

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: P940745

Luminaire Tested: **GALN-SB3D-950-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940745
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-SB3D-950-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21045 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

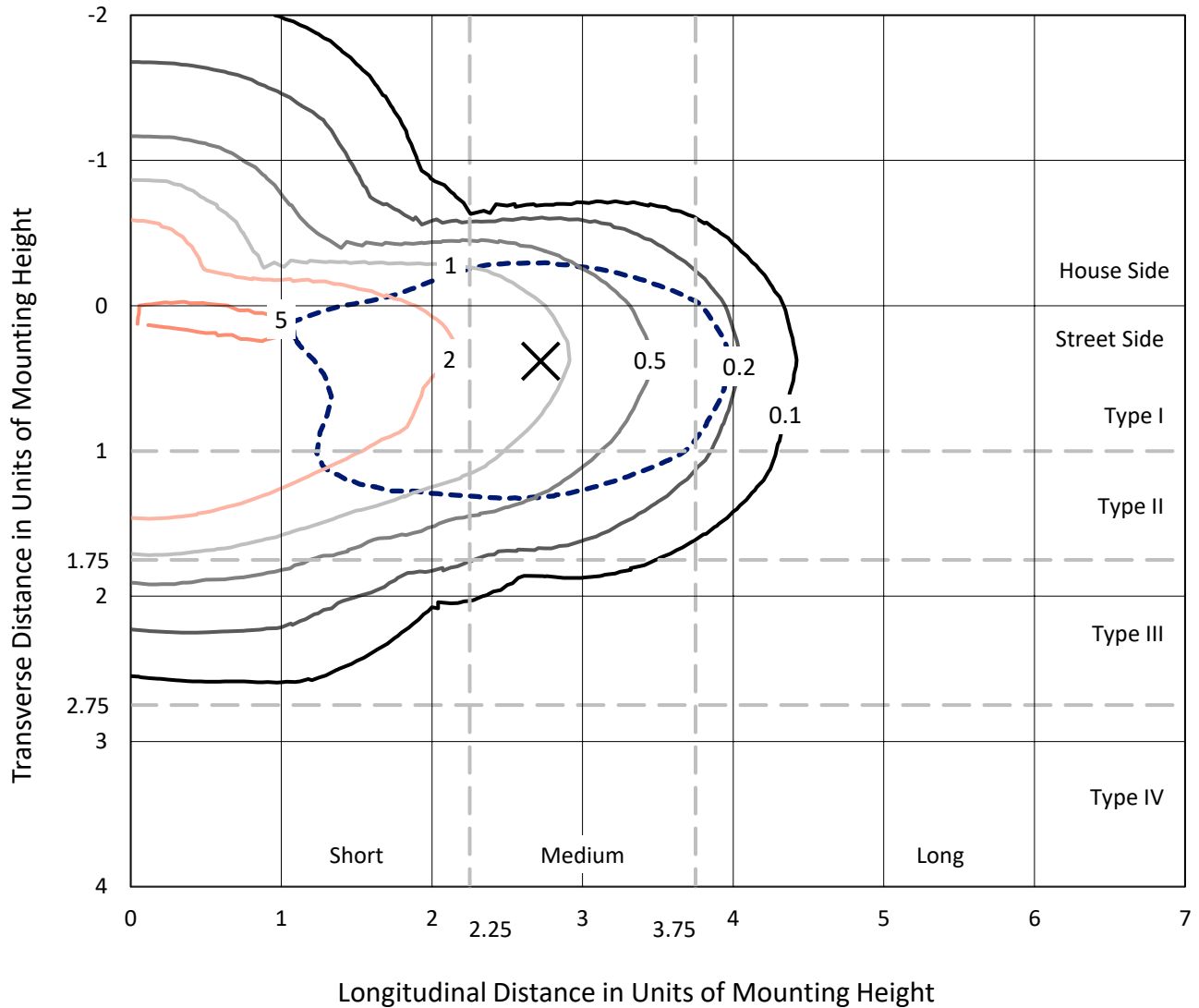
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940745
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Iso-Footcandle Lines of Horizontal Illumination

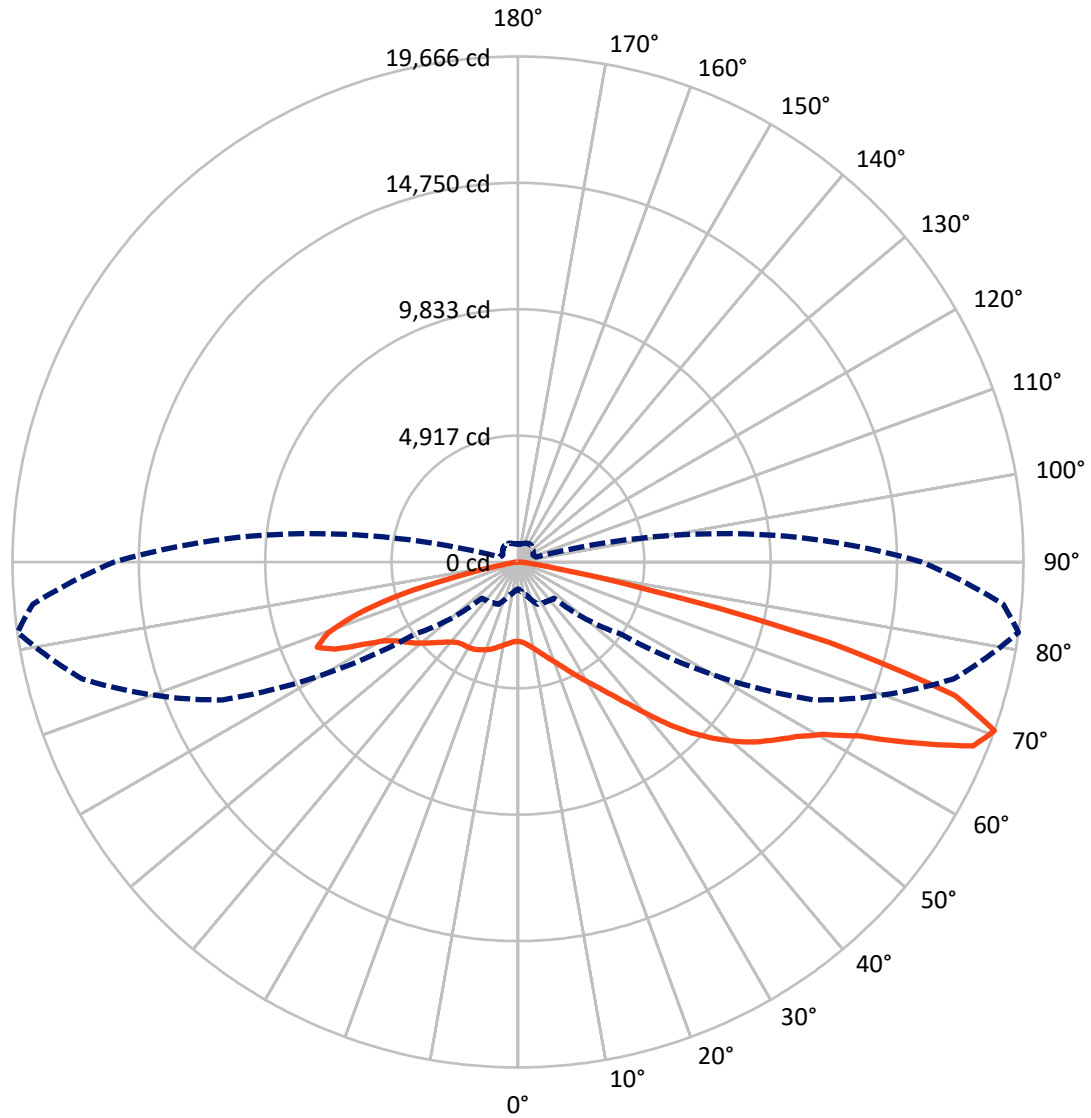
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P940745
CATALOG NUMBER: GALN-SB3D-950-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	5188.1	0.0	5188.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	15856.9	0.0	15856.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	21045.0	0.0	21045.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.3	1.4
10°-20°	837.0	4.0
20°-30°	1400.2	6.7
30°-40°	2187.5	10.4
40°-50°	3483.8	16.6
50°-60°	4848.1	23.0
60°-70°	5071.3	24.1
70°-80°	2650.6	12.6
80°-90°	275.2	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°	21045.0	100.0
0°-180°	21045.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940745

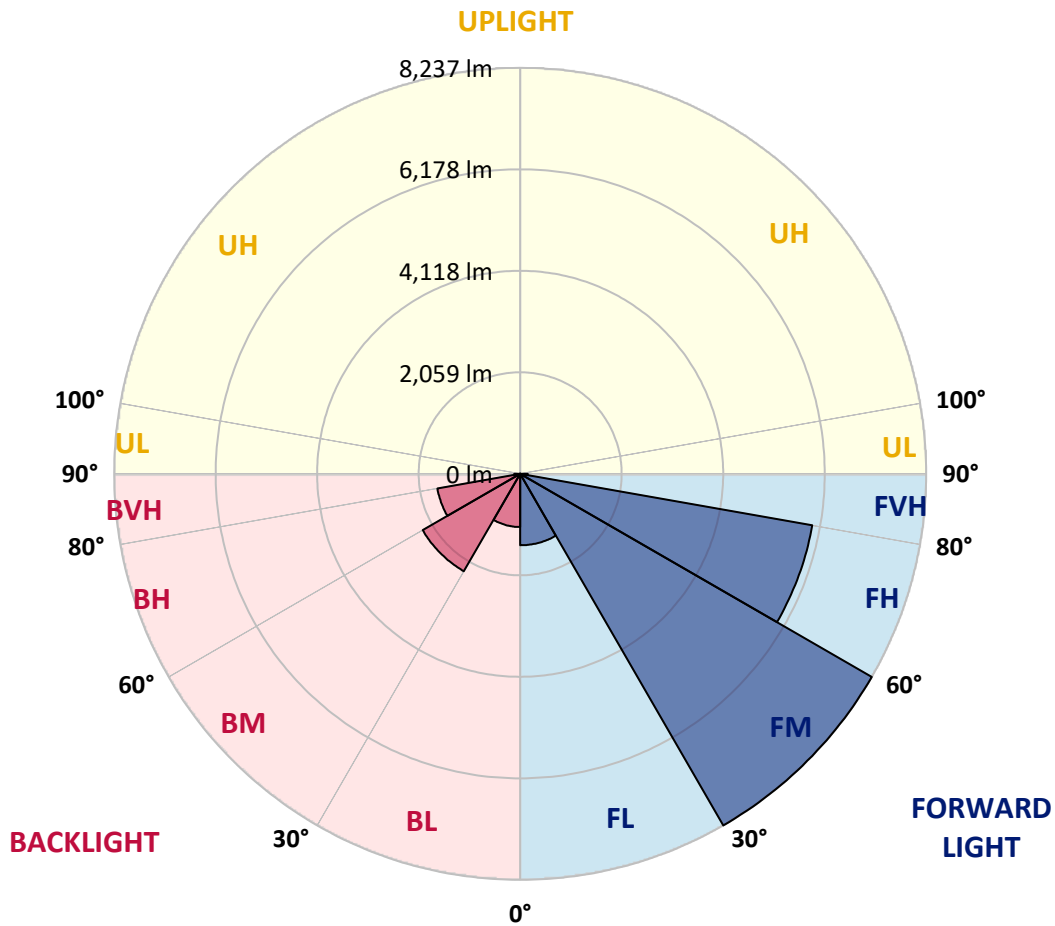
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1449.2	6.9			
FM (30°-60°)	8236.8	39.1			
FH (60°-80°)	6016.8	28.6			G3/7500
FVH (80°-90°)	154.1	0.7			G2/225
BL (0°-30°)	1079.3	5.1	B3/2500		
BM (30°-60°)	2282.6	10.8	B2/2500		
BH (60°-80°)	1705.1	8.1	B3/2500		G3/2500
