

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: P846733

Luminaire Tested: **GLAN-SB2C-730-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846733  
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-SB2C-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3000K, 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: 14341 lumens  
Efficiency: N/A  
Efficacy: 142.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

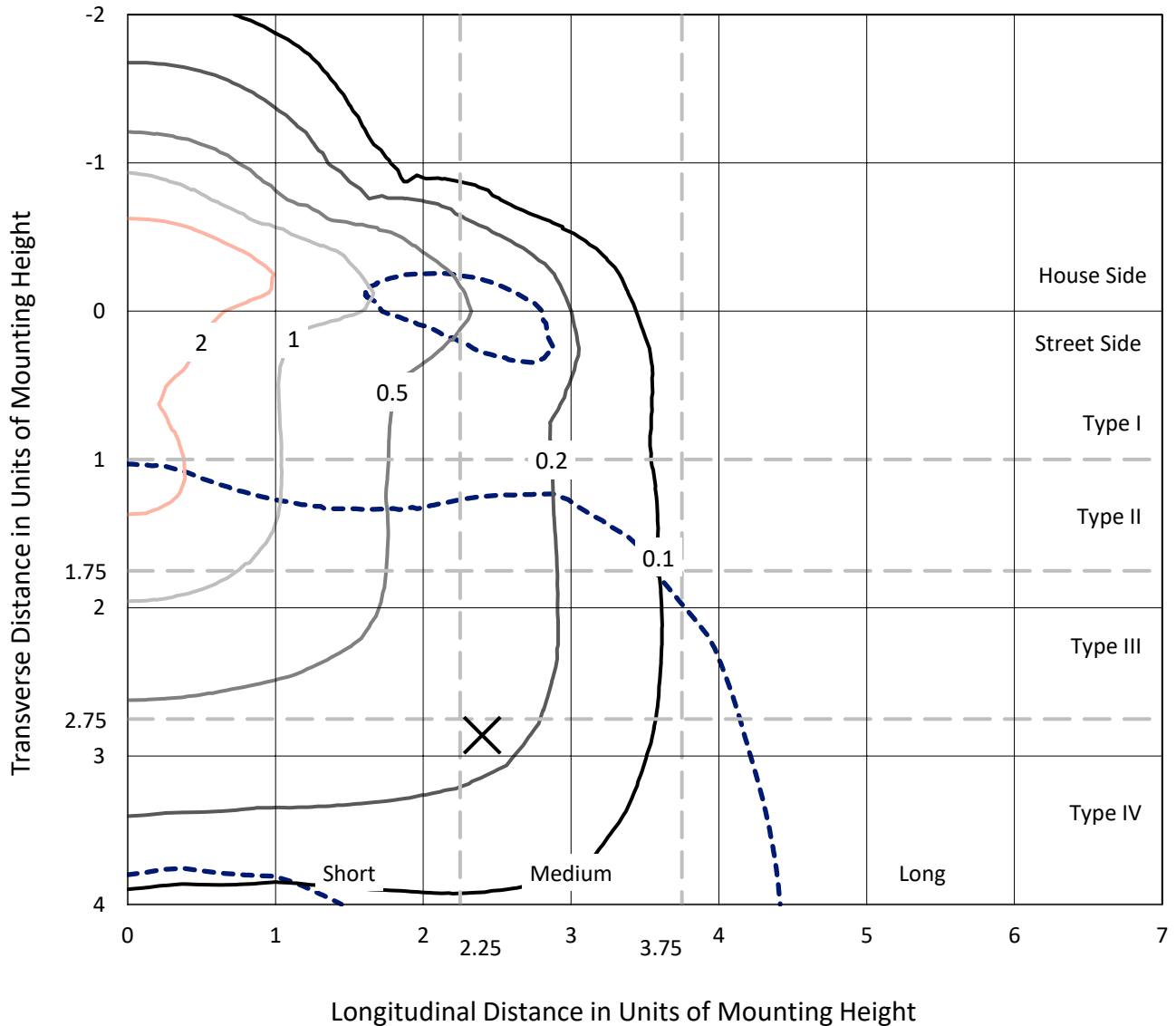
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

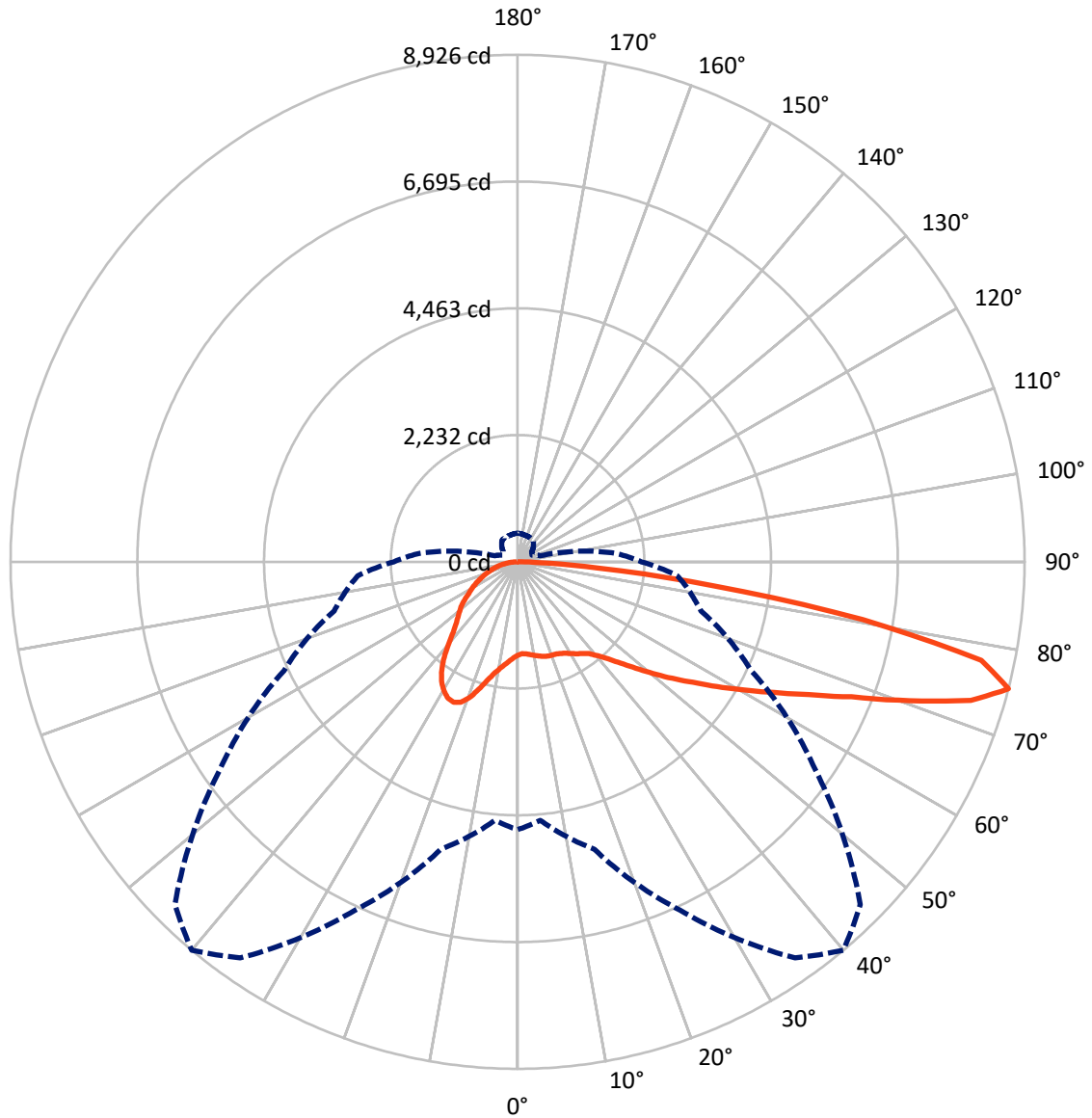
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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
<b>House Side</b>	Lumens	4443.3	0.0	4443.3
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	9897.7	0.0	9897.7
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	14341.0	0.0	14341.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.7	1.1
10°-20°	549.6	3.8
20°-30°	1003.5	7.0
30°-40°	1423.3	9.9
40°-50°	1921.8	13.4
50°-60°	2585.4	18.0
60°-70°	3281.5	22.9
70°-80°	2978.1	20.8
80°-90°	434.1	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°	14341.0	100.0
0°-180°	14341.0	100.0

**Coefficient of Utilization**

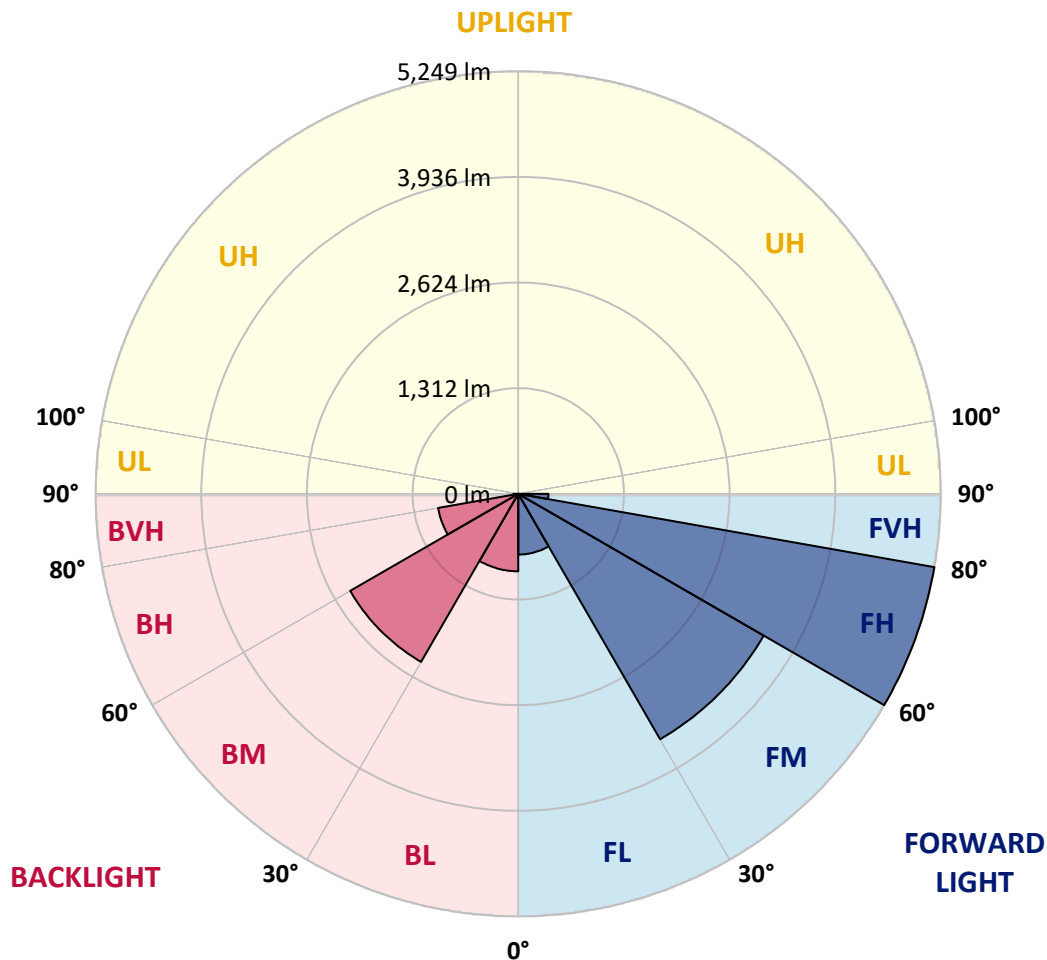


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	754.3	5.3			
FM (30°-60°)	3520.4	24.5			
FH (60°-80°)	5248.6	36.6			G3/7500
FVH (80°-90°)	374.3	2.6			G3/500
BL (0°-30°)	962.5	6.7	B2/1000		
BM (30°-60°)	2410.1	16.8	B2/2500		
