

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: P942605

Luminaire Tested: **GALN-SB6C-940-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942605  
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-SB6C-940-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32608 lumens  
Efficiency: N/A  
Efficacy: 108.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

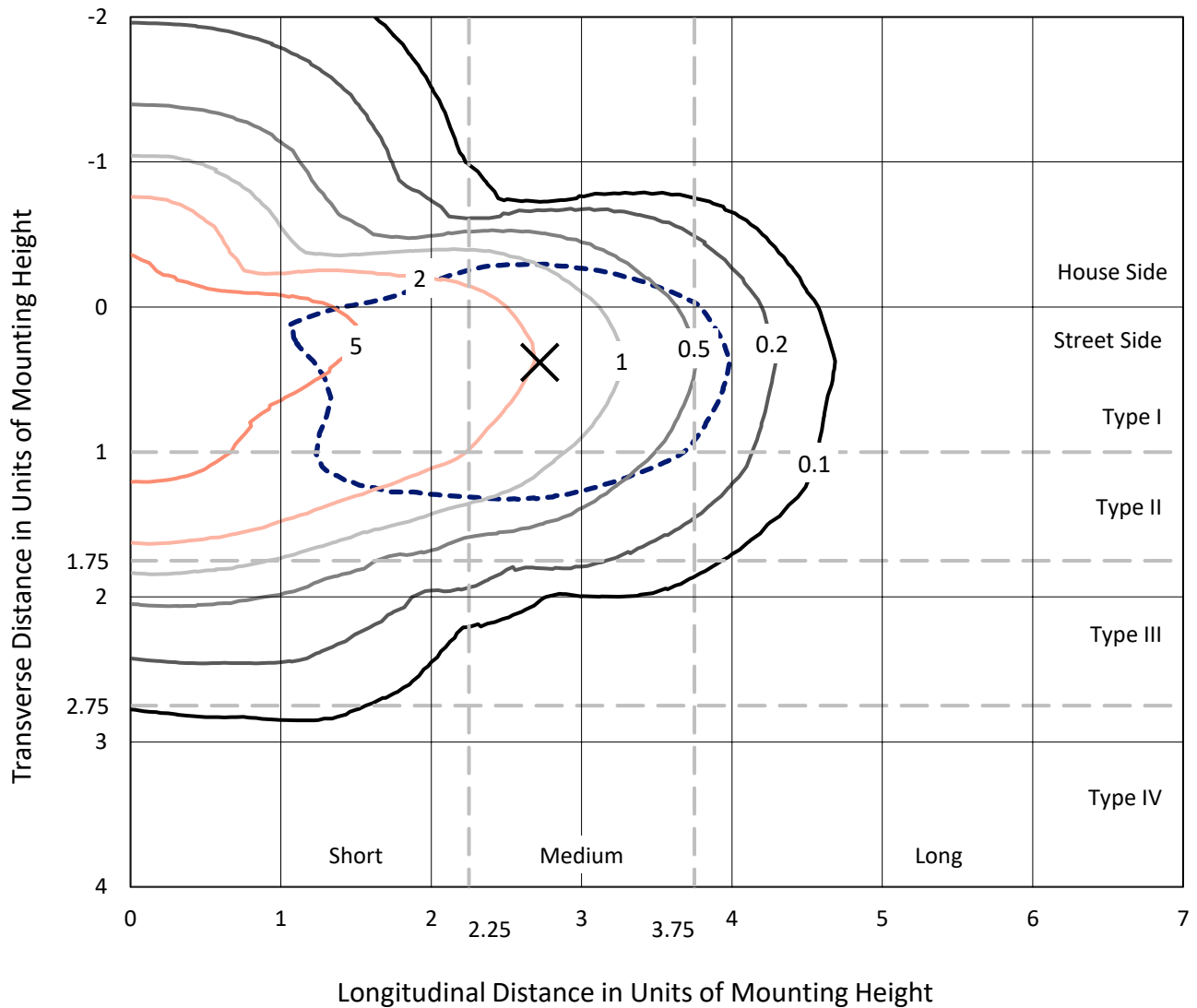
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

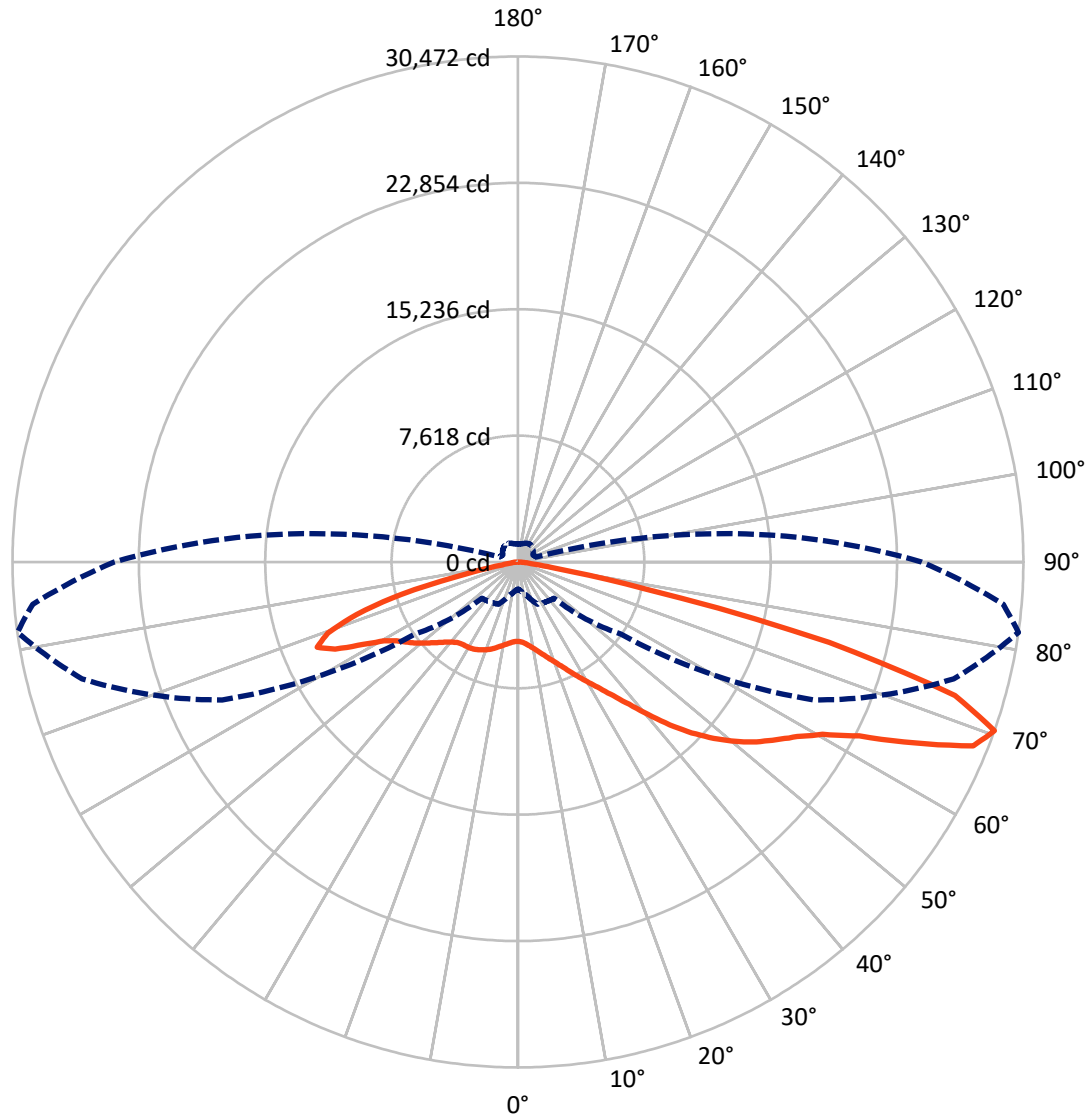
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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

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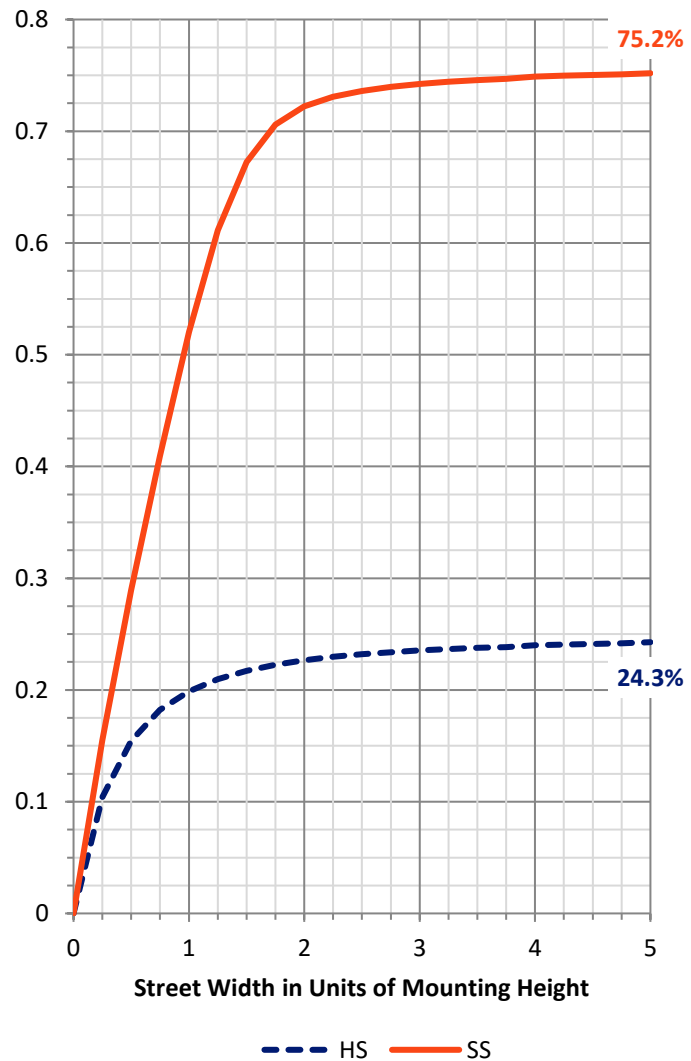
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8038.7	0.0	8038.7
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	24569.3	0.0	24569.3
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	32608.0	0.0	32608.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	451.4	1.4
10°-20°	1296.9	4.0
20°-30°	2169.5	6.7
30°-40°	3389.3	10.4
40°-50°	5397.9	16.6
50°-60°	7511.9	23.0
60°-70°	7857.8	24.1
70°-80°	4106.9	12.6
80°-90°	426.5	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°	32608.0	100.0
0°-180°	32608.0	100.0

**Coefficient of Utilization**



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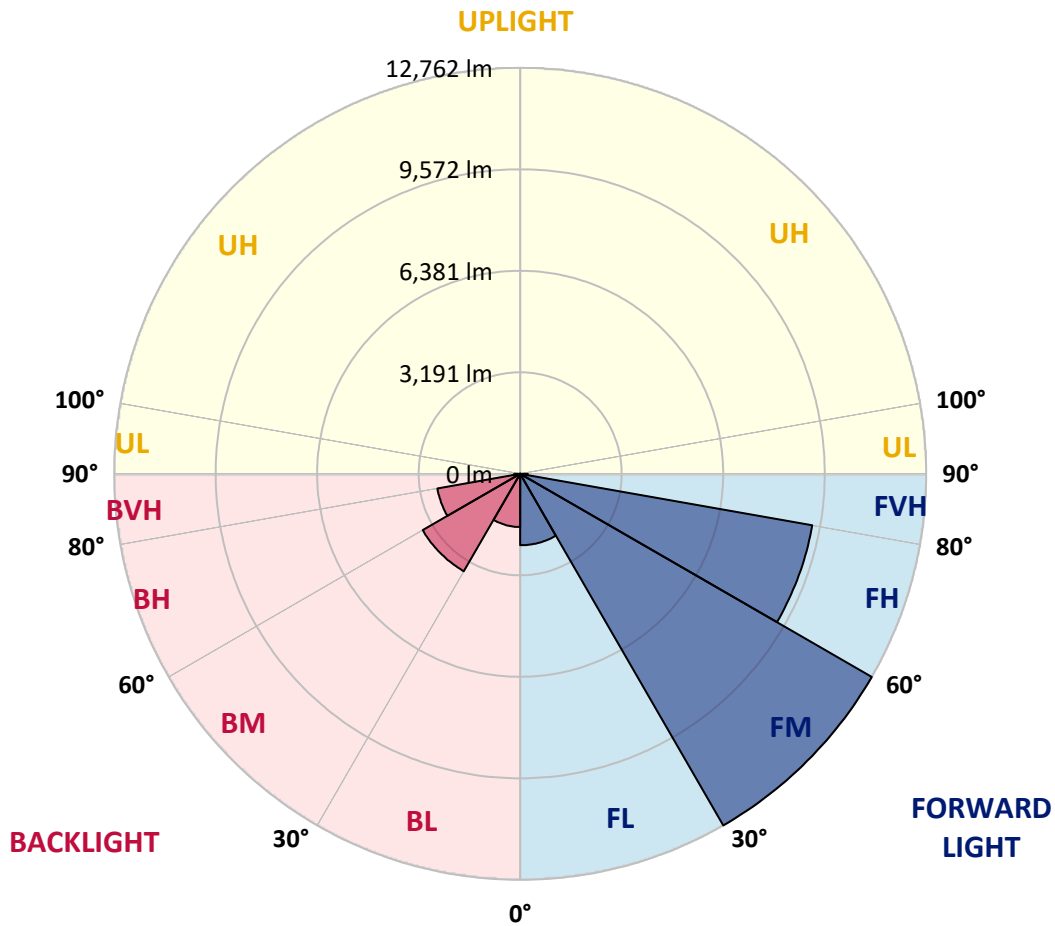