BVH (80°-90°)	121.2	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: P940745

CATALOG NUMBER: GALN-SB3D-950-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3085.5	3085.5	3085.5	3085.5	3085.5	3085.5	3085.5	3085.5	3085.5	3085.5
2.5°	3159.2	3177.0	3171.4	3165.9	3165.9	3158.0	3156.9	3145.8	3136.8	3122.3
5°	3199.4	3218.3	3216.1	3220.6	3235.1	3238.4	3241.8	3235.1	3217.2	3199.4
7.5°	3163.6	3184.8	3191.5	3218.3	3263.0	3303.2	3333.4	3345.7	3328.9	3303.2
10°	3043.0	3066.5	3089.9	3153.6	3232.9	3327.8	3408.2	3456.2	3452.9	3428.3
12.5°	2798.5	2823.0	2873.3	2997.2	3142.4	3309.9	3459.6	3560.1	3594.7	3576.8
15°	2603.0	2624.3	2662.2	2789.5	2978.3	3232.9	3478.5	3674.0	3762.2	3752.1
17.5°	2597.5	2606.4	2629.8	2690.1	2835.3	3112.3	3458.4	3785.6	3954.3	3953.1
20°	2695.7	2699.1	2712.5	2724.8	2807.4	3020.7	3407.1	3878.3	4169.8	4169.8
22.5°	2832.0	2829.7	2843.1	2832.0	2872.2	3012.9	3374.7	3959.8	4409.9	4427.7
25°	3036.3	3025.2	3021.8	2996.1	3003.9	3085.5	3410.4	4052.5	4694.6	4731.5
27.5°	3308.8	3290.9	3278.7	3219.5	3199.4	3235.1	3519.9	4164.2	5011.8	5075.4
30°	3663.9	3631.5	3613.7	3510.9	3438.3	3443.9	3685.1	4312.7	5343.4	5446.2
32.5°	4148.6	4098.3	4050.3	3881.7	3748.8	3705.2	3898.4	4518.2	5703.0	5867.2
35°	4691.3	4651.1	4599.7	4339.5	4135.2	4034.7	4186.5	4805.2	6124.0	6384.2
37.5°	5213.9	5179.3	5203.9	4853.2	4589.7	4443.4	4564.0	5190.5	6643.3	7027.4
40°	5754.4	5727.6	5730.9	5395.9	5088.8	4924.7	5021.8	5674.0	7238.5	7792.4
42.5°	6341.8	6321.7	6254.7	5957.6	5612.6	5459.6	5548.9	6232.3	7877.2	8663.4
