

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: P940465

Luminaire Tested: **GALN-SB3C-750-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-750-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23555 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

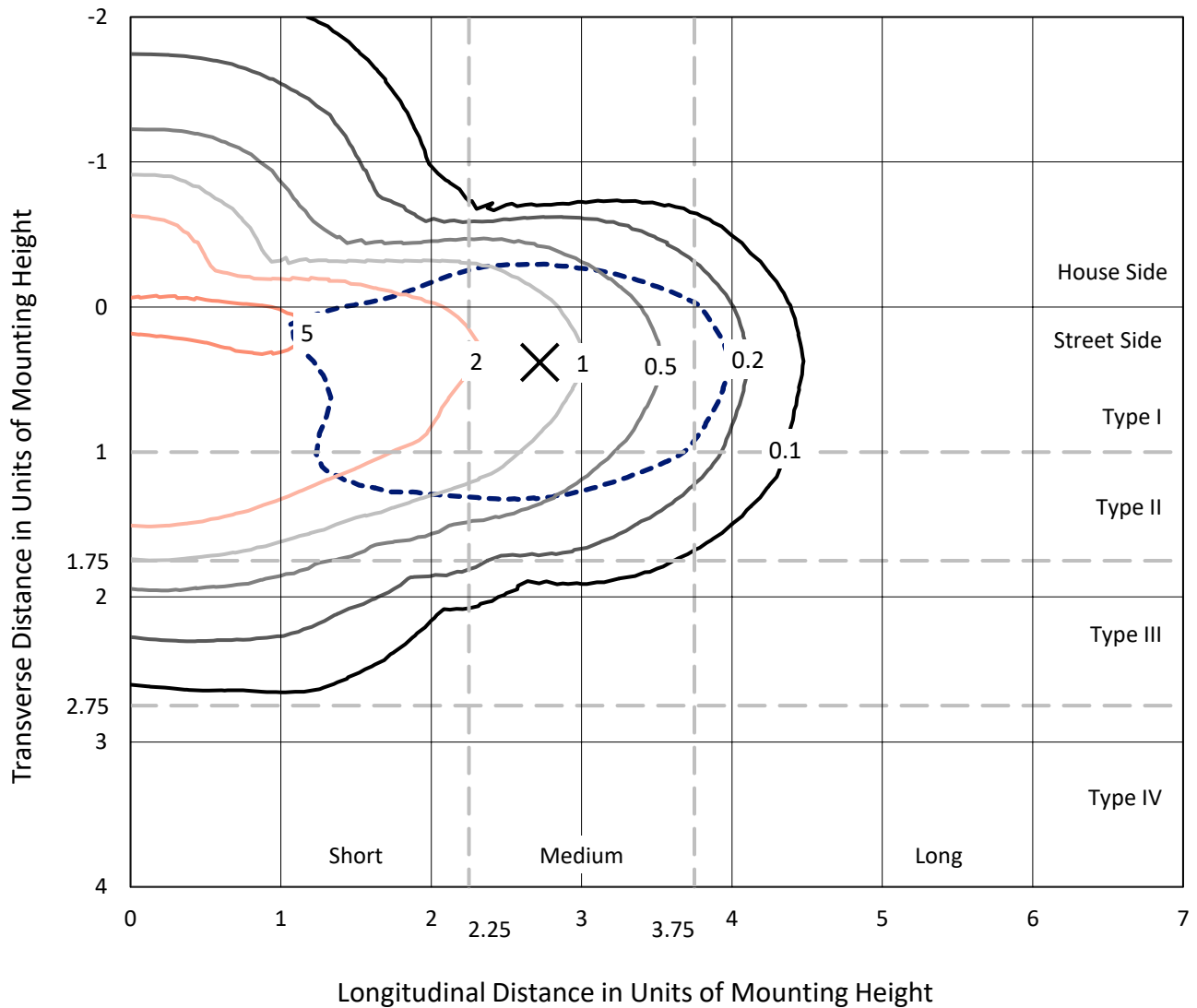
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940465
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Iso-Footcandle Lines of Horizontal Illumination

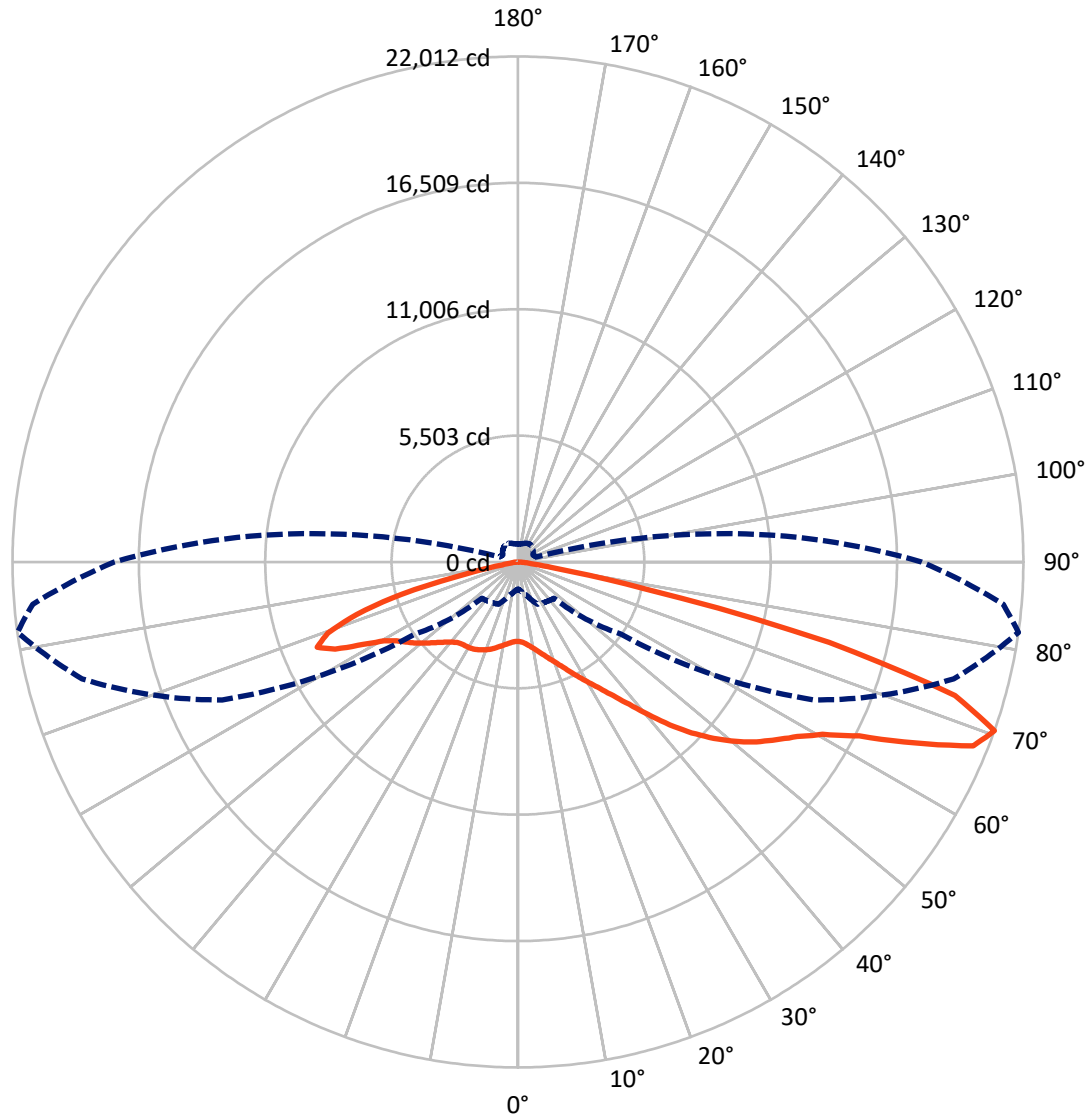
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P940465
CATALOG NUMBER: GALN-SB3C-750-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5806.9	0.0	5806.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	17748.1	0.0	17748.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	23555.0	0.0	23555.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.1	1.4
10°-20°	936.8	4.0
20°-30°	1567.2	6.7
30°-40°	2448.4	10.4
40°-50°	3899.3	16.6
50°-60°	5426.3	23.0
60°-70°	5676.2	24.1
70°-80°	2966.7	12.6
80°-90°	308.1	1.3
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°	23555.0	100.0
0°-180°	23555.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940465

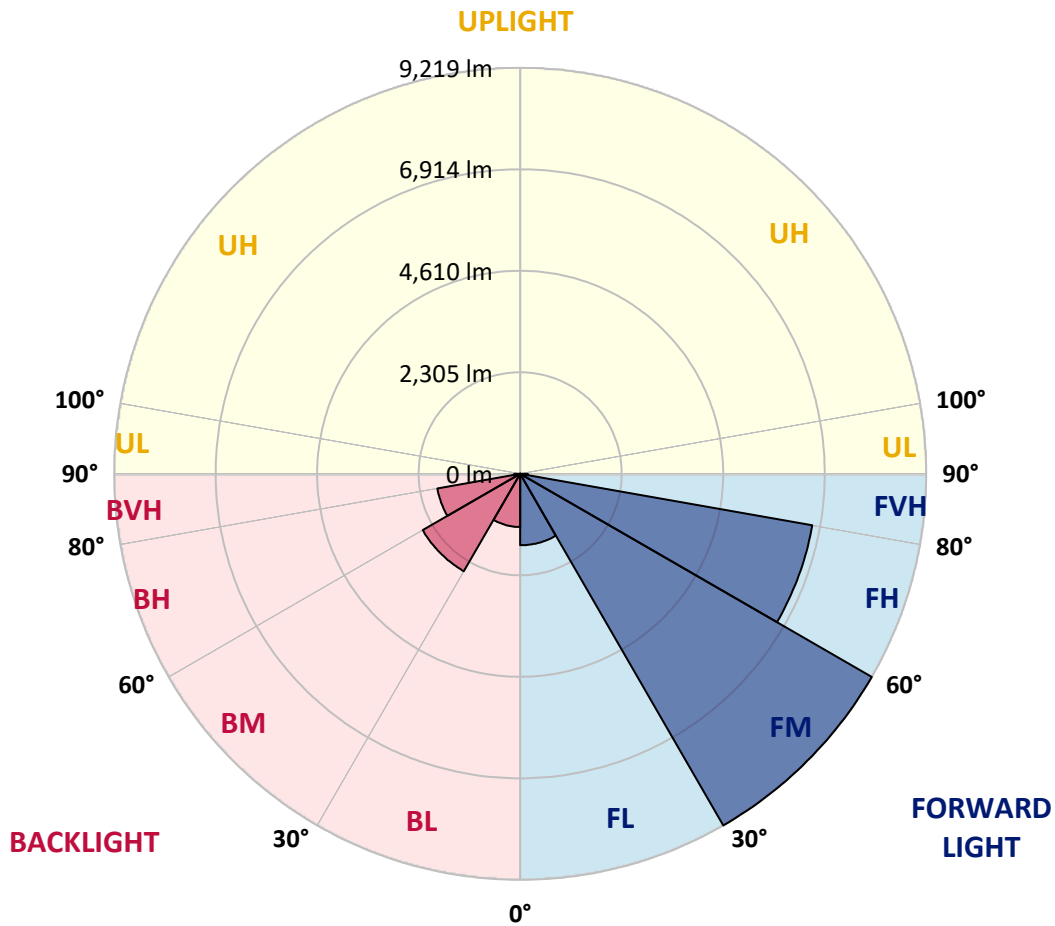
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1622.0	6.9			
FM (30°-60°)	9219.2	39.1			
FH (60°-80°)	6734.5	28.6			G3/7500
FVH (80°-90°)	172.5	0.7			G2/225
BL (0°-30°)	1208.0	5.1	B3/2500		
BM (30°-60°)	2554.8	10.8	B3/5000		
BH (60°-80°)	1908.4	8.1	B3/2500		G3/2500
BVH (80°-90°)	135.6	0.6			G2/225
