

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: P847313

Luminaire Tested: **GLAN-SB3B-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847313
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-SB3B-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 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: 13867 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

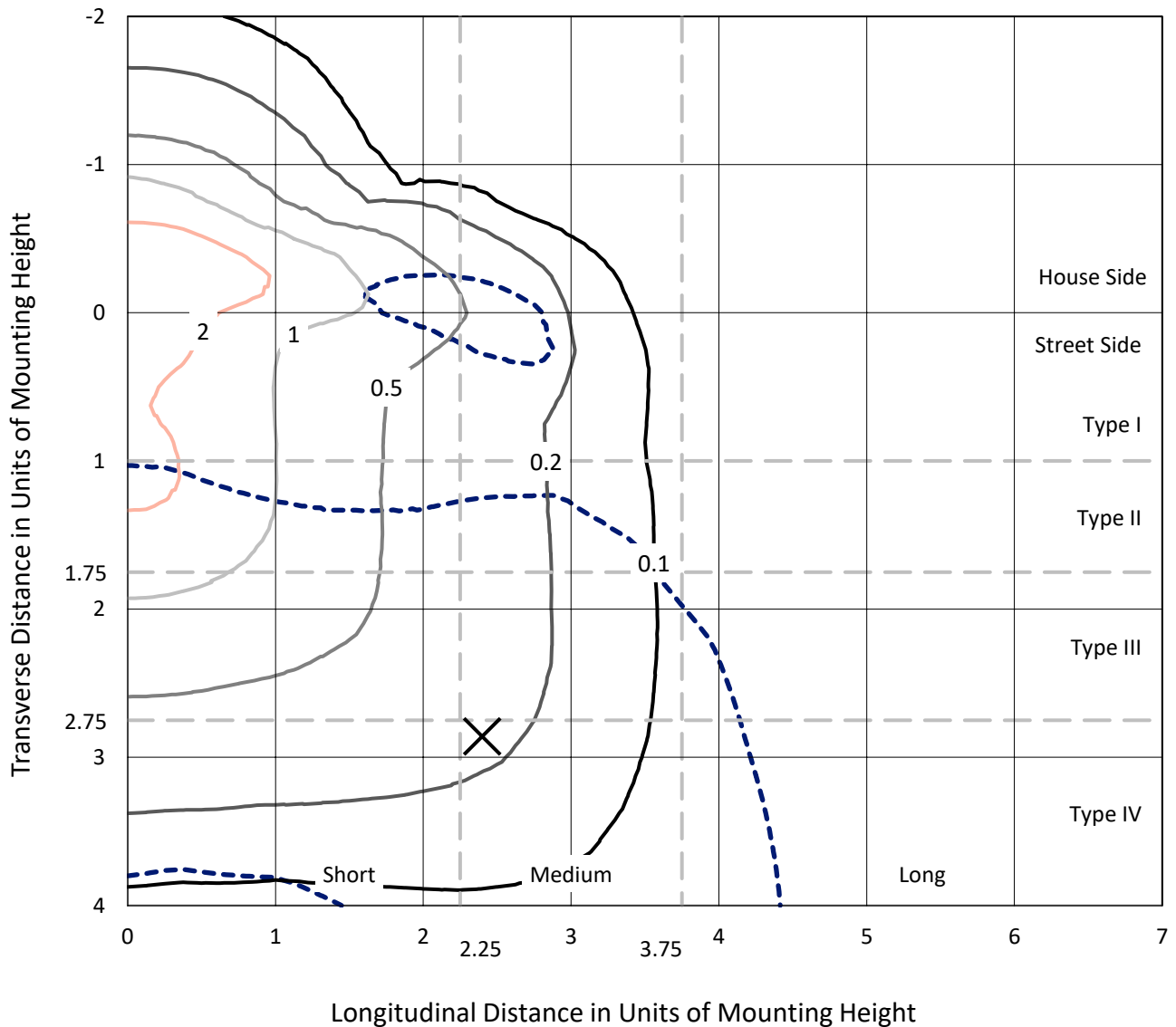
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

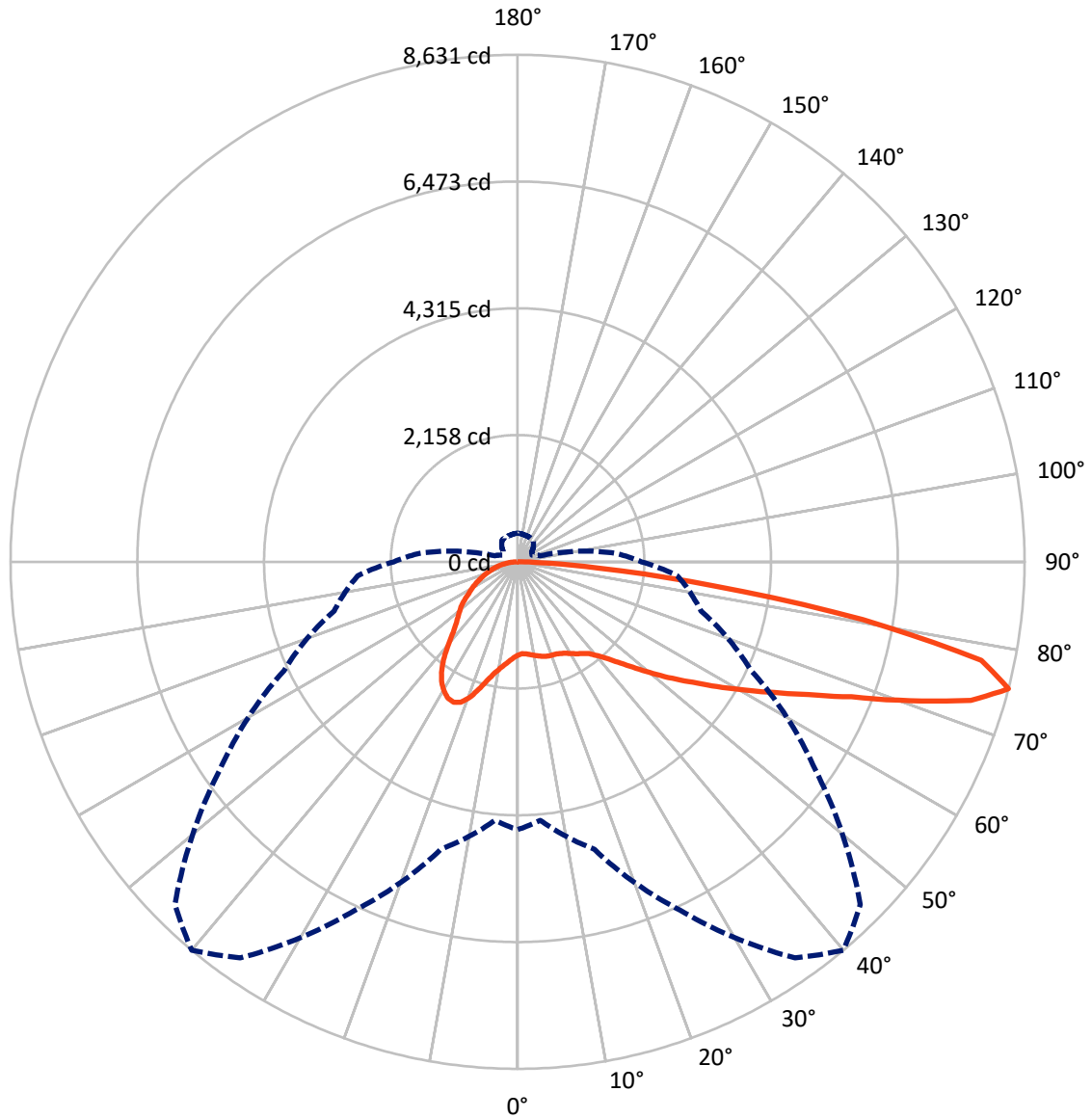
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	4296.5	0.0	4296.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	9570.5	0.0	9570.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	13867.0	0.0	13867.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.3	1.1
10°-20°	531.4	3.8
20°-30°	970.3	7.0
30°-40°	1376.2	9.9
40°-50°	1858.3	13.4
50°-60°	2499.9	18.0
60°-70°	3173.0	22.9
70°-80°	2879.7	20.8
80°-90°	419.8	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°	13867.0	100.0
0°-180°	13867.0	100.0

Coefficient of Utilization

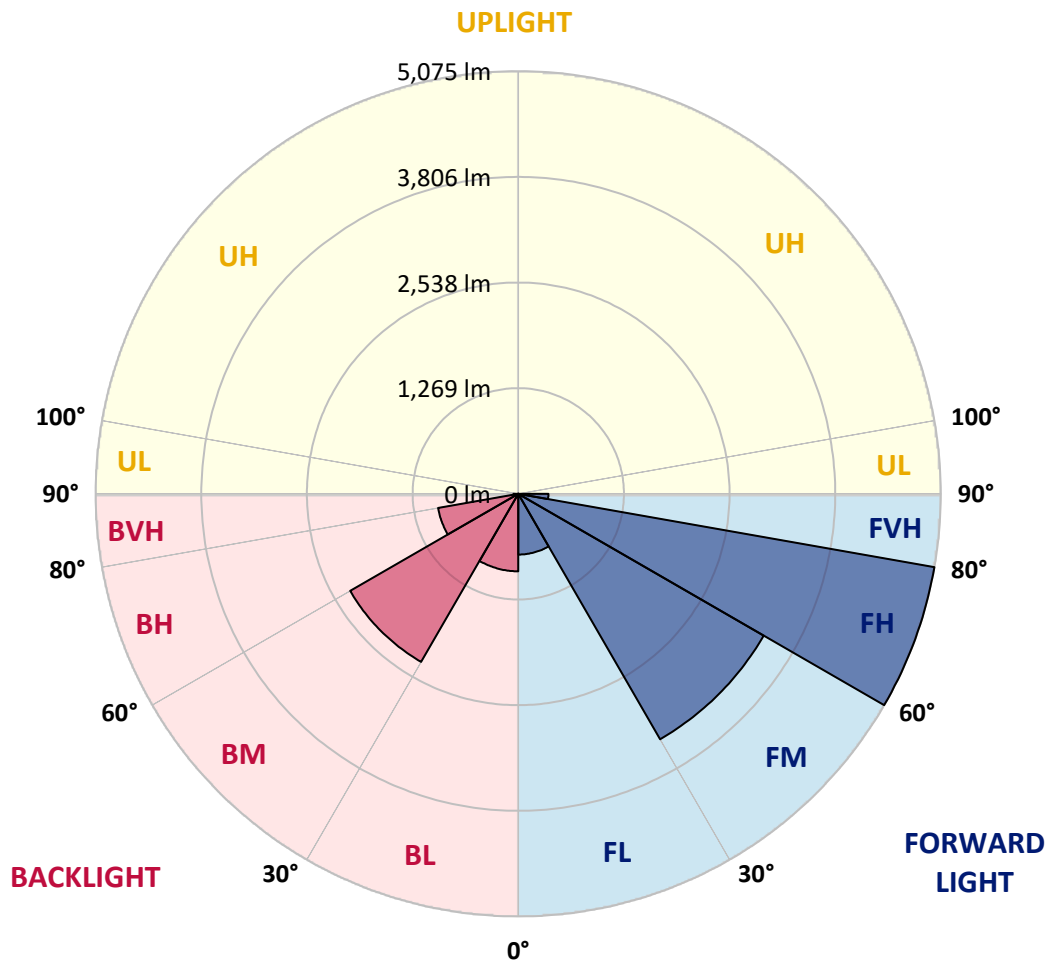


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	729.4	5.3			
FM (30°-60°)	3404.0	24.5			
FH (60°-80°)	5075.1	36.6			G3/7500
FVH (80°-90°)	362.0	2.6			G3/500
BL (0°-30°)	930.7	6.7	B2/1000		
BM (30°-60°)	2330.4	16.8	B2/2500		
BH (60°-80°)	977.6	7.0	B2/1000		G2/1000
BVH (80°-90°)	57.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1585.7	1585.7	1585.7	1585.7	1585.7	1585.7	1585.7	1585.7	1585.7	1585.7