45°	6999.5	6987.2	6924.7	6584.1	6188.8	6016.8	6137.4	6848.8	8519.4	9483.1
47.5°	7567.9	7578.0	7570.2	7283.2	6873.3	6621.0	6765.0	7492.0	9116.8	10253.6
50°	7841.5	7894.0	7971.1	7881.7	7627.1	7370.3	7398.2	8112.9	9686.3	10976.1
52.5°	7698.6	7798.0	8007.9	8150.8	8249.1	8195.5	8120.7	8729.3	10222.3	11628.3
55°	7165.9	7305.5	7653.9	7999.0	8500.4	8890.1	8988.4	9412.7	10745.0	12202.3
57.5°	6195.5	6422.2	6734.9	7432.8	8277.0	9226.2	10000.1	10360.8	11298.8	12815.3
60°	4531.6	4835.3	5224.0	6262.5	7495.3	9046.4	10861.1	11817.0	12086.1	13609.3
62.5°	2900.1	3087.7	3445.0	4423.3	5840.4	8125.2	11124.6	13637.2	13420.6	14911.4
65°	1985.5	2106.1	2433.3	2982.7	3775.6	6048.1	10418.9	15001.8	15540.1	16975.1
67.5°	1442.8	1534.4	1813.5	2294.8	2460.1	3579.0	8085.0	14939.3	17600.4	19101.3
70°	1051.9	1116.7	1351.2	1813.5	1892.8	1991.1	4897.9	12699.2	17555.7	19666.3
72.5°	779.5	824.1	981.6	1407.1	1532.1	1344.5	2424.4	9229.6	15085.6	17788.0
75°	563.9	597.4	713.6	1076.5	1226.1	1024.0	1209.4	5393.7	10522.7	12512.7
77.5°	431.0	456.7	532.7	788.4	981.6	768.3	750.4	2481.3	4989.4	5014.0
80°	346.2	362.9	404.2	555.0	752.7	575.1	489.1	1001.7	1576.8	1334.5
82.5°	254.6	282.5	341.7	389.7	538.3	396.4	298.2	505.9	599.7	515.9
85°	145.2	164.2	206.6	279.2	343.9	242.3	170.9	224.5	279.2	228.9
87.5°	51.4	67.0	72.6	109.4	149.6	100.5	65.9	64.8	91.6	68.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940745
 CATALOG NUMBER: GALN-SB3D-950-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3085.5	0°	3085.5	3085.5	3085.5	3085.5	3085.5	3085.5	3085.5	3085.5	3085.5	3085.5
