

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: P852508

Luminaire Tested: **GLAN-SB4B-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852508  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 450mA 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: 14148 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

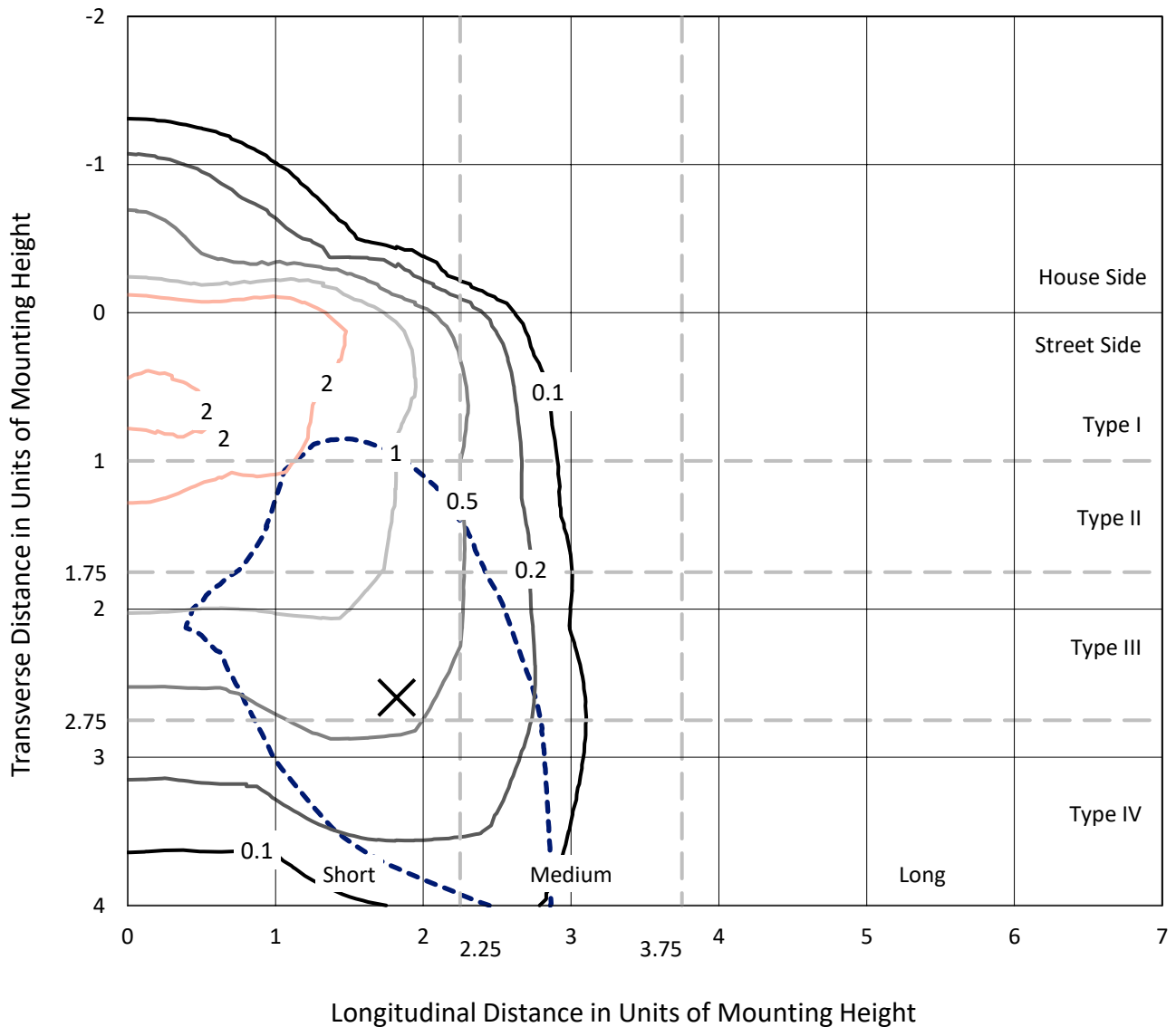
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

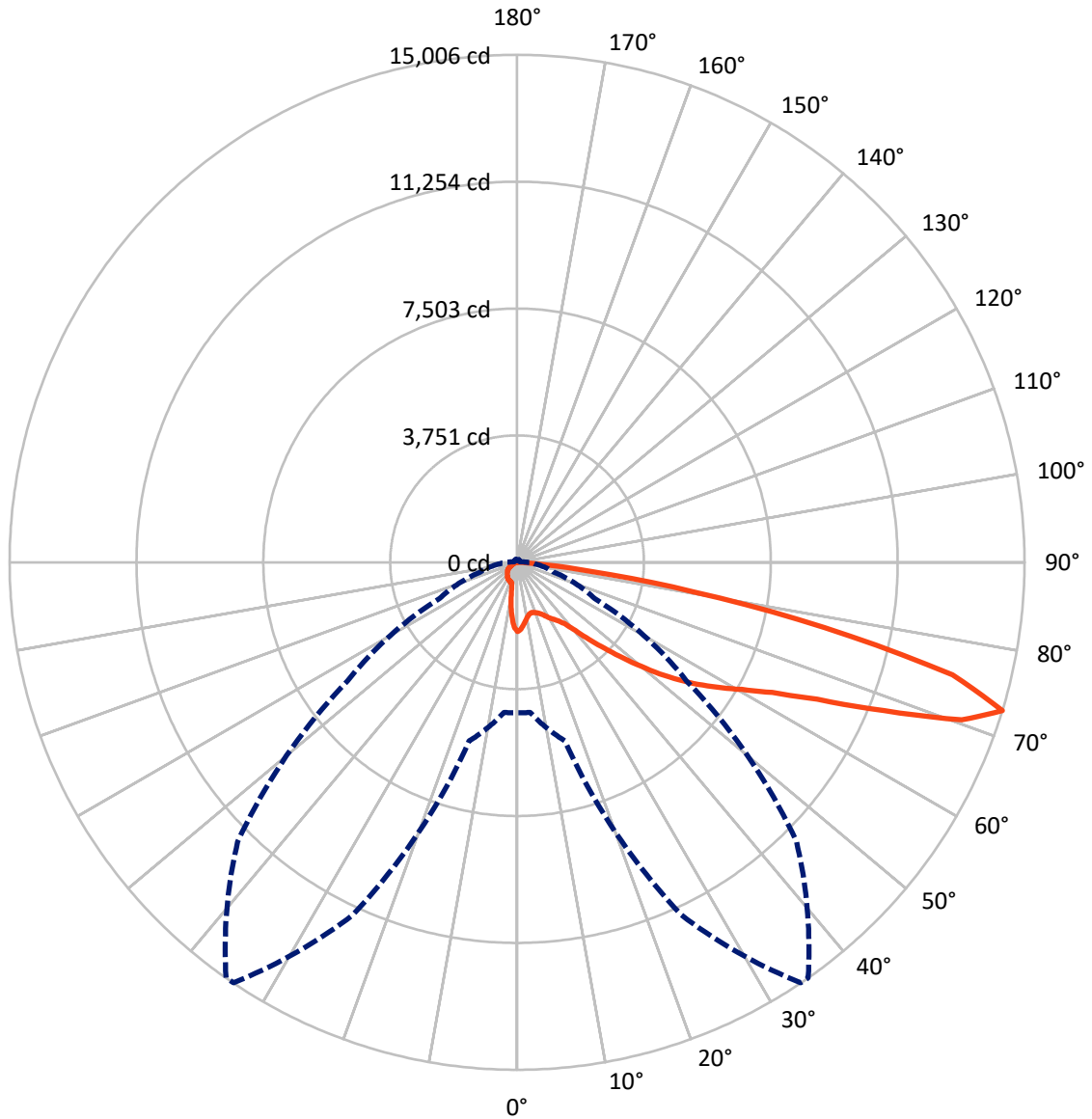
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1592.3	0.0	1592.3
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	12555.7	0.0	12555.7
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	14148.0	0.0	14148.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.5	1.2
10°-20°	394.2	2.8
20°-30°	640.3	4.5
30°-40°	1068.4	7.6
40°-50°	2021.4	14.3
50°-60°	3212.0	22.7
60°-70°	3973.5	28.1
70°-80°	2470.0	17.5
80°-90°	199.6	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°	14148.0	100.0
0°-180°	14148.0	100.0

**Coefficient of Utilization**



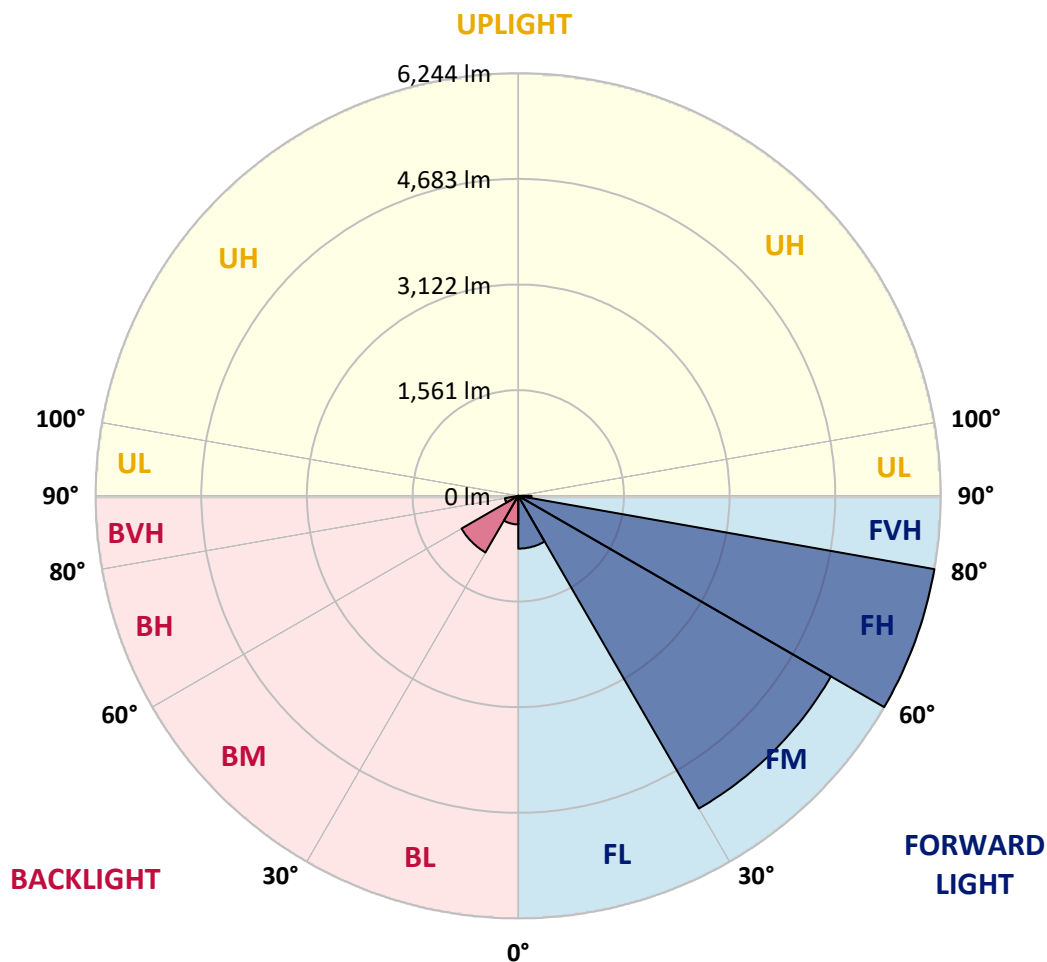
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	779.9	5.5			
FM (30°-60°)	5335.2	37.7			
FH (60°-80°)	6243.7	44.1			G3/7500
FVH (80°-90°)	196.9	1.4			G2/225
BL (0°-30°)	423.1	3.0	B1/500		
BM (30°-60°)	966.7	6.8	B1/1000		
BH (60°-80°)	199.8	1.4	B1/500		G1/500
