

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: P952396

Luminaire Tested: **GALN-SB6B-735-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952396
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-735-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 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: 33940 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

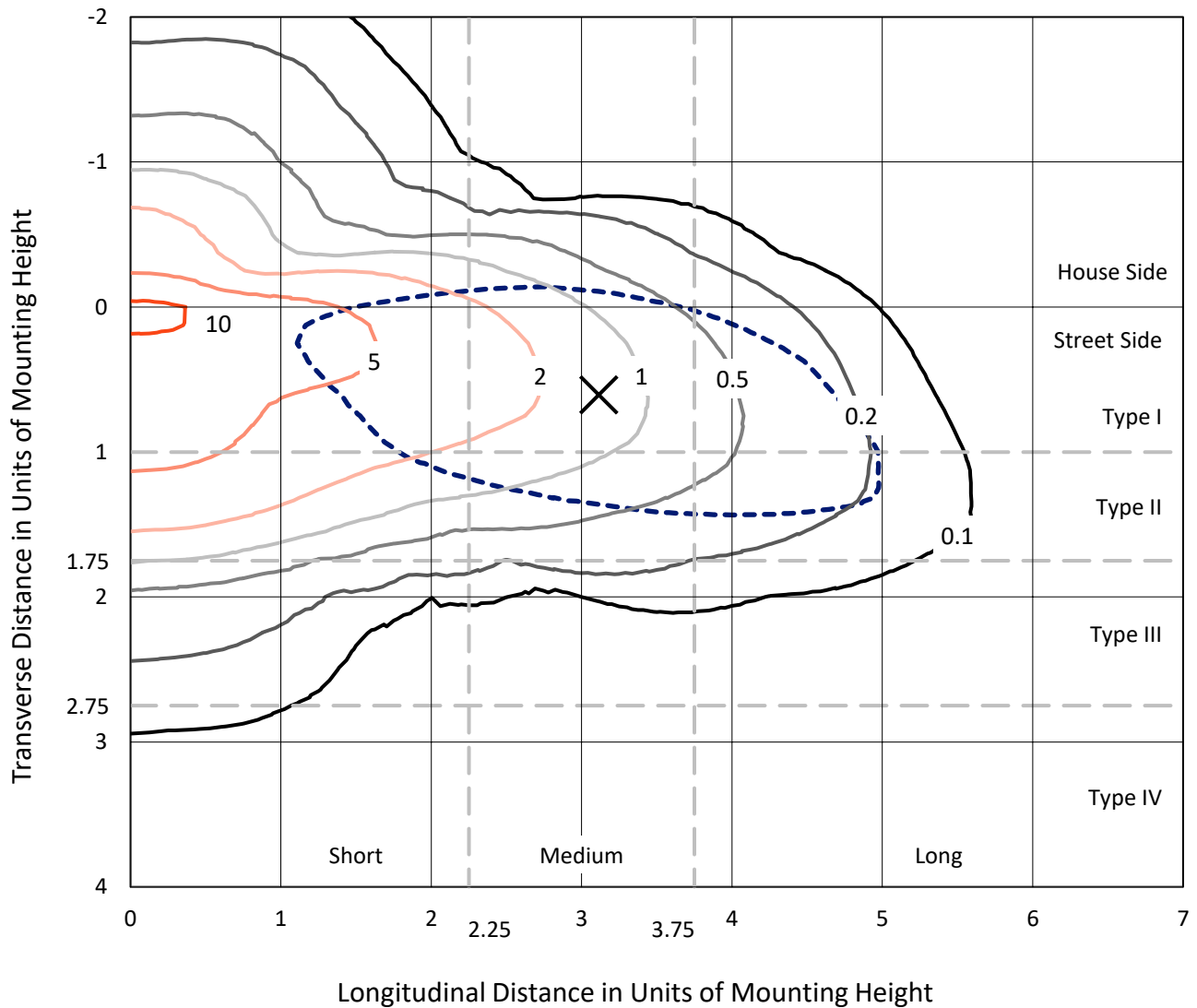
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

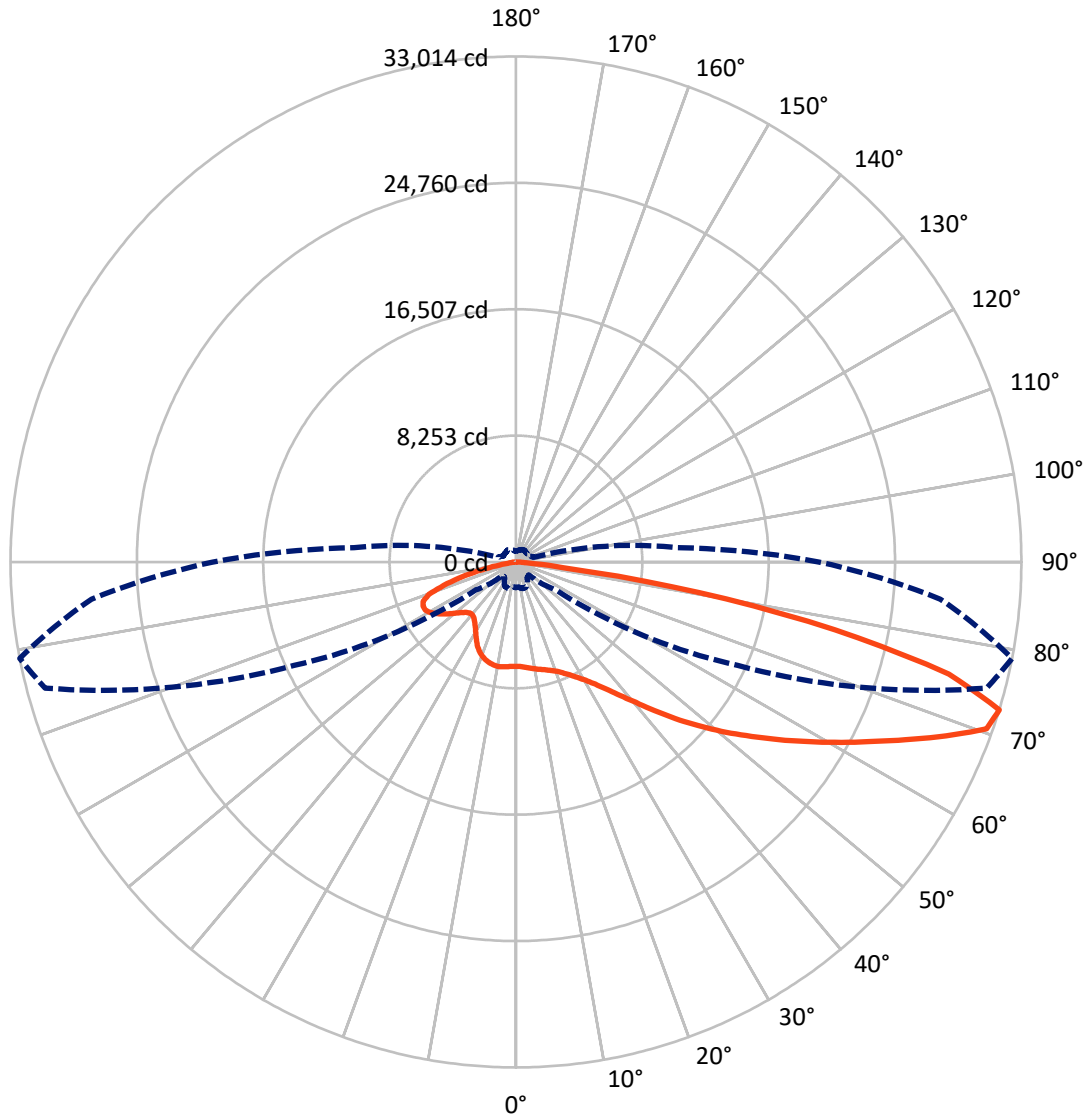
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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	7468.7	0.0	7468.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	26471.3	0.0	26471.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	33940.0	0.0	33940.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.4	1.8
10°-20°	1616.9	4.8
20°-30°	2609.0	7.7
30°-40°	3915.8	11.5
40°-50°	5554.7	16.4
50°-60°	7014.9	20.7
60°-70°	7124.6	21.0
70°-80°	4855.7	14.3
80°-90°	630.0	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°	33940.0	100.0
0°-180°	33940.0	100.0



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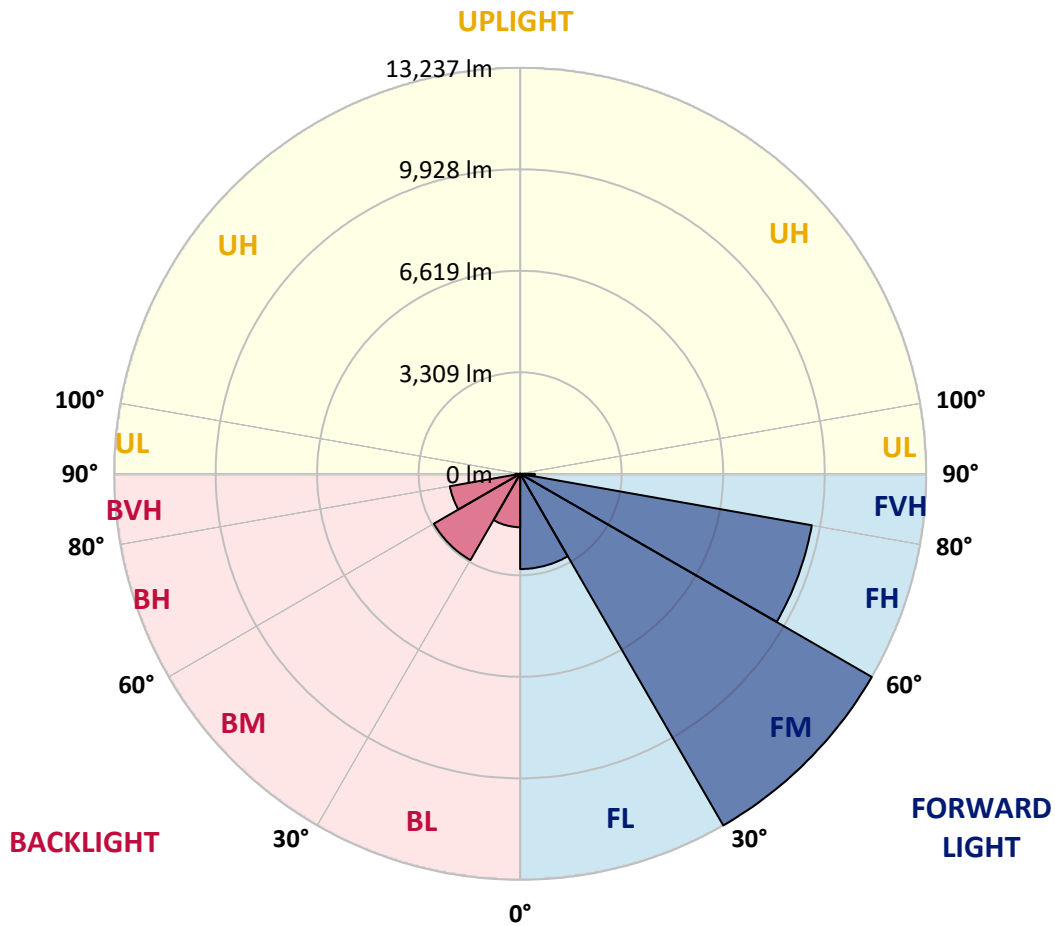
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3104.7	9.1			
FM (30°-60°)	13237.3	39.0			
FH (60°-80°)	9654.8	28.4			G4/12000
FVH (80°-90°)	474.6	1.4			G3/500
BL (0°-30°)	1739.7	5.1	B3/2500		
BM (30°-60°)	3248.1	9.6	B3/5000		
BH (60°-80°)	2325.5	6.9	B3/2500		G3/2500