BH (60°-80°)	1011.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	59.8	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°	1639.9	1639.9	1639.9	1639.9	1639.9	1639.9	1639.9	1639.9	1639.9	1639.9
2.5°	1614.8	1623.9	1621.7	1618.6	1618.6	1619.4	1618.6	1623.9	1629.3	1634.6
5°	1631.5	1640.7	1636.1	1632.3	1629.3	1628.5	1626.2	1625.5	1628.5	1635.3
7.5°	1664.3	1673.4	1666.5	1659.7	1653.6	1650.6	1647.5	1643.0	1640.7	1644.5
10°	1700.8	1709.9	1701.5	1689.4	1679.5	1675.7	1672.6	1668.1	1665.0	1667.3
12.5°	1737.3	1746.4	1735.0	1718.3	1705.3	1703.0	1699.2	1697.7	1697.0	1696.2
15°	1771.5	1779.1	1764.7	1744.9	1731.2	1727.4	1723.6	1725.9	1729.7	1734.2
17.5°	1798.1	1805.7	1784.4	1758.6	1745.6	1744.1	1741.8	1749.4	1760.1	1771.5
20°	1822.5	1830.1	1802.7	1767.7	1752.5	1752.5	1753.2	1769.2	1784.4	1801.2
22.5°	1856.7	1862.8	1829.3	1781.4	1759.3	1760.9	1766.9	1782.9	1801.9	1824.7
25°	1907.7	1912.2	1871.1	1807.3	1782.1	1786.7	1792.0	1799.6	1817.9	1844.5
27.5°	1989.8	1993.6	1939.6	1852.9	1814.9	1822.5	1830.1	1824.7	1833.1	1855.9
30°	2105.4	2107.7	2039.2	1924.4	1870.4	1874.2	1875.7	1853.6	1837.7	1855.9
32.5°	2242.3	2241.6	2160.2	2011.1	1933.5	1929.7	1916.8	1873.4	1836.2	1852.1
35°	2454.5	2446.2	2341.2	2132.8	2005.0	1981.4	1951.0	1895.5	1843.8	1848.3
37.5°	2806.0	2780.1	2634.8	2332.1	2111.5	2051.4	2006.5	1931.2	1860.5	1846.8
40°	3202.2	3169.5	3009.8	2605.1	2271.2	2174.6	2102.4	1982.2	1887.9	1853.6
42.5°	3672.3	3625.9	3454.0	2926.9	2473.6	2333.6	2224.8	2046.8	1928.2	1875.7
