

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: P952648

Luminaire Tested: **GALN-SB6B-940-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952648  
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-940-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

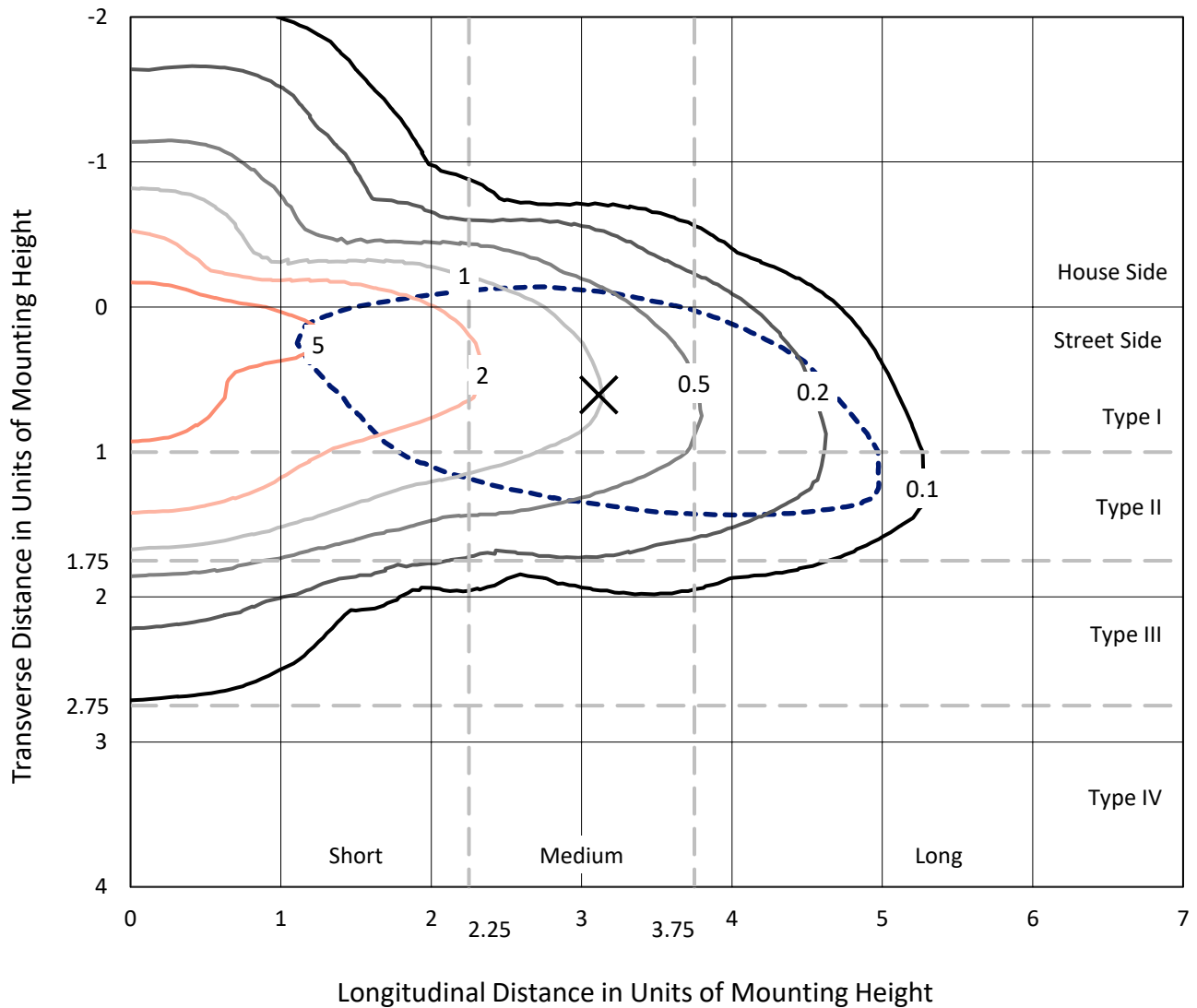
Lumens per Lamp: N/A  
Luminaire Lumens: 24594 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

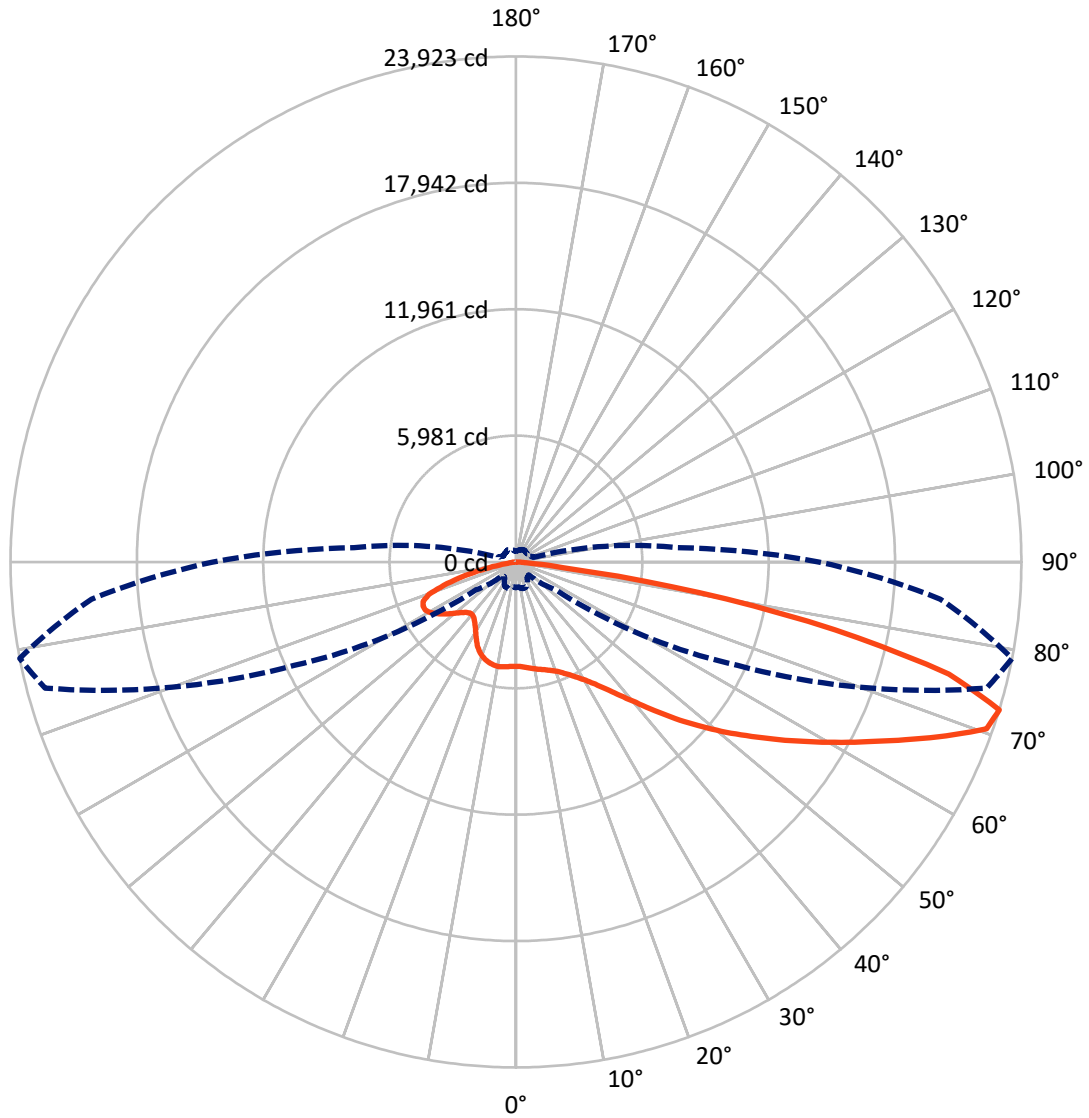
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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
<b>House Side</b>	Lumens	5412.0	0.0	5412.0
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	19182.0	0.0	19182.0
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	24594.0	0.0	24594.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	448.1	1.8
10°-20°	1171.7	4.8
20°-30°	1890.6	7.7
30°-40°	2837.5	11.5
40°-50°	4025.1	16.4
50°-60°	5083.2	20.7
60°-70°	5162.7	21.0
70°-80°	3518.6	14.3
80°-90°	456.5	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°	24594.0	100.0
0°-180°	24594.0	100.0

**Coefficient of Utilization**



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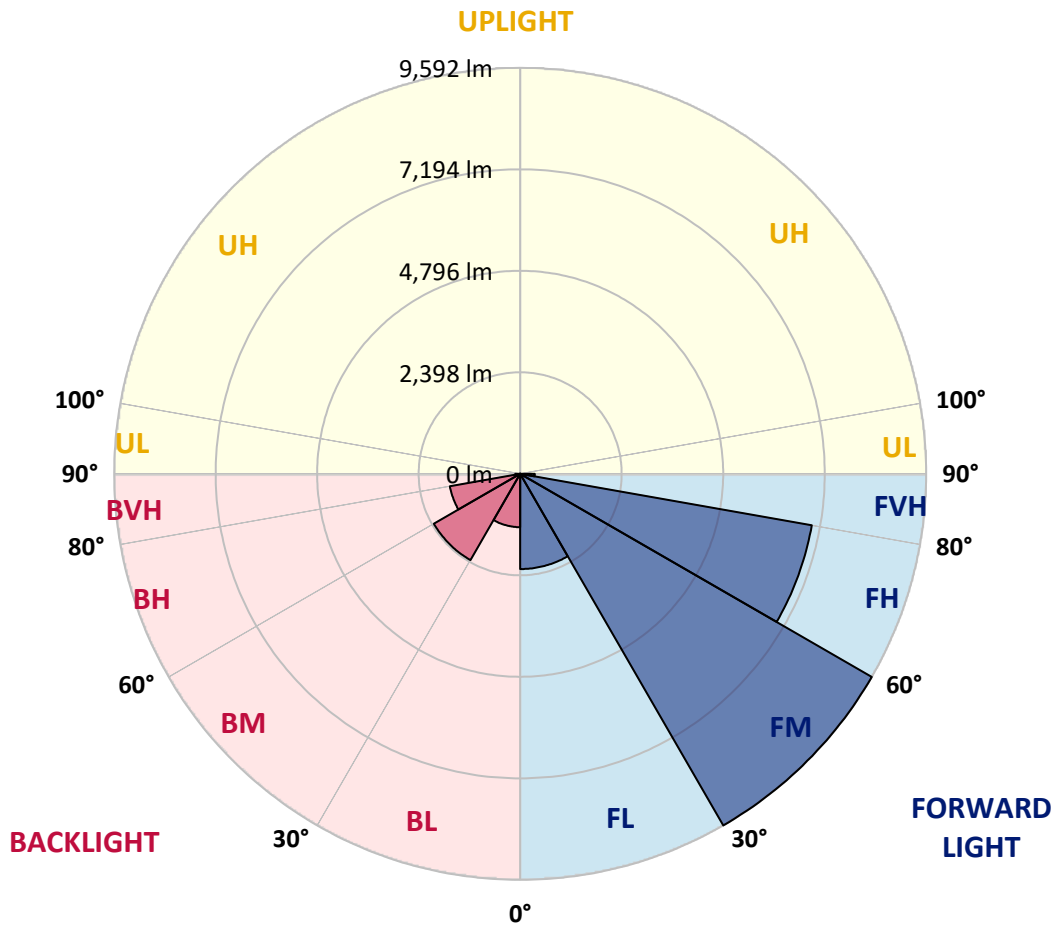
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2249.8	9.1			
FM (30°-60°)	9592.2	39.0			
FH (60°-80°)	6996.2	28.4			G3/7500
FVH (80°-90°)	343.9	1.4			G3/500
BL (0°-30°)	1260.6	5.1	B3/2500		
BM (30°-60°)	2353.7	9.6	B2/2500		
BH (60°-80°)	1685.1	6.9	B3/2500		G3/2500
