

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: P847078

Luminaire Tested: **GLAN-SB3A-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847078
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-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13010 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

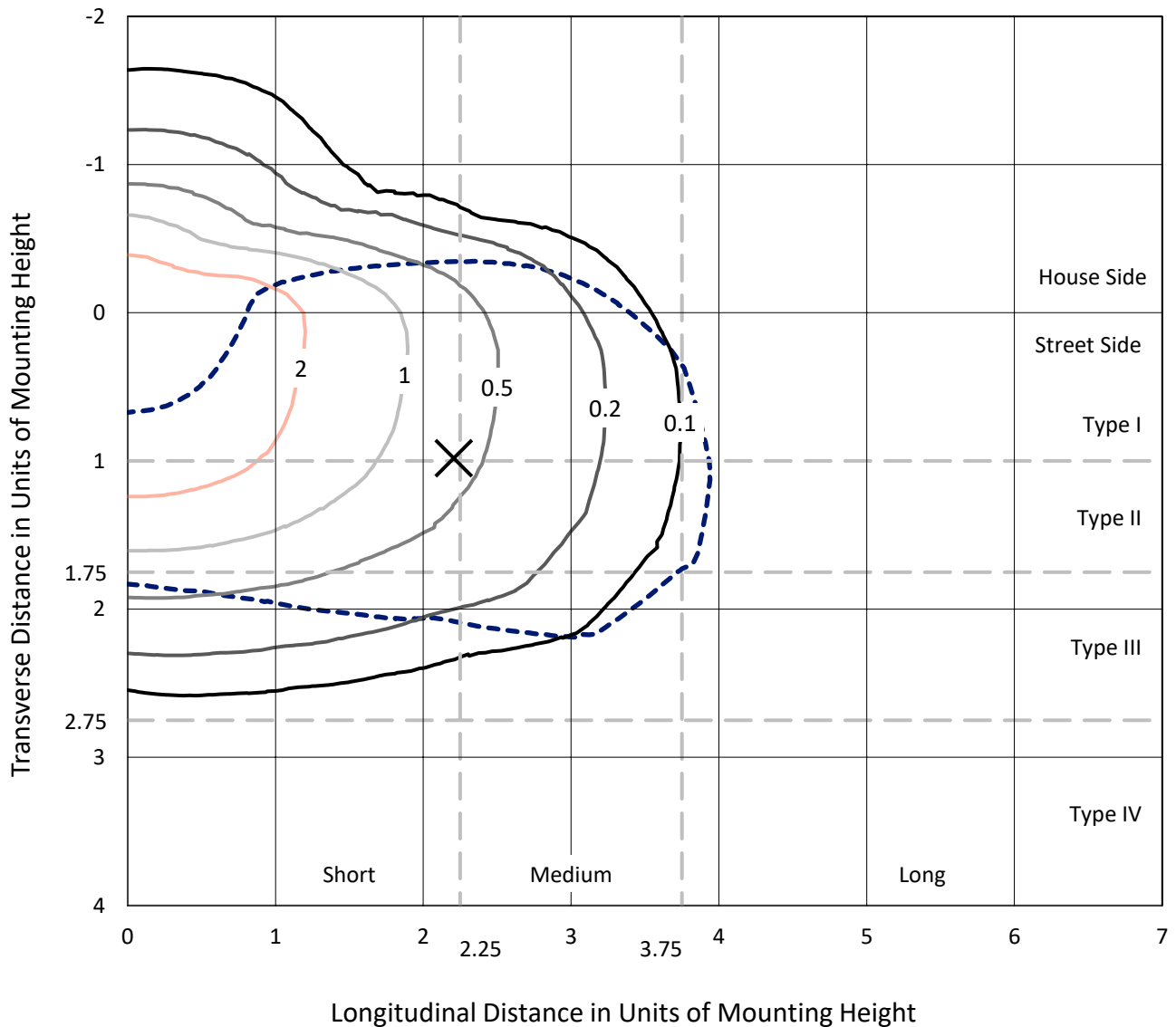
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

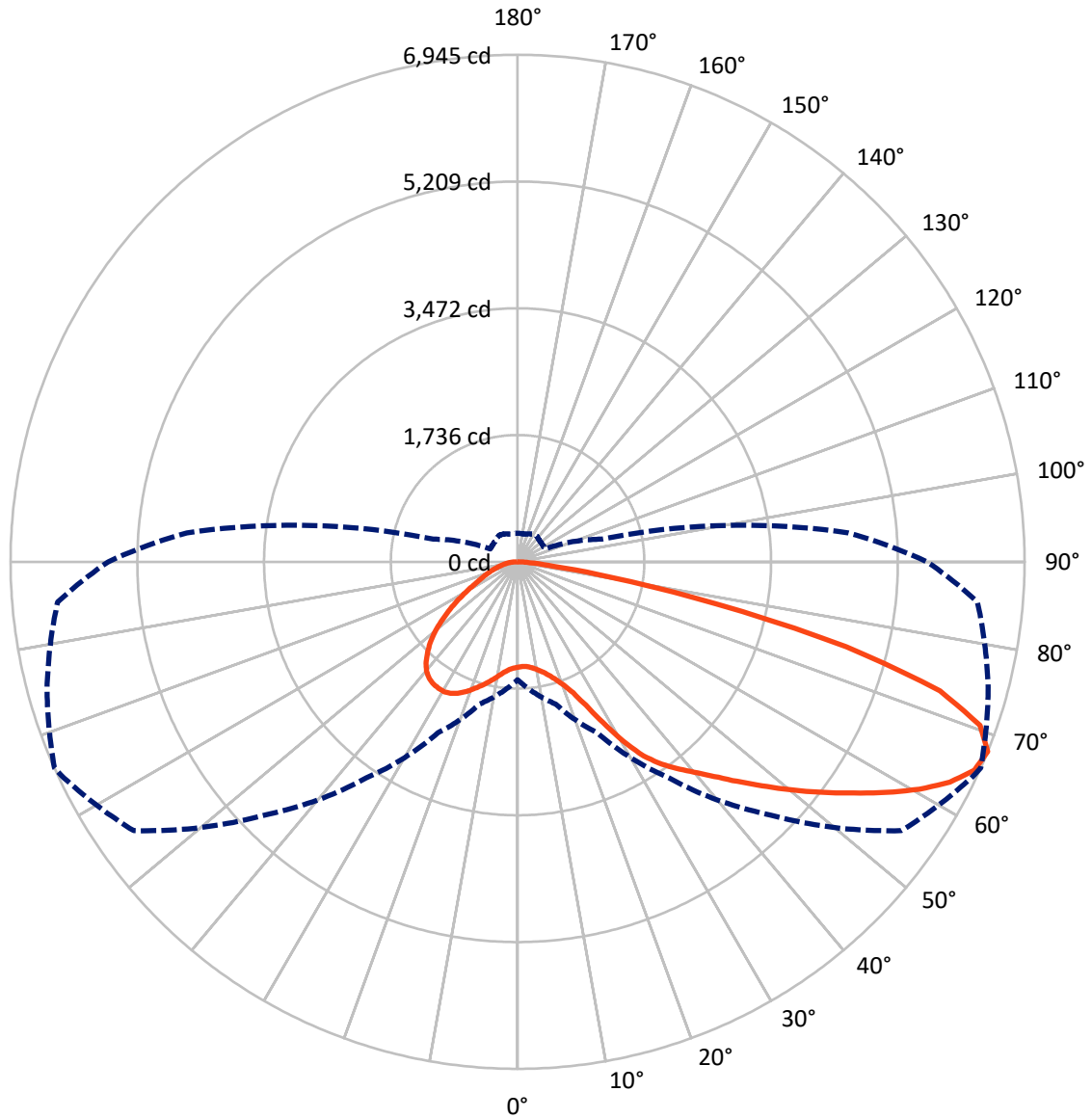
✕ Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	3234.9	0.0	3234.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	9775.1	0.0	9775.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	13010.0	0.0	13010.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.1	1.1
10°-20°	472.7	3.6
20°-30°	911.0	7.0
30°-40°	1597.4	12.3
40°-50°	2374.8	18.3
50°-60°	3010.3	23.1
60°-70°	2945.5	22.6
70°-80°	1405.0	10.8
80°-90°	150.2	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°	13010.0	100.0
0°-180°	13010.0	100.0

Coefficient of Utilization



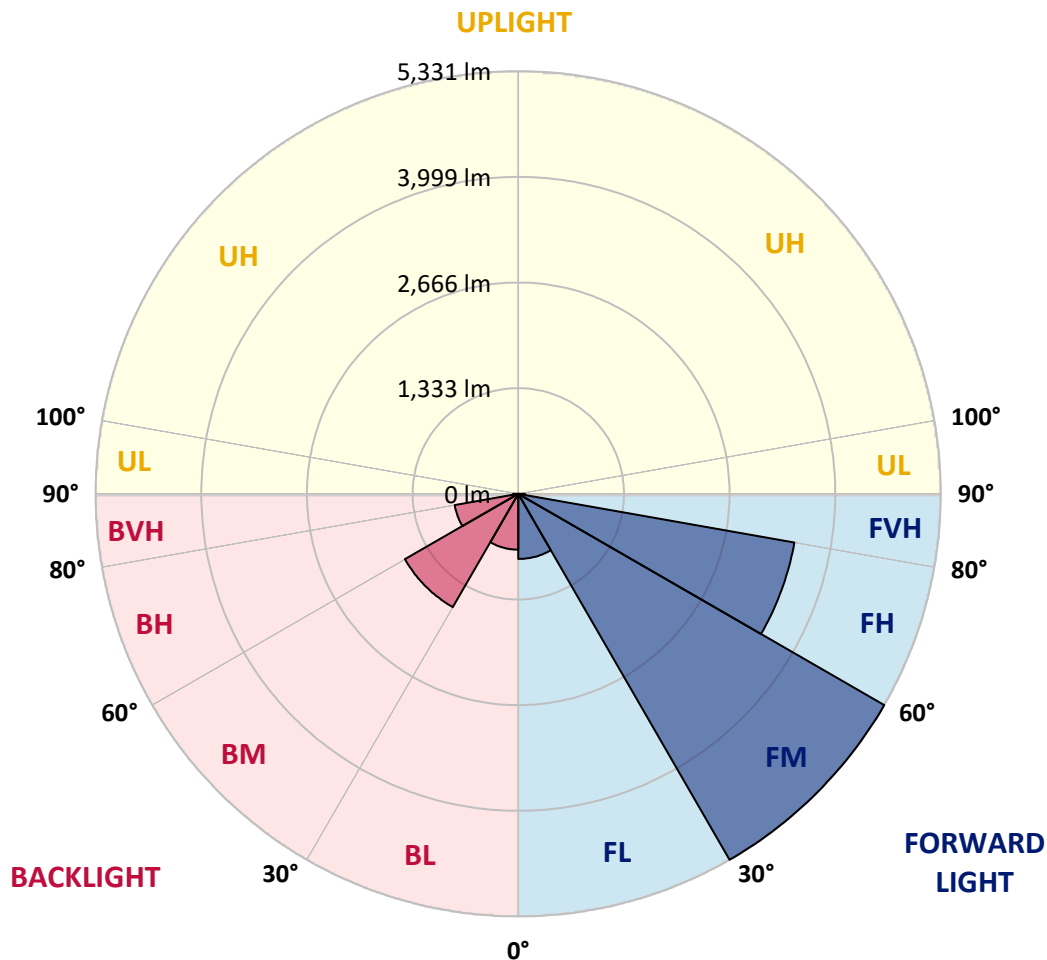
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	822.1	6.3			
FM (30°-60°)	5331.4	41.0			
FH (60°-80°)	3536.5	27.2			G2/5000
FVH (80°-90°)	85.1	0.7			G1/100
BL (0°-30°)	704.7	5.4	B2/1000		
BM (30°-60°)	1651.1	12.7	B2/2500		
BH (60°-80°)	814.1	6.3	B2/1000		G2/1000
BVH (80°-90°)	65.0	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