45°	4249.6	4188.0	3944.6	3289.7	2728.4	2542.0	2396.7	2145.0	1989.8	1918.3
47.5°	4833.0	4848.2	4502.2	3705.0	3034.1	2799.1	2612.0	2292.5	2079.6	1986.8
50°	5452.9	5463.6	5056.7	4165.2	3381.0	3089.7	2853.9	2457.6	2204.3	2084.1
52.5°	5936.7	5938.2	5560.2	4646.7	3742.3	3409.1	3114.8	2646.2	2348.8	2213.4
55°	6239.4	6235.6	5913.1	5102.3	4157.6	3744.6	3403.8	2860.7	2525.3	2365.6
57.5°	6459.2	6447.8	6156.5	5494.0	4600.3	4140.9	3730.9	3104.1	2733.7	2546.6
60°	6542.9	6536.1	6321.6	5832.5	5065.8	4579.0	4108.1	3376.4	2970.2	2760.3
62.5°	6574.9	6587.8	6483.6	6160.3	5564.0	5064.3	4522.7	3702.0	3236.5	3002.2
65°	6687.4	6711.0	6689.7	6589.3	6126.9	5632.4	5072.6	4089.1	3527.0	3261.6
67.5°	6910.3	6933.9	6943.0	7102.7	6814.5	6340.6	5758.7	4571.4	3867.0	3530.8
70°	6905.0	6898.1	7059.4	7511.2	7675.5	7321.0	6683.6	5164.7	4272.4	3754.5
72.5°	6285.1	6230.3	6611.4	7506.6	8392.0	8344.8	7813.2	5929.9	4622.3	3781.8
75°	4715.1	4569.1	5242.2	6765.0	8511.4	8926.0	8531.2	6404.5	4539.4	3341.4
77.5°	2016.4	1869.6	2663.0	5008.0	7617.7	8344.1	7872.5	5587.6	3623.6	2209.6
80°	527.9	527.1	804.7	2270.5	5180.6	6161.8	5405.8	3608.4	2070.4	789.5
82.5°	218.3	213.0	295.9	883.1	2531.4	3457.8	2821.9	1609.5	747.7	213.7
85°	81.4	80.6	143.8	305.0	893.0	1426.2	1032.2	411.5	186.4	104.2
87.5°	22.8	22.1	31.2	105.7	217.5	330.1	176.5	67.7	52.5	41.1
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°
1639.9	0°	1639.9	1639.9	1639.9	1639.9	1639.9	1639.9	1639.9	1639.9	1639.9	1639.9
