

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: P940532

Luminaire Tested: **GALN-SB3C-927-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940532
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-SB3C-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13558 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

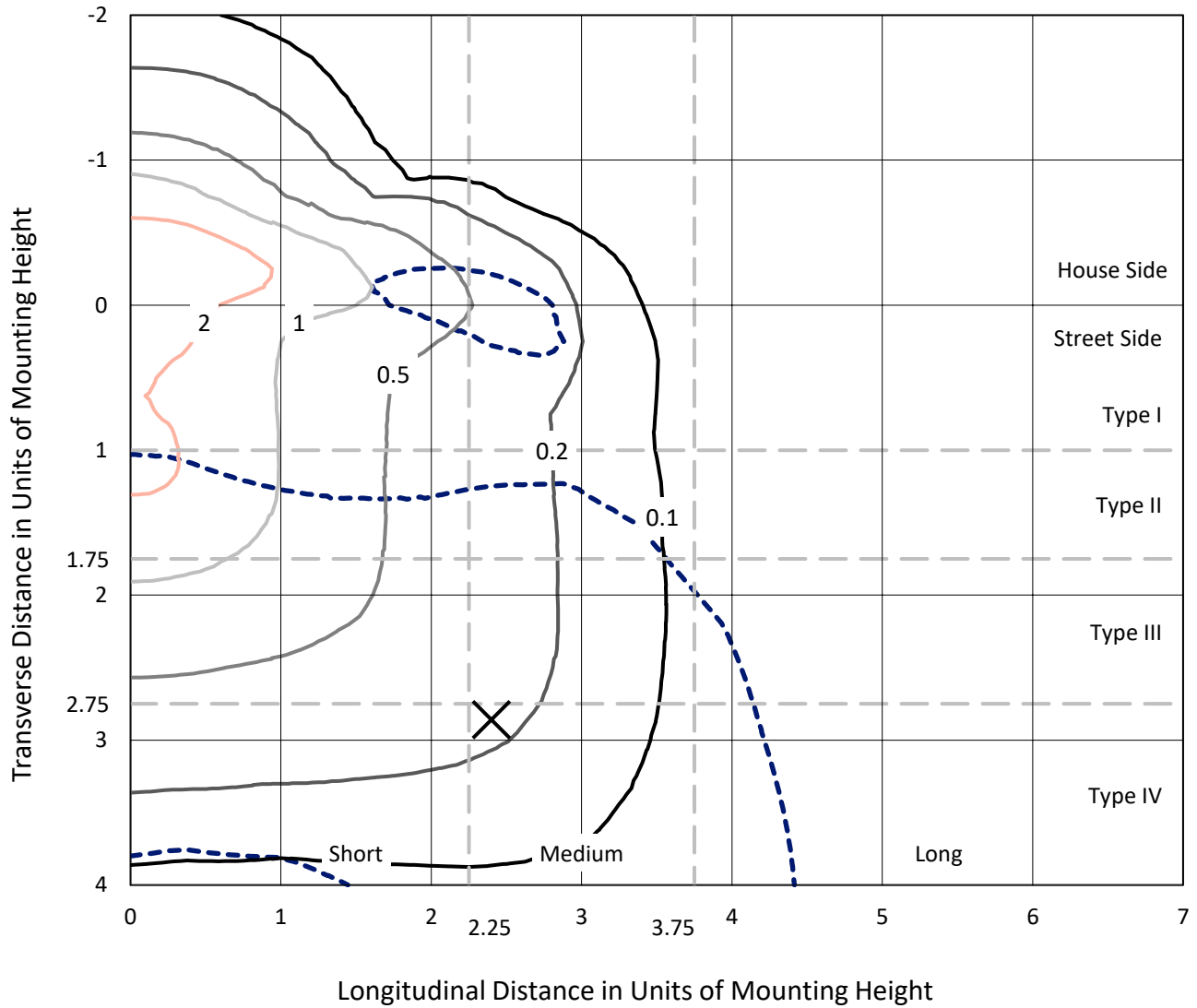
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

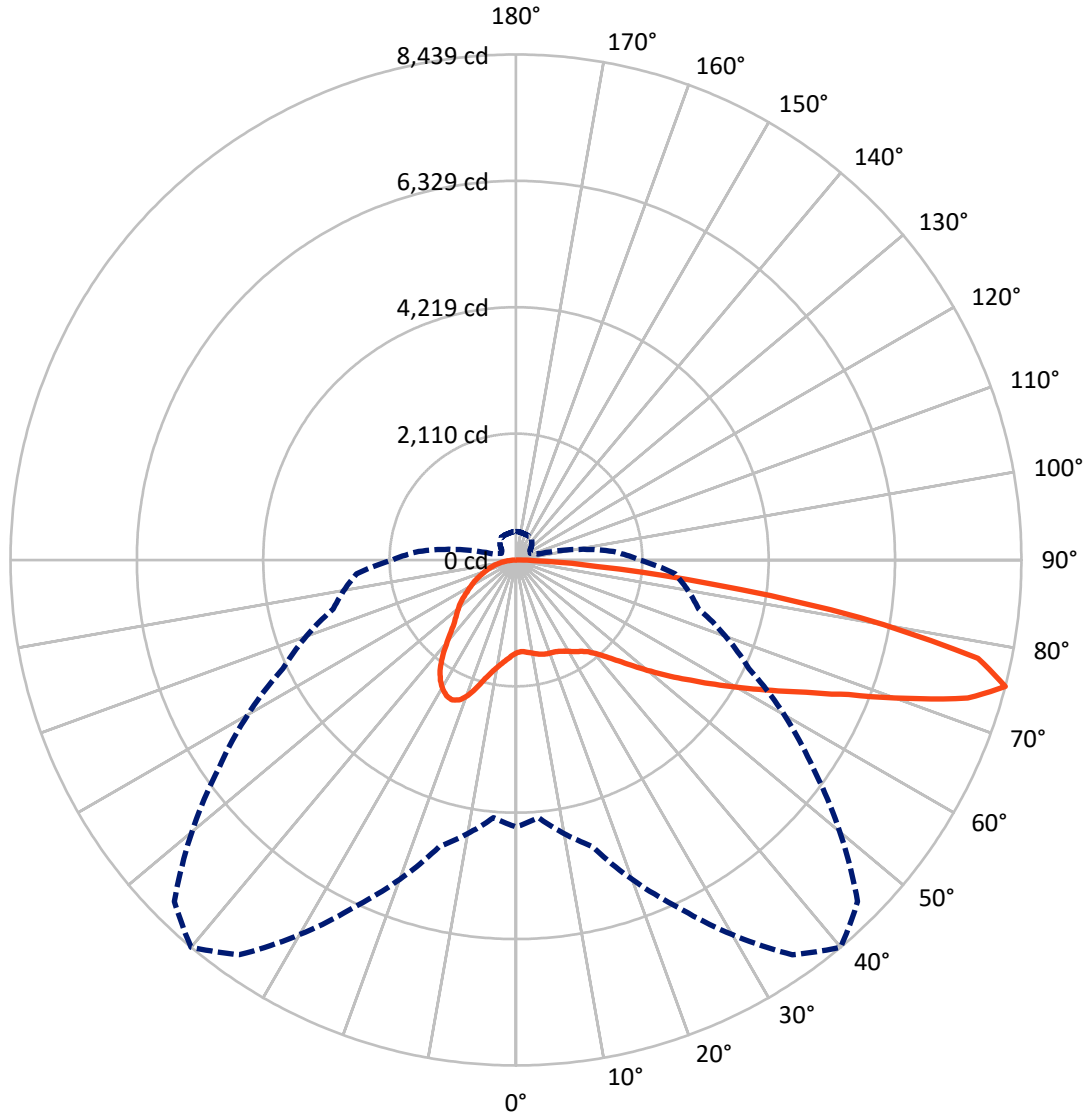
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	4200.7	0.0	4200.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	9357.3	0.0	9357.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	13558.0	0.0	13558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	1.1
10°-20°	519.6	3.8
20°-30°	948.7	7.0
30°-40°	1345.6	9.9
40°-50°	1816.9	13.4
50°-60°	2444.2	18.0
60°-70°	3102.3	22.9
70°-80°	2815.5	20.8
80°-90°	410.4	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°	13558.0	100.0
0°-180°	13558.0	100.0

Coefficient of Utilization



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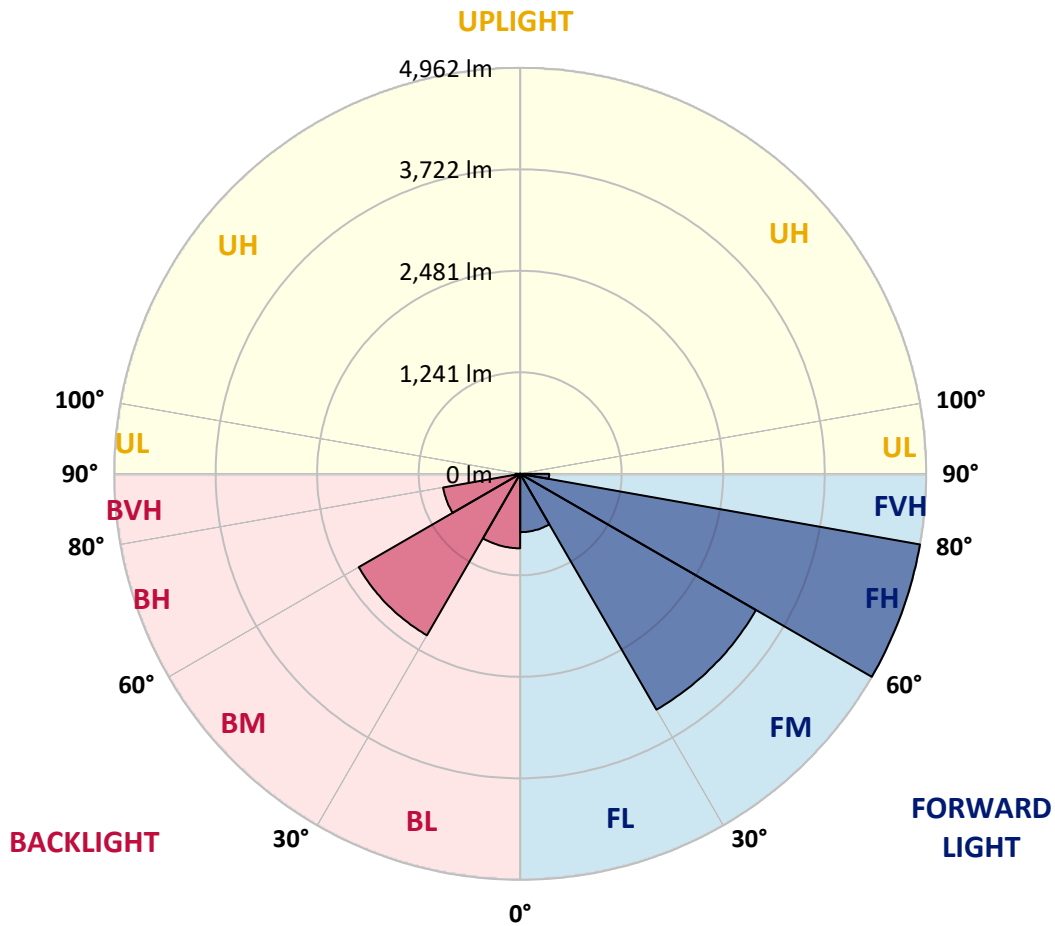
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	713.2	5.3			
FM (30°-60°)	3328.2	24.5			
FH (60°-80°)	4962.0	36.6			G2/5000
FVH (80°-90°)	353.9	2.6			G3/500
BL (0°-30°)	909.9	6.7	B2/1000		
BM (30°-60°)	2278.5	16.8	B2/2500		
BH (60°-80°)	955.8	7.0	B2/1000		G2/1000
BVH (80°-90°)	56.5	0.4			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4
