

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: P952522

Luminaire Tested: **GALN-SB6B-835-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952522
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-SB6B-835-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31481 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

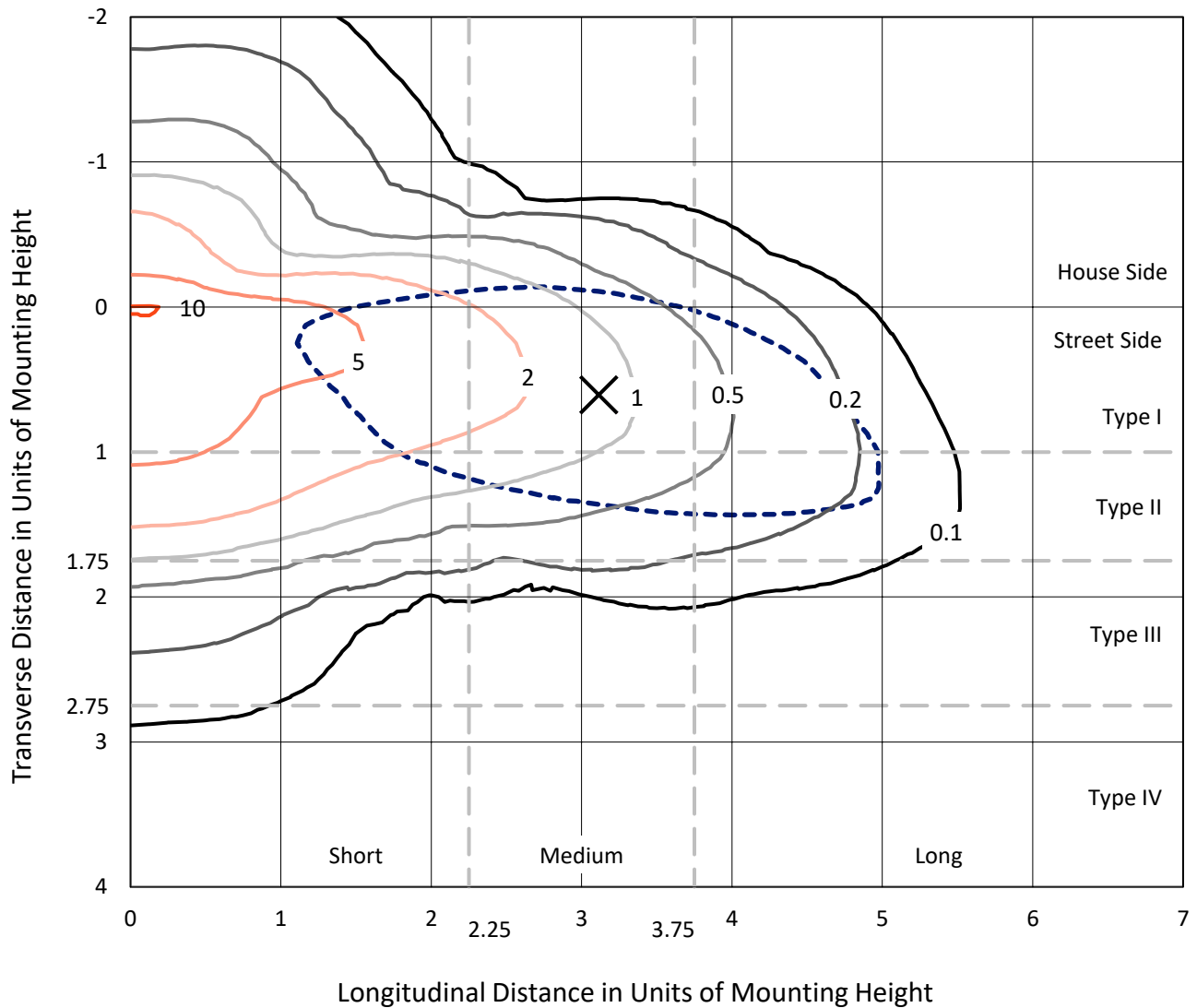
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

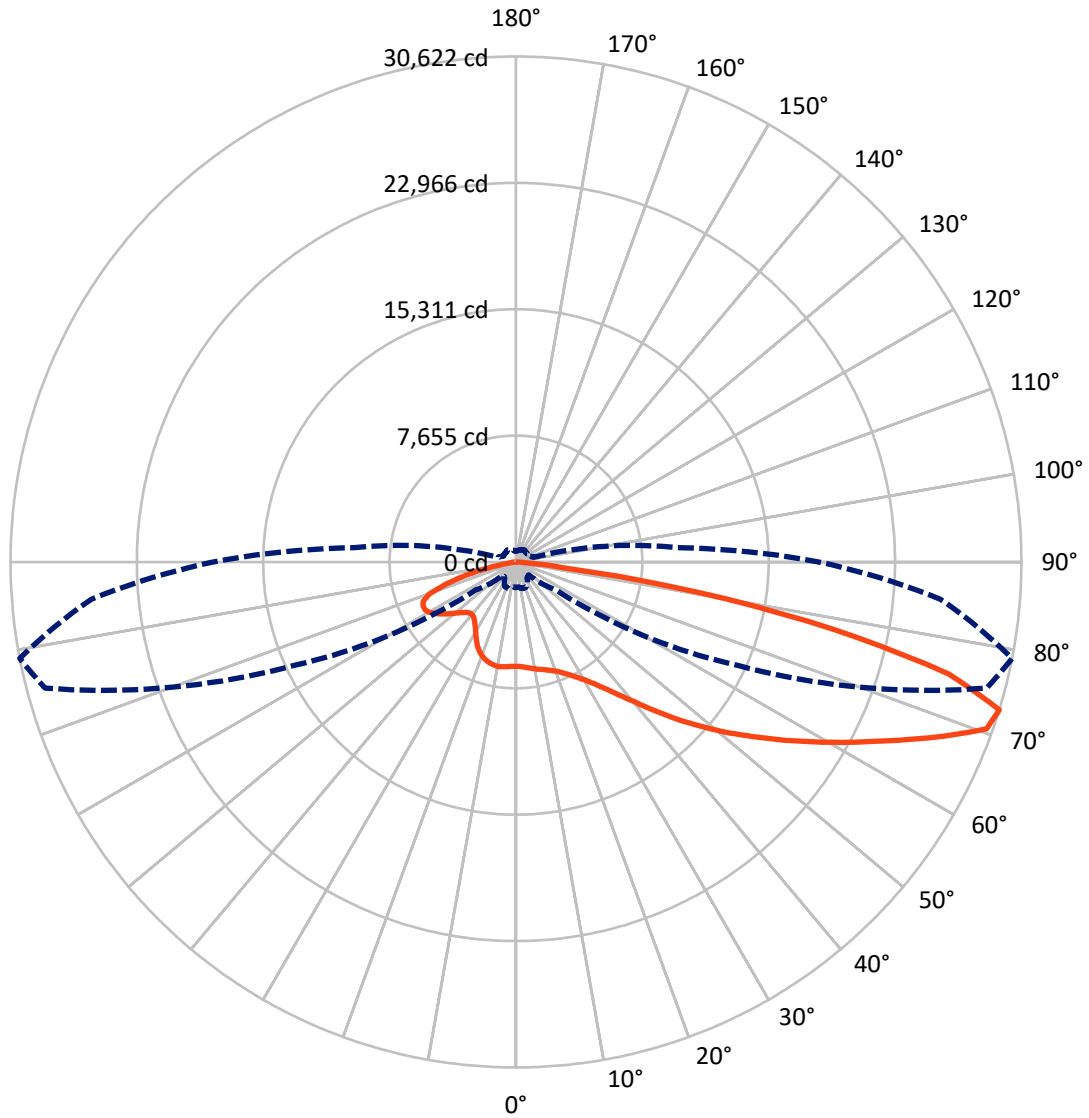
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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	6927.5	0.0	6927.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	24553.4	0.0	24553.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	31481.0	0.0	31481.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.6	1.8
10°-20°	1499.8	4.8
20°-30°	2420.0	7.7
30°-40°	3632.1	11.5
40°-50°	5152.3	16.4
50°-60°	6506.6	20.7
60°-70°	6608.4	21.0
70°-80°	4503.9	14.3
80°-90°	584.3	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°	31481.0	100.0
0°-180°	31481.0	100.0

Coefficient of Utilization



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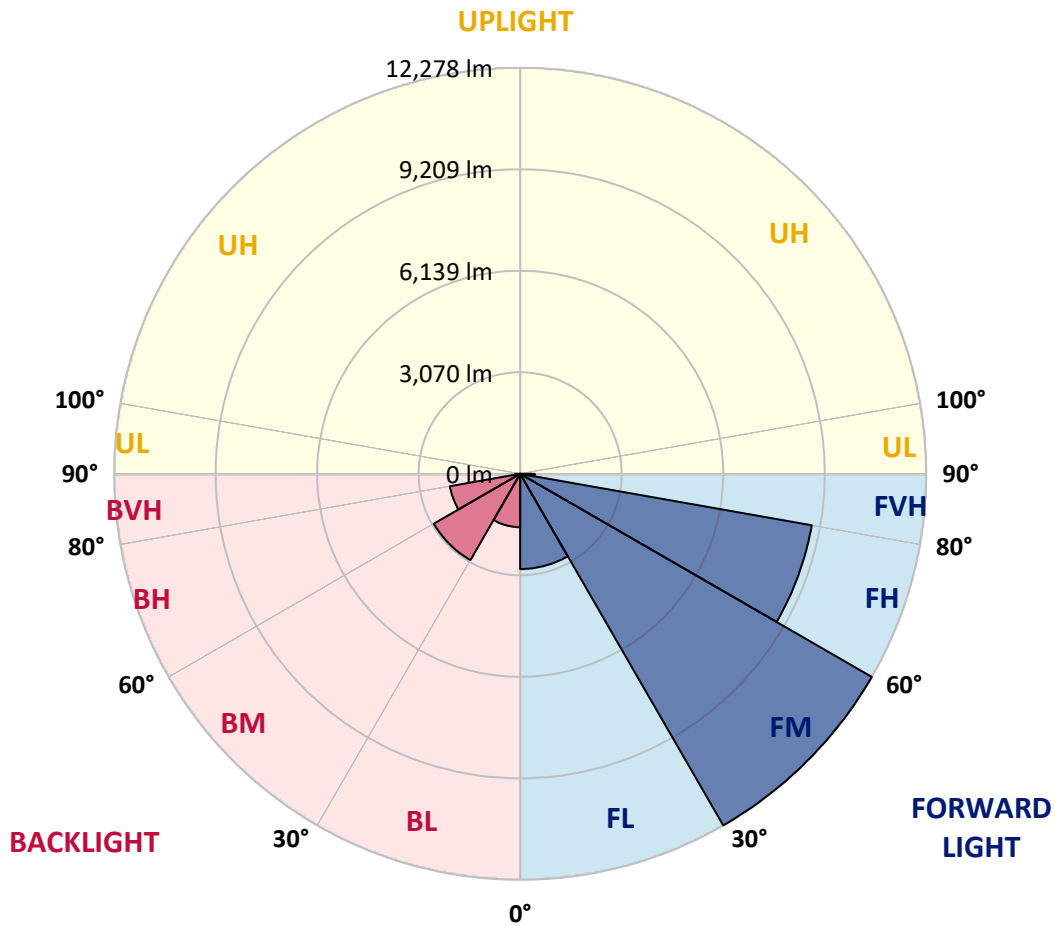
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2879.7	9.1			
FM (30°-60°)	12278.2	39.0			
FH (60°-80°)	8955.3	28.4			G4/12000
FVH (80°-90°)	440.2	1.4			G3/500
BL (0°-30°)	1613.6	5.1	B3/2500		
BM (30°-60°)	3012.8	9.6	B3/5000		
BH (60°-80°)	2157.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	144.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	6319.5	6319.5	6319.5	6319.5	6319.5	6319.5	6319.5	6319.5	6319.5	6319.5