BVH (80°-90°)	155.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	6813.1	6813.1	6813.1	6813.1	6813.1	6813.1	6813.1	6813.1	6813.1	6813.1
2.5°	6816.7	6784.4	6804.2	6797.0	6806.0	6816.7	6820.3	6825.7	6843.7	6841.9
5°	6802.4	6770.0	6797.0	6788.0	6811.3	6836.5	6858.0	6877.8	6906.5	6919.1
7.5°	6771.8	6750.3	6777.2	6804.2	6847.2	6884.9	6915.5	6960.3	7001.6	7008.8
10°	6594.1	6577.9	6640.8	6710.8	6829.3	6931.6	6998.0	7050.1	7095.0	7102.2
12.5°	6409.2	6389.4	6459.5	6554.6	6746.7	6931.6	7071.7	7139.9	7179.4	7202.7
15°	6378.7	6362.5	6402.0	6484.6	6644.4	6883.1	7121.9	7247.6	7281.7	7308.6
17.5°	6525.9	6495.4	6511.5	6540.2	6633.6	6838.3	7161.4	7369.7	7421.7	7450.5
20°	6867.0	6823.9	6798.8	6741.3	6725.2	6845.4	7157.8	7516.9	7585.1	7621.0
22.5°	7321.2	7292.5	7238.6	7093.2	6935.2	6933.4	7226.0	7705.4	7832.9	7867.0
25°	7870.6	7827.5	7759.3	7561.8	7258.4	7107.6	7340.9	7946.0	8159.6	8168.6
27.5°	8502.5	8437.9	8344.5	8084.2	7674.9	7380.4	7516.9	8222.4	8534.8	8531.2
30°	9168.6	9103.9	9005.2	8689.2	8174.0	7748.5	7761.0	8520.5	8980.0	8960.3
32.5°	9655.1	9606.6	9586.9	9342.7	8748.5	8182.9	8041.1	8850.8	9529.4	9511.5
35°	10028.5	9965.7	9989.0	9865.1	9375.0	8669.5	8384.0	9244.0	10197.3	10195.5
37.5°	10398.3	10342.7	10362.4	10279.8	9954.9	9287.0	8802.3	9725.1	11024.9	11064.4
40°	10735.8	10676.6	10755.6	10678.4	10405.5	9944.1	9278.1	10269.1	11983.6	12059.0
42.5°	10938.7	10892.0	11023.1	11024.9	10796.9	10498.9	9800.5	10868.7	13093.1	13261.8
45°	11008.7	10992.6	11190.1	11231.3	11143.4	10820.2	10270.9	11522.2	14288.7	14590.3
47.5°	10933.3	10902.8	11175.7	11328.3	11398.3	10971.0	10660.4	12229.5	15509.5	15951.2