2.5°	1561.4	1570.3	1568.1	1565.1	1565.1	1565.9	1565.1	1570.3	1575.4	1580.6
5°	1577.6	1586.4	1582.0	1578.4	1575.4	1574.7	1572.5	1571.7	1574.7	1581.3
7.5°	1609.2	1618.1	1611.5	1604.8	1598.9	1596.0	1593.1	1588.7	1586.4	1590.1
10°	1644.5	1653.4	1645.3	1633.5	1624.0	1620.3	1617.3	1612.9	1610.0	1612.2
12.5°	1679.9	1688.7	1677.6	1661.5	1649.0	1646.8	1643.1	1641.6	1640.9	1640.1
15°	1712.9	1720.3	1706.3	1687.2	1674.0	1670.3	1666.6	1668.8	1672.5	1676.9
17.5°	1738.7	1746.0	1725.5	1700.4	1687.9	1686.5	1684.3	1691.6	1701.9	1712.9
20°	1762.2	1769.6	1743.1	1709.3	1694.6	1694.6	1695.3	1710.7	1725.5	1741.6
22.5°	1795.3	1801.2	1768.8	1722.5	1701.2	1702.7	1708.5	1724.0	1742.4	1764.4
25°	1844.6	1849.0	1809.3	1747.5	1723.2	1727.7	1732.8	1740.2	1757.8	1783.6
27.5°	1924.0	1927.7	1875.5	1791.6	1754.9	1762.2	1769.6	1764.4	1772.5	1794.6
30°	2035.8	2038.0	1971.8	1860.8	1808.6	1812.2	1813.7	1792.4	1776.9	1794.6
32.5°	2168.2	2167.5	2088.8	1944.6	1869.6	1865.9	1853.4	1811.5	1775.5	1790.9
35°	2373.4	2365.3	2263.8	2062.3	1938.7	1915.9	1886.5	1832.8	1782.8	1787.2
37.5°	2713.2	2688.2	2547.7	2255.0	2041.7	1983.6	1940.2	1867.4	1799.0	1785.8
40°	3096.4	3064.8	2910.3	2519.0	2196.2	2102.8	2032.9	1916.7	1825.5	1792.4
42.5°	3550.9	3506.1	3339.8	2830.2	2391.8	2256.5	2151.3	1979.2	1864.5	1813.7
45°	4109.2	4049.6	3814.2	3181.0	2638.2	2458.0	2317.5	2074.1	1924.0	1854.9
47.5°	4673.3	4688.0	4353.3	3582.6	2933.9	2706.6	2525.7	2216.8	2010.8	1921.1
