

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: P940272

Luminaire Tested: **GALN-SB3B-735-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16748 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

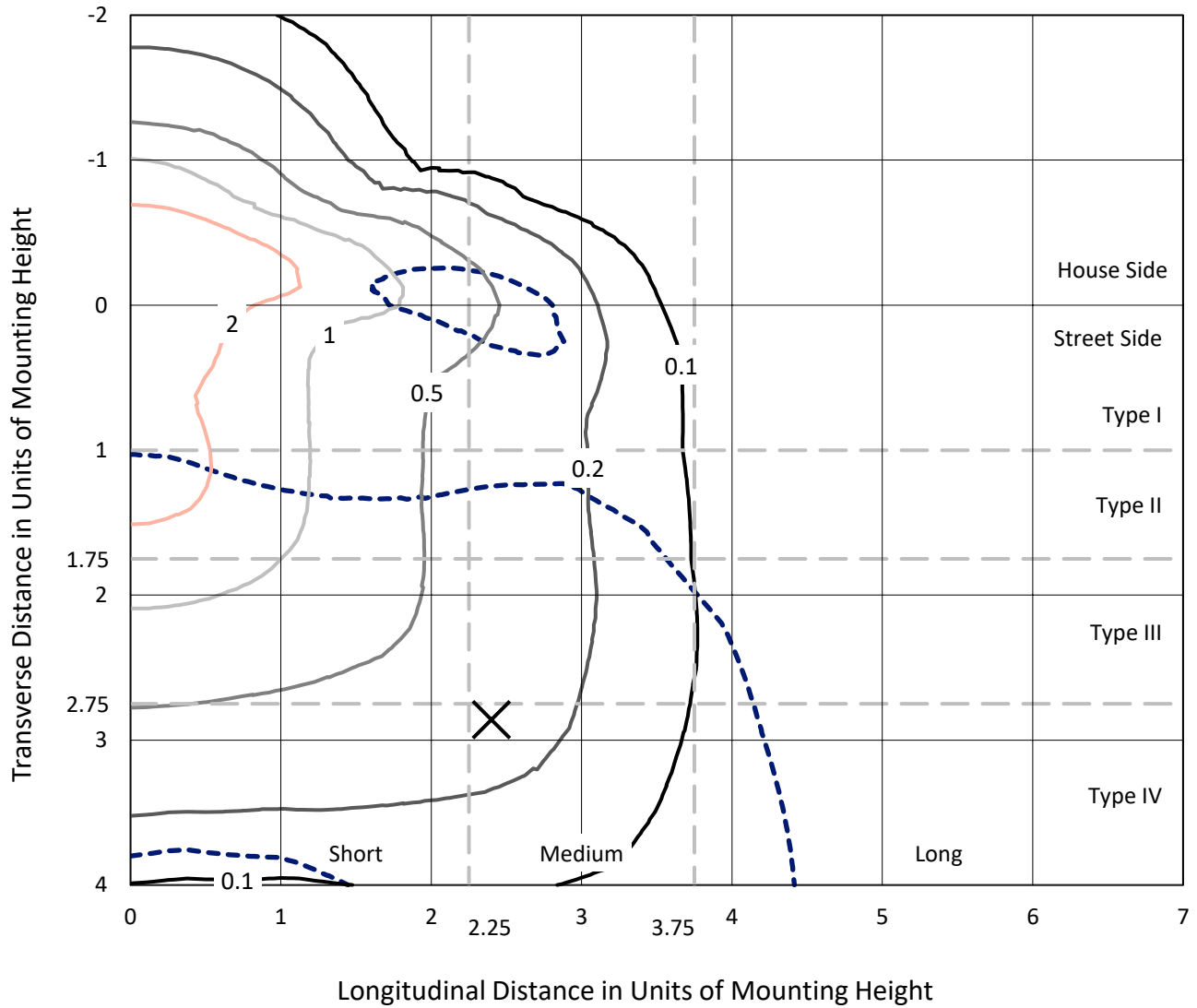
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

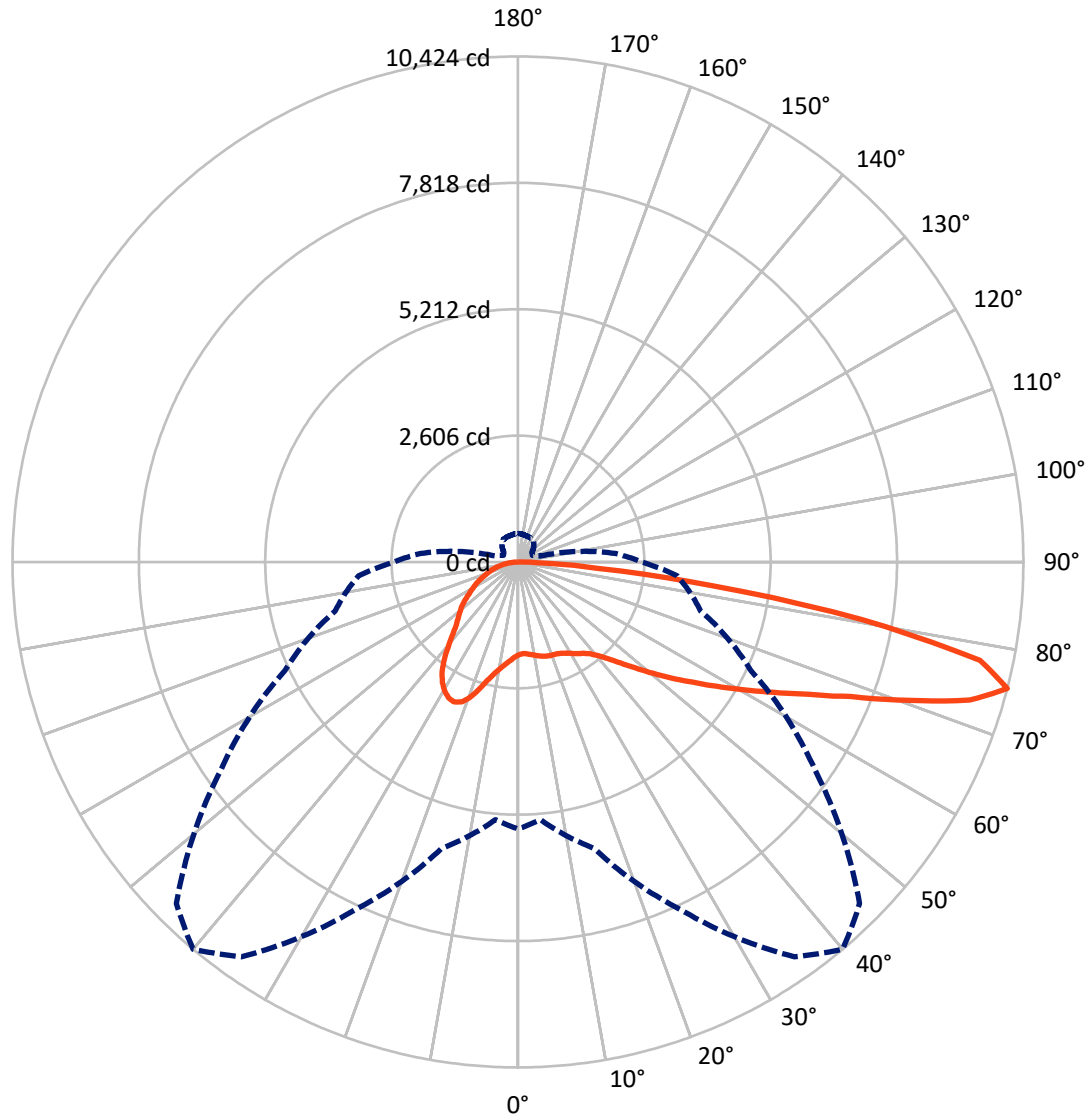
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5189.1	0.0	5189.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	11558.9	0.0	11558.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	16748.0	0.0	16748.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	1.1
10°-20°	641.8	3.8
20°-30°	1172.0	7.0
30°-40°	1662.1	9.9
40°-50°	2244.4	13.4
50°-60°	3019.3	18.0
60°-70°	3832.2	22.9
70°-80°	3478.0	20.8
80°-90°	507.0	3.0
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°	16748.0	100.0
0°-180°	16748.0	100.0



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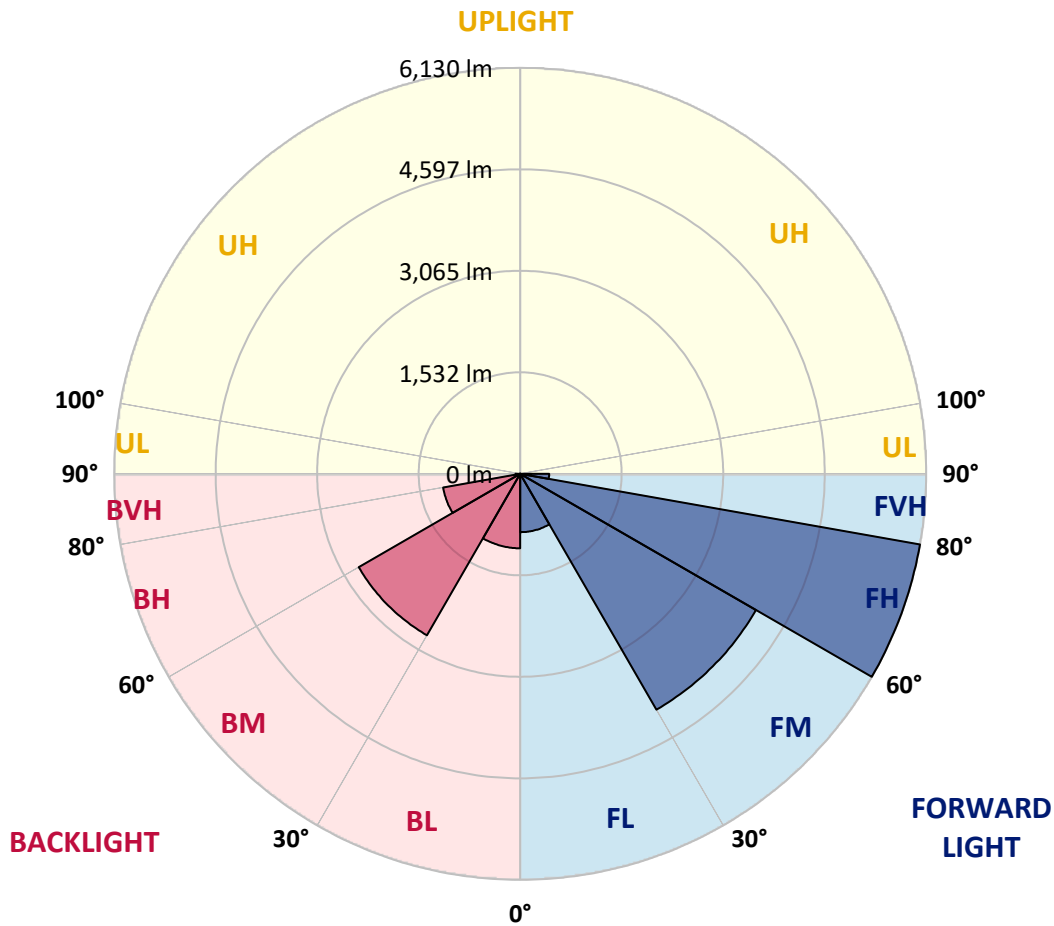
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	881.0	5.3			
FM (30°-60°)	4111.3	24.5			
FH (60°-80°)	6129.5	36.6			G3/7500
FVH (80°-90°)	437.2	2.6			G3/500
BL (0°-30°)	1124.0	6.7	B3/2500		
BM (30°-60°)	2814.6	16.8	B3/5000		
BH (60°-80°)	1180.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	69.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2
2.5°	1885.8	1896.5	1893.8	1890.3	1890.3	1891.2	1890.3	1896.5	1902.7	1908.9