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 Medium



REPORT NUMBER: P940465

CATALOG NUMBER: GALN-SB3C-750-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3453.5	3453.5	3453.5	3453.5	3453.5	3453.5	3453.5	3453.5	3453.5	3453.5
2.5°	3536.0	3555.9	3549.7	3543.4	3543.4	3534.7	3533.5	3521.0	3511.0	3494.7
5°	3580.9	3602.2	3599.7	3604.7	3620.9	3624.7	3628.4	3620.9	3600.9	3580.9
7.5°	3541.0	3564.7	3572.2	3602.2	3652.2	3697.2	3730.9	3744.7	3725.9	3697.2
10°	3406.0	3432.2	3458.5	3529.7	3618.4	3724.7	3814.7	3868.4	3864.7	3837.2
12.5°	3132.2	3159.7	3216.0	3354.7	3517.2	3704.7	3872.2	3984.7	4023.4	4003.4
15°	2913.5	2937.3	2979.7	3122.2	3333.5	3618.4	3893.4	4112.2	4210.9	4199.6
17.5°	2907.3	2917.3	2943.5	3011.0	3173.5	3483.5	3870.9	4237.1	4425.9	4424.6
20°	3017.2	3021.0	3036.0	3049.7	3142.2	3381.0	3813.4	4340.9	4667.1	4667.1
22.5°	3169.7	3167.2	3182.2	3169.7	3214.7	3372.2	3777.2	4432.1	4935.8	4955.8
25°	3398.5	3386.0	3382.2	3353.5	3362.2	3453.5	3817.2	4535.9	5254.6	5295.8
27.5°	3703.4	3683.4	3669.7	3603.4	3580.9	3620.9	3939.7	4660.9	5609.5	5680.8
30°	4100.9	4064.7	4044.7	3929.7	3848.4	3854.7	4124.7	4827.1	5980.7	6095.7
32.5°	4643.4	4587.1	4533.4	4344.6	4195.9	4147.1	4363.4	5057.1	6383.2	6566.9
35°	5250.8	5205.8	5148.3	4857.1	4628.4	4515.9	4685.9	5378.3	6854.4	7145.6
37.5°	5835.8	5797.0	5824.5	5432.0	5137.1	4973.3	5108.3	5809.5	7435.6	7865.6
40°	6440.7	6410.7	6414.5	6039.5	5695.8	5512.0	5620.8	6350.7	8101.8	8721.8
42.5°	7098.1	7075.7	7000.7	6668.2	6282.0	6110.7	6210.7	6975.7	8816.8	9696.7
45°	7834.3	7820.6	7750.6	7369.4	6926.9	6734.4	6869.4	7665.6	9535.4	10614.1