2.5°	1526.6	1535.3	1533.1	1530.2	1530.2	1531.0	1530.2	1535.3	1540.3	1545.3
5°	1542.5	1551.1	1546.8	1543.2	1540.3	1539.6	1537.4	1536.7	1539.6	1546.1
7.5°	1573.4	1582.0	1575.5	1569.1	1563.3	1560.4	1557.6	1553.3	1551.1	1554.7
10°	1607.9	1616.5	1608.6	1597.1	1587.8	1584.2	1581.3	1577.0	1574.1	1576.3
12.5°	1642.4	1651.0	1640.3	1624.4	1612.2	1610.1	1606.5	1605.0	1604.3	1603.6
15°	1674.8	1682.0	1668.3	1649.6	1636.7	1633.1	1629.5	1631.6	1635.2	1639.5
17.5°	1699.9	1707.1	1687.0	1662.6	1650.3	1648.9	1646.7	1653.9	1664.0	1674.8
20°	1723.0	1730.1	1704.3	1671.2	1656.8	1656.8	1657.5	1672.6	1687.0	1702.8
22.5°	1755.3	1761.1	1729.4	1684.1	1663.3	1664.7	1670.5	1685.6	1703.5	1725.1
25°	1803.5	1807.8	1769.0	1708.6	1684.8	1689.2	1694.2	1701.4	1718.6	1743.8
27.5°	1881.2	1884.8	1833.7	1751.7	1715.8	1723.0	1730.1	1725.1	1733.0	1754.6
30°	1990.5	1992.6	1927.9	1819.3	1768.3	1771.9	1773.3	1752.4	1737.3	1754.6
32.5°	2119.9	2119.2	2042.2	1901.3	1827.9	1824.4	1812.1	1771.1	1735.9	1751.0
35°	2320.5	2312.6	2213.4	2016.4	1895.5	1873.3	1844.5	1792.0	1743.1	1747.4
37.5°	2652.8	2628.3	2491.0	2204.8	1996.2	1939.4	1897.0	1825.8	1758.9	1746.0
40°	3027.4	2996.5	2845.5	2462.9	2147.2	2055.9	1987.6	1874.0	1784.8	1752.4
42.5°	3471.8	3427.9	3265.4	2767.1	2338.5	2206.2	2103.4	1935.1	1822.9	1773.3
45°	4017.6	3959.4	3729.2	3110.1	2579.4	2403.2	2265.9	2027.9	1881.2	1813.6
47.5°	4569.1	4583.5	4256.3	3502.7	2868.5	2646.3	2469.4	2167.4	1966.0	1878.3