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2245.4	6.9			
FM (30°-60°)	12762.4	39.1			
FH (60°-80°)	9322.7	28.6			G4/12000
FVH (80°-90°)	238.7	0.7			G3/500
BL (0°-30°)	1672.3	5.1	B3/2500		
BM (30°-60°)	3536.7	10.8	B3/5000		
BH (60°-80°)	2641.9	8.1	B4/5000		G4/5000
BVH (80°-90°)	187.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4780.7	4780.7	4780.7	4780.7	4780.7	4780.7	4780.7	4780.7	4780.7	4780.7
2.5°	4894.9	4922.6	4914.0	4905.3	4905.3	4893.2	4891.5	4874.2	4860.3	4837.8
5°	4957.2	4986.6	4983.2	4990.1	5012.6	5017.8	5023.0	5012.6	4984.9	4957.2
7.5°	4901.9	4934.7	4945.1	4986.6	5055.9	5118.1	5164.9	5183.9	5157.9	5118.1
10°	4715.0	4751.3	4787.7	4886.3	5009.1	5156.2	5280.8	5355.2	5350.0	5311.9
12.5°	4336.1	4374.1	4452.0	4644.0	4869.0	5128.5	5360.4	5516.1	5569.7	5542.1
15°	4033.3	4066.1	4125.0	4322.2	4614.6	5009.1	5389.8	5692.6	5829.3	5813.7
17.5°	4024.6	4038.5	4074.8	4168.2	4393.2	4822.3	5358.7	5865.6	6126.9	6125.2
20°	4176.9	4182.1	4202.8	4221.9	4349.9	4680.4	5279.1	6009.2	6460.8	6460.8
22.5°	4388.0	4384.5	4405.3	4388.0	4450.3	4668.3	5228.9	6135.5	6832.8	6860.5
25°	4704.6	4687.3	4682.1	4642.3	4654.4	4780.7	5284.2	6279.2	7274.1	7331.2
27.5°	5126.8	5099.1	5080.1	4988.4	4957.2	5012.6	5453.8	6452.2	7765.5	7864.1
