

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: STREETWORKS

Report Number: P847013

Luminaire Tested: **GLAN-SB2D-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13609 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

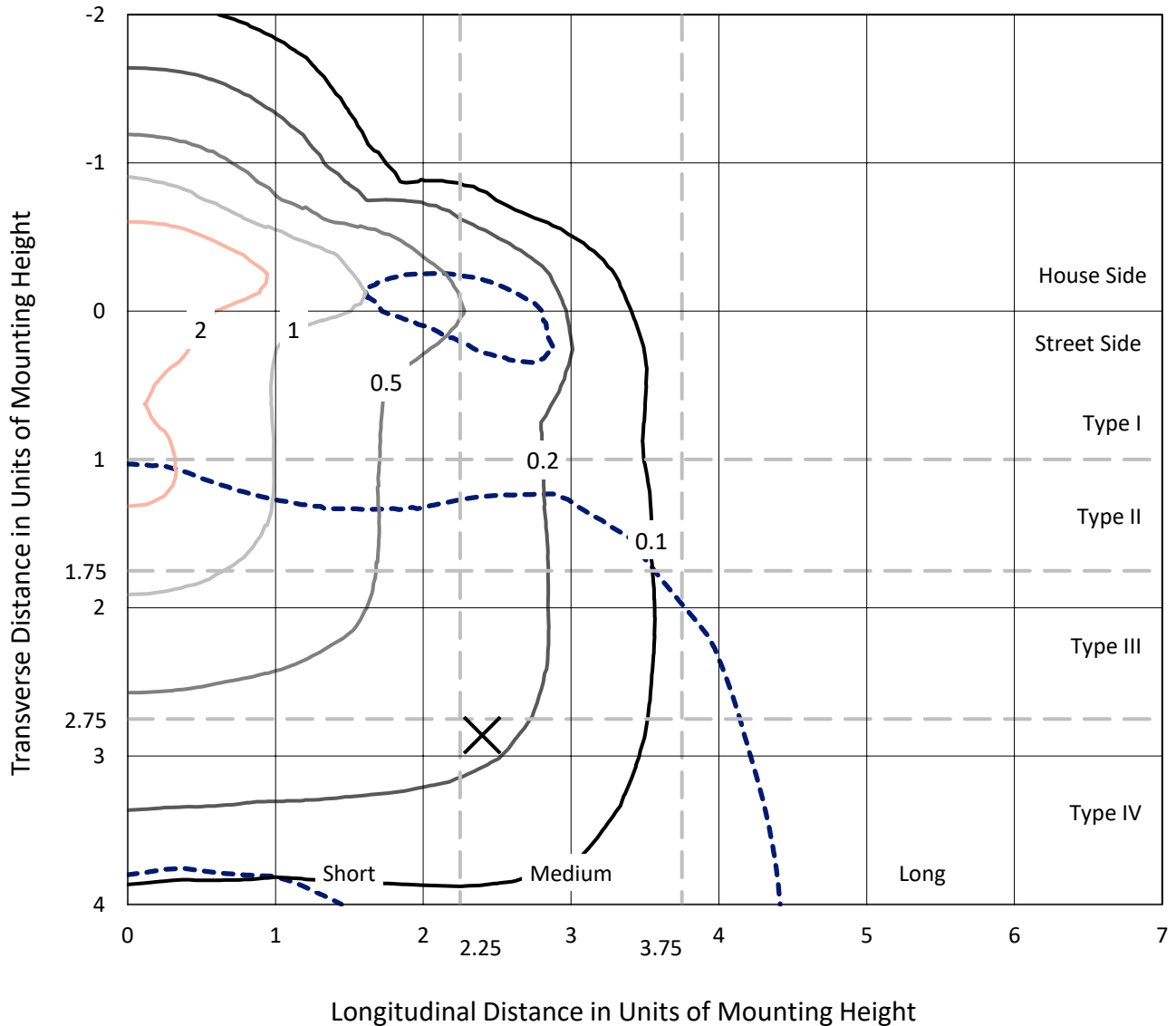
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