REPORT NUMBER: P847078
 CATALOG NUMBER: GLAN-SB3A-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0
2.5°	1427.9	1436.1	1434.1	1430.7	1430.0	1431.4	1433.4	1435.5	1434.8	1438.2
5°	1423.8	1432.0	1431.4	1431.4	1434.1	1439.6	1443.0	1446.4	1443.0	1447.1
7.5°	1426.6	1432.7	1435.5	1438.2	1445.0	1455.3	1463.5	1471.0	1466.9	1471.7
10°	1461.4	1466.2	1469.0	1469.0	1473.7	1485.4	1493.6	1507.2	1503.8	1511.3
12.5°	1525.0	1529.8	1529.8	1527.1	1530.5	1538.0	1540.7	1555.8	1549.6	1561.9
15°	1602.9	1612.5	1605.0	1600.2	1601.6	1609.1	1608.4	1620.0	1613.9	1624.1
17.5°	1689.1	1701.4	1689.1	1688.4	1685.6	1693.8	1694.5	1704.8	1693.8	1701.4
20°	1790.9	1808.0	1797.7	1801.2	1795.0	1798.4	1801.8	1816.9	1799.8	1805.3
22.5°	1934.5	1955.0	1944.0	1957.0	1952.9	1950.2	1949.5	1976.2	1949.5	1951.5
25°	2143.6	2168.2	2149.1	2166.9	2166.9	2175.8	2186.0	2220.2	2175.8	2162.8
27.5°	2452.6	2477.2	2439.6	2450.5	2447.1	2469.0	2458.1	2542.8	2495.0	2473.8
30°	2824.4	2868.2	2797.1	2794.4	2790.9	2825.8	2841.5	2897.6	2849.0	2827.9
32.5°	3226.4	3272.2	3187.4	3162.8	3149.8	3171.0	3158.0	3203.1	3169.6	3136.8
35°	3651.5	3696.7	3616.0	3568.1	3516.2	3471.8	3425.3	3436.9	3405.5	3355.6
37.5°	4053.5	4136.2	4050.7	3999.5	3903.8	3817.0	3687.1	3633.1	3603.7	3557.9
40°	4462.9	4510.1	4445.1	4401.4	4297.5	4161.5	3953.7	3839.5	3799.9	3755.4
42.5°	4764.4	4809.5	4774.6	4744.5	4663.2	4505.3	4236.7	4093.8	4036.4	3986.5
