

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: P942268

Luminaire Tested: **GALN-SB6A-940-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-940-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14924 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

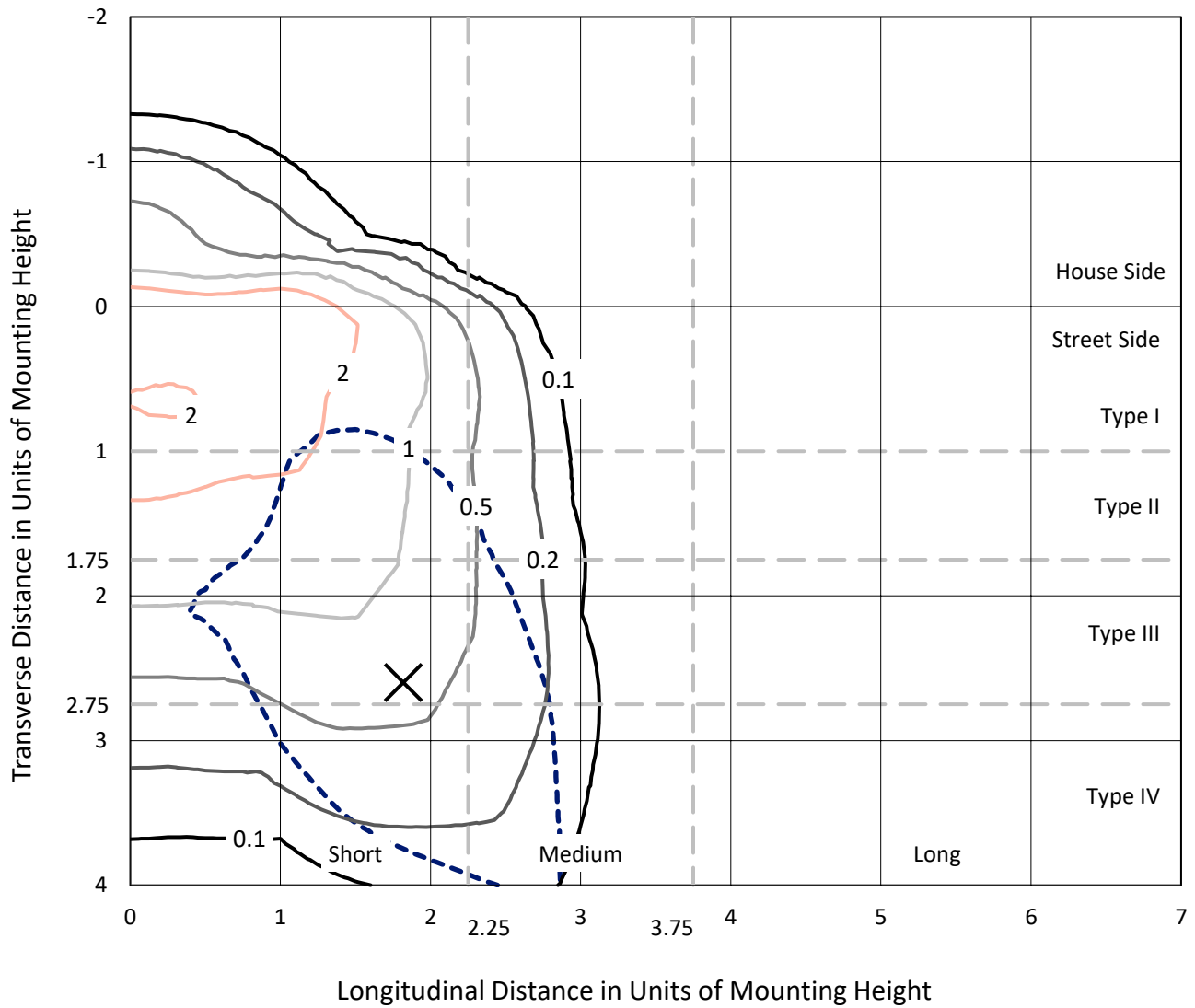
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942268
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Iso-Footcandle Lines of Horizontal Illumination

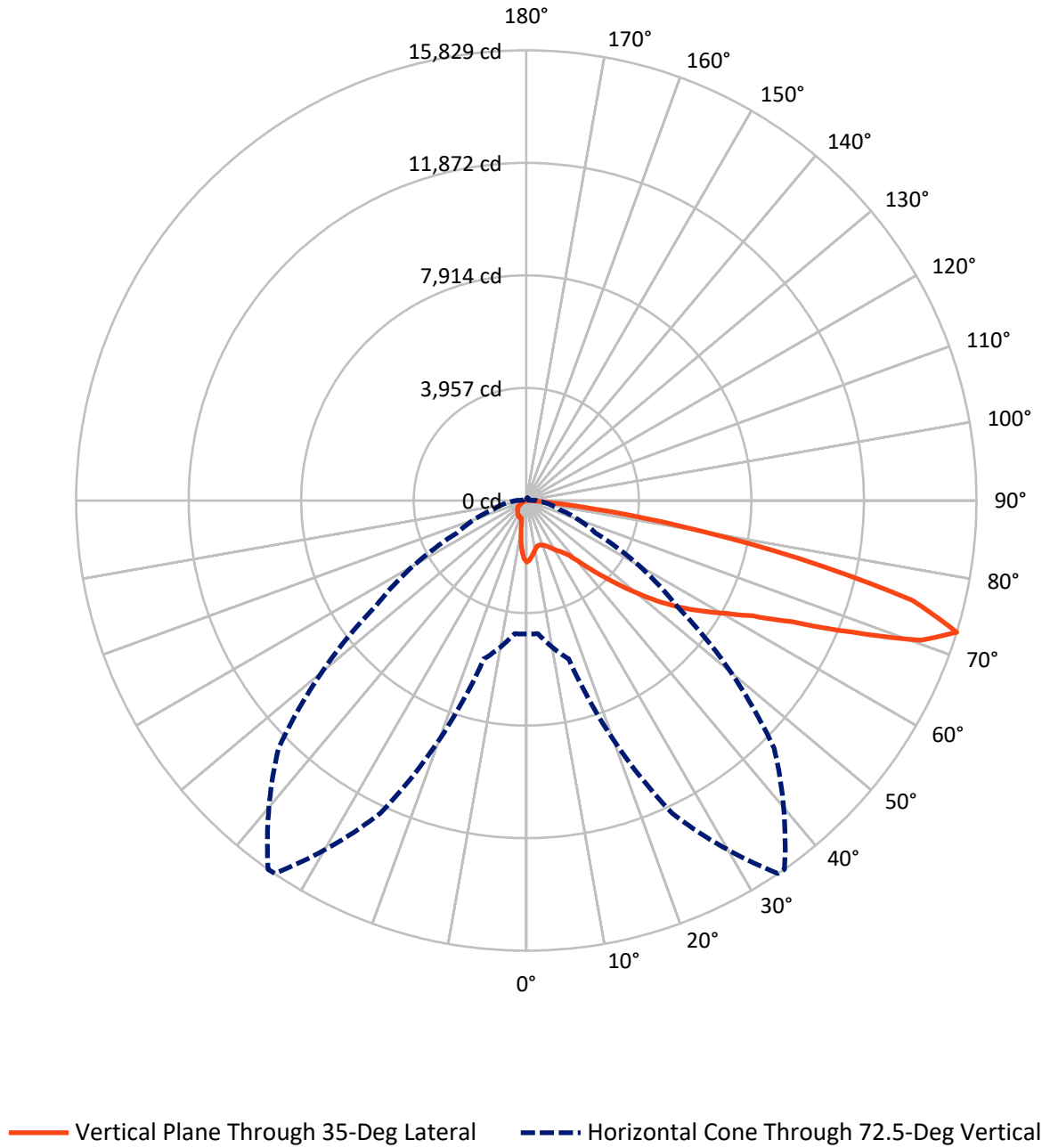
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P942268
CATALOG NUMBER: GALN-SB6A-940-U-T4FT-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1679.6	0.0	1679.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	13244.4	0.0	13244.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	14924.0	0.0	14924.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.7	1.2
10°-20°	415.8	2.8
20°-30°	675.5	4.5
30°-40°	1127.0	7.6
40°-50°	2132.3	14.3
50°-60°	3388.2	22.7
60°-70°	4191.5	28.1
70°-80°	2605.4	17.5
80°-90°	210.6	1.4
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°	14924.0	100.0
0°-180°	14924.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942268

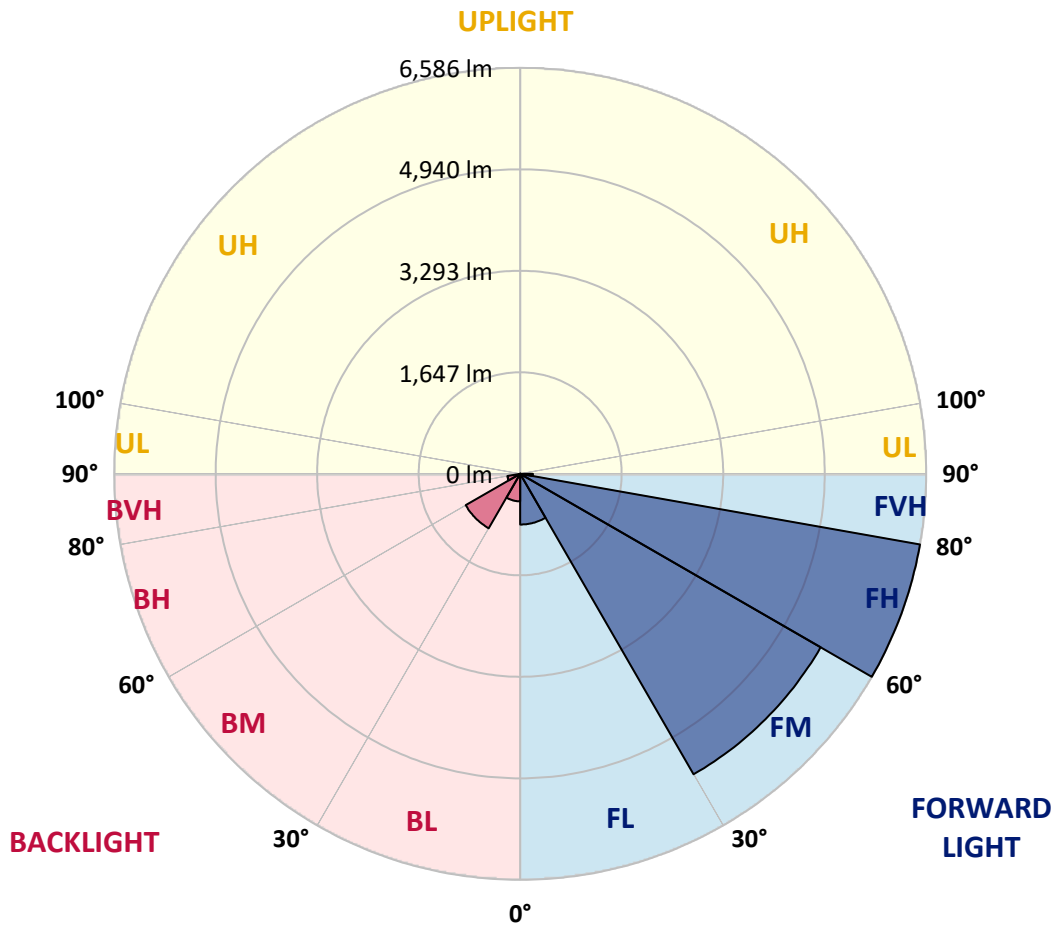
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	822.7	5.5			
FM (30°-60°)	5627.8	37.7			
FH (60°-80°)	6586.1	44.1			G3/7500
FVH (80°-90°)	207.7	1.4			G2/225
BL (0°-30°)	446.3	3.0	B1/500		
BM (30°-60°)	1019.7	6.8	B2/2500		