47.5°	8470.5	8481.8	8473.0	8151.8	7693.1	7410.6	7571.9	8385.5	10204.1	11476.5
50°	8776.8	8835.5	8921.7	8821.8	8536.8	8249.3	8280.5	9080.5	10841.6	12285.2
52.5°	8616.8	8728.0	8963.0	9123.0	9233.0	9173.0	9089.2	9770.4	11441.5	13015.1
55°	8020.6	8176.8	8566.8	8953.0	9514.2	9950.4	10060.4	10535.4	12026.5	13657.6
57.5°	6934.4	7188.1	7538.1	8319.3	9264.2	10326.6	11192.8	11596.5	12646.4	14343.8
60°	5072.1	5412.0	5847.0	7009.4	8389.3	10125.4	12156.5	13226.4	13527.6	15232.5
62.5°	3246.0	3456.0	3855.9	4950.8	6536.9	9094.2	12451.4	15263.7	15021.2	16689.8
65°	2222.3	2357.3	2723.5	3338.5	4225.9	6769.4	11661.5	16791.1	17393.5	18999.6
67.5°	1614.9	1717.4	2029.8	2568.5	2753.5	4005.9	9049.2	16721.1	19699.6	21379.4
70°	1177.4	1249.9	1512.4	2029.8	2118.6	2228.6	5482.0	14213.8	19649.6	22011.9
72.5°	872.4	922.4	1098.7	1574.9	1714.9	1504.9	2713.5	10330.4	16884.8	19909.6
75°	631.2	668.7	798.7	1204.9	1372.4	1146.2	1353.6	6037.0	11777.8	14005.1
77.5°	482.5	511.2	596.2	882.4	1098.7	859.9	839.9	2777.3	5584.5	5612.0
80°	387.5	406.2	452.5	621.2	842.4	643.7	547.5	1121.2	1764.9	1493.6
82.5°	285.0	316.2	382.5	436.2	602.4	443.7	333.7	566.2	671.2	577.5
85°	162.5	183.7	231.2	312.5	385.0	271.2	191.2	251.2	312.5	256.2
87.5°	57.5	75.0	81.2	122.5	167.5	112.5	73.7	72.5	102.5	76.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940465
 CATALOG NUMBER: GALN-SB3C-750-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3453.5	0°	3453.5	3453.5	3453.5	3453.5	3453.5	3453.5	3453.5	3453.5	3453.5	3453.5
3491.0	2.5°	3478.5	3472.2	3447.2	3413.5	3378.5	3344.7	3333.5	3309.7	3293.5	3284.7