50°	5155.2	5165.3	4780.6	3937.8	3196.4	2921.0	2698.1	2323.4	2083.9	1970.3
52.5°	5612.6	5614.0	5256.6	4393.0	3538.0	3223.0	2944.7	2501.7	2220.6	2092.6
55°	5898.8	5895.2	5590.3	4823.7	3930.6	3540.1	3218.0	2704.5	2387.4	2236.4
57.5°	6106.6	6095.8	5820.4	5194.0	4349.1	3914.8	3527.2	2934.6	2584.4	2407.5
60°	6185.7	6179.2	5976.4	5514.0	4789.2	4329.0	3883.8	3192.1	2808.1	2609.6
62.5°	6215.9	6228.1	6129.6	5824.0	5260.2	4787.8	4275.8	3499.9	3059.8	2838.3
65°	6322.3	6344.6	6324.5	6229.5	5792.3	5324.9	4795.7	3865.9	3334.5	3083.5
67.5°	6533.0	6555.3	6563.9	6714.9	6442.4	5994.4	5444.3	4321.8	3655.9	3338.1
70°	6528.0	6521.5	6673.9	7101.1	7256.4	6921.3	6318.7	4882.7	4039.2	3549.5
72.5°	5941.9	5890.1	6250.4	7096.8	7933.8	7889.2	7386.6	5606.1	4370.0	3575.4
75°	4457.7	4319.6	4956.0	6395.7	8046.7	8438.6	8065.4	6054.8	4291.6	3159.0
77.5°	1906.3	1767.5	2517.6	4734.5	7201.8	7888.5	7442.7	5282.5	3425.8	2089.0
80°	499.1	498.3	760.8	2146.5	4897.8	5825.4	5110.6	3411.4	1957.4	746.4
82.5°	206.4	201.3	279.7	834.9	2393.2	3269.0	2667.9	1521.6	706.9	202.1
85°	76.9	76.2	135.9	288.4	844.2	1348.3	975.8	389.0	176.2	98.5
87.5°	21.6	20.9	29.5	100.0	205.7	312.1	166.8	64.0	49.6	38.8
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°
1550.4	0°	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4
1553.3	2.5°	1555.4	1559.0	1565.5	1570.5	1577.0	1584.2	1594.2	1600.7	1607.2	1611.5
1556.8	5°	1561.9	1569.8	1586.3	1602.9	1622.3	1640.3	1661.1	1676.2	1688.4	1692.0