BVH (80°-90°)	2.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2050.5	2050.5	2050.5	2050.5	2050.5	2050.5	2050.5	2050.5	2050.5	2050.5
2.5°	1959.3	1975.9	1979.0	1984.2	1984.2	1990.4	2000.8	2015.3	2039.1	2051.6
5°	1805.9	1818.3	1833.9	1846.3	1870.1	1873.3	1913.7	1953.1	2008.0	2049.5
7.5°	1651.4	1665.9	1686.7	1716.7	1747.8	1757.1	1818.3	1884.7	1971.7	2049.5
10°	1542.6	1543.6	1562.3	1592.3	1642.1	1653.5	1728.1	1822.5	1931.3	2037.0
12.5°	1481.4	1488.6	1496.9	1519.7	1567.4	1574.7	1654.5	1765.4	1890.9	2029.8
15°	1481.4	1486.6	1491.8	1503.2	1541.5	1547.7	1618.2	1729.2	1870.1	2032.9
17.5°	1496.9	1505.2	1501.1	1514.6	1555.0	1559.1	1621.3	1718.8	1869.1	2052.6
20°	1534.3	1540.5	1532.2	1540.5	1580.9	1589.2	1653.5	1738.5	1886.7	2086.8
22.5°	1593.4	1596.5	1576.8	1583.0	1624.5	1634.8	1709.5	1794.5	1929.2	2141.7
25°	1668.0	1674.2	1644.1	1651.4	1690.8	1703.2	1789.3	1878.4	1996.6	2217.4
27.5°	1754.0	1757.1	1731.2	1730.2	1781.0	1798.6	1885.7	1982.1	2086.8	2312.8
30°	1852.5	1861.8	1837.0	1832.8	1897.1	1911.6	1997.6	2109.6	2219.5	2455.9
32.5°	1930.3	1937.5	1923.0	1933.4	1998.7	2010.1	2133.5	2290.0	2427.9	2659.0
35°	2042.2	2046.4	2013.2	2031.9	2106.5	2135.5	2319.0	2542.9	2690.1	2914.1
37.5°	2447.6	2447.6	2306.6	2214.3	2285.8	2311.8	2573.0	2861.2	3013.6	3256.2
40°	3008.4	2999.1	2792.8	2604.1	2594.8	2645.6	2934.8	3262.4	3431.4	3666.7