30°	5677.0	5626.8	5599.2	5440.0	5327.5	5336.2	5709.9	6682.3	8279.3	8438.5
32.5°	6428.0	6350.1	6275.7	6014.4	5808.5	5741.0	6040.4	7000.7	8836.5	9090.8
35°	7268.9	7206.6	7127.0	6723.8	6407.2	6251.5	6486.8	7445.4	9488.8	9892.0
37.5°	8078.6	8025.0	8063.1	7519.8	7111.4	6884.8	7071.6	8042.3	10293.4	10888.6
40°	8916.1	8874.6	8879.8	8360.7	7884.8	7630.5	7781.0	8791.5	11215.6	12073.8
42.5°	9826.2	9795.1	9691.3	9231.0	8696.3	8459.3	8597.7	9656.6	12205.3	13423.4
45°	10845.3	10826.3	10729.4	10201.7	9589.2	9322.7	9509.6	10611.8	13200.2	14693.5
47.5°	11726.1	11741.6	11729.5	11284.8	10649.8	10258.8	10482.0	11608.4	14125.9	15887.4
50°	12150.0	12231.3	12350.7	12212.3	11817.8	11419.8	11463.0	12570.4	15008.4	17006.8
52.5°	11928.5	12082.5	12407.8	12629.3	12781.5	12698.5	12582.5	13525.5	15838.9	18017.3
55°	11103.2	11319.4	11859.3	12393.9	13170.8	13774.7	13927.0	14584.5	16648.7	18906.7
57.5°	9599.5	9950.8	10435.3	11516.7	12824.8	14295.5	15494.6	16053.5	17506.9	19856.6
60°	7021.4	7492.1	8094.2	9703.4	11613.6	14016.9	16828.6	18309.7	18726.7	21086.8
62.5°	4493.5	4784.2	5337.9	6853.6	9049.3	12589.5	17237.0	21130.1	20794.4	23104.3
65°	3076.4	3263.3	3770.3	4621.6	5850.0	9371.2	16143.4	23244.5	24078.5	26301.9
67.5°	2235.5	2377.4	2810.0	3555.7	3811.8	5545.5	12527.2	23147.6	27270.8	29596.3
70°	1629.9	1730.3	2093.6	2810.0	2932.8	3085.1	7589.0	19676.6	27201.6	30471.8