2.5°	6322.8	6292.9	6311.2	6304.5	6312.9	6322.8	6326.2	6331.2	6347.8	6346.2
5°	6309.5	6279.5	6304.5	6296.2	6317.8	6341.2	6361.1	6379.5	6406.1	6417.8
7.5°	6281.2	6261.2	6286.2	6311.2	6351.2	6386.1	6414.4	6456.1	6494.4	6501.0
10°	6116.4	6101.4	6159.7	6224.6	6334.5	6429.4	6491.0	6539.3	6581.0	6587.6
12.5°	5944.8	5926.5	5991.5	6079.7	6257.9	6429.4	6559.3	6622.6	6659.2	6680.9
15°	5916.5	5901.5	5938.2	6014.8	6163.0	6384.5	6605.9	6722.5	6754.1	6779.1
17.5°	6053.1	6024.8	6039.8	6066.4	6153.0	6342.8	6642.6	6835.7	6884.0	6910.7
20°	6369.5	6329.5	6306.2	6252.9	6237.9	6349.5	6639.2	6972.3	7035.6	7068.9
22.5°	6790.8	6764.1	6714.2	6579.3	6432.7	6431.1	6702.5	7147.1	7265.4	7297.0
25°	7300.3	7260.4	7197.1	7013.9	6732.5	6592.6	6809.1	7370.3	7568.4	7576.8
27.5°	7886.5	7826.5	7739.9	7498.5	7118.8	6845.7	6972.3	7626.7	7916.5	7913.1
30°	8504.3	8444.3	8352.7	8059.7	7581.7	7187.1	7198.7	7903.1	8329.4	8311.1
32.5°	8955.6	8910.6	8892.3	8665.8	8114.6	7590.1	7458.5	8209.5	8839.0	8822.3
35°	9301.9	9243.6	9265.3	9150.4	8695.8	8041.3	7776.6	8574.2	9458.5	9456.8
37.5°	9645.0	9593.3	9611.7	9535.1	9233.6	8614.2	8164.6	9020.5	10226.1	10262.8
40°	9958.0	9903.1	9976.3	9904.7	9651.6	9223.7	8605.9	9525.1	11115.3	11185.3
42.5°	10146.2	10102.9	10224.5	10226.1	10014.6	9738.2	9090.4	10081.2	12144.5	12301.0
45°	10211.1	10196.1	10379.3	10417.6	10336.0	10036.3	9526.7	10687.4	13253.5	13533.2
47.5°	10141.2	10112.9	10366.0	10507.5	10572.5	10176.2	9888.1	11343.5	14385.8	14795.5