5°	1905.4	1916.0	1910.7	1906.3	1902.7	1901.8	1899.2	1898.3	1901.8	1909.8
7.5°	1943.6	1954.2	1946.2	1938.3	1931.1	1927.6	1924.0	1918.7	1916.0	1920.5
10°	1986.2	1996.9	1987.1	1972.9	1961.3	1956.9	1953.4	1948.0	1944.5	1947.1
12.5°	2028.9	2039.5	2026.2	2006.7	1991.5	1988.9	1984.4	1982.7	1981.8	1980.9
15°	2068.8	2077.7	2060.8	2037.7	2021.8	2017.3	2012.9	2015.5	2020.0	2025.3
17.5°	2099.9	2108.8	2083.9	2053.7	2038.6	2036.9	2034.2	2043.1	2055.5	2068.8
20°	2128.3	2137.2	2105.3	2064.4	2046.6	2046.6	2047.5	2066.2	2083.9	2103.5
22.5°	2168.3	2175.4	2136.3	2080.4	2054.6	2056.4	2063.5	2082.2	2104.4	2131.0
25°	2227.8	2233.2	2185.2	2110.6	2081.3	2086.6	2092.8	2101.7	2123.0	2154.1
27.5°	2323.8	2328.2	2265.1	2163.9	2119.5	2128.3	2137.2	2131.0	2140.8	2167.4
30°	2458.8	2461.5	2381.5	2247.4	2184.3	2188.7	2190.5	2164.8	2146.1	2167.4
32.5°	2618.7	2617.8	2522.7	2348.6	2258.0	2253.6	2238.5	2187.9	2144.3	2163.0
35°	2866.5	2856.7	2734.2	2490.8	2341.5	2314.0	2278.5	2213.6	2153.2	2158.5
37.5°	3276.9	3246.7	3077.0	2723.5	2465.9	2395.7	2343.3	2255.4	2172.8	2156.8
40°	3739.7	3701.5	3515.0	3042.4	2652.4	2539.6	2455.2	2314.9	2204.7	2164.8
42.5°	4288.7	4234.5	4033.7	3418.1	2888.7	2725.3	2598.3	2390.4	2251.8	2190.5
45°	4962.9	4890.9	4606.7	3841.9	3186.3	2968.7	2799.0	2505.0	2323.8	2240.3
47.5°	5644.2	5662.0	5257.8	4326.9	3543.4	3268.9	3050.4	2677.3	2428.6	2320.2
50°	6368.2	6380.6	5905.4	4864.3	3948.5	3608.2	3332.9	2870.1	2574.3	2433.9
