

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: P852461

Luminaire Tested: **GLAN-SB4A-730-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852461  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17164 lumens  
Efficiency: N/A  
Efficacy: 150.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

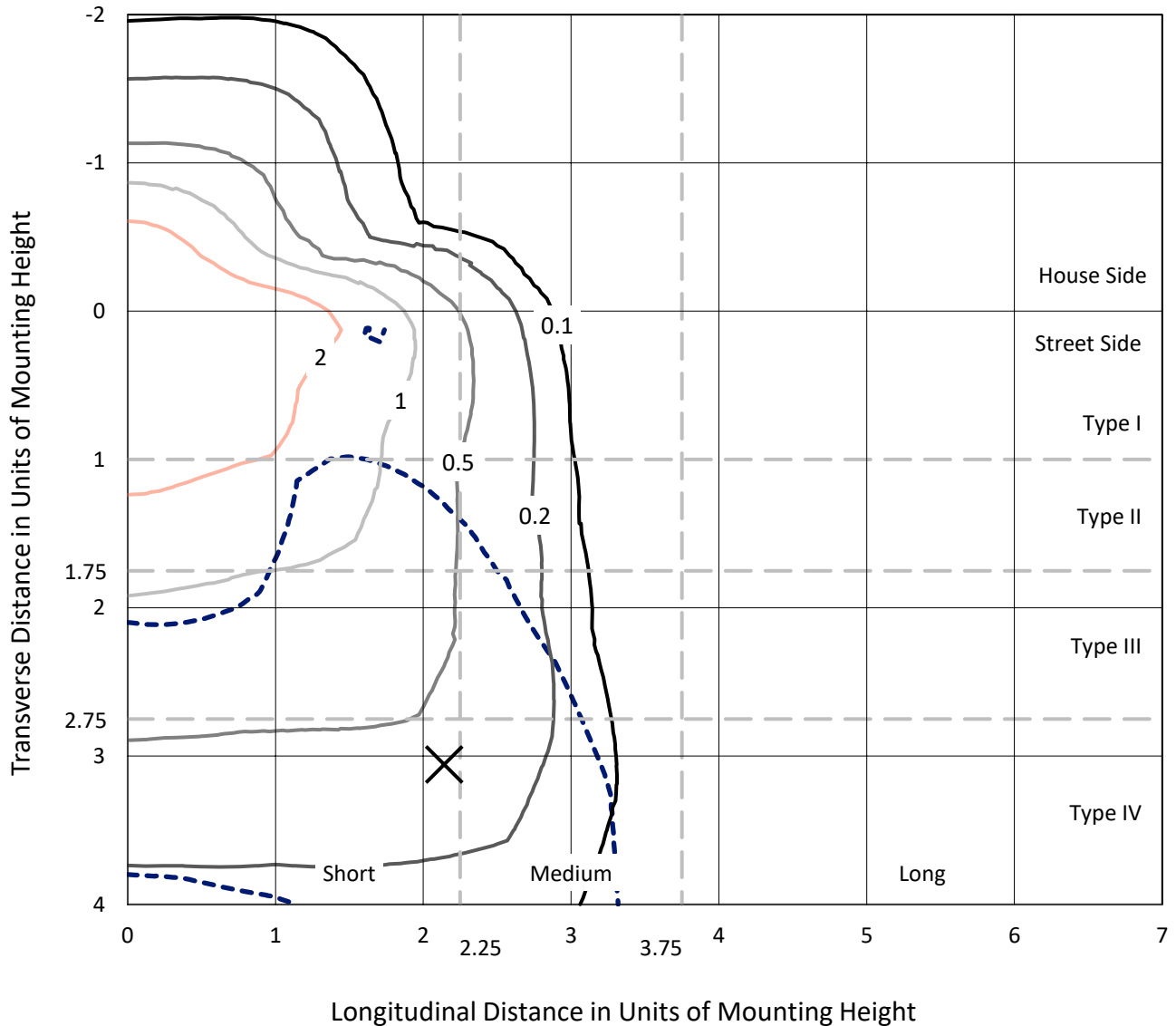
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

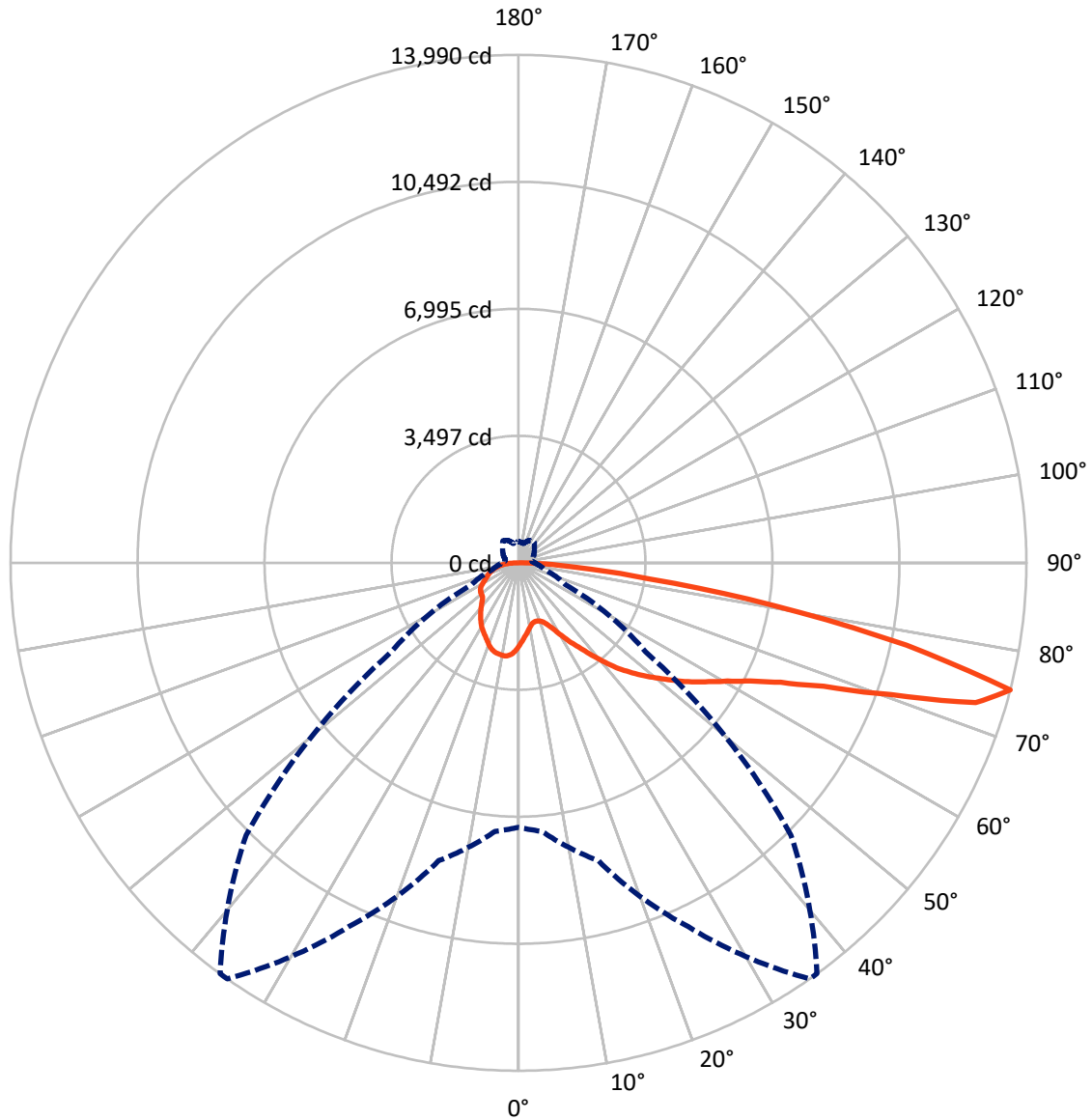
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4084.6	0.0	4084.6
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	13079.4	0.0	13079.4
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	17164.0	0.0	17164.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.6	1.3
10°-20°	624.6	3.6
20°-30°	1048.9	6.1
30°-40°	1630.2	9.5
40°-50°	2419.6	14.1
50°-60°	3340.4	19.5
60°-70°	4052.7	23.6
70°-80°	3349.2	19.5
80°-90°	481.7	2.8
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°	17164.0	100.0
0°-180°	17164.0	100.0

**Coefficient of Utilization**



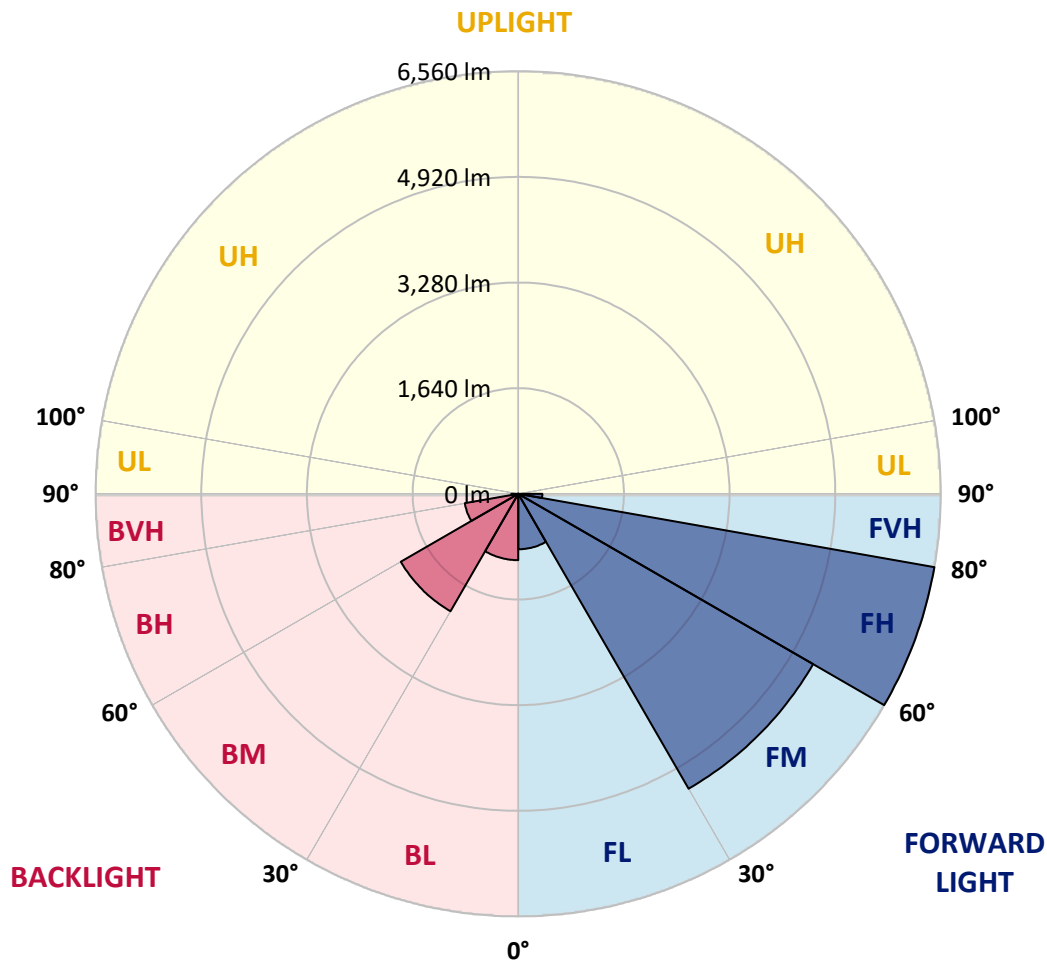
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	860.7	5.0			
FM (30°-60°)	5285.6	30.8			
FH (60°-80°)	6559.8	38.2			G3/7500
FVH (80°-90°)	373.3	2.2			G3/500
BL (0°-30°)	1029.4	6.0	B3/2500		
BM (30°-60°)	2104.6	12.3	B2/2500		
BH (60°-80°)	842.1	4.9	B2/1000		G2/1000
BVH (80°-90°)	108.5	0.6			G2/225
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 Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2287.2	2287.2	2287.2	2287.2	2287.2	2287.2	2287.2	2287.2	2287.2	2287.2