50°	9788.2	9733.2	10109.6	10407.6	10639.1	10267.7	10252.8	12101.2	15673.1	16121.0
52.5°	9153.7	9112.1	9540.0	10057.9	10492.6	10312.7	10662.4	12928.8	16895.3	17474.8
55°	8342.8	8287.8	8759.1	9435.1	10127.9	10297.7	11072.1	13854.6	18337.4	18925.2
57.5°	7057.2	6947.3	7543.4	8342.8	9533.4	10279.4	11498.3	14775.5	19802.8	20507.2
60°	5182.2	5019.0	5750.0	6697.5	8371.1	10101.2	12026.2	15807.9	21561.3	22195.7
62.5°	3017.4	2922.5	3400.4	4284.6	6309.5	9052.1	12322.6	17008.6	23289.8	23955.9
65°	2343.0	2316.3	2358.0	2426.2	3511.9	6777.4	11408.4	18179.2	25487.9	25954.1
67.5°	2143.1	2123.2	2141.5	2013.3	1781.8	3775.1	9025.5	18475.6	27842.5	28125.6
70°	1905.0	1881.7	1941.6	1831.7	1402.1	1716.8	5831.6	17399.9	29715.9	30247.1
72.5°	1552.0	1525.3	1665.2	1615.3	1180.6	1102.4	2929.1	14843.8	29519.4	30621.7
75°	1192.3	1177.3	1343.8	1385.5	962.5	867.6	1405.4	11033.8	25977.4	27088.1
77.5°	925.9	914.2	999.1	1150.7	776.0	672.7	864.2	6998.9	19576.3	19771.2
80°	694.4	661.1	739.4	890.9	604.5	491.2	586.2	4081.5	12374.3	11216.9
82.5°	434.6	418.0	482.9	594.5	426.3	338.0	381.3	2254.7	4959.0	2920.8
85°	248.1	241.5	263.1	339.7	231.5	194.8	218.1	995.8	905.9	622.8
87.5°	99.9	96.6	119.9	151.5	84.9	71.6	76.6	239.8	199.8	184.8
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°
6319.5	0°	6319.5	6319.5	6319.5	6319.5	6319.5	6319.5	6319.5	6319.5	6319.5	6319.5
6344.5	2.5°	6337.8	6337.8	6314.5	6277.9	6236.3	6209.6	6166.3	6154.7	6109.7	6096.4
6401.1	5°	6414.4	6401.1	6329.5	6226.3	6084.7	5954.8	5811.6	5721.7	5595.1	5550.2