72.5°	1207.7	1276.9	1520.9	2180.1	2373.9	2083.2	3756.4	14300.7	23374.2	27561.5
75°	873.8	925.7	1105.6	1668.0	1899.8	1586.7	1873.9	8357.2	16304.3	19387.7
77.5°	667.9	707.7	825.3	1221.6	1520.9	1190.4	1162.7	3844.7	7730.9	7768.9
80°	536.4	562.3	626.4	859.9	1166.2	891.1	757.9	1552.1	2443.1	2067.7
82.5°	394.5	437.8	529.5	603.9	834.0	614.2	462.0	783.8	929.2	799.4
85°	224.9	254.3	320.1	432.6	532.9	375.5	264.7	347.8	432.6	354.7
87.5°	79.6	103.8	112.5	169.6	231.9	155.7	102.1	100.4	141.9	105.5
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°
4780.7	0°	4780.7	4780.7	4780.7	4780.7	4780.7	4780.7	4780.7	4780.7	4780.7	4780.7
4832.6	2.5°	4815.3	4806.7	4772.1	4725.4	4676.9	4630.2	4614.6	4581.8	4559.3	4547.2
4945.1	5°	4912.2	4884.6	4803.2	4699.4	4590.4	4472.8	4389.7	4313.6	4258.2	4206.3
5099.1	7.5°	5050.7	5002.2	4862.1	4680.4	4486.6	4291.1	4145.7	4035.0	3960.6	3912.1
5279.1	10°	5211.6	5137.2	4922.6	4651.0	4351.6	4071.3	3900.0	3804.9	3758.2	3732.2
5485.0	12.5°	5396.7	5291.2	4984.9	4583.5	4145.7	3825.6	3708.0	3680.3	3682.0	3683.7
5744.5	15°	5625.1	5478.0	5035.1	4436.4	3877.5	3637.0	3616.3	3661.3	3708.0	3730.5
6038.6	17.5°	5882.9	5675.3	5043.7	4194.2	3614.5	3515.9	3581.7	3678.6	3749.5	3780.6
6367.4	20°	6159.8	5876.0	4981.5	3851.6	3398.3	3417.3	3534.9	3659.5	3737.4	3777.2