2.5°	2109.1	2122.1	2127.6	2124.8	2138.8	2136.9	2156.4	2180.5	2213.9	2246.4
5°	1946.7	1960.6	1972.7	1983.8	2010.7	2019.1	2049.7	2096.1	2157.3	2219.5
7.5°	1795.4	1807.5	1826.1	1846.5	1891.9	1900.3	1951.3	2023.7	2109.1	2200.0
10°	1672.0	1684.1	1703.6	1726.8	1783.4	1793.6	1858.5	1955.0	2066.4	2181.4
12.5°	1619.1	1622.9	1634.0	1657.2	1706.4	1712.9	1784.3	1894.7	2024.6	2167.5
15°	1616.4	1623.8	1624.7	1636.8	1677.6	1680.4	1746.3	1855.8	1998.6	2164.7
17.5°	1644.2	1649.8	1641.4	1648.8	1683.2	1687.8	1739.8	1837.2	1990.3	2176.8
20°	1718.4	1723.1	1698.0	1687.8	1712.9	1716.6	1767.6	1849.3	1998.6	2201.9
22.5°	1876.2	1879.0	1817.7	1776.0	1777.8	1779.7	1824.2	1898.4	2031.1	2247.3
25°	2122.1	2120.2	2022.8	1942.0	1895.7	1885.4	1915.1	1978.2	2085.9	2307.6
27.5°	2409.7	2395.8	2298.4	2177.7	2076.6	2061.7	2055.2	2082.2	2163.8	2387.4
30°	2734.5	2721.5	2616.6	2458.9	2318.8	2294.6	2233.4	2219.5	2279.8	2496.0
32.5°	3090.8	3082.4	2957.1	2766.0	2578.6	2550.7	2447.7	2410.6	2457.9	2660.2
35°	3389.5	3382.1	3278.2	3081.5	2852.3	2818.0	2713.1	2671.4	2695.5	2870.9
37.5°	3659.6	3655.8	3566.8	3411.8	3175.2	3133.4	3015.6	3001.7	2997.0	3148.3
40°	3910.1	3900.8	3808.0	3726.4	3551.0	3512.9	3409.0	3397.0	3361.7	3489.7
42.5°	4187.5	4163.4	4028.8	3990.8	3943.5	3911.9	3849.8	3851.6	3773.7	3874.8
45°	4413.9	4400.0	4261.7	4239.5	4290.5	4277.5	4331.3	4345.3	4194.0	4278.4
47.5°	4657.0	4644.0	4527.1	4511.3	4649.6	4653.3	4843.5	4848.2	4604.1	4697.8