50°	10552.7	10493.5	10899.2	11220.6	11470.1	11069.8	11053.6	13046.4	16897.3	17380.2
52.5°	9868.7	9823.8	10285.2	10843.6	11312.1	11118.2	11495.3	13938.6	18215.0	18839.8
55°	8994.4	8935.2	9443.2	10172.1	10919.0	11102.1	11936.9	14936.8	19769.8	20403.5
57.5°	7608.4	7490.0	8132.7	8994.4	10278.0	11082.3	12396.5	15929.6	21349.6	22109.0
60°	5586.9	5411.0	6199.1	7220.7	9024.9	10890.2	12965.6	17042.7	23245.4	23929.4
62.5°	3253.1	3150.7	3666.0	4619.3	6802.4	9759.2	13285.2	18337.1	25109.0	25827.1
65°	2526.0	2497.3	2542.1	2615.7	3786.3	7306.8	12299.5	19599.2	27478.7	27981.4
67.5°	2310.5	2289.0	2308.7	2170.5	1921.0	4069.9	9730.5	19918.8	30017.3	30322.5
70°	2053.8	2028.7	2093.3	1974.8	1511.6	1850.9	6287.1	18759.0	32037.0	32609.7
72.5°	1673.2	1644.5	1795.3	1741.4	1272.9	1188.5	3157.9	16003.2	31825.1	33013.6
75°	1285.4	1269.3	1448.8	1493.7	1037.7	935.3	1515.2	11895.6	28006.6	29204.0
77.5°	998.2	985.6	1077.2	1240.5	836.6	725.3	931.8	7545.6	21105.5	21315.5
80°	748.6	712.7	797.1	960.5	651.7	529.6	631.9	4400.3	13340.8	12093.1
82.5°	468.6	450.6	520.6	640.9	459.6	364.4	411.1	2430.8	5346.4	3148.9
85°	267.5	260.3	283.7	366.2	249.5	210.0	235.2	1073.6	976.6	671.4
87.5°	107.7	104.1	129.3	163.4	91.6	77.2	82.6	258.5	215.4	199.3
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°
6813.1	0°	6813.1	6813.1	6813.1	6813.1	6813.1	6813.1	6813.1	6813.1	6813.1	6813.1
6840.1	2.5°	6832.9	6832.9	6807.7	6768.3	6723.4	6694.6	6648.0	6635.4	6586.9	6572.6
6901.1	5°	6915.5	6901.1	6823.9	6712.6	6560.0	6420.0	6265.6	6168.6	6032.2	5983.7