BVH (80°-90°)	112.6	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°	79°
0°	4937.0	4937.0	4937.0	4937.0	4937.0	4937.0	4937.0	4937.0	4937.0	4937.0
2.5°	4939.6	4916.2	4930.5	4925.3	4931.8	4939.6	4942.2	4946.1	4959.1	4957.8
5°	4929.2	4905.8	4925.3	4918.8	4935.7	4953.9	4969.5	4983.8	5004.7	5013.8
7.5°	4907.1	4891.5	4911.0	4930.5	4961.7	4989.0	5011.2	5043.7	5073.6	5078.8
10°	4778.3	4766.6	4812.1	4862.9	4948.7	5022.9	5071.0	5108.7	5141.3	5146.5
12.5°	4644.3	4630.0	4680.7	4749.7	4888.9	5022.9	5124.3	5173.8	5202.4	5219.3
15°	4622.2	4610.5	4639.1	4698.9	4814.7	4987.7	5160.8	5251.8	5276.6	5296.1
17.5°	4728.9	4706.7	4718.5	4739.3	4806.9	4955.2	5189.4	5340.3	5378.0	5398.8
20°	4976.0	4944.8	4926.6	4885.0	4873.3	4960.4	5186.8	5447.0	5496.4	5522.4
22.5°	5305.2	5284.4	5245.3	5140.0	5025.5	5024.2	5236.2	5583.6	5675.9	5700.7
25°	5703.3	5672.0	5622.6	5479.5	5259.6	5150.4	5319.5	5757.9	5912.7	5919.2
27.5°	6161.2	6114.3	6046.7	5858.1	5561.5	5348.1	5447.0	5958.2	6184.6	6182.0
30°	6643.8	6597.0	6525.4	6296.5	5923.1	5614.8	5623.9	6174.2	6507.2	6492.9
32.5°	6996.4	6961.3	6946.9	6770.0	6339.4	5929.6	5826.8	6413.6	6905.3	6892.3
35°	7267.0	7221.4	7238.3	7148.6	6793.4	6282.2	6075.3	6698.5	7389.3	7388.0
37.5°	7535.0	7494.6	7508.9	7449.1	7213.6	6729.7	6378.4	7047.1	7989.0	8017.6
40°	7779.5	7736.6	7793.8	7737.9	7540.2	7205.8	6723.2	7441.3	8683.7	8738.3
42.5°	7926.5	7892.7	7987.7	7989.0	7823.8	7607.8	7101.8	7875.8	9487.6	9609.9
45°	7977.3	7965.6	8108.7	8138.6	8074.8	7840.7	7442.6	8349.3	10354.1	10572.6