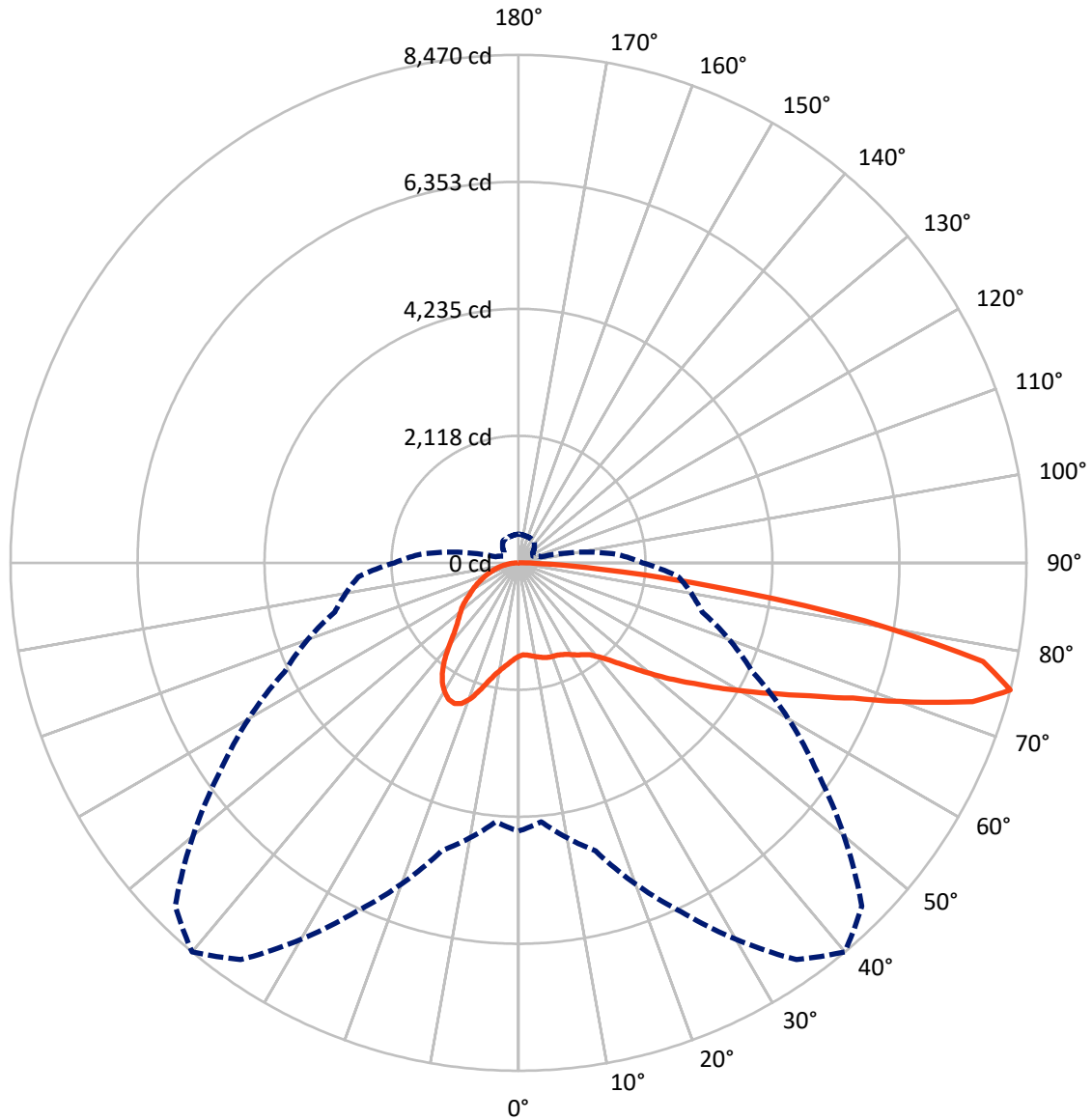
✕ Max cd
 - - - 1/2 Max cd



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	4216.5	0.0	4216.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	9392.5	0.0	9392.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	13609.0	0.0	13609.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.3	1.1
10°-20°	521.5	3.8
20°-30°	952.3	7.0
30°-40°	1350.6	9.9
40°-50°	1823.7	13.4
50°-60°	2453.4	18.0
60°-70°	3114.0	22.9
70°-80°	2826.1	20.8
80°-90°	412.0	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°	13609.0	100.0
0°-180°	13609.0	100.0

