

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: P847088

Luminaire Tested: **GLAN-SB3A-735-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-735-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13216 lumens  
Efficiency: N/A  
Efficacy: 156.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

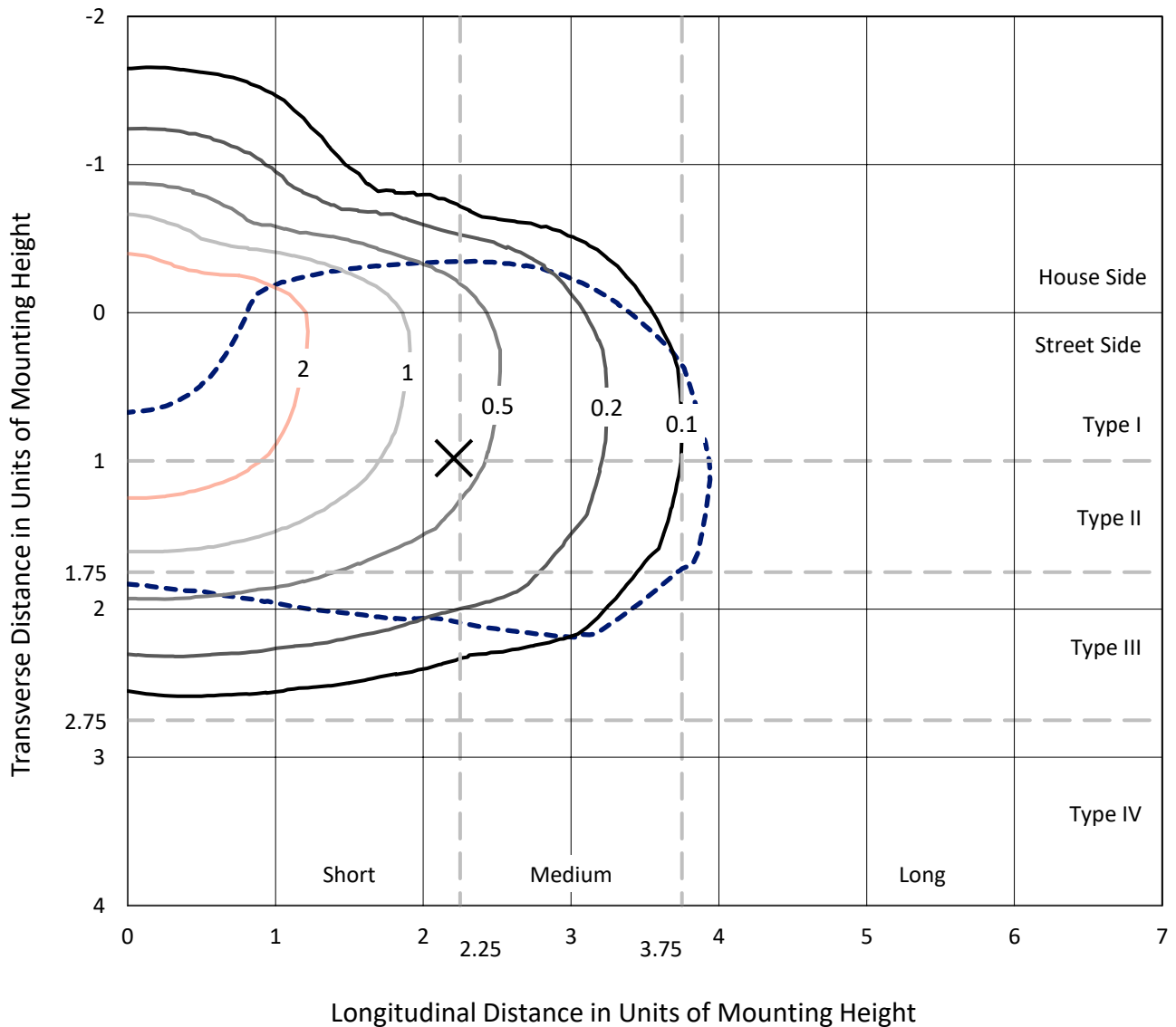
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

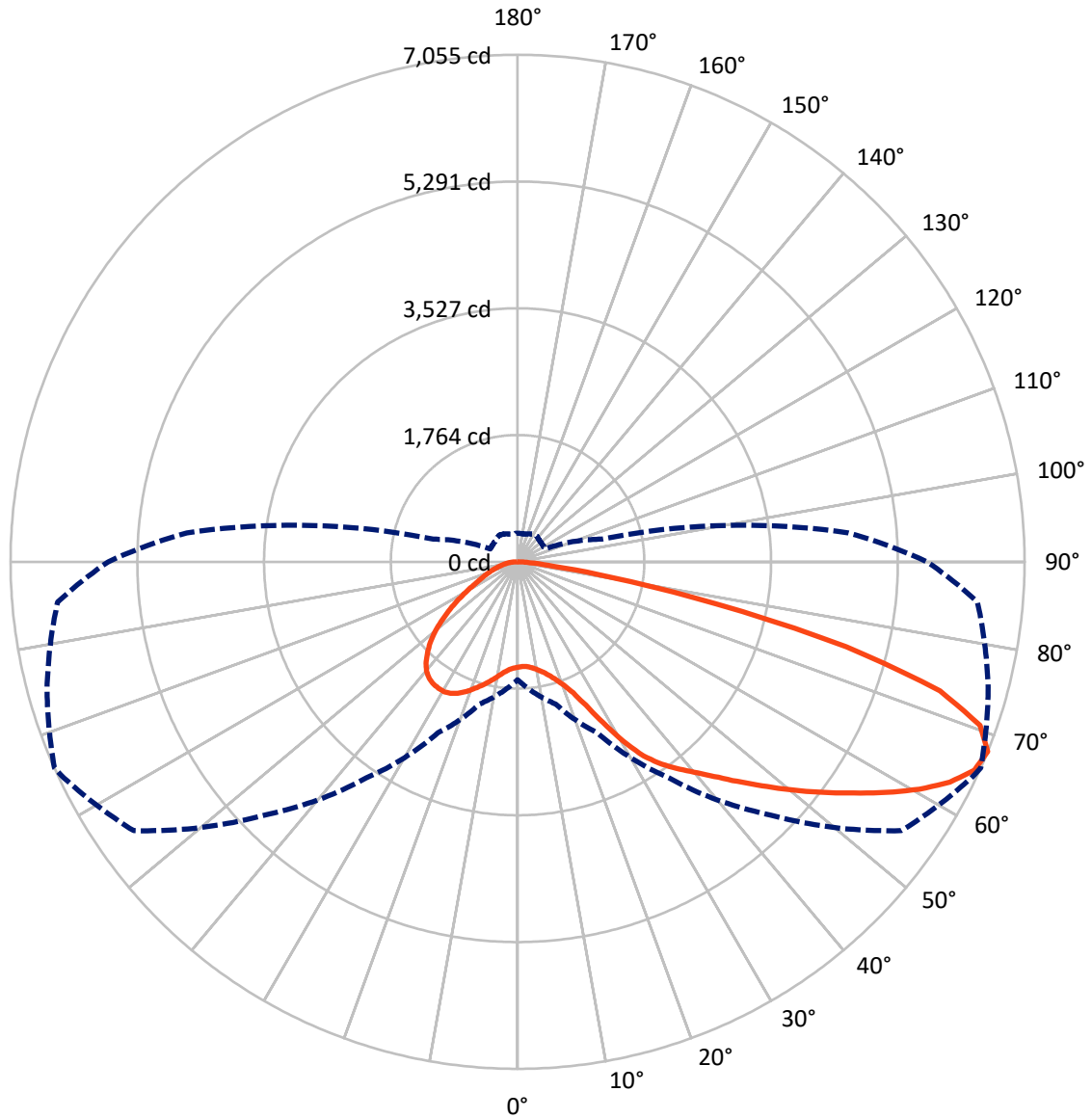
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3286.1	0.0	3286.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	9929.9	0.0	9929.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	13216.0	0.0	13216.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.3	1.1
10°-20°	480.2	3.6
20°-30°	925.5	7.0
30°-40°	1622.7	12.3
40°-50°	2412.4	18.3
50°-60°	3058.0	23.1
60°-70°	2992.1	22.6
70°-80°	1427.3	10.8
80°-90°	152.5	1.2
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°	13216.0	100.0
0°-180°	13216.0	100.0

**Coefficient of Utilization**



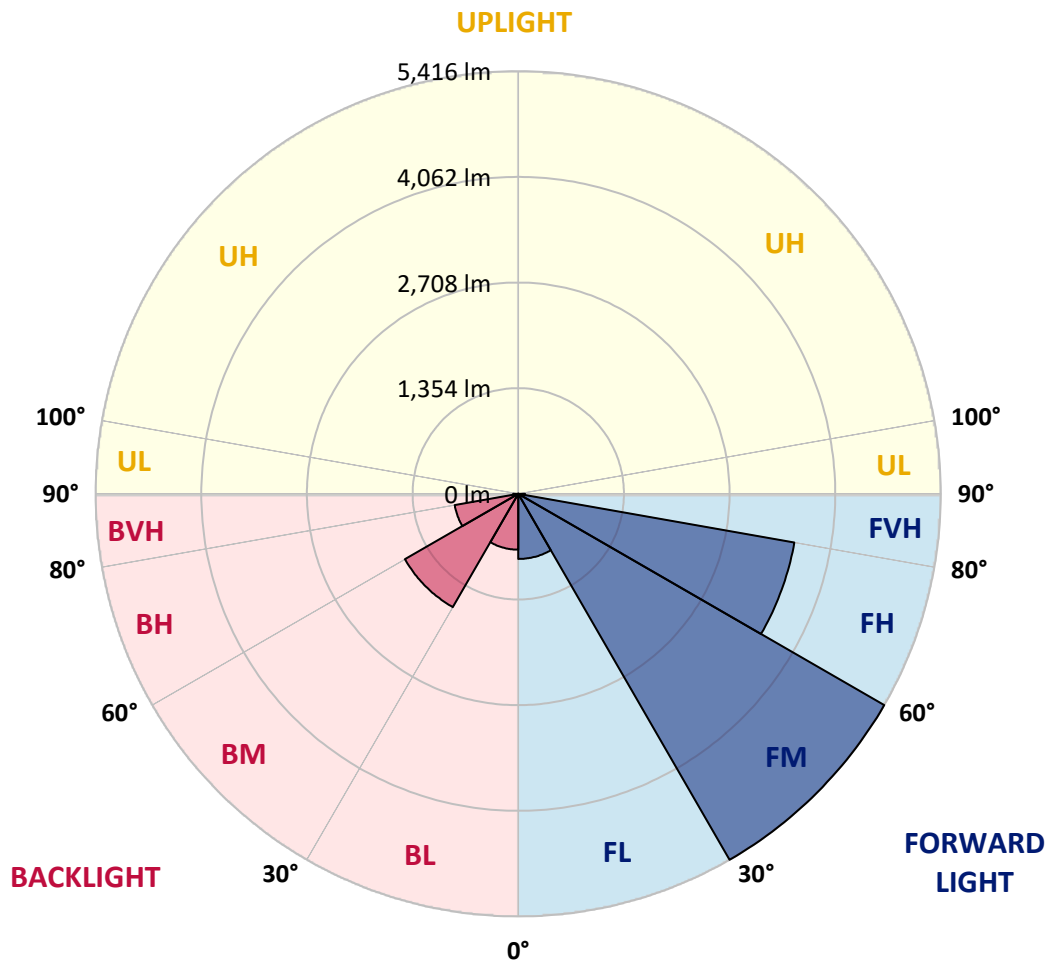
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	835.1	6.3			
FM (30°-60°)	5415.8	41.0			
FH (60°-80°)	3592.5	27.2			G2/5000
FVH (80°-90°)	86.5	0.7			G1/100
BL (0°-30°)	715.8	5.4	B2/1000		
BM (30°-60°)	1677.3	12.7	B2/2500		
BH (60°-80°)	827.0	6.3	B2/1000		G2/1000
BVH (80°-90°)	66.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8