42.5°	3606.6	3592.0	3311.1	3124.5	3093.4	3111.0	3352.6	3756.9	3929.0	4167.4
45°	4137.3	4133.2	3876.1	3625.2	3569.2	3625.2	3874.0	4335.3	4458.7	4709.6
47.5°	4582.1	4582.1	4394.4	4230.6	4201.6	4234.8	4580.0	4977.0	4965.6	5287.0
50°	5094.2	5090.0	4911.7	4841.2	4871.3	4917.9	5392.7	5652.9	5490.2	5854.0
52.5°	5452.8	5477.7	5416.6	5405.2	5558.6	5639.4	6217.9	6314.3	5959.8	6392.1
55°	5736.9	5765.9	5836.4	5916.2	6211.7	6317.4	7017.2	6941.5	6352.7	6858.6
57.5°	6139.1	6097.7	6206.5	6364.1	6842.0	6969.5	7791.6	7533.4	6668.9	7236.9
60°	6627.4	6633.6	6652.3	6851.3	7471.2	7635.0	8554.5	8093.2	6872.0	7469.2
62.5°	7214.1	7223.5	7261.8	7567.6	8316.1	8470.6	9367.3	8551.4	6965.3	7403.8
65°	7173.7	7213.1	7641.2	8687.2	9600.5	9752.9	10315.8	8872.8	6824.4	6806.7
67.5°	6535.1	6599.4	7315.7	10024.5	11537.0	11707.0	11462.4	8936.0	6215.8	5293.2
70°	5697.5	5720.3	6581.8	11227.1	13779.3	13951.4	12488.7	8240.4	4716.8	2952.4
72.5°	4449.4	4454.5	5465.3	11505.9	14996.4	15005.7	11683.2	6117.3	2536.7	1134.1
75°	3178.4	3147.3	3660.5	9331.0	13193.6	13299.4	8758.8	2869.5	969.3	536.0
77.5°	1704.3	1738.5	2071.3	5533.7	9114.3	9294.7	4779.0	827.3	493.5	364.9
80°	526.6	555.7	849.0	2533.6	5162.6	5271.4	1771.7	368.0	344.2	260.2
82.5°	165.9	172.1	396.0	1064.7	2142.8	2192.5	513.1	208.4	235.3	172.1
85°	47.7	48.7	176.2	397.0	529.7	540.1	144.1	80.9	134.8	106.8