Coefficient of Utilization

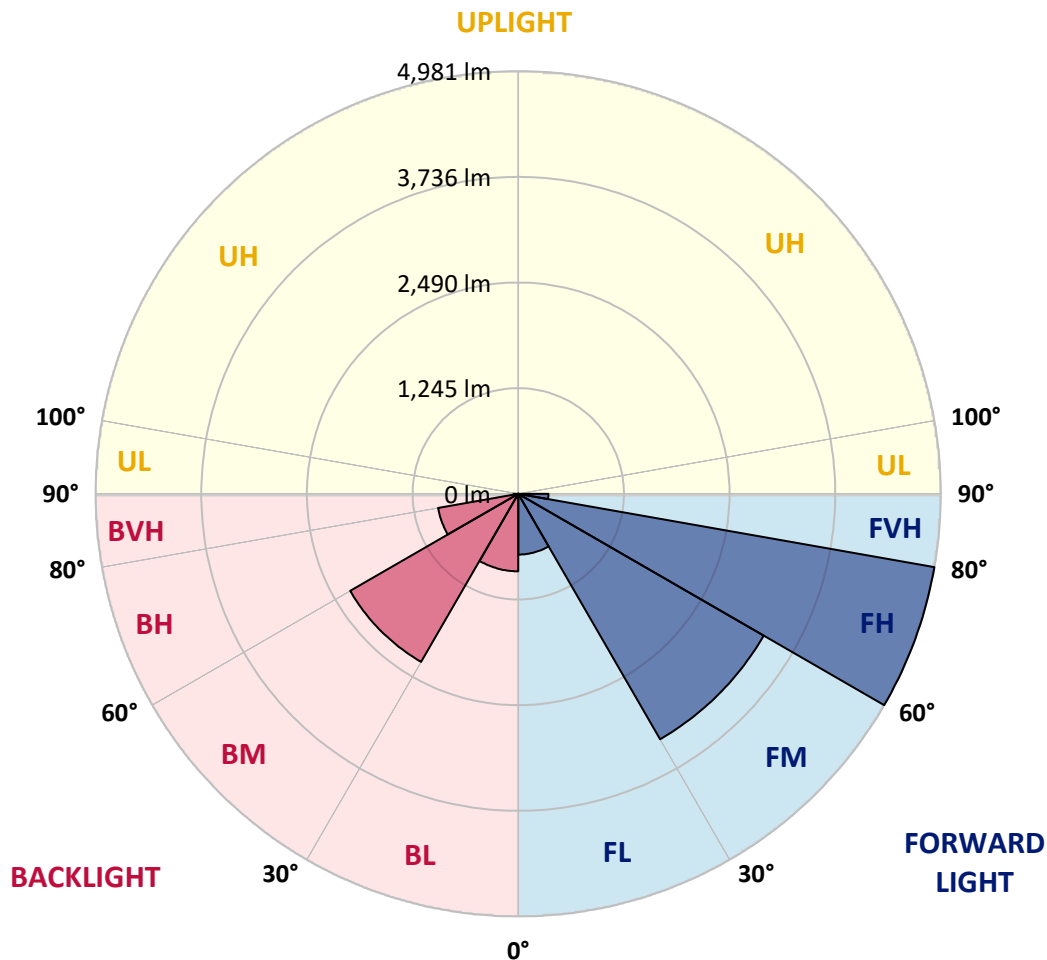


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	715.8	5.3			
FM (30°-60°)	3340.7	24.5			
FH (60°-80°)	4980.7	36.6			G2/5000
FVH (80°-90°)	355.2	2.6			G3/500
BL (0°-30°)	913.3	6.7	B2/1000		
BM (30°-60°)	2287.1	16.8	B2/2500		
BH (60°-80°)	959.4	7.0	B2/1000		G2/1000
BVH (80°-90°)	56.7	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°	1556.2	1556.2	1556.2	1556.2	1556.2	1556.2	1556.2	1556.2	1556.2	1556.2
2.5°	1532.4	1541.0	1538.9	1536.0	1536.0	1536.0	1536.0	1541.0	1546.1	1551.2
5°	1548.3	1556.9	1552.6	1549.0	1546.1	1546.1	1543.2	1542.5	1545.4	1551.9
7.5°	1579.3	1588.0	1581.5	1575.0	1569.2	1569.2	1563.4	1559.1	1556.9	1560.5
10°	1614.0	1622.6	1614.7	1603.1	1593.7	1593.7	1587.2	1582.9	1580.0	1582.2
12.5°	1648.6	1657.3	1646.4	1630.6	1618.3	1618.3	1612.5	1611.1	1610.3	1609.6
15°	1681.1	1688.3	1674.6	1655.8	1642.8	1642.8	1635.6	1637.8	1641.4	1645.7
17.5°	1706.3	1713.6	1693.3	1668.8	1656.5	1656.5	1652.9	1660.1	1670.3	1681.1
20°	1729.4	1736.7	1710.7	1677.5	1663.0	1663.0	1663.8	1678.9	1693.3	1709.2
22.5°	1761.9	1767.7	1735.9	1690.5	1669.5	1669.5	1676.7	1691.9	1710.0	1731.6
25°	1810.3	1814.6	1775.6	1715.0	1691.2	1691.2	1700.6	1707.8	1725.1	1750.4
27.5°	1888.2	1891.8	1840.6	1758.3	1722.2	1722.2	1736.7	1731.6	1739.5	1761.2
30°	1998.0	2000.1	1935.2	1826.2	1774.9	1774.9	1780.0	1759.0	1743.9	1761.2
32.5°	2127.9	2127.2	2049.9	1908.4	1834.8	1834.8	1818.9	1777.8	1742.4	1757.6
35°	2329.3	2321.3	2221.7	2023.9	1902.7	1902.7	1851.4	1798.7	1749.7	1754.0
37.5°	2662.7	2638.2	2500.3	2213.0	2003.7	2003.7	1904.1	1832.7	1765.5	1752.5
40°	3038.8	3007.8	2856.2	2472.2	2155.3	2155.3	1995.1	1881.0	1791.5	1759.0
42.5°	3484.9	3440.8	3277.7	2777.5	2347.3	2347.3	2111.3	1942.4	1829.8	1780.0
45°	4032.7	3974.2	3743.3	3121.8	2589.1	2589.1	2274.4	2035.5	1888.2	1820.4
47.5°	4586.3	4600.8	4272.4	3515.9	2879.3	2879.3	2478.7	2175.5	1973.4	1885.3
50°	5174.6	5184.7	4798.5	3952.6	3208.4	3208.4	2708.2	2332.1	2091.8	1977.7
52.5°	5633.7	5635.1	5276.4	4409.5	3551.3	3551.3	2955.8	2511.2	2228.9	2100.4
55°	5921.0	5917.3	5611.3	4841.9	3945.4	3945.4	3230.1	2714.7	2396.4	2244.8
