

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: P948519

Luminaire Tested: **GALN-SB3C-750-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
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-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24214 lumens
Efficiency: N/A
Efficacy: 162.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

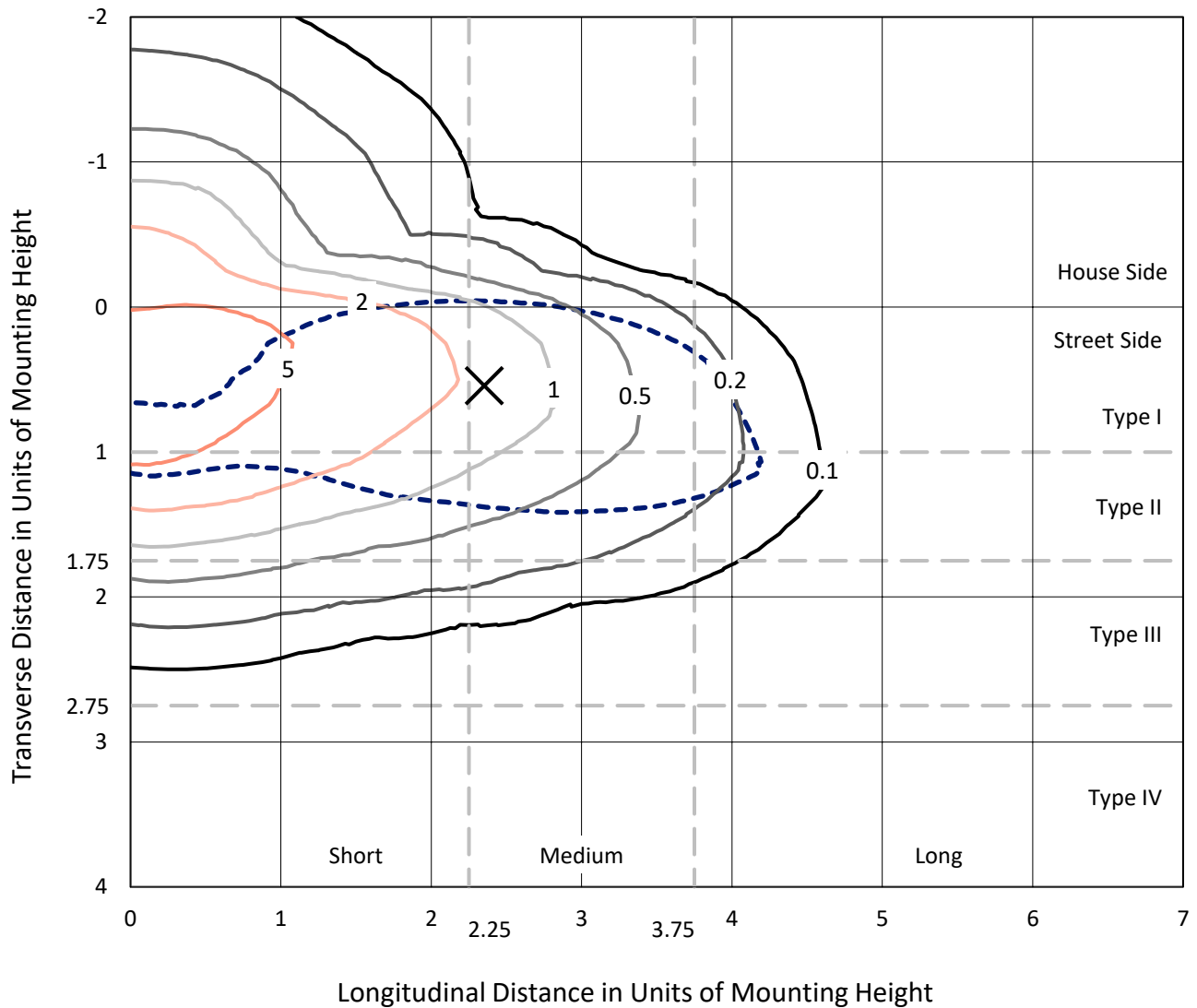
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

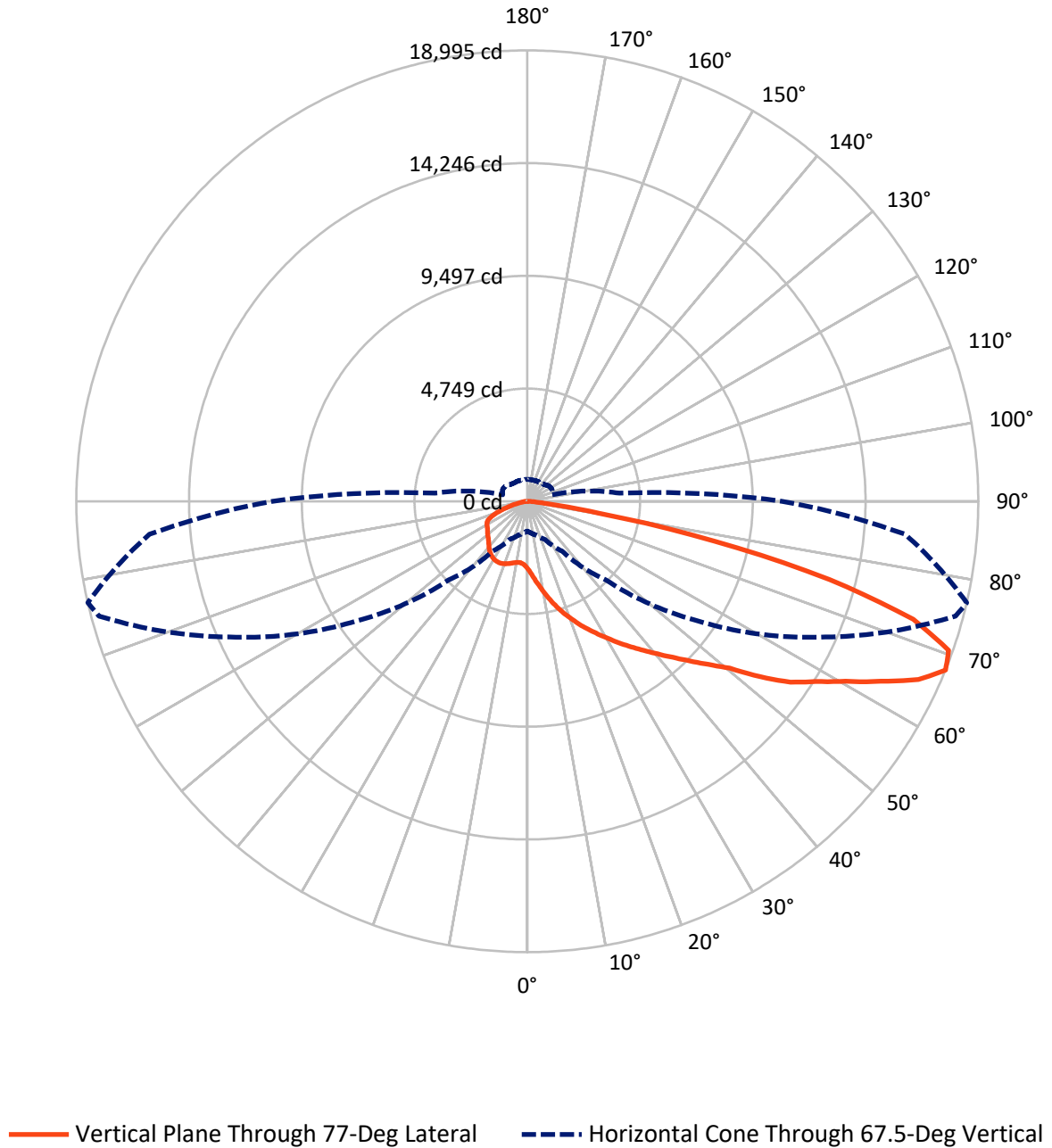
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4580.3	0.0	4580.3
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	19633.7	0.0	19633.7
	% Fixture	81.1	0.0	81.1
Total	Lumens	24214.0	0.0	24214.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.5	1.3
10°-20°	1094.0	4.5
20°-30°	2065.6	8.5
30°-40°	3327.7	13.7
40°-50°	4551.7	18.8
50°-60°	5134.3	21.2
60°-70°	4792.3	19.8
70°-80°	2627.0	10.8
80°-90°	316.9	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°	24214.0	100.0
0°-180°	24214.0	100.0



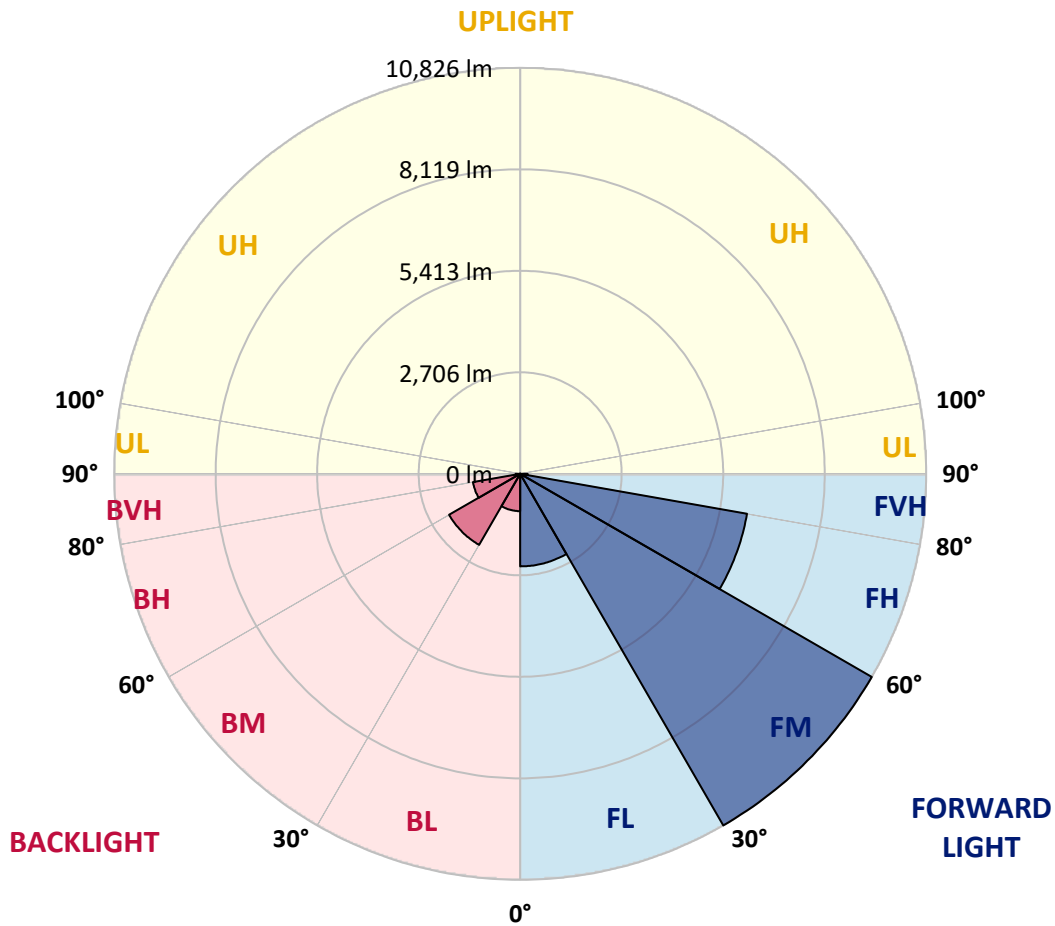
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2468.3	10.2			
FM (30°-60°)	10825.8	44.7			
FH (60°-80°)	6141.4	25.4			G3/7500
FVH (80°-90°)	198.2	0.8			G2/225
BL (0°-30°)	995.9	4.1	B2/1000		
BM (30°-60°)	2187.9	9.0	B2/2500		
BH (60°-80°)	1277.8	5.3	B3/2500		G3/2500
BVH (80°-90°)	118.7	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1
2.5°	3557.3	3582.3	3551.0	3551.0	3446.0	3391.0	3286.0	3206.0	3062.3	3037.3