50°	5272.7	5283.0	4889.5	4027.5	3269.2	2987.5	2759.5	2376.4	2131.4	2015.2
52.5°	5740.5	5741.9	5376.4	4493.1	3618.6	3296.5	3011.8	2558.8	2271.2	2140.3
55°	6033.2	6029.5	5717.7	4933.6	4020.2	3620.8	3291.3	2766.2	2441.8	2287.4
57.5°	6245.8	6234.7	5953.0	5312.4	4448.2	4004.0	3607.6	3001.5	2643.3	2462.4
60°	6326.7	6320.0	6112.6	5639.7	4898.3	4427.6	3972.4	3264.8	2872.1	2669.1
62.5°	6357.5	6370.1	6269.3	5956.7	5380.1	4896.9	4373.2	3579.6	3129.5	2903.0
65°	6466.4	6489.2	6468.6	6371.5	5924.3	5446.3	4905.0	3954.0	3410.5	3153.8
67.5°	6681.9	6704.7	6713.5	6868.0	6589.2	6131.0	5568.4	4420.3	3739.2	3414.1
70°	6676.8	6670.1	6826.1	7262.9	7421.8	7079.1	6462.7	4994.0	4131.2	3630.4
72.5°	6077.3	6024.4	6392.9	7258.5	8114.6	8069.0	7554.9	5733.9	4469.6	3656.8
75°	4559.3	4418.1	5069.0	6541.4	8230.1	8630.9	8249.2	6192.8	4389.4	3231.0
77.5°	1949.8	1807.8	2574.9	4842.4	7365.9	8068.3	7612.3	5402.9	3503.9	2136.6
80°	510.4	509.7	778.1	2195.4	5009.4	5958.2	5227.1	3489.2	2002.0	763.4
82.5°	211.1	205.9	286.1	853.9	2447.7	3343.5	2728.7	1556.3	723.0	206.7
85°	78.7	78.0	139.0	294.9	863.5	1379.0	998.1	397.9	180.2	100.8
87.5°	22.1	21.3	30.2	102.2	210.3	319.2	170.6	65.5	50.7	39.7
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°
1585.7	0°	1585.7	1585.7	1585.7	1585.7	1585.7	1585.7	1585.7	1585.7	1585.7	1585.7
1588.7	2.5°	1590.9	1594.5	1601.2	1606.3	1612.9	1620.3	1630.6	1637.2	1643.8	1648.2
1592.3	5°	1597.5	1605.6	1622.5	1639.4	1659.3	1677.6	1699.0	1714.4	1726.9	1730.6