57.5°	6129.6	6118.7	5842.3	5213.6	4365.5	4365.5	3540.4	2945.7	2594.2	2416.6
60°	6208.9	6202.5	5998.9	5534.8	4807.2	4807.2	3898.5	3204.1	2818.6	2619.4
62.5°	6239.3	6251.5	6152.6	5845.9	5280.0	5280.0	4291.8	3513.0	3071.3	2849.0
65°	6346.1	6368.5	6348.3	6253.0	5814.1	5814.1	4813.7	3880.4	3347.0	3095.1
67.5°	6557.6	6580.0	6588.6	6740.2	6466.6	6466.6	5464.8	4338.0	3669.6	3350.6
70°	6552.5	6546.0	6699.1	7127.8	7283.7	7283.7	6342.5	4901.0	4054.4	3562.8
72.5°	5964.3	5912.3	6273.9	7123.5	7963.7	7963.7	7414.4	5627.2	4386.4	3588.8
75°	4474.5	4335.9	4974.7	6419.7	8077.0	8077.0	8470.4	8095.7	6077.6	4307.7
77.5°	1913.5	1774.2	2527.0	4752.4	7228.9	7228.9	7470.7	5302.4	3438.7	2096.8
80°	500.9	500.2	763.7	2154.6	4916.2	4916.2	5129.9	3424.2	1964.7	749.2
82.5°	207.2	202.1	280.8	838.0	2402.2	2402.2	2677.9	1527.3	709.5	202.8
85°	77.2	76.5	136.4	289.4	847.4	847.4	979.5	390.5	176.8	98.9
87.5°	21.7	20.9	29.6	100.3	206.4	206.4	167.5	64.2	49.8	39.0
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°
1556.2	0°	1556.2	1556.2	1556.2	1556.2	1556.2	1556.2	1556.2	1556.2	1556.2	1556.2
1559.1	2.5°	1561.3	1564.9	1571.4	1576.4	1582.9	1590.1	1600.2	1606.7	1613.2	1617.6
1562.7	5°	1567.8	1575.7	1592.3	1608.9	1628.4	1646.4	1667.4	1682.5	1694.8	1698.4
1575.7	7.5°	1582.2	1595.2	1623.3	1651.5	1682.5	1712.1	1742.4	1768.4	1789.3	1797.3
1598.8	10°	1607.5	1624.8	1664.5	1704.2	1745.3	1790.8	1829.8	1867.3	1896.9	1909.2
1626.2	12.5°	1639.2	1660.9	1712.8	1767.7	1824.7	1887.5	1938.0	1984.2	2021.0	2037.6
1664.5	15°	1680.4	1708.5	1774.9	1848.5	1932.3	2019.6	2083.8	2135.1	2176.2	2196.4
1704.2	17.5°	1725.1	1762.6	1846.4	1957.5	2077.3	2192.1	2267.2	2304.7	2347.3	2366.8
1741.0	20°	1768.4	1814.6	1934.4	2096.1	2255.6	2377.6	2438.3	2448.4	2451.2	2453.4
1775.6	22.5°	1813.2	1875.2	2044.9	2270.8	2441.9	2526.3	2535.0	2491.7	2431.0	2402.9
1809.6	25°	1862.3	1944.5	2189.2	2463.5	2602.1	2612.2	2545.8	2440.4	2325.6	2273.0
1837.0	27.5°	1909.9	2024.7	2362.5	2647.6	2717.6	2628.8	2485.9	2336.5	2197.9	2142.3
1856.5	30°	1957.5	2116.3	2553.7	2808.5	2770.3	2587.7	2391.3	2224.6	2085.3	2026.8