7021.4	7.5°	7019.6	6980.1	6847.2	6603.1	6283.5	5969.3	5642.6	5394.9	5157.9	5073.5
7120.1	10°	7114.7	7059.1	6832.9	6405.6	5852.7	5308.7	4788.0	4423.6	4147.1	4034.0
7229.6	12.5°	7209.9	7107.6	6737.7	6077.1	5240.5	4502.6	3947.8	3664.2	3493.6	3357.2
7319.4	15°	7299.7	7156.0	6590.5	5637.2	4569.0	3820.4	3411.1	3184.8	3048.4	2958.6
7450.5	17.5°	7403.8	7197.3	6369.7	5078.9	3929.9	3348.2	3014.3	2877.9	2850.9	2840.2
7630.0	20°	7549.2	7235.0	6078.9	4454.1	3459.5	2971.2	2798.9	2786.3	2784.5	2779.1
7845.4	22.5°	7705.4	7279.9	5694.7	3886.8	3059.2	2736.0	2705.5	2680.4	2664.2	2662.4
8105.7	25°	7890.3	7294.3	5213.5	3421.8	2718.1	2624.7	2588.8	2551.1	2540.3	2540.3
8402.0	27.5°	8069.8	7245.8	4653.4	3017.9	2526.0	2522.4	2475.7	2463.1	2461.3	2466.7
8739.5	30°	8249.4	7154.2	4096.9	2644.5	2414.7	2414.7	2398.5	2407.5	2414.7	2432.6
9202.7	32.5°	8491.7	7057.3	3631.9	2368.0	2317.7	2299.8	2315.9	2333.9	2341.1	2364.4
9811.3	35°	8847.2	6989.1	3262.0	2217.2	2217.2	2193.8	2202.8	2199.2	2183.1	2172.3
10547.3	37.5°	9317.6	6985.5	2956.8	2147.2	2132.8	2129.2	2131.0	2107.7	2044.8	1969.4
11437.8	40°	9883.1	7082.4	2721.7	2098.7	2087.9	2109.5	2098.7	2035.9	1863.5	1732.5
12532.9	42.5°	10642.5	7358.9	2570.9	2039.5	2071.8	2098.7	2055.6	1838.4	1721.7	1633.7
13780.7	45°	11536.5	7807.7	2493.7	1976.6	2041.2	2073.6	1865.3	1770.2	1676.8	1570.9
15141.5	47.5°	12549.1	8373.2	2475.7	1917.4	1973.0	1992.8	1784.5	1741.4	1635.5	1520.6
16509.5	50°	13651.4	9042.9	2524.2	1847.4	1874.3	1806.1	1757.6	1718.1	1608.6	1495.5