52.5°	6933.1	6934.9	6493.4	5426.6	4370.4	3981.3	3637.6	3090.4	2743.0	2584.9
55°	7286.7	7282.2	6905.6	5958.7	4855.4	4373.1	3975.1	3340.9	2949.1	2762.6
57.5°	7543.4	7530.0	7189.8	6416.1	5372.4	4835.9	4357.1	3625.1	3192.5	2974.0
60°	7641.1	7633.1	7382.6	6811.4	5916.0	5347.5	4797.7	3943.1	3468.8	3223.6
62.5°	7678.4	7693.5	7571.8	7194.3	6497.9	5914.2	5281.8	4323.3	3779.7	3506.1
65°	7809.9	7837.4	7812.5	7695.3	7155.2	6577.8	5924.0	4775.5	4119.0	3809.0
67.5°	8070.1	8097.7	8108.3	8294.9	7958.2	7404.8	6725.3	5338.6	4516.1	4123.4
70°	8063.9	8055.9	8244.2	8771.9	8963.7	8549.8	7805.4	6031.5	4989.5	4384.6
72.5°	7340.0	7276.0	7721.0	8766.5	9800.5	9745.4	9124.5	6925.1	5398.1	4416.6
75°	5506.5	5336.0	6122.1	7900.5	9940.0	10424.1	9963.1	7479.4	5301.3	3902.3
77.5°	2354.9	2183.4	3109.9	5848.5	8896.2	9744.6	9193.8	6525.4	4231.8	2580.5
80°	616.5	615.6	939.8	2651.5	6050.2	7196.0	6313.1	4214.1	2417.9	922.0
82.5°	254.9	248.7	345.5	1031.3	2956.2	4038.2	3295.6	1879.6	873.2	249.6
85°	95.0	94.2	167.9	356.2	1042.9	1665.5	1205.4	480.6	217.6	121.7
87.5°	26.6	25.8	36.4	123.5	254.1	385.5	206.1	79.1	61.3	48.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1915.2	0°	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2
1918.7	2.5°	1921.4	1925.8	1933.8	1940.0	1948.0	1956.9	1969.3	1977.3	1985.3	1990.7
1923.2	5°	1929.4	1939.1	1959.6	1980.0	2004.0	2026.2	2052.0	2070.6	2085.7	2090.1
1939.1	7.5°	1947.1	1963.1	1997.8	2032.4	2070.6	2107.0	2144.3	2176.3	2202.1	2211.8