1873.8	32.5°	2005.9	2223.2	2773.9	2924.7	2760.9	2500.3	2273.7	2099.0	1976.3	1914.9
1889.0	35°	2060.7	2354.5	2982.5	2988.3	2698.1	2371.8	2118.5	1948.9	1842.0	1793.0
1907.0	37.5°	2132.2	2521.3	3166.5	3004.1	2588.4	2183.5	1925.8	1771.3	1683.2	1660.9
1933.7	40°	2221.0	2721.9	3307.3	2978.9	2426.0	1954.6	1715.0	1591.6	1541.8	1546.8
1969.8	42.5°	2336.5	2946.4	3406.2	2913.9	2200.1	1718.6	1530.2	1475.4	1499.2	1519.4
2023.9	45°	2486.6	3179.5	3467.5	2803.5	1944.5	1518.7	1421.2	1434.2	1452.3	1454.4
2111.3	47.5°	2678.6	3415.6	3508.0	2636.7	1684.0	1377.9	1351.9	1354.8	1351.2	1336.1
2241.9	50°	2918.2	3645.1	3544.1	2415.9	1462.4	1289.9	1255.2	1245.1	1195.3	1146.2
2415.9	52.5°	3191.1	3855.9	3559.2	2141.6	1289.9	1216.2	1159.9	1096.4	1003.3	988.1
2634.6	55°	3494.2	4050.8	3520.2	1804.5	1144.8	1121.7	1036.5	960.0	949.9	936.9
2922.6	57.5°	3856.6	4260.8	3440.8	1428.4	996.1	1011.2	928.2	936.9	918.9	898.6
3292.9	60°	4252.9	4478.1	3301.5	1085.6	842.3	873.4	900.1	899.4	894.3	877.7
3683.4	62.5°	4609.4	4621.0	3027.2	831.5	707.4	766.6	839.5	838.7	834.4	825.0
4091.2	65°	4821.6	4599.3	2569.6	654.7	596.2	678.5	757.2	762.9	763.7	762.9
4397.9	67.5°	4784.1	4346.0	1941.7	521.1	504.5	589.0	675.6	683.5	689.3	690.8
4436.9	70°	4359.7	3789.5	1266.0	415.8	423.0	510.3	598.4	606.3	611.4	617.1
3850.1	72.5°	3398.2	2786.2	724.7	336.4	351.5	442.5	521.9	531.2	534.1	545.0
2679.3	75°	2070.9	1638.5	391.2	264.9	288.7	378.2	446.1	456.9	462.0	474.9
1315.8	77.5°	984.5	709.5	223.0	206.4	232.4	308.9	376.8	389.1	375.3	382.6
363.1	80°	332.8	263.5	140.8	157.4	177.6	241.1	301.7	314.0	285.1	283.7
120.5	82.5°	116.2	106.8	89.5	104.7	114.8	172.5	228.1	244.0	212.2	211.5
54.1	85°	45.5	43.3	49.8	57.0	68.6	106.1	150.1	158.1	130.6	105.4
15.9	87.5°	9.4	10.1	12.3	13.0	20.9	36.8	54.1	66.4	52.7	44.8
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°
1556.2
1614.7
1699.8
1798.0
1909.9
2037.6
2195.0
2366.1
2459.2
2410.8
2280.9
2148.8
2033.3
1922.9
1803.8
1676.7
1564.1
1538.2
1468.9
1347.6
1152.7
993.2
939.1
895.0
871.9
821.4
762.9
692.2
620.0
549.3
476.4
376.8
280.8
201.4
103.9
41.1
0.0

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