47.5°	7922.6	7900.5	8098.3	8208.8	8259.6	7950.0	7724.9	8861.9	11238.7	11558.7
50°	7646.8	7603.9	7897.9	8130.8	8311.6	8021.5	8009.8	9453.8	12244.3	12594.3
52.5°	7151.2	7118.7	7453.0	7857.6	8197.1	8056.6	8329.8	10100.4	13199.2	13651.9
55°	6517.6	6474.7	6842.9	7371.0	7912.2	8044.9	8649.9	10823.7	14325.8	14785.0
57.5°	5513.3	5427.5	5893.2	6517.6	7447.8	8030.6	8982.9	11543.1	15470.6	16020.9
60°	4048.5	3921.0	4492.1	5232.3	6539.8	7891.4	9395.3	12349.7	16844.4	17340.0
62.5°	2357.3	2283.1	2656.5	3347.3	4929.2	7071.8	9626.8	13287.7	18194.7	18715.1
65°	1830.4	1809.6	1842.1	1895.4	2743.7	5294.8	8912.6	14202.2	19912.0	20276.2
67.5°	1674.3	1658.7	1673.0	1572.8	1392.0	2949.2	7051.0	14433.8	21751.5	21972.6
70°	1488.3	1470.0	1516.9	1431.0	1095.4	1341.3	4555.8	13593.4	23215.0	23630.0
72.5°	1212.5	1191.6	1300.9	1261.9	922.4	861.2	2288.3	11596.4	23061.5	23922.7
75°	931.5	919.8	1049.8	1082.4	751.9	677.8	1098.0	8619.9	20294.4	21162.2
77.5°	723.3	714.2	780.6	898.9	606.2	525.6	675.2	5467.8	15293.7	15445.9
80°	542.5	516.5	577.6	696.0	472.2	383.8	457.9	3188.6	9667.2	8763.0
82.5°	339.5	326.5	377.3	464.4	333.0	264.1	297.9	1761.5	3874.2	2281.8
85°	193.8	188.6	205.5	265.4	180.8	152.2	170.4	778.0	707.7	486.5
87.5°	78.1	75.5	93.7	118.4	66.3	55.9	59.8	187.3	156.1	144.4
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°
4937.0	0°	4937.0	4937.0	4937.0	4937.0	4937.0	4937.0	4937.0	4937.0	4937.0	4937.0
4956.5	2.5°	4951.3	4951.3	4933.1	4904.5	4872.0	4851.2	4817.3	4808.2	4773.1	4762.7
5000.8	5°	5011.2	5000.8	4944.8	4864.2	4753.6	4652.1	4540.2	4470.0	4371.1	4336.0