6742.9	22.5°	6476.4	6090.6	4832.6	3491.7	3221.8	3310.0	3448.4	3569.6	3650.9	3690.7
7184.1	25°	6838.0	6331.1	4599.1	3188.9	3069.5	3188.9	3327.3	3427.7	3493.4	3529.8
7677.2	27.5°	7239.5	6582.0	4287.6	2948.4	2936.3	3064.3	3178.5	3256.4	3291.0	3318.7
8201.5	30°	7642.6	6810.3	3910.4	2766.7	2820.3	2941.5	3022.8	3057.4	3067.8	3073.0
8786.3	32.5°	8078.6	7007.6	3514.2	2616.2	2709.6	2822.1	2870.5	2886.1	2837.6	2804.8
9495.7	35°	8606.4	7218.7	3126.6	2496.8	2600.6	2697.5	2713.1	2699.2	2642.1	2574.6
10385.1	37.5°	9258.7	7481.7	2816.9	2412.0	2498.5	2562.5	2543.5	2540.0	2545.2	2465.6
11454.4	40°	10058.1	7824.3	2590.2	2346.2	2415.5	2429.3	2375.7	2405.1	2431.0	2309.9
12627.5	42.5°	10945.7	8237.8	2446.6	2301.3	2346.2	2313.4	2230.3	2263.2	2259.7	2100.5
13805.8	45°	11850.6	8687.7	2396.4	2268.4	2282.2	2216.5	2124.8	2133.4	2060.8	1917.1
14935.7	47.5°	12750.4	9170.4	2427.6	2240.7	2202.6	2128.2	2057.3	2019.2	1912.0	1804.7
16018.9	50°	13632.8	9677.4	2541.8	2185.3	2093.6	2050.4	1998.5	1931.0	1816.8	1725.1
17043.2	52.5°	14451.2	10187.8	2669.8	2093.6	1956.9	1982.9	1950.0	1872.2	1759.7	1666.3
18012.1	55°	15226.4	10698.3	2720.0	1967.3	1828.9	1924.1	1905.0	1761.4	1626.5	1550.3
19026.1	57.5°	16070.8	11312.5	2664.6	1806.4	1725.1	1856.6	1783.9	1624.7	1546.9	1489.8
20346.3	60°	17240.4	12276.3	2545.2	1607.4	1626.5	1756.2	1631.6	1565.9	1481.1	1417.1