5°	4204.7	4236.0	4192.2	4173.5	4049.7	3936.0	3759.7	3586.0	3329.8	3303.5
7.5°	4705.9	4745.9	4707.2	4687.2	4577.2	4449.7	4243.5	4001.0	3639.7	3588.5
10°	5114.6	5120.9	5108.4	5115.9	5029.7	4924.7	4713.4	4430.9	3979.7	3909.7
12.5°	5345.9	5374.6	5399.6	5444.6	5429.6	5364.6	5174.6	4837.2	4339.7	4249.7
15°	5454.6	5504.6	5560.9	5664.6	5748.4	5764.6	5619.6	5273.4	4705.9	4597.2
17.5°	5493.4	5540.9	5629.6	5779.6	5959.6	6080.8	6015.8	5697.1	5068.4	4943.4
20°	5689.6	5703.4	5757.1	5899.6	6094.6	6295.8	6344.6	6104.6	5427.1	5285.9
22.5°	6109.6	6082.1	6097.1	6162.1	6302.1	6497.1	6608.3	6464.6	5795.9	5633.4
25°	6803.3	6723.3	6643.3	6568.3	6639.5	6749.5	6875.8	6824.5	6182.1	5975.8
27.5°	7679.5	7582.0	7405.7	7159.5	7073.3	7112.0	7168.3	7158.3	6539.5	6330.8
30°	8541.9	8428.2	8218.2	7862.0	7634.5	7532.0	7489.5	7460.7	6928.3	6705.8
32.5°	9230.6	9140.6	8934.4	8535.7	8205.7	8030.7	7889.5	7787.0	7334.5	7112.0
35°	9833.1	9749.3	9513.1	9078.1	8719.4	8533.2	8348.2	8129.4	7757.0	7532.0
37.5°	10383.0	10299.3	9975.6	9523.1	9161.9	9033.1	8868.1	8496.9	8180.7	7968.2
40°	10730.5	10711.8	10409.3	9896.8	9521.8	9458.1	9403.1	8923.1	8650.7	8453.2
42.5°	10819.3	10860.5	10620.5	10199.3	9841.8	9790.6	9919.3	9405.6	9178.1	8989.4
45°	10605.5	10724.3	10566.8	10280.5	10069.3	10041.8	10376.8	9933.1	9761.8	9589.3
47.5°	10064.3	10265.5	10200.5	10160.6	10130.6	10249.3	10779.3	10493.0	10423.0	10273.0
50°	8971.9	9353.1	9466.8	9719.3	10009.3	10410.5	11145.5	11104.2	11195.5	11044.2