5087.9	7.5°	5086.6	5058.0	4961.7	4784.8	4553.2	4325.6	4088.8	3909.3	3737.6	3676.4
5159.5	10°	5155.6	5115.2	4951.3	4641.7	4241.0	3846.8	3469.6	3205.5	3005.1	2923.2
5238.8	12.5°	5224.5	5150.4	4882.4	4403.6	3797.4	3262.7	2860.7	2655.2	2531.6	2432.7
5303.9	15°	5289.6	5185.5	4775.7	4084.9	3310.9	2768.4	2471.8	2307.8	2209.0	2143.9
5398.8	17.5°	5365.0	5215.4	4615.7	3680.3	2847.7	2426.2	2184.3	2085.4	2065.9	2058.1
5528.9	20°	5470.4	5242.7	4404.9	3227.6	2506.9	2153.0	2028.1	2019.0	2017.7	2013.8
5685.0	22.5°	5583.6	5275.3	4126.5	2816.5	2216.8	1982.6	1960.5	1942.3	1930.6	1929.3
5873.7	25°	5717.6	5285.7	3777.9	2479.6	1969.6	1902.0	1875.9	1848.6	1840.8	1840.8
6088.3	27.5°	5847.7	5250.5	3372.0	2186.9	1830.4	1827.8	1794.0	1784.9	1783.6	1787.5
6332.9	30°	5977.8	5184.2	2968.7	1916.3	1749.7	1749.7	1738.0	1744.5	1749.7	1762.8
6668.5	32.5°	6153.4	5113.9	2631.8	1715.9	1679.5	1666.5	1678.2	1691.2	1696.4	1713.3
7109.6	35°	6411.0	5064.5	2363.8	1606.6	1606.6	1589.7	1596.2	1593.6	1581.9	1574.1
7642.9	37.5°	6751.8	5061.9	2142.6	1555.9	1545.5	1542.9	1544.2	1527.3	1481.8	1427.1
8288.2	40°	7161.6	5132.2	1972.2	1520.8	1513.0	1528.6	1520.8	1475.2	1350.4	1255.4
9081.8	42.5°	7711.9	5332.5	1862.9	1477.9	1501.3	1520.8	1489.6	1332.1	1247.6	1183.8
9985.9	45°	8359.7	5657.7	1807.0	1432.3	1479.2	1502.6	1351.7	1282.7	1215.1	1138.3
10972.0	47.5°	9093.5	6067.5	1794.0	1389.4	1429.7	1444.0	1293.1	1261.9	1185.1	1101.9
11963.3	50°	9892.2	6552.8	1829.1	1338.7	1358.2	1308.7	1273.6	1245.0	1165.6	1083.7