45°	5003.6	5037.1	5015.2	5026.2	4991.3	4838.2	4529.9	4366.5	4307.1	4246.2
47.5°	5100.0	5135.5	5170.4	5235.3	5294.8	5182.0	4845.0	4661.8	4598.9	4536.7
50°	5089.1	5125.3	5226.4	5364.5	5549.1	5511.5	5177.2	4976.3	4918.2	4847.1
52.5°	5001.6	5042.6	5172.4	5402.1	5696.0	5758.3	5515.6	5301.0	5246.3	5161.5
55°	4771.9	4796.5	4991.3	5316.7	5730.9	5930.5	5847.1	5646.8	5592.1	5473.9
57.5°	4346.0	4381.6	4665.3	5086.3	5643.4	6047.4	6138.3	6010.5	5957.9	5787.6
60°	3790.3	3847.0	4171.7	4699.4	5420.6	6046.7	6402.8	6368.0	6324.2	6096.6
62.5°	3161.4	3227.1	3539.4	4152.6	5031.0	5875.1	6568.3	6667.4	6644.8	6381.7
65°	2428.0	2473.1	2784.1	3445.1	4424.6	5506.7	6587.4	6871.8	6875.9	6598.3
67.5°	1616.6	1746.5	2016.5	2585.2	3612.6	4904.5	6419.2	6905.3	6944.9	6672.8
70°	788.8	959.7	1224.2	1680.2	2585.2	3981.0	5979.7	6630.5	6718.6	6455.5
72.5°	327.4	382.8	527.0	829.2	1484.0	2686.4	5096.6	5885.4	6048.8	5720.0
75°	220.8	239.2	301.4	425.2	676.0	1324.7	3675.5	4388.4	4651.6	4320.1
77.5°	170.2	181.8	219.4	297.3	401.9	501.0	1967.3	2644.7	2780.7	2574.3
80°	134.0	142.9	164.1	216.7	285.0	268.0	670.6	1198.3	1276.9	1071.1
82.5°	116.2	119.6	117.6	147.0	189.3	156.5	220.1	442.3	488.1	354.1
85°	84.1	93.6	97.7	90.9	100.5	79.3	90.2	156.5	172.3	153.8
87.5°	34.2	50.6	62.2	58.8	36.9	22.6	28.0	45.8	52.6	57.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847078