1643.0	2.5°	1645.2	1649.0	1655.9	1661.2	1668.1	1675.7	1686.3	1693.2	1700.0	1704.6
1646.8	5°	1652.1	1660.4	1677.9	1695.4	1716.0	1735.0	1757.0	1773.0	1786.0	1789.8
1660.4	7.5°	1667.3	1681.0	1710.7	1740.3	1773.0	1804.2	1836.2	1863.5	1885.6	1894.0
1684.8	10°	1693.9	1712.2	1754.0	1795.8	1839.2	1887.1	1928.2	1967.7	1998.9	2011.9
1713.7	12.5°	1727.4	1750.2	1805.0	1862.8	1922.9	1989.0	2042.3	2091.0	2129.8	2147.3
1754.0	15°	1770.7	1800.4	1870.4	1948.0	2036.2	2128.2	2195.9	2249.9	2293.3	2314.6
1795.8	17.5°	1817.9	1857.5	1945.7	2062.8	2189.1	2310.0	2389.1	2428.7	2473.6	2494.1
1834.6	20°	1863.5	1912.2	2038.5	2208.9	2377.0	2505.5	2569.4	2580.0	2583.1	2585.4
1871.1	22.5°	1910.7	1976.1	2154.9	2392.9	2573.2	2662.2	2671.3	2625.7	2561.8	2532.1
1906.9	25°	1962.4	2049.1	2307.0	2596.0	2742.1	2752.7	2682.7	2571.7	2450.7	2395.2
1935.8	27.5°	2012.6	2133.6	2489.5	2790.0	2863.8	2770.2	2619.6	2462.2	2316.1	2257.5
1956.3	30°	2062.8	2230.2	2691.1	2959.6	2919.3	2726.8	2520.0	2344.3	2197.5	2135.8
1974.6	32.5°	2113.8	2342.7	2923.1	3082.1	2909.4	2634.8	2396.0	2211.9	2082.6	2017.9
1990.6	35°	2171.6	2481.2	3142.9	3149.0	2843.2	2499.4	2232.4	2053.7	1941.1	1889.4
2009.6	37.5°	2246.9	2656.9	3336.9	3165.7	2727.6	2300.9	2029.4	1866.6	1773.8	1750.2
2037.7	40°	2340.5	2868.3	3485.2	3139.1	2556.5	2059.8	1807.3	1677.2	1624.7	1630.0
2075.8	42.5°	2462.2	3104.9	3589.4	3070.7	2318.4	1811.1	1612.5	1554.7	1579.8	1601.1
2132.8	45°	2620.4	3350.6	3654.1	2954.3	2049.1	1600.4	1497.7	1511.4	1530.4	1532.7