3119.0	2.5°	3107.8	3102.2	3079.9	3049.7	3018.5	2988.3	2978.3	2957.0	2942.5	2934.7
3191.5	5°	3170.3	3152.5	3100.0	3033.0	2962.6	2886.7	2833.1	2783.9	2748.2	2714.7
3290.9	7.5°	3259.7	3228.4	3137.9	3020.7	2895.6	2769.4	2675.6	2604.2	2556.1	2524.9
3407.1	10°	3363.5	3315.5	3177.0	3001.7	2808.5	2627.6	2517.1	2455.6	2425.5	2408.7
3540.0	12.5°	3483.0	3414.9	3217.2	2958.2	2675.6	2469.0	2393.1	2375.2	2376.4	2377.5
3707.5	15°	3630.4	3535.5	3249.6	2863.2	2502.5	2347.3	2333.9	2363.0	2393.1	2407.6
3897.3	17.5°	3796.8	3662.8	3255.2	2706.9	2332.8	2269.1	2311.6	2374.1	2419.9	2440.0
4109.5	20°	3975.5	3792.3	3215.0	2485.8	2193.2	2205.5	2281.4	2361.8	2412.1	2437.8
4351.8	22.5°	4179.8	3930.8	3119.0	2253.5	2079.3	2136.3	2225.6	2303.8	2356.3	2381.9
4636.6	25°	4413.2	4086.0	2968.2	2058.1	1981.0	2058.1	2147.4	2212.2	2254.6	2278.1
4954.8	27.5°	4672.3	4248.0	2767.2	1902.9	1895.1	1977.7	2051.4	2101.6	2124.0	2141.8
5293.2	30°	4932.5	4395.4	2523.8	1785.6	1820.2	1898.4	1950.9	1973.2	1979.9	1983.3
5670.6	32.5°	5213.9	4522.7	2268.0	1688.5	1748.8	1821.3	1852.6	1862.7	1831.4	1810.2
6128.5	35°	5554.5	4658.9	2017.9	1611.4	1678.4	1740.9	1751.0	1742.1	1705.2	1661.7
6702.5	37.5°	5975.5	4828.6	1818.0	1556.7	1612.5	1653.8	1641.6	1639.3	1642.7	1591.3
7392.6	40°	6491.4	5049.7	1671.7	1514.3	1558.9	1567.9	1533.2	1552.2	1569.0	1490.8
8149.7	42.5°	7064.3	5316.6	1579.0	1485.2	1514.3	1493.0	1439.4	1460.7	1458.4	1355.7
8910.2	45°	7648.3	5607.0	1546.6	1464.0	1472.9	1430.5	1371.3	1376.9	1330.0	1237.3
9639.4	47.5°	8229.0	5918.5	1566.7	1446.1	1421.6	1373.5	1327.8	1303.2	1234.0	1164.7