1569.8	7.5°	1576.3	1589.2	1617.3	1645.3	1676.2	1705.7	1735.9	1761.8	1782.6	1790.6
1592.8	10°	1601.4	1618.7	1658.2	1697.8	1738.8	1784.1	1822.9	1860.3	1889.8	1902.0
1620.1	12.5°	1633.1	1654.6	1706.4	1761.1	1817.9	1880.4	1930.8	1976.8	2013.5	2030.0
1658.2	15°	1674.1	1702.1	1768.3	1841.6	1925.0	2012.0	2076.0	2127.1	2168.1	2188.2
1697.8	17.5°	1718.6	1756.0	1839.5	1950.2	2069.6	2183.9	2258.7	2296.1	2338.5	2357.9
1734.5	20°	1761.8	1807.8	1927.2	2088.3	2247.2	2368.7	2429.1	2439.2	2442.1	2444.2
1769.0	22.5°	1806.4	1868.2	2037.2	2262.3	2432.7	2516.8	2525.5	2482.3	2421.9	2393.9
1802.8	25°	1855.3	1937.3	2181.0	2454.3	2592.3	2602.4	2536.3	2431.3	2316.9	2264.4
1830.1	27.5°	1902.7	2017.1	2353.6	2637.7	2707.4	2619.0	2476.6	2327.7	2189.7	2134.3
1849.5	30°	1950.2	2108.4	2544.2	2798.0	2759.9	2578.0	2382.4	2216.3	2077.5	2019.2
1866.8	32.5°	1998.4	2214.8	2763.5	2913.8	2750.5	2491.0	2265.2	2091.1	1968.9	1907.8
1881.9	35°	2053.0	2345.7	2971.3	2977.1	2688.0	2363.0	2110.6	1941.6	1835.1	1786.2
1899.9	37.5°	2124.2	2511.8	3154.7	2992.9	2578.7	2175.3	1918.6	1764.7	1676.9	1654.6
1926.5	40°	2212.7	2711.7	3294.9	2967.7	2416.9	1947.3	1708.6	1585.6	1536.0	1541.0
1962.4	42.5°	2327.7	2935.4	3393.4	2903.0	2191.8	1712.2	1524.5	1469.8	1493.6	1513.7
2016.4	45°	2477.3	3167.6	3454.5	2793.0	1937.3	1513.0	1415.9	1428.8	1446.8	1449.0
2103.4	47.5°	2668.6	3402.8	3494.8	2626.9	1677.7	1372.8	1346.9	1349.7	1346.2	1331.1
2233.5	50°	2907.3	3631.4	3530.8	2406.8	1456.9	1285.0	1250.5	1240.4	1190.8	1141.9