52.5°	7083.3	7608.2	8268.2	8900.6	9636.8	10356.8	11548.0	11981.7	12366.6	12284.2
55°	5847.1	6083.3	6590.8	7750.7	8914.4	10130.6	11729.2	12690.4	13529.1	13455.3
57.5°	4897.2	5108.4	5420.9	6389.6	7822.0	9616.8	11841.7	13122.8	14325.3	14317.8
60°	3878.5	4102.2	4422.2	5108.4	6545.8	8729.4	11816.7	13615.3	15341.4	15403.9
62.5°	2728.6	2974.8	3329.8	3969.7	5242.1	7579.5	11306.7	13971.5	16537.6	16707.6
65°	1793.6	1956.1	2223.6	2776.1	3906.0	6100.8	10333.0	14017.8	17817.5	18105.0
67.5°	1257.4	1319.9	1477.4	1777.4	2574.8	4678.4	8781.9	13539.1	18671.2	18994.9
70°	981.2	1012.4	1092.4	1212.4	1617.4	3146.0	6729.5	12294.2	18488.7	18826.2
72.5°	847.4	877.4	907.4	922.4	1084.9	1942.4	4558.4	10279.3	16770.1	16998.8
75°	768.7	776.2	801.2	796.2	827.4	1259.9	2631.1	7489.5	13231.6	13152.8
77.5°	646.2	656.2	697.5	691.2	734.9	861.2	1366.2	4833.4	8578.2	8043.2
80°	547.5	552.5	597.5	590.0	638.7	623.7	697.5	2463.6	3638.5	3082.3
82.5°	190.0	235.0	456.2	470.0	487.5	377.5	402.5	1004.9	1111.2	851.2
85°	92.5	98.7	232.5	330.0	328.7	190.0	196.2	358.7	350.0	275.0
87.5°	15.0	18.7	27.5	128.7	102.5	50.0	67.5	70.0	72.5	62.5
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°
2841.1	0°	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1
2942.3	2.5°	2872.3	2809.8	2678.6	2557.3	2462.3	2371.1	2319.8	2276.1	2251.1	2246.1
3079.8	5°	2949.8	2821.1	2582.3	2381.1	2249.8	2152.4	2101.1	2068.6	2052.4	2042.4
3264.8	7.5°	3061.0	2872.3	2532.3	2303.6	2166.1	2096.1	2069.9	2064.9	2063.6	2064.9