6512.7	7.5°	6511.0	6474.4	6351.2	6124.7	5828.3	5536.9	5233.8	5004.0	4784.2	4705.9
6604.3	10°	6599.3	6547.6	6337.8	5941.5	5428.6	4924.1	4441.1	4103.1	3846.7	3741.8
6705.8	12.5°	6687.5	6592.6	6249.6	5636.8	4860.8	4176.4	3661.8	3398.7	3240.5	3114.0
6789.1	15°	6770.8	6637.6	6113.0	5228.8	4238.0	3543.6	3163.9	2954.1	2827.5	2744.3
6910.7	17.5°	6867.4	6675.9	5908.2	4710.9	3645.2	3105.6	2795.9	2669.3	2644.4	2634.4
7077.2	20°	7002.3	6710.8	5638.4	4131.4	3208.9	2755.9	2596.1	2584.4	2582.8	2577.8
7277.0	22.5°	7147.1	6752.5	5282.1	3605.2	2837.5	2537.8	2509.5	2486.2	2471.2	2469.5
7518.5	25°	7318.6	6765.8	4835.8	3173.9	2521.1	2434.6	2401.2	2366.3	2356.3	2356.3
7793.2	27.5°	7485.2	6720.8	4316.3	2799.2	2343.0	2339.6	2296.3	2284.7	2283.0	2288.0
8106.3	30°	7651.7	6635.9	3800.0	2452.9	2239.7	2239.7	2224.7	2233.1	2239.7	2256.4
8535.9	32.5°	7876.5	6546.0	3368.7	2196.4	2149.8	2133.1	2148.1	2164.8	2171.4	2193.1
9100.4	35°	8206.2	6482.7	3025.7	2056.5	2056.5	2034.9	2043.2	2039.9	2024.9	2014.9
9783.2	37.5°	8642.5	6479.4	2742.6	1991.6	1978.3	1975.0	1976.6	1955.0	1896.7	1826.7
10609.1	40°	9167.0	6569.3	2524.5	1946.6	1936.7	1956.6	1946.6	1888.4	1728.5	1606.9
11624.9	42.5°	9871.4	6825.7	2384.6	1891.7	1921.7	1946.6	1906.7	1705.2	1596.9	1515.4
12782.2	45°	10700.7	7242.0	2313.0	1833.4	1893.4	1923.3	1730.2	1641.9	1555.3	1457.1
14044.5	47.5°	11639.9	7766.6	2296.3	1778.5	1830.1	1848.4	1655.2	1615.3	1517.0	1410.4
15313.4	50°	12662.3	8387.7	2341.3	1713.5	1738.5	1675.2	1630.3	1593.6	1492.0	1387.1