BH (60°-80°)	210.8	1.4	B1/500		G1/500
BVH (80°-90°)	2.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



REPORT NUMBER: P942268
 CATALOG NUMBER: GALN-SB6A-940-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2163.0	2163.0	2163.0	2163.0	2163.0	2163.0	2163.0	2163.0	2163.0	2163.0
2.5°	2066.8	2084.3	2087.5	2093.0	2093.0	2099.6	2110.5	2125.8	2151.0	2164.1
5°	1904.9	1918.0	1934.4	1947.6	1972.7	1976.0	2018.6	2060.2	2118.2	2161.9
7.5°	1742.0	1757.3	1779.2	1810.9	1843.7	1853.5	1918.0	1988.0	2079.9	2161.9
10°	1627.2	1628.3	1647.9	1679.7	1732.1	1744.2	1822.9	1922.4	2037.2	2148.8
12.5°	1562.6	1570.3	1579.0	1603.1	1653.4	1661.1	1745.3	1862.3	1994.6	2141.1
15°	1562.6	1568.1	1573.6	1585.6	1626.1	1632.6	1707.0	1824.0	1972.7	2144.4
17.5°	1579.0	1587.8	1583.4	1597.6	1640.3	1644.7	1710.3	1813.1	1971.6	2165.2
20°	1618.4	1625.0	1616.2	1625.0	1667.6	1676.4	1744.2	1833.8	1990.2	2201.3
22.5°	1680.7	1684.0	1663.2	1669.8	1713.6	1724.5	1803.2	1892.9	2035.0	2259.2
25°	1759.5	1766.0	1734.3	1742.0	1783.5	1796.7	1887.4	1981.5	2106.1	2339.0
27.5°	1850.2	1853.5	1826.2	1825.1	1878.7	1897.3	1989.1	2090.8	2201.3	2439.6
30°	1954.1	1964.0	1937.7	1933.3	2001.1	2016.5	2107.2	2225.3	2341.2	2590.6
32.5°	2036.1	2043.8	2028.5	2039.4	2108.3	2120.3	2250.5	2415.6	2561.0	2804.9
35°	2154.2	2158.6	2123.6	2143.3	2222.0	2252.7	2446.2	2682.4	2837.7	3073.9
37.5°	2581.8	2581.8	2433.1	2335.8	2411.2	2438.6	2714.1	3018.1	3178.9	3434.8
40°	3173.4	3163.6	2946.0	2746.9	2737.1	2790.7	3095.8	3441.3	3619.6	3867.8