 CATALOG NUMBER: GLAN-SB3A-730-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1443.0	0°	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0
1443.7	2.5°	1444.3	1449.1	1452.6	1456.7	1459.4	1463.5	1471.7	1476.5	1477.2	1480.6
1454.6	5°	1457.3	1464.2	1471.7	1482.6	1494.9	1505.2	1520.9	1531.8	1535.9	1539.4
1481.3	7.5°	1485.4	1494.9	1508.6	1527.7	1545.5	1559.2	1578.3	1591.3	1604.3	1609.1
1523.6	10°	1527.1	1540.7	1560.6	1586.5	1605.7	1623.4	1643.3	1654.2	1667.2	1672.7
1574.2	12.5°	1579.0	1593.4	1619.3	1655.6	1673.3	1685.6	1692.5	1689.7	1692.5	1697.3
1635.1	15°	1638.5	1654.2	1683.6	1722.6	1734.9	1723.9	1708.9	1695.2	1693.2	1694.5
1708.9	17.5°	1708.9	1720.5	1754.7	1787.5	1778.6	1733.5	1700.7	1678.8	1667.9	1664.5
1803.2	20°	1807.3	1807.3	1835.3	1855.8	1796.4	1719.8	1668.6	1633.0	1610.5	1600.9
1931.7	22.5°	1926.9	1916.0	1933.8	1919.4	1793.0	1681.5	1610.5	1548.9	1514.8	1501.1
2111.5	25°	2078.7	2065.7	2060.9	1972.1	1768.4	1620.7	1505.2	1430.7	1400.6	1393.1
2370.6	27.5°	2307.7	2274.9	2212.7	2000.8	1723.2	1525.0	1382.1	1313.1	1296.0	1296.7
2703.5	30°	2612.5	2546.9	2394.5	2005.5	1649.4	1389.7	1256.4	1207.2	1199.0	1202.4
2983.0	32.5°	2894.8	2832.6	2580.4	1983.7	1535.9	1257.1	1143.6	1110.8	1098.5	1102.6
3196.3	35°	3116.3	3099.2	2752.7	1952.9	1396.5	1132.6	1042.4	1014.4	990.5	985.0
3397.3	37.5°	3325.5	3318.7	2881.9	1909.8	1258.4	1044.5	961.1	924.2	889.3	870.2
3619.4	40°	3555.2	3548.3	2966.6	1843.5	1136.1	967.9	887.9	839.4	796.3	761.5