17911.6	52.5°	14791.4	9780.7	2621.1	1752.2	1775.5	1700.1	1746.8	1712.7	1592.4	1439.8
19360.4	55°	15911.7	10524.0	2714.5	1640.9	1675.0	1605.0	1716.3	1691.2	1518.8	1346.5
20906.2	57.5°	17049.9	11263.7	2806.0	1542.2	1578.1	1513.4	1667.8	1633.7	1436.2	1260.3
22593.7	60°	18233.0	11981.8	2849.1	1447.0	1472.1	1429.1	1594.2	1535.0	1342.9	1172.3
24252.6	62.5°	19340.7	12579.6	2779.1	1351.9	1368.0	1350.1	1497.3	1418.3	1249.5	1073.6
25981.5	65°	20452.0	12935.1	2563.7	1258.5	1262.1	1253.1	1360.8	1292.6	1140.0	987.4
27494.9	67.5°	21459.1	13134.4	2220.8	1158.0	1149.0	1145.4	1233.4	1156.2	1034.1	901.2
28645.7	70°	21672.8	12628.1	1696.6	1039.5	1039.5	1030.5	1093.3	1014.3	917.4	809.7
27821.6	72.5°	19794.9	10622.7	1204.6	904.8	919.2	901.2	953.3	886.9	798.9	727.1
23977.9	75°	15961.9	7789.8	876.1	766.6	791.7	761.2	809.7	763.0	687.6	685.8
16523.9	77.5°	10967.4	4816.8	635.5	631.9	649.9	610.4	666.1	640.9	572.7	542.2
7191.9	80°	4680.3	1921.0	463.2	488.3	488.3	452.4	517.0	524.2	465.0	450.6
1387.8	82.5°	931.8	545.8	324.9	335.7	316.0	305.2	366.2	405.7	560.1	623.0
418.3	85°	280.1	201.1	195.7	183.1	161.6	163.4	215.4	407.5	502.7	287.2
138.2	87.5°	77.2	50.3	52.1	41.3	34.1	44.9	73.6	308.8	168.8	71.8
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>
6813.1
6595.9
6019.6
5084.3
4059.2
3402.1
2974.8
2847.3
2797.1
2682.2
2551.1
2481.1
2445.2
2384.1
2197.4
1971.2
1728.9
1630.1
1563.7
1511.6
1482.9
1429.1
1337.5
1256.7
1166.9
1071.8
976.6
890.5
806.1
705.5
617.6
508.1
450.6
624.8
247.8
61.0
0.0

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