50°	4956.7	4938.2	4822.2	4841.7	4996.6	5010.5	5358.5	5326.9	4981.8	5123.7
52.5°	5154.4	5165.5	5140.4	5172.0	5383.5	5396.5	5865.1	5784.4	5355.7	5544.1
55°	5300.0	5322.3	5400.2	5472.6	5791.8	5804.8	6343.0	6219.6	5665.6	5933.8
57.5°	5487.5	5455.9	5601.6	5742.6	6179.7	6214.0	6807.8	6639.0	5940.3	6269.7
60°	5756.6	5734.3	5847.5	6056.3	6613.9	6668.7	7299.6	7016.6	6141.6	6536.0
62.5°	6302.1	6246.5	6264.1	6448.8	7161.4	7233.7	7854.5	7346.0	6241.8	6639.9
65°	7117.8	7022.2	6933.1	7061.2	7932.4	8003.9	8480.8	7604.9	6204.7	6438.5
67.5°	8144.9	8050.3	7940.8	8061.4	9068.2	9124.8	9253.7	7750.6	5912.4	5662.8
70°	8992.1	8956.8	9087.6	9584.1	10882.2	10884.0	10244.7	7629.9	5111.7	4014.9
72.5°	8879.8	8858.5	9547.9	11082.6	13168.4	13119.3	11182.8	6716.9	3443.4	1811.2
75°	7284.8	7423.0	8491.0	11055.7	13989.6	13983.1	10608.4	4270.1	1424.3	750.7
77.5°	3906.4	4125.3	5512.5	8162.5	10921.1	11085.4	7458.3	1493.9	611.5	480.6
80°	1274.0	1465.1	2197.2	4156.0	7096.4	7065.8	3196.5	586.4	418.5	340.5
82.5°	541.0	563.2	981.7	1962.5	3641.9	3585.3	1017.9	336.8	294.1	232.9
85°	211.6	236.6	433.3	907.5	1577.4	1543.1	367.4	167.0	188.4	152.2
87.5°	69.6	84.4	155.0	310.8	490.8	473.2	90.0	57.5	81.7	69.6
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°
2287.2	0°	2287.2	2287.2	2287.2	2287.2	2287.2	2287.2	2287.2	2287.2	2287.2	2287.2
2293.7	2.5°	2306.7	2321.6	2339.2	2365.2	2387.4	2406.0	2425.5	2437.5	2442.2	2456.1
2297.4	5°	2323.4	2355.9	2399.5	2442.2	2483.9	2509.0	2531.3	2542.4	2552.6	2560.0
