

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: P939727

Luminaire Tested: **GALN-SB2B-950-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939727  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB2B-950-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

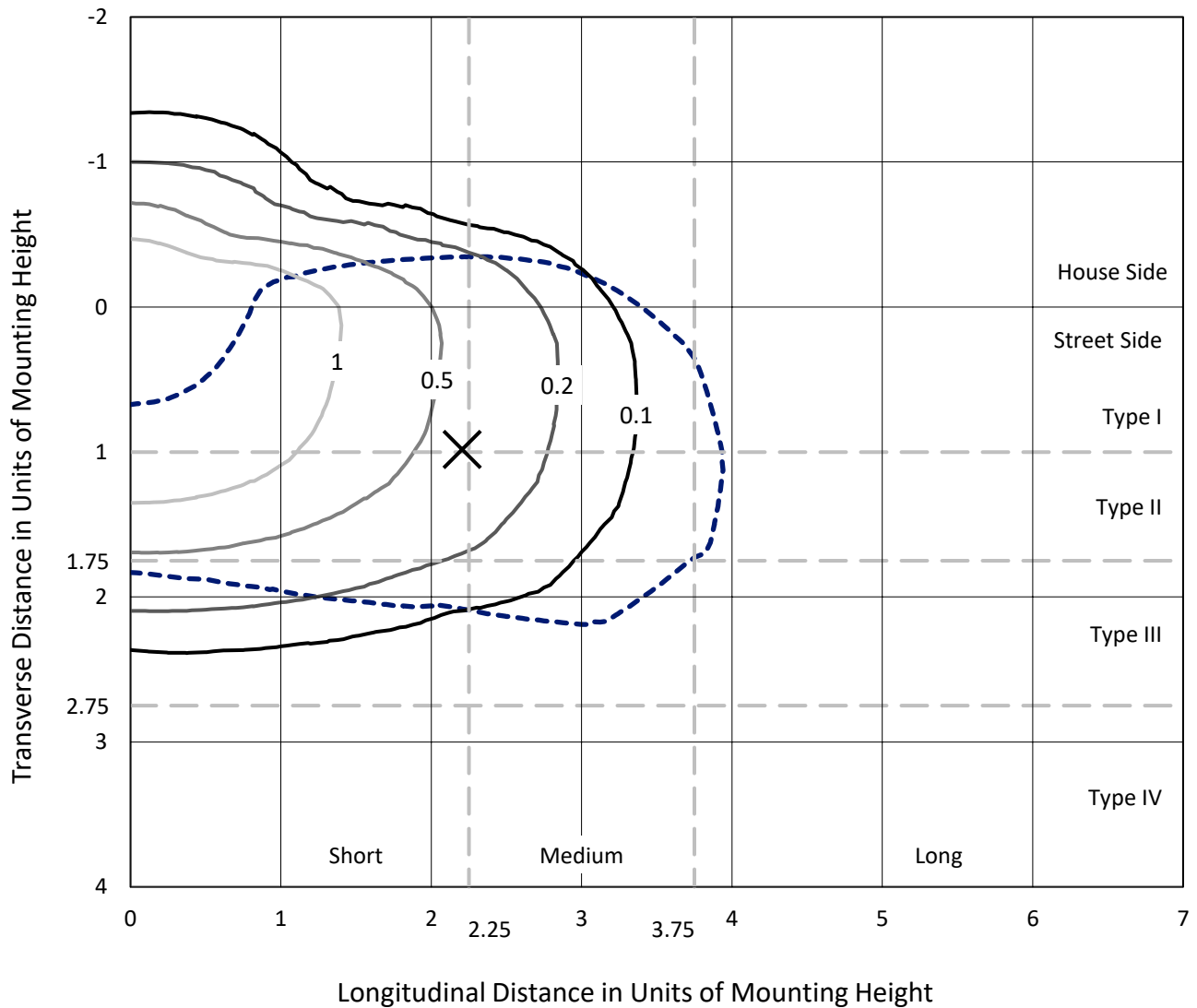
Lumens per Lamp: N/A  
Luminaire Lumens: 7839 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

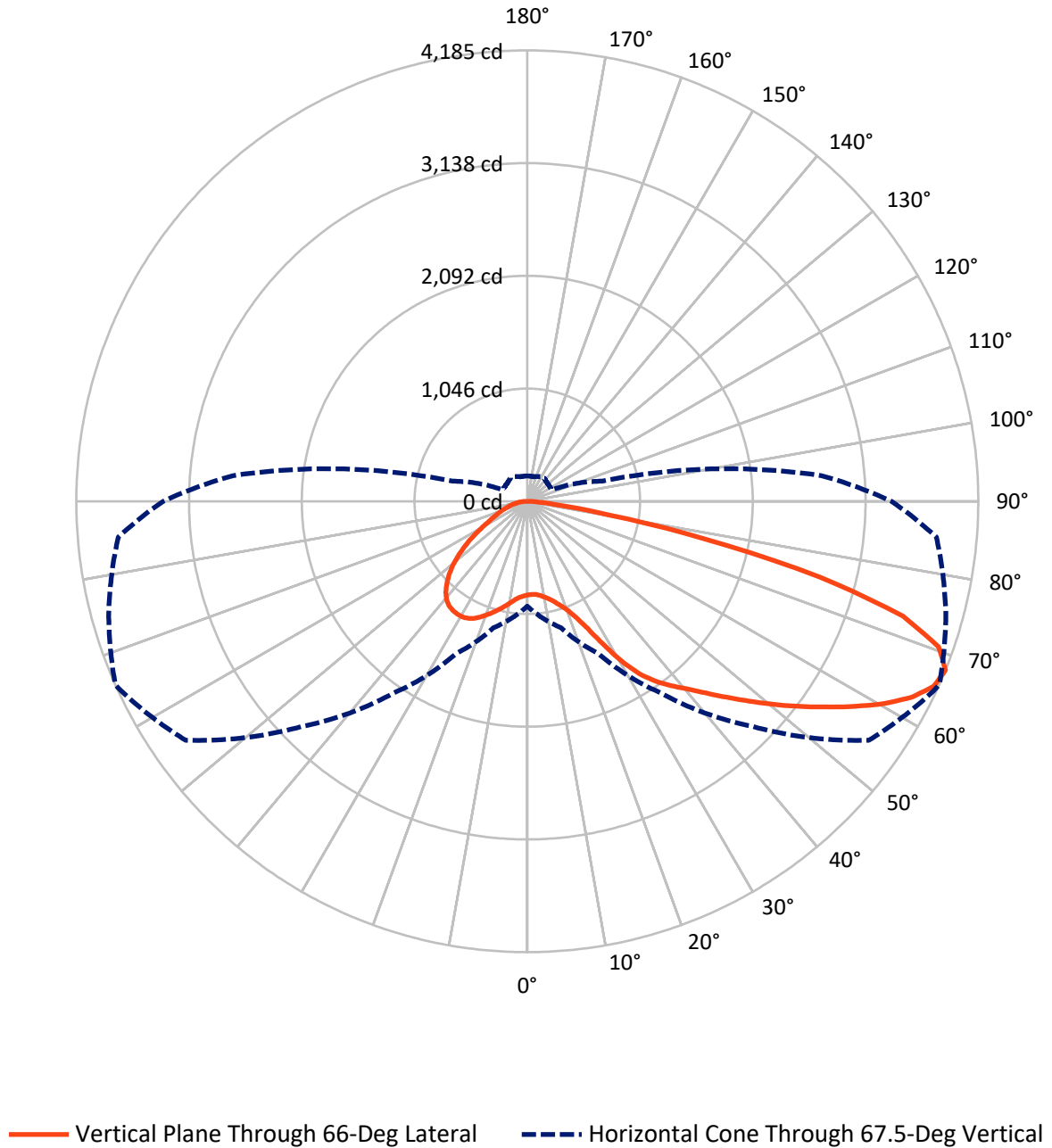
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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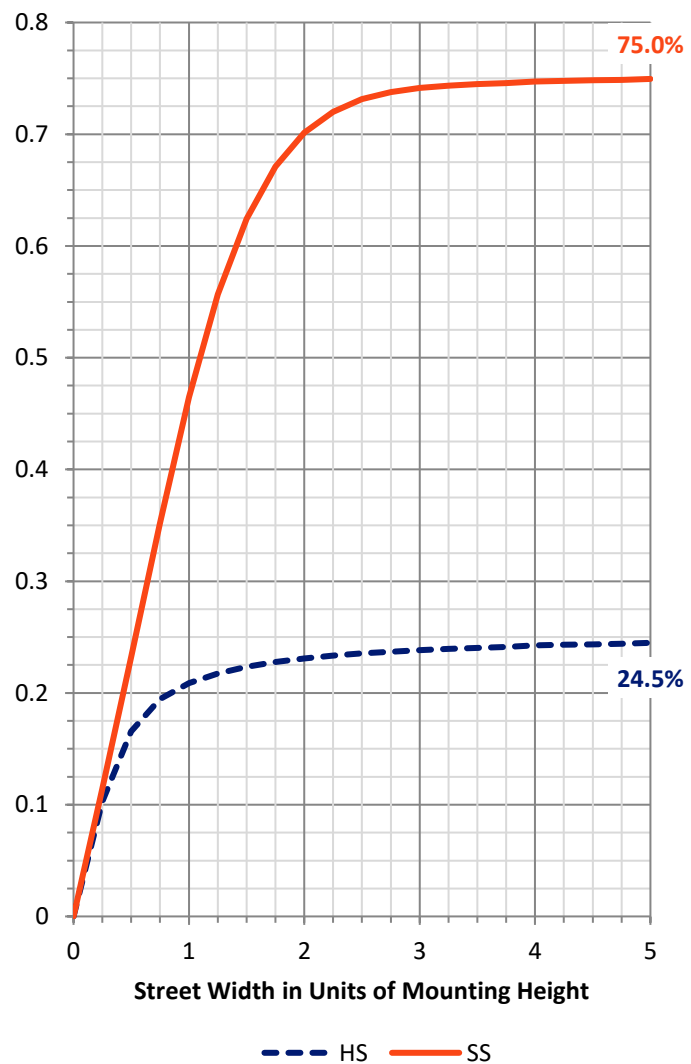
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1949.1	0.0	1949.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	5889.9	0.0	5889.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	7839.0	0.0	7839.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.2	1.1
10°-20°	284.8	3.6
20°-30°	548.9	7.0
30°-40°	962.5	12.3
40°-50°	1430.9	18.3
50°-60°	1813.8	23.1
60°-70°	1774.8	22.6
70°-80°	846.6	10.8
80°-90°	90.5	1.2
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°	7839.0	100.0
0°-180°	7839.0	100.0

**Coefficient of Utilization**



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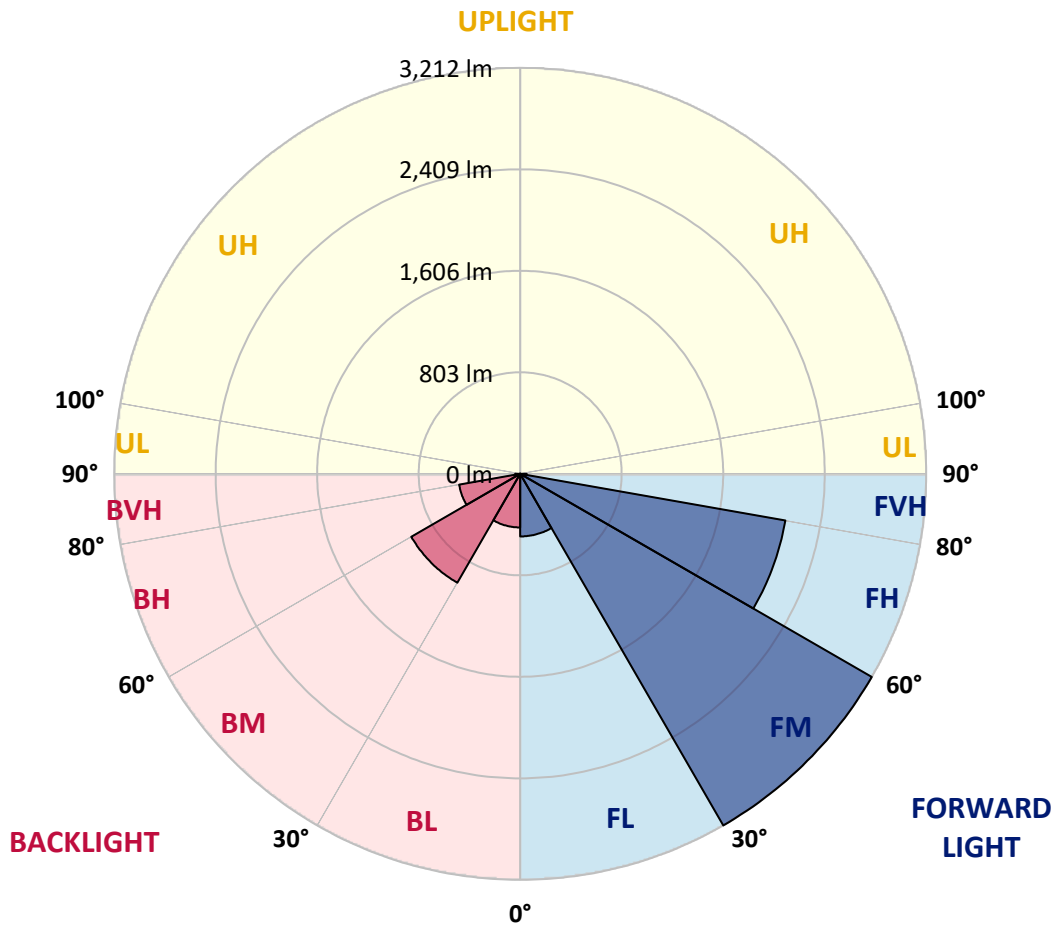