42.5°	3804.4	3789.1	3492.7	3295.9	3263.1	3281.7	3536.5	3962.9	4144.5	4396.0
45°	4364.2	4359.9	4088.7	3824.0	3765.0	3824.0	4086.5	4573.1	4703.2	4967.9
47.5°	4833.4	4833.4	4635.4	4462.7	4432.0	4467.0	4831.2	5250.0	5238.0	5577.0
50°	5373.6	5369.2	5181.1	5106.8	5138.5	5187.7	5688.5	5963.0	5791.3	6175.1
52.5°	5751.9	5778.2	5713.7	5701.6	5863.5	5948.8	6558.9	6660.6	6286.7	6742.7
55°	6051.6	6082.2	6156.5	6240.7	6552.4	6663.9	7402.1	7322.2	6701.1	7234.7
57.5°	6475.8	6432.1	6546.9	6713.1	7217.3	7351.8	8218.9	7946.6	7034.6	7633.9
60°	6990.9	6997.5	7017.1	7227.1	7881.0	8053.8	9023.7	8537.1	7249.0	7878.8
62.5°	7609.8	7619.7	7660.1	7982.7	8772.2	8935.2	9881.1	9020.5	7347.4	7809.9
65°	7567.2	7608.7	8060.4	9163.7	10127.1	10287.9	10881.6	9359.5	7198.7	7180.1
67.5°	6893.6	6961.4	7717.0	10574.4	12169.8	12349.2	12091.1	9426.2	6556.8	5583.5
70°	6010.0	6034.1	6942.8	11842.9	14535.1	14716.6	13173.7	8692.4	4975.5	3114.4
72.5°	4693.4	4698.9	5765.1	12137.0	15818.9	15828.7	12324.0	6452.9	2675.9	1196.3
75°	3352.7	3319.9	3861.2	9842.8	13917.3	14028.8	9239.2	3026.9	1022.4	565.4
77.5°	1797.8	1833.8	2184.9	5837.2	9614.3	9804.5	5041.1	872.6	520.5	384.9
80°	555.5	586.1	895.6	2672.6	5445.7	5560.6	1868.8	388.2	363.0	274.5
82.5°	175.0	181.5	417.7	1123.0	2260.3	2312.8	541.3	219.8	248.2	181.5
85°	50.3	51.4	185.9	418.8	558.8	569.7	152.0	85.3	142.2	112.6
87.5°	5.5	17.5	70.0	70.0	49.2	48.1	16.4	18.6	40.5	14.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942268