1605.6	7.5°	1612.2	1625.4	1654.1	1682.8	1714.4	1744.6	1775.5	1801.9	1823.3	1831.4
1629.1	10°	1637.9	1655.6	1696.0	1736.5	1778.4	1824.7	1864.5	1902.7	1932.9	1945.4
1657.1	12.5°	1670.3	1692.4	1745.3	1801.2	1859.3	1923.3	1974.8	2021.9	2059.4	2076.3
1696.0	15°	1712.2	1740.9	1808.6	1883.6	1968.9	2057.9	2123.4	2175.6	2217.5	2238.1
1736.5	17.5°	1757.8	1796.1	1881.4	1994.6	2116.7	2233.7	2310.2	2348.4	2391.8	2411.7
1774.0	20°	1801.9	1849.0	1971.1	2135.9	2298.4	2422.7	2484.5	2494.8	2497.7	2499.9
1809.3	22.5°	1847.5	1910.8	2083.6	2313.8	2488.2	2574.2	2583.0	2538.9	2477.1	2448.4
1843.9	25°	1897.6	1981.4	2230.7	2510.2	2651.4	2661.7	2594.1	2486.7	2369.7	2316.0
1871.8	27.5°	1946.1	2063.0	2407.2	2697.8	2769.1	2678.6	2533.0	2380.8	2239.6	2182.9
1891.7	30°	1994.6	2156.4	2602.2	2861.8	2822.8	2636.7	2436.7	2266.8	2124.8	2065.2
1909.3	32.5°	2043.9	2265.3	2826.5	2980.2	2813.2	2547.7	2316.8	2138.8	2013.8	1951.2
1924.8	35°	2099.8	2399.2	3039.0	3044.9	2749.3	2416.8	2158.7	1985.8	1877.0	1826.9
1943.2	37.5°	2172.6	2569.1	3226.6	3061.1	2637.5	2224.8	1962.3	1804.9	1715.2	1692.4
1970.4	40°	2263.1	2773.5	3370.0	3035.4	2472.0	1991.7	1747.5	1621.7	1571.0	1576.1
2007.1	42.5°	2380.8	3002.3	3470.8	2969.2	2241.8	1751.2	1559.2	1503.3	1527.6	1548.2
2062.3	45°	2533.8	3239.8	3533.3	2856.6	1981.4	1547.5	1448.2	1461.4	1479.8	1482.0
2151.3	47.5°	2729.4	3480.3	3574.5	2686.7	1715.9	1404.0	1377.6	1380.5	1376.8	1361.4
2284.4	50°	2973.6	3714.2	3611.2	2461.7	1490.1	1314.3	1279.0	1268.7	1218.0	1168.0