2307.6	7.5°	2351.2	2393.0	2461.7	2517.3	2552.6	2573.0	2587.9	2584.1	2587.9	2589.7
2318.8	10°	2375.4	2433.8	2515.5	2568.4	2595.3	2596.2	2592.5	2579.5	2573.0	2573.9
2335.5	12.5°	2404.1	2469.1	2557.2	2601.8	2609.2	2588.8	2573.0	2550.7	2542.4	2538.7
2360.5	15°	2443.1	2517.3	2602.7	2619.4	2600.8	2574.9	2548.0	2511.8	2493.2	2478.4
2403.2	17.5°	2490.4	2572.1	2638.0	2625.9	2586.0	2543.3	2499.7	2445.0	2406.9	2391.1
2461.7	20°	2556.3	2629.6	2664.9	2612.0	2551.7	2486.7	2412.5	2345.7	2310.4	2294.6
2535.9	22.5°	2636.1	2706.6	2690.8	2587.9	2502.5	2398.6	2305.8	2256.6	2239.0	2227.8
2631.5	25°	2731.7	2792.0	2709.4	2552.6	2421.8	2281.7	2210.2	2194.4	2186.1	2177.7
2748.4	27.5°	2856.0	2888.5	2723.3	2500.6	2295.6	2157.3	2131.3	2134.1	2131.3	2117.4
2910.8	30°	3020.2	3013.7	2736.3	2416.2	2150.8	2045.0	2046.9	2059.0	2060.8	2051.5
3137.2	32.5°	3236.4	3170.6	2742.8	2306.7	2012.6	1946.7	1948.5	1961.5	1970.8	1955.0
3433.1	35°	3498.1	3353.4	2732.6	2169.4	1905.9	1853.0	1839.1	1842.8	1845.5	1830.7
3792.2	37.5°	3803.4	3558.4	2687.1	2017.2	1817.7	1761.1	1731.4	1706.4	1691.5	1677.6
4198.6	40°	4138.3	3782.0	2603.6	1868.7	1719.4	1663.7	1619.1	1571.8	1521.7	1503.2
4629.2	42.5°	4489.1	4012.1	2502.5	1726.8	1606.2	1560.7	1513.4	1444.7	1369.5	1331.5
5076.4	45°	4852.8	4247.8	2403.2	1586.7	1490.2	1470.7	1415.9	1333.4	1251.7	1203.5
5524.6	47.5°	5209.1	4470.5	2257.5	1445.6	1381.6	1403.0	1360.3	1284.2	1193.3	1117.2
5969.0	50°	5549.6	4679.3	2019.1	1302.7	1293.5	1382.5	1341.7	1232.2	1128.3	1030.9