2.5°	1450.6	1458.9	1456.8	1453.3	1452.6	1454.0	1456.1	1458.2	1457.5	1461.0
5°	1446.4	1454.7	1454.0	1454.0	1456.8	1462.4	1465.8	1469.3	1465.8	1470.0
7.5°	1449.2	1455.4	1458.2	1461.0	1467.9	1478.3	1486.7	1494.3	1490.1	1495.0
10°	1484.6	1489.4	1492.2	1492.2	1497.1	1508.9	1517.2	1531.1	1527.6	1535.3
12.5°	1549.2	1554.0	1554.0	1551.2	1554.7	1562.3	1565.1	1580.4	1574.2	1586.7
15°	1628.3	1638.0	1630.4	1625.5	1626.9	1634.6	1633.9	1645.7	1639.4	1649.8
17.5°	1715.8	1728.3	1715.8	1715.1	1712.3	1720.7	1721.4	1731.8	1720.7	1728.3
20°	1819.3	1836.6	1826.2	1829.7	1823.4	1826.9	1830.4	1845.7	1828.3	1833.8
22.5°	1965.1	1985.9	1974.8	1988.0	1983.8	1981.1	1980.4	2007.4	1980.4	1982.4
25°	2177.6	2202.6	2183.1	2201.2	2201.2	2210.2	2220.6	2255.3	2210.2	2197.0
27.5°	2491.4	2516.4	2478.2	2489.3	2485.9	2508.1	2497.0	2583.1	2534.5	2512.9
30°	2869.2	2913.6	2841.4	2838.6	2835.1	2870.6	2886.5	2943.5	2894.2	2872.6
32.5°	3277.5	3324.0	3237.9	3212.9	3199.7	3221.2	3208.0	3253.8	3219.8	3186.5
35°	3709.4	3755.2	3673.3	3624.6	3571.9	3526.7	3479.5	3491.3	3459.4	3408.7
37.5°	4117.7	4201.7	4114.9	4062.8	3965.6	3877.4	3745.5	3690.6	3660.8	3614.2
40°	4533.6	4581.5	4515.5	4471.1	4365.5	4227.4	4016.3	3900.3	3860.0	3814.9
42.5°	4839.8	4885.6	4850.2	4819.7	4737.0	4576.6	4303.7	4158.6	4100.3	4049.6
45°	5082.8	5116.9	5094.6	5105.8	5070.3	4914.8	4601.6	4435.7	4375.3	4313.5
47.5°	5180.7	5216.9	5252.3	5318.2	5378.6	5264.1	4921.7	4735.6	4671.8	4608.6