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	495.3	6.3			
FM (30°-60°)	3212.4	41.0			
FH (60°-80°)	2130.9	27.2			G2/5000
FVH (80°-90°)	51.3	0.7			G1/100
BL (0°-30°)	424.6	5.4	B1/500		
BM (30°-60°)	994.9	12.7	B1/1000		
BH (60°-80°)	490.5	6.3	B1/500		G1/500
BVH (80°-90°)	39.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	869.4	869.4	869.4	869.4	869.4	869.4	869.4	869.4	869.4	869.4
2.5°	860.4	865.3	864.1	862.0	861.6	862.4	863.7	864.9	864.5	866.6
5°	857.9	862.9	862.4	862.4	864.1	867.4	869.4	871.5	869.4	871.9
7.5°	859.6	863.3	864.9	866.6	870.7	876.9	881.8	886.3	883.9	886.7
10°	880.6	883.5	885.1	885.1	888.0	895.0	899.9	908.2	906.1	910.6
12.5°	918.9	921.8	921.8	920.1	922.2	926.7	928.3	937.4	933.7	941.1
15°	965.8	971.6	967.1	964.2	965.0	969.5	969.1	976.1	972.4	978.6
17.5°	1017.7	1025.1	1017.7	1017.3	1015.7	1020.6	1021.0	1027.2	1020.6	1025.1
20°	1079.1	1089.4	1083.2	1085.3	1081.6	1083.6	1085.7	1094.7	1084.4	1087.7
22.5°	1165.6	1177.9	1171.3	1179.2	1176.7	1175.1	1174.6	1190.7	1174.6	1175.9
25°	1291.6	1306.4	1294.9	1305.6	1305.6	1311.0	1317.1	1337.7	1311.0	1303.1
27.5°	1477.8	1492.6	1469.9	1476.5	1474.5	1487.7	1481.1	1532.1	1503.3	1490.5