3572.2	5°	3548.4	3528.5	3469.7	3394.7	3316.0	3231.0	3171.0	3116.0	3076.0	3038.5
3683.4	7.5°	3648.4	3613.4	3512.2	3381.0	3241.0	3099.7	2994.7	2914.8	2861.0	2826.0
3813.4	10°	3764.7	3710.9	3555.9	3359.7	3143.5	2941.0	2817.3	2748.5	2714.8	2696.0
3962.2	12.5°	3898.4	3822.2	3600.9	3311.0	2994.7	2763.5	2678.5	2658.5	2659.8	2661.0
4149.6	15°	4063.4	3957.2	3637.2	3204.7	2801.0	2627.3	2612.3	2644.8	2678.5	2694.8
4362.1	17.5°	4249.6	4099.7	3643.4	3029.7	2611.0	2539.8	2587.3	2657.3	2708.5	2731.0
4599.6	20°	4449.6	4244.6	3598.4	2782.3	2454.8	2468.5	2553.5	2643.5	2699.8	2728.5
4870.8	22.5°	4678.4	4399.6	3491.0	2522.3	2327.3	2391.0	2491.0	2578.5	2637.3	2666.0
5189.6	25°	4939.6	4573.4	3322.2	2303.6	2217.3	2303.6	2403.5	2476.0	2523.5	2549.8
5545.8	27.5°	5229.6	4754.6	3097.2	2129.8	2121.1	2213.6	2296.1	2352.3	2377.3	2397.3
5924.5	30°	5520.8	4919.6	2824.8	1998.6	2037.3	2124.8	2183.6	2208.6	2216.1	2219.8
6347.0	32.5°	5835.8	5062.1	2538.5	1889.8	1957.3	2038.6	2073.6	2084.8	2049.8	2026.1
6859.4	35°	6217.0	5214.6	2258.6	1803.6	1878.6	1948.6	1959.8	1949.8	1908.6	1859.8
7501.9	37.5°	6688.2	5404.5	2034.8	1742.4	1804.8	1851.1	1837.3	1834.8	1838.6	1781.1
8274.3	40°	7265.6	5652.0	1871.1	1694.9	1744.9	1754.9	1716.1	1737.4	1756.1	1668.6
9121.7	42.5°	7906.8	5950.7	1767.4	1662.4	1694.9	1671.1	1611.1	1634.9	1632.4	1517.4
9972.9	45°	8560.5	6275.7	1731.1	1638.6	1648.6	1601.1	1534.9	1541.1	1488.6	1384.9
10789.1	47.5°	9210.5	6624.4	1753.6	1618.6	1591.1	1537.4	1486.1	1458.6	1381.1	1303.6
11571.5	50°	9847.9	6990.7	1836.1	1578.6	1512.4	1481.1	1443.6	1394.9	1312.4	1246.1
