.1	3162.7	3086.7	3080.5	2966.8
37.5°	4178.6	4178.6	4121.2	4019.8	3891.9	3663.2	3464.9	3344.4	3324.6	3176.3
40°	4514.8	4494.4	4504.9	4462.3	4315.8	4073.0	3800.4	3625.6	3599.0	3421.0
42.5°	4705.7	4698.9	4762.0	4809.6	4749.6	4555.6	4170.0	3930.2	3893.1	3690.4
45°	4748.4	4741.0	4853.4	5027.7	5111.7	5032.0	4571.6	4250.9	4205.8	3972.2
47.5°	4650.1	4635.3	4800.3	5075.3	5344.7	5485.0	5006.7	4598.8	4533.3	4246.6
50°	4354.7	4340.5	4590.2	4955.4	5423.2	5792.7	5478.8	4967.8	4867.6	4540.7
52.5°	3712.7	3719.5	4110.6	4612.4	5320.0	5984.3	5885.4	5356.5	5235.9	4841.7
55°	2892.0	2906.9	3387.6	3940.1	4907.2	5955.3	6162.9	5756.9	5637.0	5124.7
57.5°	2070.8	2136.3	2586.8	3133.7	4114.4	5494.9	6223.4	6137.5	6021.4	5433.7
60°	1342.2	1353.9	1817.4	2368.6	3133.0	4676.7	6100.5	6426.1	6335.3	5748.9
62.5°	860.2	868.2	1150.6	1656.7	2254.9	3459.9	5686.4	6551.6	6523.8	5957.1
65°	632.2	626.0	773.1	1095.0	1518.9	2133.8	4882.5	6491.0	6546.0	6087.5
67.5°	527.7	519.1	591.4	758.2	1119.1	1211.8	3612.6	6097.4	6298.8	6072.7
70°	480.8	473.4	517.2	563.0	873.2	811.4	1821.1	5300.8	5611.0	5904.0
72.5°	407.2	394.3	454.2	499.9	679.1	622.3	752.7	4071.7	4449.9	5363.2
75°	315.8	307.1	358.4	440.0	510.4	485.7	475.8	2472.4	2885.2	4147.7
77.5°	250.3	238.5	285.5	343.0	459.1	366.4	346.7	1064.7	1473.8	2647.9
80°	188.5	178.0	216.9	271.3	352.9	276.2	224.3	434.4	555.5	1341.6
82.5°	134.1	124.8	151.4	199.0	237.3	247.8	137.8	243.5	273.8	517.2
85°	85.9	80.3	101.3	124.8	150.8	159.4	84.0	127.3	139.7	213.2
87.5°	47.0	38.3	54.4	58.1	69.8	63.6	40.2	46.3	50.1	77.2
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°
1312.5	0°	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5
1315.0	2.5°	1317.5	1319.3	1325.5	1327.4	1331.7	1337.3	1341.0	1344.7	1344.7	1348.4
1334.8	5°	1335.4	1339.7	1352.7	1359.5	1370.6	1381.8	1388.5	1396.6	1401.5	1404.0
1366.3	7.5°	1370.0	1376.8	1395.3	1407.1	1426.2	1441.7	1452.2	1463.3	1465.8	1472.6
1410.2	10°	1417.0	1425.0	1446.0	1468.3	1491.1	1510.3	1520.2	1528.2	1531.3	1532.5
1466.4	12.5°	1470.7	1482.5	1509.7	1536.9	1561.0	1577.6	1580.1	1578.3	1569.6	1562.2
1535.6	15°	1536.9	1547.4	1577.6	1607.3	1630.8	1633.9	1618.4	1608.5	1598.0	1596.2
1612.9	17.5°	1616.0	1621.5	1649.3	1678.4	1680.2	1669.7	1646.9	1637.6	1627.7	1620.9
1713.6	20°	1708.0	1706.2	1726.0	1738.3	1725.3	1693.2	1658.6	1643.1	1633.3	1625.2
1837.2	22.5°	1818.0	1803.8	1801.3	1798.3	1763.6	1696.3	1649.3	1629.6	1614.1	1603.0