30°	1701.8	1728.2	1685.4	1683.7	1681.6	1702.7	1712.1	1745.9	1716.7	1703.9
32.5°	1944.0	1971.6	1920.5	1905.7	1897.9	1910.6	1902.8	1930.0	1909.8	1890.1
35°	2200.2	2227.4	2178.8	2149.9	2118.6	2091.9	2063.9	2070.9	2051.9	2021.8
37.5°	2442.4	2492.2	2440.7	2409.8	2352.2	2299.9	2221.6	2189.1	2171.4	2143.8
40°	2689.1	2717.5	2678.4	2652.0	2589.4	2507.4	2382.2	2313.5	2289.6	2262.8
42.5°	2870.7	2897.9	2876.9	2858.8	2809.7	2714.6	2552.7	2466.7	2432.1	2402.0
45°	3014.9	3035.0	3021.9	3028.4	3007.4	2915.2	2729.4	2631.0	2595.2	2558.5
47.5°	3072.9	3094.3	3115.4	3154.5	3190.3	3122.4	2919.3	2808.9	2771.0	2733.6
50°	3066.3	3088.2	3149.1	3232.3	3343.5	3320.9	3119.5	2998.4	2963.4	2920.5
52.5°	3013.6	3038.3	3116.6	3255.0	3432.1	3469.6	3323.3	3194.0	3161.1	3110.0
55°	2875.2	2890.1	3007.4	3203.5	3453.1	3573.3	3523.1	3402.4	3369.5	3298.2
57.5°	2618.6	2640.1	2811.0	3064.7	3400.4	3643.8	3698.6	3621.5	3589.8	3487.3
60°	2283.8	2318.0	2513.6	2831.6	3266.1	3643.4	3857.9	3836.9	3810.6	3673.4
62.5°	1904.9	1944.4	2132.6	2502.1	3031.3	3540.0	3957.6	4017.3	4003.7	3845.2
65°	1462.9	1490.1	1677.5	2075.8	2666.0	3318.0	3969.2	4140.5	4143.0	3975.7
67.5°	974.1	1052.3	1215.0	1557.7	2176.7	2955.1	3867.8	4160.7	4184.6	4020.6