12311.5	52.5°	10439.1	7359.4	1928.6	1512.4	1413.6	1432.4	1408.6	1352.4	1271.1	1203.6
13011.4	55°	10999.1	7728.1	1964.8	1421.1	1321.1	1389.9	1376.1	1272.4	1174.9	1119.9
13743.8	57.5°	11609.0	8171.8	1924.8	1304.9	1246.1	1341.1	1288.6	1173.7	1117.4	1076.2
14697.5	60°	12453.9	8868.0	1838.6	1161.2	1174.9	1268.6	1178.7	1131.2	1069.9	1023.7
16127.4	62.5°	13857.6	10166.6	1699.9	1018.7	1091.2	1161.2	1126.2	1078.7	1016.2	971.2
18572.2	65°	15932.4	11971.5	1438.6	907.4	997.4	1056.2	1069.9	1022.4	957.4	909.9
20714.5	67.5°	17682.3	13103.9	1088.7	814.9	901.2	971.2	1009.9	963.7	894.9	848.7
21215.7	70°	17586.0	12281.5	831.2	723.7	816.2	887.4	937.4	901.2	827.4	783.7
19270.9	72.5°	15619.9	10274.1	672.4	631.2	729.9	799.9	859.9	832.4	757.4	714.9
14117.6	75°	11475.3	7293.1	537.5	537.5	622.4	708.7	774.9	757.4	688.7	658.7
5927.0	77.5°	4837.1	3059.7	421.2	446.2	517.5	608.7	691.2	697.4	637.4	674.9
1567.4	80°	1286.1	843.7	321.2	351.2	406.2	502.5	601.2	598.7	533.7	498.7
582.5	82.5°	490.0	332.5	228.7	247.5	293.7	385.0	476.2	491.2	426.2	368.7
228.7	85°	188.7	142.5	141.2	148.7	171.2	255.0	360.0	372.5	321.2	272.5
63.7	87.5°	48.7	42.5	52.5	50.0	78.7	136.2	206.2	213.7	196.2	113.7
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>
3453.5
3294.7
3053.5
2833.5
2701.0
2663.5
2693.5
2736.0
2736.0
2673.5
2557.3
2404.8
2228.6
2033.6
1862.3
1784.8
1671.1
1516.1
1388.6
1303.6
1241.1
1204.9
1114.9
1072.4
1021.2
971.2
912.4
849.9
787.4
714.9
649.9
612.4
463.7
368.7
281.2
162.5
0.0

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