2224.8	47.5°	2822.7	3599.3	3696.6	2778.6	1774.5	1452.0	1424.7	1427.7	1423.9	1407.9
2362.5	50°	3075.2	3841.2	3734.7	2545.8	1541.0	1359.2	1322.7	1312.1	1259.6	1207.9
2545.8	52.5°	3362.7	4063.3	3750.7	2256.8	1359.2	1281.7	1222.3	1155.4	1057.3	1041.3
2776.3	55°	3682.2	4268.6	3709.6	1901.6	1206.4	1182.0	1092.3	1011.6	1001.0	987.3
3079.8	57.5°	4064.0	4490.0	3625.9	1505.3	1049.7	1065.6	978.2	987.3	968.3	947.0
3470.0	60°	4481.6	4718.9	3479.1	1144.0	887.7	920.4	948.5	947.7	942.4	924.9
3881.5	62.5°	4857.4	4869.5	3190.1	876.2	745.4	807.8	884.6	883.8	879.3	869.4
4311.2	65°	5081.0	4846.7	2707.8	689.9	628.3	715.0	797.9	804.0	804.7	804.0
4634.5	67.5°	5041.4	4579.7	2046.1	549.2	531.7	620.7	711.9	720.3	726.4	727.9
4675.6	70°	4594.2	3993.3	1334.1	438.1	445.7	537.8	630.6	638.9	644.3	650.3
4057.2	72.5°	3581.0	2936.0	763.7	354.5	370.4	466.3	549.9	559.8	562.9	574.3
2823.4	75°	2182.2	1726.6	412.3	279.2	304.3	398.6	470.1	481.5	486.8	500.5
1386.6	77.5°	1037.5	747.7	235.0	217.5	244.9	325.5	397.0	410.0	395.5	403.1
382.6	80°	350.6	277.6	148.3	165.8	187.1	254.0	317.9	330.9	300.4	298.9
127.0	82.5°	122.5	112.6	94.3	110.3	120.9	181.8	240.4	257.1	223.6	222.9
57.0	85°	47.9	45.6	52.5	60.1	72.3	111.8	158.2	166.6	137.7	111.1
16.7	87.5°	9.9	10.6	12.9	13.7	22.1	38.8	57.0	70.0	55.5	47.2
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°
1639.9
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1547.9
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