2406.8	52.5°	3179.1	3841.4	3545.9	2133.6	1285.0	1211.7	1155.6	1092.3	999.5	984.4
2624.7	55°	3481.2	4035.6	3507.0	1797.7	1140.5	1117.5	1032.6	956.4	946.3	933.4
2911.6	57.5°	3842.1	4244.8	3427.9	1423.1	992.4	1007.5	924.8	933.4	915.4	895.3
3280.5	60°	4236.9	4461.3	3289.2	1081.5	839.2	870.1	896.7	896.0	891.0	874.4
3669.6	62.5°	4592.2	4603.7	3015.9	828.4	704.7	763.7	836.3	835.6	831.3	821.9
4075.8	65°	4803.6	4582.1	2560.0	652.2	594.0	676.0	754.3	760.1	760.8	760.1
4381.5	67.5°	4766.2	4329.7	1934.4	519.2	502.6	586.8	673.1	681.0	686.7	688.2
4420.3	70°	4343.4	3775.3	1261.3	414.2	421.4	508.4	596.1	604.0	609.1	614.8
3835.7	72.5°	3385.5	2775.7	722.0	335.1	350.2	440.8	519.9	529.3	532.1	542.9
2669.3	75°	2063.1	1632.4	389.8	263.9	287.6	376.8	444.4	455.2	460.2	473.2
1310.9	77.5°	980.8	706.9	222.2	205.7	231.5	307.8	375.4	387.6	373.9	381.1
361.7	80°	331.5	262.5	140.2	156.8	176.9	240.2	300.6	312.8	284.0	282.6
120.1	82.5°	115.8	106.4	89.2	104.3	114.3	171.9	227.2	243.1	211.4	210.7
53.9	85°	45.3	43.1	49.6	56.8	68.3	105.7	149.6	157.5	130.2	105.0
15.8	87.5°	9.3	10.1	12.2	12.9	20.9	36.7	53.9	66.2	52.5	44.6
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>
1550.4
1608.6
1693.5
1791.3
1902.7
2030.0
2186.8
2357.2
2450.0
2401.8
2272.3
2140.8
2025.7
1915.7
1797.0
1670.5
1558.3
1532.4
1463.4
1342.6
1148.4
989.5
935.5
891.7
868.7
818.3
760.1
689.6
617.7
547.2
474.6
375.4
279.7
200.6
103.6
41.0
0.0

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