70°	475.3	578.3	737.7	1012.4	1557.7	2398.7	3603.0	3995.1	4048.2	3889.7
72.5°	197.3	230.6	317.5	499.6	894.2	1618.6	3070.9	3546.2	3644.6	3446.5
75°	133.0	144.2	181.6	256.2	407.3	798.2	2214.6	2644.2	2802.7	2603.0
77.5°	102.6	109.6	132.2	179.2	242.2	301.9	1185.3	1593.5	1675.5	1551.1
80°	80.7	86.1	98.8	130.6	171.7	161.5	404.0	722.0	769.4	645.4
82.5°	70.0	72.1	70.8	88.6	114.1	94.3	132.6	266.5	294.1	213.3
85°	50.7	56.4	58.9	54.8	60.5	47.8	54.4	94.3	103.8	92.7
87.5°	20.6	30.5	37.5	35.4	22.2	13.6	16.9	27.6	31.7	34.6
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°
869.4	0°	869.4	869.4	869.4	869.4	869.4	869.4	869.4	869.4	869.4	869.4
869.9	2.5°	870.3	873.2	875.2	877.7	879.3	881.8	886.7	889.6	890.0	892.1
876.5	5°	878.1	882.2	886.7	893.3	900.8	906.9	916.4	923.0	925.5	927.5
892.5	7.5°	895.0	900.8	909.0	920.5	931.2	939.5	951.0	958.8	966.6	969.5
918.0	10°	920.1	928.3	940.3	955.9	967.5	978.2	990.1	996.7	1004.5	1007.8
948.5	12.5°	951.4	960.1	975.7	997.5	1008.2	1015.7	1019.8	1018.1	1019.8	1022.7
985.2	15°	987.2	996.7	1014.4	1037.9	1045.3	1038.7	1029.7	1021.4	1020.2	1021.0
1029.7	17.5°	1029.7	1036.7	1057.3	1077.0	1071.7	1044.5	1024.7	1011.5	1005.0	1002.9