2461.7	52.5°	3251.6	3929.0	3626.7	2182.2	1314.3	1239.3	1181.9	1117.2	1022.3	1006.9
2684.5	55°	3560.5	4127.6	3587.0	1838.7	1166.5	1142.9	1056.2	978.2	967.9	954.7
2978.0	57.5°	3929.7	4341.6	3506.1	1455.5	1015.0	1030.4	945.8	954.7	936.3	915.7
3355.3	60°	4333.5	4563.0	3364.1	1106.2	858.3	889.9	917.2	916.4	911.3	894.4
3753.2	62.5°	4696.8	4708.6	3084.6	847.3	720.8	781.1	855.4	854.6	850.2	840.7
4168.7	65°	4913.1	4686.5	2618.3	667.1	607.5	691.4	771.5	777.4	778.1	777.4
4481.3	67.5°	4874.8	4428.4	1978.5	531.0	514.1	600.2	688.4	696.5	702.4	703.9
4521.0	70°	4442.3	3861.3	1290.0	423.6	431.0	520.0	609.7	617.8	623.0	628.8
3923.1	72.5°	3462.7	2839.0	738.4	342.7	358.2	450.9	531.8	541.3	544.3	555.3
2730.1	75°	2110.1	1669.6	398.6	269.9	294.2	385.4	454.5	465.6	470.7	484.0
1340.8	77.5°	1003.2	723.0	227.3	210.3	236.8	314.8	383.9	396.4	382.5	389.8
369.9	80°	339.1	268.5	143.4	160.3	180.9	245.7	307.4	319.9	290.5	289.0
122.8	82.5°	118.4	108.9	91.2	106.6	116.9	175.8	232.4	248.6	216.2	215.5
55.2	85°	46.3	44.1	50.7	58.1	69.9	108.1	153.0	161.1	133.1	107.4
16.2	87.5°	9.6	10.3	12.5	13.2	21.3	37.5	55.2	67.7	53.7	45.6
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>
1585.7
1645.3
1732.1
1832.1
1946.1
2076.3
2236.6
2410.9
2505.8
2456.5
2324.1
2189.5
2071.9
1959.3
1838.0
1708.5
1593.8
1567.3
1496.7
1373.2
1174.6
1012.0
956.9
912.0
888.5
837.0
777.4
705.3
631.8
559.7
485.4
383.9
286.1
205.2
105.9
41.9
0.0

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