3488.5	10°	3214.8	2956.0	2527.3	2284.8	2169.9	2131.1	2129.9	2131.1	2136.1	2137.4
3732.2	12.5°	3381.0	3042.3	2547.3	2301.1	2217.3	2196.1	2192.3	2191.1	2194.8	2197.3
3978.5	15°	3562.3	3156.0	2581.1	2336.1	2269.8	2247.3	2243.6	2236.1	2234.8	2233.6
4237.2	17.5°	3748.5	3268.5	2618.6	2373.6	2303.6	2272.3	2258.6	2241.1	2227.3	2223.6
4504.7	20°	3937.2	3379.8	2644.8	2392.3	2306.1	2262.3	2234.8	2204.8	2181.1	2167.4
4774.7	22.5°	4138.5	3496.0	2661.1	2387.3	2283.6	2223.6	2173.6	2138.6	2102.4	2078.6
5047.2	25°	4334.7	3597.3	2659.8	2361.1	2239.8	2163.6	2099.9	2054.9	2004.9	1979.9
5328.4	27.5°	4523.4	3688.5	2628.6	2314.8	2177.4	2092.4	2016.1	1962.4	1913.6	1889.9
5612.1	30°	4718.4	3764.7	2579.8	2247.3	2103.6	2009.9	1926.1	1879.9	1836.1	1813.6
5912.1	32.5°	4912.2	3834.7	2511.1	2163.6	2018.6	1928.6	1846.1	1803.6	1777.4	1777.4
6234.6	35°	5117.1	3883.5	2419.8	2066.1	1928.6	1842.4	1777.4	1752.4	1749.9	1734.9
6575.8	37.5°	5333.4	3914.7	2308.6	1966.1	1839.9	1758.6	1738.6	1708.6	1683.6	1651.1
6950.8	40°	5560.9	3946.0	2174.9	1862.4	1746.1	1701.1	1692.4	1652.4	1581.1	1501.1
7375.7	42.5°	5837.1	3967.2	2036.1	1758.6	1647.4	1632.4	1644.9	1576.1	1462.4	1402.4
7888.2	45°	6157.1	4002.2	1908.6	1656.1	1546.1	1546.1	1598.6	1508.6	1414.9	1377.4
8473.2	47.5°	6572.0	4083.5	1789.9	1543.6	1452.4	1477.4	1496.1	1427.4	1374.9	1328.7
9185.6	50°	7172.0	4278.5	1667.4	1429.9	1381.2	1431.2	1404.9	1364.9	1303.7	1266.2
10318.0	52.5°	7917.0	4393.4	1558.6	1327.4	1319.9	1369.9	1332.4	1294.9	1248.7	1198.7