87.5°	5.2	16.6	66.3	66.3	46.6	45.6	15.5	17.6	38.4	13.5
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°
2050.5	0°	2050.5	2050.5	2050.5	2050.5	2050.5	2050.5	2050.5	2050.5	2050.5
2059.8	2.5°	2054.7	2055.7	2042.2	2019.4	1994.5	1973.8	1947.9	1927.2	1912.6
2078.5	5°	2069.2	2061.9	2023.6	1954.1	1871.2	1799.6	1719.8	1656.6	1615.1
2098.2	7.5°	2090.9	2070.2	1986.2	1849.4	1690.8	1549.8	1406.8	1295.8	1225.3
2116.9	10°	2109.6	2068.1	1924.0	1698.1	1455.5	1241.9	1049.1	915.4	840.7
2138.6	12.5°	2127.2	2067.1	1843.2	1518.7	1190.1	928.9	749.5	683.2	662.4
2173.9	15°	2160.4	2070.2	1741.6	1313.5	925.7	701.8	636.5	635.5	639.6
2227.8	17.5°	2206.0	2073.3	1626.5	1095.8	714.3	618.9	615.8	625.1	631.3
2295.2	20°	2265.1	2085.8	1504.2	880.1	613.7	598.2	605.4	613.7	618.9
2385.4	22.5°	2348.0	2107.5	1370.5	707.0	581.6	585.7	591.9	601.3	606.4
2500.4	25°	2449.6	2141.7	1238.8	614.7	566.0	571.2	580.5	590.9	597.1
2645.6	27.5°	2581.3	2196.7	1117.5	594.0	550.5	553.6	567.1	582.6	590.9
2851.9	30°	2772.0	2286.9	1012.8	603.3	541.1	533.9	552.5	574.3	583.6
3132.8	32.5°	3025.0	2414.4	948.5	617.9	537.0	511.1	528.7	556.7	572.2
3499.8	35°	3356.7	2608.2	923.7	634.4	533.9	487.2	499.7	529.7	556.7
3962.1	37.5°	3758.9	2877.8	930.9	641.7	524.6	467.5	473.8	499.7	534.9
4482.5	40°	4216.1	3191.9	972.4	634.4	514.2	450.9	452.0	471.7	502.8
5042.3	42.5°	4687.8	3558.9	1049.1	607.5	504.9	436.4	433.3	446.8	467.5