1086.5	20°	1089.0	1089.0	1105.9	1118.2	1082.4	1036.3	1005.4	983.9	970.4	964.6
1163.9	22.5°	1161.0	1154.5	1165.2	1156.5	1080.3	1013.2	970.4	933.3	912.7	904.5
1272.3	25°	1252.5	1244.7	1241.8	1188.2	1065.5	976.5	906.9	862.0	843.9	839.4
1428.4	27.5°	1390.5	1370.7	1333.2	1205.5	1038.3	918.9	832.8	791.2	780.9	781.3
1628.9	30°	1574.2	1534.6	1442.8	1208.4	993.8	837.3	757.0	727.4	722.4	724.5
1797.4	32.5°	1744.3	1706.8	1554.8	1195.2	925.5	757.4	689.1	669.3	661.9	664.3
1925.9	35°	1877.7	1867.4	1658.6	1176.7	841.4	682.5	628.1	611.2	596.8	593.5
2047.0	37.5°	2003.7	1999.6	1736.4	1150.8	758.2	629.3	579.1	556.8	535.8	524.3
2180.8	40°	2142.1	2138.0	1787.5	1110.8	684.5	583.2	535.0	505.8	479.8	458.8
2332.4	42.5°	2297.8	2273.5	1811.8	1053.6	621.9	544.1	499.2	459.6	425.5	406.1
2503.7	45°	2467.9	2413.1	1811.4	980.7	569.2	508.2	460.9	404.9	373.2	355.0
2679.6	47.5°	2648.3	2546.6	1789.1	899.9	518.1	468.7	401.6	358.7	337.7	326.6
2870.7	50°	2834.5	2671.4	1751.3	807.3	465.8	423.8	364.5	335.3	319.2	308.9
3060.2	52.5°	3009.5	2784.6	1705.5	702.2	412.7	380.2	348.0	325.4	308.5	297.0
3243.9	55°	3172.2	2882.2	1640.9	594.7	369.4	350.9	340.2	321.3	301.9	288.3
3430.4	57.5°	3316.8	2945.7	1529.3	493.8	338.6	330.7	332.0	314.3	292.0	280.5