1967.6	10°	1978.2	1999.5	2048.4	2097.3	2147.9	2203.9	2251.8	2298.0	2334.4	2349.5
2001.3	12.5°	2017.3	2044.0	2107.9	2175.4	2245.6	2322.9	2385.1	2441.9	2487.2	2507.6
2048.4	15°	2067.9	2102.6	2184.3	2274.9	2378.0	2485.4	2564.5	2627.6	2678.2	2703.1
2097.3	17.5°	2123.0	2169.2	2272.2	2409.0	2556.5	2697.7	2790.1	2836.3	2888.7	2912.7
2142.6	20°	2176.3	2233.2	2380.6	2579.6	2775.9	2926.0	3000.6	3013.1	3016.6	3019.3
2185.2	22.5°	2231.4	2307.8	2516.5	2794.6	3005.1	3109.0	3119.7	3066.4	2991.8	2957.1
2226.9	25°	2291.8	2393.1	2694.2	3031.7	3202.3	3214.7	3133.0	3003.3	2862.1	2797.2
2260.7	27.5°	2350.4	2491.7	2907.4	3258.3	3344.4	3235.2	3059.3	2875.4	2704.8	2636.4
2284.7	30°	2409.0	2604.5	3142.8	3456.3	3409.3	3184.5	2942.9	2737.7	2566.3	2494.3
2306.0	32.5°	2468.6	2735.9	3413.7	3599.4	3397.7	3077.0	2798.1	2583.2	2432.1	2356.6
2324.7	35°	2536.1	2897.6	3670.4	3677.5	3320.4	2918.9	2607.1	2398.4	2266.9	2206.5
2346.9	37.5°	2624.0	3102.8	3896.9	3697.1	3185.4	2687.1	2370.0	2179.9	2071.5	2044.0
2379.7	40°	2733.3	3349.7	4070.2	3666.0	2985.5	2405.5	2110.6	1958.7	1897.4	1903.6
2424.1	42.5°	2875.4	3626.0	4191.8	3586.0	2707.5	2115.0	1883.2	1815.7	1845.0	1869.9
2490.8	45°	3060.2	3912.9	4267.4	3450.1	2393.1	1869.0	1749.0	1765.0	1787.2	1789.9
2598.3	47.5°	3296.4	4203.4	4317.1	3244.9	2072.4	1695.7	1663.8	1667.3	1662.9	1644.2
2759.0	50°	3591.4	4485.9	4361.5	2973.1	1799.7	1587.4	1544.7	1532.3	1471.0	1410.6
2973.1	52.5°	3927.1	4745.3	4380.2	2635.6	1587.4	1496.8	1427.5	1349.3	1234.7	1216.1