16613.9	52.5°	13719.8	9072.1	2431.2	1625.3	1646.9	1577.0	1620.3	1588.6	1477.1	1335.5
17957.7	55°	14758.8	9761.5	2517.8	1522.0	1553.7	1488.7	1592.0	1568.6	1408.8	1248.9
19391.5	57.5°	15814.6	10447.6	2602.7	1430.4	1463.7	1403.8	1547.0	1515.4	1332.2	1169.0
20956.8	60°	16912.0	11113.7	2642.7	1342.2	1365.5	1325.5	1478.7	1423.8	1245.6	1087.4
22495.5	62.5°	17939.4	11668.2	2577.8	1253.9	1268.9	1252.2	1388.8	1315.5	1159.0	995.8
24099.1	65°	18970.2	11997.9	2377.9	1167.3	1170.6	1162.3	1262.2	1199.0	1057.4	915.9
25502.9	67.5°	19904.4	12182.8	2059.9	1074.1	1065.7	1062.4	1144.0	1072.4	959.2	835.9
26570.3	70°	20102.5	11713.2	1573.6	964.2	964.2	955.8	1014.1	940.8	850.9	751.0
25805.9	72.5°	18360.7	9853.1	1117.4	839.3	852.6	835.9	884.2	822.6	741.0	674.4
22240.7	75°	14805.5	7225.4	812.6	711.0	734.4	706.1	751.0	707.7	637.8	636.1
15326.7	77.5°	10172.8	4467.8	589.5	586.2	602.8	566.2	617.8	594.5	531.2	502.9
6670.9	80°	4341.2	1781.8	429.6	452.9	452.9	419.6	479.6	486.2	431.3	418.0
1287.2	82.5°	864.2	506.2	301.4	311.4	293.1	283.1	339.7	376.3	519.5	577.8
388.0	85°	259.8	186.5	181.5	169.9	149.9	151.5	199.8	378.0	466.3	266.4
128.2	87.5°	71.6	46.6	48.3	38.3	31.6	41.6	68.3	286.4	156.5	66.6
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>
6319.5
6118.0
5583.5
4715.9
3765.1
3155.6
2759.3
2641.0
2594.4
2487.8
2366.3
2301.3
2268.0
2211.4
2038.2
1828.4
1603.6
1512.0
1450.4
1402.1
1375.5
1325.5
1240.6
1165.7
1082.4
994.1
905.9
825.9
747.7
654.4
572.8
471.3
418.0
579.5
229.8
56.6
0.0

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