10338.5	50°	8798.5	6245.7	1640.4	1410.4	1351.2	1323.3	1289.8	1246.2	1172.5	1113.4
10999.6	52.5°	9326.7	6575.2	1723.1	1351.2	1263.0	1279.7	1258.5	1208.3	1135.7	1075.4
11624.9	55°	9827.0	6904.6	1755.5	1269.7	1180.4	1241.8	1229.5	1136.8	1049.7	1000.6
12279.3	57.5°	10372.0	7301.0	1719.7	1165.8	1113.4	1198.2	1151.3	1048.6	998.3	961.5
13131.4	60°	11126.9	7923.0	1642.7	1037.4	1049.7	1133.5	1053.1	1010.6	955.9	914.6
14408.9	62.5°	12380.9	9083.3	1518.7	910.1	974.9	1037.4	1006.2	963.7	907.9	867.7
16593.1	65°	14234.7	10695.8	1285.3	810.7	891.1	943.6	955.9	913.5	855.4	813.0
18507.2	67.5°	15798.0	11707.6	972.7	728.1	805.1	867.7	902.3	861.0	799.6	758.2
18955.0	70°	15712.1	10972.8	742.6	646.6	729.2	792.9	837.5	805.1	739.3	700.2
17217.4	72.5°	13955.5	9179.3	600.8	563.9	652.2	714.7	768.3	743.7	676.7	638.8
12613.2	75°	10252.5	6516.0	480.2	480.2	556.1	633.2	692.4	676.7	615.3	588.5
5295.4	77.5°	4321.7	2733.7	376.3	398.7	462.3	543.8	617.5	623.1	569.5	603.0
1400.3	80°	1149.1	753.8	287.0	313.8	362.9	448.9	537.1	534.9	476.8	445.6
520.4	82.5°	437.7	297.0	204.4	221.1	262.4	343.9	425.5	438.9	380.8	329.4
204.4	85°	168.6	127.3	126.2	132.9	153.0	227.8	321.6	332.8	287.0	243.4
57.0	87.5°	43.6	38.0	46.9	44.7	70.4	121.7	184.3	191.0	175.3	101.6
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>
3085.5
2943.6
2728.1
2531.6
2413.2
2379.7
2406.5
2444.5
2444.5
2388.6
2284.8
2148.5
1991.1
1816.9
1663.9
1594.7
1493.0
1354.6
1240.7
1164.7
1108.9
1076.5
996.1
958.1
912.3
867.7
815.2
759.4
703.5
638.8
580.7
547.2
414.3
329.4
251.3
145.2
0.0

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