3242.3	55°	4300.2	4985.1	4332.2	2220.7	1408.8	1380.4	1275.6	1181.4	1169.0	1153.0
3596.7	57.5°	4746.1	5243.6	4234.5	1757.9	1225.8	1244.5	1142.3	1153.0	1130.8	1105.9
4052.4	60°	5233.8	5511.0	4063.0	1336.0	1036.6	1074.8	1107.7	1106.8	1100.6	1080.2
4533.0	62.5°	5672.6	5686.8	3725.5	1023.3	870.5	943.4	1033.1	1032.2	1026.9	1015.3
5034.8	65°	5933.8	5660.2	3162.3	805.7	733.7	835.0	931.8	938.9	939.8	938.9
5412.4	67.5°	5887.6	5348.4	2389.5	641.3	620.9	724.8	831.4	841.2	848.3	850.1
5460.3	70°	5365.3	4663.5	1558.1	511.7	520.5	628.0	736.4	746.2	752.4	759.5
4738.1	72.5°	4182.1	3428.8	891.8	413.9	432.6	544.5	642.2	653.8	657.3	670.7
3297.3	75°	2548.5	2016.4	481.5	326.0	355.3	465.5	549.0	562.3	568.5	584.5
1619.4	77.5°	1211.6	873.2	274.5	254.1	286.0	380.2	463.7	478.8	461.9	470.8
446.8	80°	409.5	324.2	173.2	193.6	218.5	296.7	371.3	386.4	350.9	349.1
148.3	82.5°	143.0	131.5	110.1	128.8	141.2	212.3	280.7	300.2	261.2	260.3
66.6	85°	56.0	53.3	61.3	70.2	84.4	130.6	184.8	194.5	160.8	129.7
19.5	87.5°	11.5	12.4	15.1	16.0	25.8	45.3	66.6	81.7	64.8	55.1
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>
1915.2
1987.1
2091.9
2212.7
2350.4
2507.6
2701.3
2911.8
3026.4
2966.9
2807.0
2644.4
2502.3
2366.4
2219.8
2063.5
1924.9
1892.9
1807.7
1658.4
1418.6
1222.3
1155.7
1101.5
1073.1
1010.9
938.9
851.9
763.0
676.0
586.3
463.7
345.5
247.8
127.9
50.6
0.0

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