11176.7	55°	8424.4	4414.7	1467.4	1252.4	1278.7	1273.7	1259.9	1226.2	1201.2	1134.9
12024.2	57.5°	8991.9	4457.2	1392.4	1207.4	1252.4	1197.4	1192.4	1163.7	1131.2	1086.2
13057.9	60°	9670.6	4523.4	1327.4	1189.9	1229.9	1147.4	1122.4	1111.2	1078.7	1056.2
14301.5	62.5°	10410.5	4583.4	1261.2	1192.4	1203.7	1098.7	1061.2	1057.4	1037.4	1029.9
15468.9	65°	10915.5	4419.7	1178.7	1189.9	1162.4	1048.7	1001.2	999.9	983.7	981.2
15975.2	67.5°	10739.3	3901.0	1067.4	1154.9	1119.9	998.7	946.2	941.2	919.9	921.2
15446.4	70°	9856.8	3161.0	913.7	1068.7	1067.4	953.7	888.7	872.4	843.7	848.7
13430.3	72.5°	8201.9	2342.3	707.5	924.9	983.7	912.4	822.4	796.2	759.9	764.9
9914.3	75°	5923.3	1592.4	515.0	703.7	856.2	863.7	757.4	712.5	668.7	676.2
5518.4	77.5°	3031.0	902.4	378.7	485.0	672.5	784.9	698.7	638.7	628.7	698.7
1591.1	80°	988.7	452.5	262.5	340.0	441.2	642.5	612.5	543.7	541.2	557.5
333.7	82.5°	295.0	191.2	168.7	223.7	243.7	492.5	528.7	411.2	353.7	372.5
111.2	85°	101.2	92.5	96.2	111.2	116.2	288.7	370.0	272.5	257.5	283.7
25.0	87.5°	23.7	32.5	27.5	25.0	25.0	70.0	143.7	113.7	157.5	105.0
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>
2841.1
2246.1
2041.1
2068.6
2138.6
2198.6
2232.3
2227.3
2172.4
2079.9
1979.9
1888.6
1812.4
1778.6
1731.1
1646.1
1489.9
1403.7
1383.7
1327.4
1262.4
1188.7
1136.2
1071.2
1062.4
1029.9
979.9
921.2
853.7
763.7
678.7
688.7
478.7
385.0
280.0
101.2
0.0

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