12979.3	52.5°	10718.3	7087.4	1899.4	1269.7	1286.6	1232.0	1265.8	1241.1	1153.9	1043.3
14029.2	55°	11530.1	7626.0	1967.0	1189.0	1213.8	1163.0	1243.7	1225.5	1100.6	975.7
15149.3	57.5°	12354.9	8162.0	2033.3	1117.5	1143.5	1096.7	1208.6	1183.8	1040.7	913.2
16372.1	60°	13212.2	8682.4	2064.6	1048.5	1066.8	1035.5	1155.2	1112.3	973.1	849.5
17574.2	62.5°	14014.9	9115.6	2013.8	979.6	991.3	978.3	1085.0	1027.7	905.4	778.0
18827.0	65°	14820.1	9373.2	1857.7	911.9	914.6	908.0	986.1	936.7	826.1	715.5
19923.7	67.5°	15550.0	9517.6	1609.2	839.1	832.6	830.0	893.7	837.8	749.3	653.1
20757.6	70°	15704.8	9150.7	1229.4	753.2	753.2	746.7	792.3	735.0	664.8	586.7
20160.4	72.5°	14344.0	7697.6	872.9	655.7	666.1	653.1	690.8	642.7	578.9	526.9
17375.2	75°	11566.5	5644.7	634.9	555.5	573.7	551.6	586.7	552.9	498.3	497.0
11973.7	77.5°	7947.4	3490.4	460.5	457.9	470.9	442.3	482.6	464.4	415.0	392.9
5211.5	80°	3391.5	1392.0	335.6	353.9	353.9	327.8	374.7	379.9	336.9	326.5
1005.6	82.5°	675.2	395.5	235.5	243.3	229.0	221.2	265.4	294.0	405.9	451.4
303.1	85°	202.9	145.7	141.8	132.7	117.1	118.4	156.1	295.3	364.3	208.1
100.2	87.5°	55.9	36.4	37.7	29.9	24.7	32.5	53.3	223.8	122.3	52.0
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>
4937.0
4779.6
4362.0
3684.2
2941.4
2465.3
2155.6
2063.3
2026.8
1943.6
1848.6
1797.9
1771.9
1727.6
1592.3
1428.4
1252.8
1181.2
1133.1
1095.4
1074.6
1035.5
969.2
910.6
845.6
776.7
707.7
645.3
584.1
511.3
447.5
368.2
326.5
452.7
179.5
44.2
0.0

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