50°	5169.6	5206.4	5309.2	5449.5	5636.9	5598.8	5259.2	5055.1	4996.0	4923.8
52.5°	5080.8	5122.4	5254.3	5487.7	5786.2	5849.4	5602.9	5384.9	5329.3	5243.2
55°	4847.4	4872.4	5070.3	5400.9	5821.7	6024.4	5939.7	5736.2	5680.7	5560.6
57.5°	4414.8	4451.0	4739.1	5166.9	5732.8	6143.2	6235.5	6105.7	6052.2	5879.3
60°	3850.3	3908.0	4237.8	4773.8	5506.4	6142.5	6504.2	6468.8	6424.4	6193.1
62.5°	3211.5	3278.2	3595.5	4218.3	5110.6	5968.2	6672.3	6772.9	6750.0	6482.7
65°	2466.4	2512.3	2828.2	3499.7	4494.7	5593.9	6691.7	6980.6	6984.7	6702.8
67.5°	1642.2	1774.1	2048.4	2626.1	3669.8	4982.2	6520.9	7014.6	7054.9	6778.5
70°	801.3	974.9	1243.6	1706.8	2626.1	4044.0	6074.4	6735.5	6825.0	6557.7
72.5°	332.6	388.9	535.4	842.3	1507.5	2728.9	5177.3	5978.6	6144.5	5810.5
75°	224.3	243.0	306.2	431.9	686.7	1345.7	3733.7	4457.9	4725.2	4388.5
77.5°	172.9	184.7	222.9	302.1	408.3	509.0	1998.4	2686.5	2824.7	2615.0
80°	136.1	145.1	166.7	220.1	289.6	272.2	681.2	1217.2	1297.1	1088.1
82.5°	118.0	121.5	119.4	149.3	192.3	159.0	223.6	449.3	495.8	359.7
85°	85.4	95.1	99.3	92.4	102.1	80.5	91.7	159.0	175.0	156.2
87.5°	34.7	51.4	63.2	59.7	37.5	22.9	28.5	46.5	53.5	58.3
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°
1465.8	0°	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8
1466.5	2.5°	1467.2	1472.1	1475.6	1479.7	1482.5	1486.7	1495.0	1499.9	1500.5	1504.0
1477.6	5°	1480.4	1487.4	1495.0	1506.1	1518.6	1529.0	1545.0	1556.1	1560.3	1563.7