 CATALOG NUMBER: GALN-SB6A-940-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2163.0	0°	2163.0	2163.0	2163.0	2163.0	2163.0	2163.0	2163.0	2163.0	2163.0	2163.0
2172.8	2.5°	2167.4	2168.5	2154.2	2130.2	2103.9	2082.1	2054.7	2032.9	2017.5	2013.2
2192.5	5°	2182.7	2175.0	2134.6	2061.3	1973.8	1898.4	1814.2	1747.4	1703.7	1685.1
2213.3	7.5°	2205.6	2183.8	2095.2	1950.8	1783.5	1634.8	1483.9	1366.9	1292.5	1255.4
2233.0	10°	2225.3	2181.6	2029.6	1791.2	1535.3	1310.0	1106.6	965.6	886.8	849.7
2255.9	12.5°	2243.9	2180.5	1944.3	1602.0	1255.4	979.8	790.6	720.6	698.8	691.1
2293.1	15°	2278.9	2183.8	1837.1	1385.5	976.5	740.3	671.4	670.3	674.7	672.5
2350.0	17.5°	2327.0	2187.0	1715.7	1155.9	753.4	652.8	649.6	659.4	666.0	662.7
2421.1	20°	2389.3	2200.2	1586.7	928.4	647.4	631.0	638.6	647.4	652.8	647.4
2516.2	22.5°	2476.8	2223.1	1445.6	745.8	613.5	617.8	624.4	634.2	639.7	632.1
2637.6	25°	2584.0	2259.2	1306.8	648.5	597.1	602.5	612.4	623.3	629.9	622.2
2790.7	27.5°	2722.9	2317.2	1178.8	626.6	580.7	583.9	598.2	614.6	623.3	613.5
3008.3	30°	2924.1	2412.3	1068.4	636.4	570.8	563.2	582.8	605.8	615.7	606.9
3304.6	32.5°	3190.9	2546.8	1000.6	651.7	566.4	539.1	557.7	587.2	603.6	598.2
3691.7	35°	3540.8	2751.3	974.3	669.2	563.2	514.0	527.1	558.8	587.2	592.7
4179.4	37.5°	3965.1	3035.6	982.0	676.9	553.3	493.2	499.7	527.1	564.3	581.8
4728.4	40°	4447.4	3367.0	1025.7	669.2	542.4	475.7	476.8	497.6	530.4	556.6
5318.9	42.5°	4944.9	3754.1	1106.6	640.8	532.5	460.4	457.1	471.3	493.2	511.8