3614.1	60°	3437.0	2992.2	1364.1	400.3	313.4	311.0	319.2	301.1	275.1	261.9
3769.4	62.5°	3509.1	2991.4	1161.5	327.8	292.0	292.8	302.3	284.6	258.2	245.9
3850.5	65°	3502.9	2918.1	939.1	280.5	271.4	272.2	284.6	266.5	244.2	236.8
3809.8	67.5°	3378.9	2739.3	720.4	249.6	248.8	252.5	266.9	254.1	235.6	234.8
3566.8	70°	3043.3	2368.2	519.0	224.9	225.3	230.6	249.6	246.3	231.1	232.7
2998.8	72.5°	2440.3	1805.6	348.4	198.9	199.3	208.0	233.1	240.1	226.5	248.4
2127.7	75°	1625.2	1126.0	224.1	171.3	171.7	182.9	218.7	228.2	214.2	247.5
1107.1	77.5°	780.9	506.2	162.3	144.2	144.2	154.4	189.0	204.3	182.5	192.3
355.9	80°	269.8	190.3	127.7	116.1	113.7	120.7	159.4	177.1	157.3	145.0
116.1	82.5°	106.3	98.8	102.6	90.2	82.0	86.5	124.0	146.2	115.7	104.6
65.5	85°	61.0	64.3	72.5	59.7	47.4	53.1	91.0	105.0	87.3	77.0
21.4	87.5°	16.5	22.7	33.4	30.9	21.4	22.7	43.2	58.1	50.2	38.7
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>
869.4
891.7
927.1
969.9
1009.5
1023.5
1023.9
1005.8
963.4
903.2
840.2
782.5
731.5
667.6
596.0
524.7
460.9
407.3
354.2
324.1
305.2
292.0
283.0
273.1
256.2
242.2
236.4
236.0
232.3
251.7
249.6
176.3
135.9
104.2
78.7
40.0
0.0

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