5601.1	45°	5136.7	3936.2	1124.8	570.2	493.5	421.9	414.7	419.8	424.0
6145.3	47.5°	5528.5	4201.6	1103.0	536.0	477.9	405.3	392.9	390.8	378.4
6631.5	50°	5799.1	4259.6	979.6	501.7	455.1	386.7	367.0	354.5	332.8
6995.4	52.5°	5885.1	4030.5	800.3	467.5	417.8	361.8	333.8	314.1	287.2
7204.8	55°	5771.1	3581.7	639.6	426.1	365.9	328.6	297.5	271.6	249.8
7227.6	57.5°	5492.2	3010.5	505.9	377.3	311.0	291.3	260.2	234.3	215.6
6974.7	60°	5029.9	2390.5	400.2	319.3	265.4	250.9	218.7	202.1	185.6
6321.6	62.5°	4328.1	1706.3	314.1	252.9	221.8	205.3	186.6	174.2	154.5
5147.0	65°	3377.4	1043.9	242.6	185.6	178.3	170.0	158.6	147.2	123.4
3357.8	67.5°	2130.3	494.5	173.1	139.9	141.0	136.8	131.7	122.3	104.7
1504.2	70°	938.2	239.5	114.0	106.8	104.7	104.7	108.8	105.7	89.2
522.5	72.5°	319.3	128.5	85.0	80.9	75.7	74.6	91.2	88.1	71.5
260.2	75°	166.9	86.0	62.2	58.1	45.6	54.9	72.6	68.4	50.8
172.1	77.5°	108.8	61.2	42.5	37.3	25.9	36.3	53.9	47.7	30.1
113.0	80°	68.4	40.4	24.9	17.6	12.4	19.7	29.0	20.7	11.4
66.3	82.5°	36.3	20.7	9.3	6.2	5.2	6.2	7.3	5.2	2.1
34.2	85°	14.5	7.3	3.1	2.1	1.0	0.0	2.1	1.0	0.0
6.2	87.5°	5.2	1.0	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

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180°
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2050.5
1915.8
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