6405.1	52.5°	5887.4	4848.2	1713.8	1172.8	1246.1	1377.0	1317.6	1197.0	1069.8	967.8
6815.3	55°	6174.1	4935.4	1419.7	1061.5	1177.5	1329.6	1288.8	1155.2	987.3	878.7
7096.4	57.5°	6337.4	4864.9	1174.7	952.0	1082.8	1251.7	1239.6	1066.1	888.9	805.4
7151.2	60°	6266.9	4579.1	974.3	856.4	992.8	1167.3	1154.3	978.0	813.7	734.9
6857.9	62.5°	5878.1	4034.4	815.6	772.9	911.2	1081.0	1068.9	910.2	756.2	680.1
6079.5	65°	5095.0	3281.9	692.2	703.3	828.6	977.1	994.7	853.6	710.8	636.5
4703.4	67.5°	3886.0	2377.2	595.7	643.0	747.9	875.0	926.0	812.8	672.7	602.2
2721.5	70°	2214.8	1350.1	514.0	584.6	676.4	780.3	873.1	780.3	631.9	573.4
1019.7	72.5°	839.7	619.8	444.5	526.1	607.8	700.5	814.7	729.3	584.6	541.0
527.0	75°	448.2	377.6	373.9	457.4	528.9	622.6	741.4	679.2	549.3	571.6
364.7	77.5°	305.3	267.2	312.7	391.6	442.6	536.3	663.4	603.1	476.0	474.1
252.4	80°	211.6	189.3	254.2	315.5	342.4	450.9	579.0	517.8	387.9	361.9
155.9	82.5°	127.1	123.4	190.2	235.7	242.2	348.0	479.7	434.2	317.3	276.5
92.8	85°	69.6	73.3	121.6	138.3	141.0	243.1	375.8	335.9	244.0	205.1
33.4	87.5°	19.5	25.1	44.5	54.7	67.7	126.2	223.6	199.5	122.5	85.4
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°
2287.2
2455.2
2561.9
2592.5
2575.8
2536.8
2483.0
2392.1
2292.8
2229.7
2177.7
2120.2
2056.2
1962.5
1840.9
1686.9
1511.5
1336.1
1199.7
1108.8
1022.5
956.6
869.4
794.3
723.7
668.1
624.5
591.1
566.0
533.5
590.1
437.0
346.1
278.4
206.9
85.4
0.0

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