5908.3	45°	5418.4	4152.1	1186.5	601.4	520.5	445.1	437.4	442.9	447.3	454.9
6482.4	47.5°	5831.8	4432.0	1163.5	565.4	504.1	427.6	414.4	412.3	399.1	398.0
6995.3	50°	6117.2	4493.3	1033.4	529.3	480.1	407.9	387.1	374.0	351.0	340.1
7379.1	52.5°	6207.9	4251.6	844.2	493.2	440.7	381.6	352.1	331.3	302.9	293.1
7600.0	55°	6087.6	3778.1	674.7	449.4	386.0	346.6	313.8	286.5	263.5	251.5
7624.0	57.5°	5793.5	3175.6	533.6	398.0	328.1	307.3	274.5	247.1	227.5	215.4
7357.2	60°	5305.8	2521.7	422.1	336.8	279.9	264.6	230.7	213.2	195.7	181.5
6668.3	62.5°	4565.5	1799.9	331.3	266.8	234.0	216.5	196.8	183.7	162.9	143.3
5429.3	65°	3562.7	1101.2	255.9	195.7	188.1	179.3	167.3	155.3	130.1	110.4
3541.9	67.5°	2247.2	521.6	182.6	147.6	148.7	144.3	138.9	129.0	110.4	92.9
1586.7	70°	989.6	252.6	120.3	112.6	110.4	110.4	114.8	111.5	94.0	77.6
551.1	72.5°	336.8	135.6	89.7	85.3	79.8	78.7	96.2	92.9	75.5	60.1
274.5	75°	176.1	90.8	65.6	61.2	48.1	58.0	76.5	72.2	53.6	39.4
181.5	77.5°	114.8	64.5	44.8	39.4	27.3	38.3	56.9	50.3	31.7	19.7
119.2	80°	72.2	42.6	26.2	18.6	13.1	20.8	30.6	21.9	12.0	4.4
70.0	82.5°	38.3	21.9	9.8	6.6	5.5	6.6	7.7	5.5	2.2	0.0
36.1	85°	15.3	7.7	3.3	2.2	1.1	0.0	2.2	1.1	0.0	0.0
6.6	87.5°	5.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
2163.0
2020.8
1691.7
1260.8
850.8
688.9
671.4
661.6
646.3
631.0
621.1
613.5
605.8
598.2
592.7
586.1
565.4
519.4
459.3
396.9
341.2
292.0
251.5
213.2
178.2
140.0
107.2
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