2009.6	25°	1978.1	1923.7	1886.0	1865.0	1787.1	1679.6	1619.7	1575.8	1546.7	1527.6
2220.3	27.5°	2178.3	2086.8	1991.7	1940.4	1787.1	1645.6	1548.0	1476.9	1429.3	1409.6
2424.2	30°	2369.2	2273.5	2133.2	2031.2	1782.8	1590.0	1432.4	1333.6	1277.9	1258.2
2598.5	32.5°	2532.4	2428.0	2283.4	2130.7	1772.3	1499.8	1289.1	1179.7	1125.9	1102.4
2770.9	35°	2683.8	2572.6	2434.1	2240.1	1744.5	1367.5	1131.5	1048.1	988.1	950.4
2946.4	37.5°	2838.9	2706.7	2576.9	2339.0	1694.4	1213.0	1010.4	939.3	868.8	818.2
3133.0	40°	3007.6	2849.4	2729.5	2397.7	1612.2	1066.0	916.4	851.5	776.8	723.0
3348.1	42.5°	3204.7	3020.6	2899.5	2428.0	1499.8	961.5	855.3	791.6	721.2	677.3
3578.6	45°	3410.5	3209.1	3054.6	2427.3	1374.3	912.7	835.5	772.4	694.6	648.9
3815.3	47.5°	3626.2	3406.2	3188.7	2387.8	1265.6	919.5	824.4	731.0	645.1	600.7
4054.4	50°	3842.5	3621.8	3318.4	2313.6	1219.2	904.7	783.0	673.0	571.6	531.4
4278.7	52.5°	4056.9	3851.1	3430.3	2208.0	1172.3	849.7	729.8	597.6	541.3	513.5
4510.5	55°	4272.6	4077.9	3552.0	2054.1	1054.9	785.4	640.8	569.1	517.2	491.9
4737.3	57.5°	4488.8	4339.9	3667.6	1900.2	907.2	706.3	592.0	534.5	493.1	471.5
4927.0	60°	4713.8	4639.6	3786.8	1758.7	761.3	605.0	556.2	506.7	464.7	440.6
5109.3	62.5°	4945.5	4969.6	3880.2	1576.4	627.2	543.2	524.0	473.4	432.6	409.7
5260.0	65°	5179.1	5287.9	3941.3	1323.7	508.6	484.5	489.4	436.9	395.5	375.7
5370.7	67.5°	5355.2	5517.1	3924.0	1001.7	417.1	428.9	446.2	398.6	359.7	344.2
5352.7	70°	5375.0	5489.9	3753.5	685.9	349.1	374.5	398.0	360.9	320.7	309.6
5100.6	72.5°	5111.7	5119.2	3278.3	448.0	295.4	328.8	347.3	322.6	283.6	272.5
4462.3	75°	4421.5	4233.6	2406.9	295.4	247.2	282.4	299.7	282.4	244.7	247.2
3338.8	77.5°	3349.9	2998.3	1461.5	210.1	206.4	237.3	260.8	248.4	216.3	242.9
1679.0	80°	1726.0	1622.1	651.9	157.0	163.1	189.7	214.4	198.4	171.2	163.1
375.1	82.5°	395.5	459.8	257.1	112.5	118.0	136.6	163.8	148.9	123.0	103.8
156.3	85°	138.4	151.4	113.7	70.4	69.2	85.3	111.2	99.5	83.4	66.7
66.1	87.5°	43.9	57.5	42.6	28.4	29.7	38.3	51.3	47.0	38.9	25.3
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>
1312.5
1348.4
1405.2
1470.1
1529.4
1562.2
1596.2
1621.5
1625.8
1606.7
1535.0
1419.4
1269.9
1114.2
962.8
831.8
733.5
685.9
656.3
606.8
533.9
513.5
489.4
467.8
438.7
409.1
375.1
344.8
310.2
271.9
238.5
213.8
148.9
102.6
70.4
26.6
0.0

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