1504.7	7.5°	1508.9	1518.6	1532.5	1551.9	1570.0	1583.9	1603.3	1616.5	1629.7	1634.6
1547.8	10°	1551.2	1565.1	1585.3	1611.6	1631.1	1649.1	1669.3	1680.4	1693.6	1699.1
1599.1	12.5°	1604.0	1618.6	1645.0	1681.8	1699.8	1712.3	1719.3	1716.5	1719.3	1724.1
1660.9	15°	1664.4	1680.4	1710.2	1749.8	1762.3	1751.2	1735.9	1722.1	1720.0	1721.4
1735.9	17.5°	1735.9	1747.7	1782.5	1815.8	1806.8	1760.9	1727.6	1705.4	1694.3	1690.8
1831.8	20°	1835.9	1835.9	1864.4	1885.2	1824.8	1747.1	1695.0	1658.9	1636.0	1626.2
1962.3	22.5°	1957.4	1946.3	1964.4	1949.8	1821.3	1708.2	1636.0	1573.5	1538.7	1524.9
2144.9	25°	2111.6	2098.4	2093.5	2003.3	1796.4	1646.4	1529.0	1453.3	1422.8	1415.1
2408.1	27.5°	2344.2	2310.9	2247.7	2032.4	1750.5	1549.2	1404.0	1333.9	1316.5	1317.2
2746.3	30°	2653.9	2587.2	2432.4	2037.3	1675.5	1411.7	1276.3	1226.3	1217.9	1221.4
3030.3	32.5°	2940.7	2877.5	2621.3	2015.1	1560.3	1277.0	1161.7	1128.4	1115.9	1120.0
3246.9	35°	3165.7	3148.3	2796.3	1983.8	1418.6	1150.6	1058.9	1030.5	1006.2	1000.6
3451.1	37.5°	3378.1	3371.2	2927.5	1940.1	1278.3	1061.0	976.3	938.8	903.4	883.9
3676.7	40°	3611.5	3604.5	3013.6	1872.7	1154.1	983.2	902.0	852.7	808.9	773.5
3932.3	42.5°	3873.9	3833.0	3054.6	1776.2	1048.5	917.3	841.6	774.9	717.3	684.7
4221.1	45°	4160.7	4068.4	3053.9	1653.3	959.6	856.9	777.0	682.6	629.1	598.6
4517.6	47.5°	4464.8	4293.3	3016.4	1517.2	873.5	790.2	677.0	604.8	569.4	550.6
4839.8	50°	4778.7	4503.7	2952.5	1361.0	785.3	714.5	614.5	565.2	538.1	520.8