22325.7	62.5°	19183.5	14074.0	2353.2	1410.2	1510.5	1607.4	1559.0	1493.2	1406.7	1344.4
25710.1	65°	22055.8	16572.5	1991.5	1256.2	1380.8	1462.1	1481.1	1415.4	1325.4	1259.6
28675.8	67.5°	24478.2	18140.2	1507.1	1128.1	1247.5	1344.4	1398.1	1334.0	1238.9	1174.9
29369.6	70°	24344.9	17001.6	1150.6	1001.8	1129.9	1228.5	1297.7	1247.5	1145.4	1084.9
26677.3	72.5°	21623.2	14222.8	930.9	873.8	1010.5	1107.4	1190.4	1152.4	1048.5	989.7
19543.4	75°	15885.6	10096.1	744.0	744.0	861.7	981.1	1072.8	1048.5	953.4	911.9
8204.9	77.5°	6696.2	4235.7	583.1	617.7	716.3	842.6	956.8	965.5	882.4	934.3
2169.8	80°	1780.4	1167.9	444.7	486.2	562.3	695.6	832.3	828.8	738.8	690.4
806.3	82.5°	678.3	460.3	316.6	342.6	406.6	532.9	659.2	680.0	590.0	510.4
316.6	85°	261.3	197.3	195.5	205.9	237.0	353.0	498.3	515.6	444.7	377.2
88.2	87.5°	67.5	58.8	72.7	69.2	109.0	188.6	285.5	295.9	271.7	157.5
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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180°  
4780.7  
4561.0  
4227.1  
3922.5  
3739.1  
3687.2  
3728.7  
3787.6  
3787.6  
3701.1  
3540.1  
3329.0  
3085.1  
2815.2  
2578.1  
2470.8  
2313.4  
2098.8  
1922.3  
1804.7  
1718.2  
1668.0  
1543.4  
1484.6  
1413.6  
1344.4  
1263.1  
1176.6  
*1090.1*  
989.7  
899.7  
847.8  
641.9  
510.4  
389.3  
224.9  
0.0

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