5159.2	52.5°	5073.8	4694.7	2875.4	1183.9	695.8	640.9	586.7	548.6	520.1	500.6
5468.9	55°	5348.1	4859.2	2766.4	1002.7	622.9	591.6	573.6	541.6	509.0	486.1
5783.5	57.5°	5591.8	4966.2	2578.2	832.6	570.8	557.6	559.7	529.8	492.3	472.9
6093.2	60°	5794.6	5044.6	2299.8	674.9	528.4	524.3	538.1	507.6	463.8	441.6
6354.9	62.5°	5916.1	5043.3	1958.1	552.7	492.3	493.7	509.7	479.8	435.4	414.5
6491.7	65°	5905.7	4919.7	1583.2	472.9	457.6	459.0	479.8	449.3	411.8	399.3
6423.0	67.5°	5696.7	4618.3	1214.5	420.8	419.4	425.7	450.0	428.4	397.2	395.8
6013.3	70°	5130.7	3992.7	874.9	379.1	379.8	388.9	420.8	415.2	389.5	392.3
5055.8	72.5°	4114.2	3044.1	587.4	335.4	336.1	350.7	393.0	404.8	381.9	418.7
3587.1	75°	2740.0	1898.4	377.7	288.9	289.6	308.3	368.7	384.7	361.1	417.3
1866.5	77.5°	1316.5	853.4	273.6	243.0	243.0	260.4	318.7	344.4	307.6	324.3
599.9	80°	454.8	320.8	215.3	195.8	191.6	203.5	268.7	298.6	265.3	244.4
195.8	82.5°	179.1	166.7	172.9	152.1	138.2	145.8	209.0	246.5	195.1	176.4
110.4	85°	102.8	108.3	122.2	100.7	79.9	89.6	153.5	177.1	147.2	129.8
36.1	87.5°	27.8	38.2	56.2	52.1	36.1	38.2	72.9	97.9	84.7	65.3
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°
1465.8
1503.3
1563.0
1635.3
1701.9
1725.5
1726.2
1695.7
1624.1
1522.8
1416.5
1319.3
1233.2
1125.6
1004.8
884.6
777.0
686.7
597.2
546.5
514.5
492.3
477.0
460.4
431.9
408.3
398.6
397.9
391.6
424.3
420.8
297.2
229.1
175.7
132.6
67.4
0.0

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