3871.0	42.5°	3813.5	3773.2	3007.0	1748.5	1032.2	903.0	828.5	762.8	706.1	674.0
4155.3	45°	4095.9	4004.9	3006.3	1627.5	944.7	843.5	764.9	671.9	619.3	589.2
4447.2	47.5°	4395.2	4226.4	2969.4	1493.6	859.9	777.9	666.5	595.4	560.5	542.1
4764.4	50°	4704.2	4433.5	2906.5	1339.8	773.1	703.4	604.9	556.4	529.8	512.7
5078.8	52.5°	4994.7	4621.5	2830.6	1165.5	684.9	630.9	577.6	540.0	512.0	492.8
5383.7	55°	5264.7	4783.5	2723.3	987.1	613.1	582.4	564.6	533.2	501.0	478.5
5693.3	57.5°	5504.7	4888.8	2538.0	819.6	561.9	548.9	550.9	521.6	484.6	465.5
5998.2	60°	5704.3	4966.0	2263.9	664.4	520.2	516.1	529.8	499.7	456.6	434.7
6255.9	62.5°	5823.9	4964.6	1927.6	544.1	484.6	486.0	501.7	472.3	428.6	408.1
6390.5	65°	5813.6	4843.0	1558.5	465.5	450.5	451.8	472.3	442.3	405.3	393.0
6322.9	67.5°	5607.9	4546.3	1195.5	414.2	412.9	419.0	442.9	421.8	391.0	389.6
5919.6	70°	5050.8	3930.4	861.3	373.2	373.9	382.8	414.2	408.8	383.5	386.2
4977.0	72.5°	4050.1	2996.7	578.3	330.2	330.8	345.2	386.9	398.5	376.0	412.2
3531.2	75°	2697.3	1868.8	371.9	284.4	285.0	303.5	363.0	378.7	355.4	410.8
1837.4	77.5°	1296.0	840.1	269.3	239.2	239.2	256.3	313.8	339.0	302.8	319.2
590.6	80°	447.7	315.8	211.9	192.8	188.7	200.3	264.5	293.9	261.1	240.6
192.8	82.5°	176.4	164.1	170.2	149.7	136.0	143.5	205.7	242.7	192.1	173.6
108.7	85°	101.2	106.6	120.3	99.1	78.6	88.2	151.1	174.3	144.9	127.8
35.5	87.5°	27.3	37.6	55.4	51.3	35.5	37.6	71.8	96.4	83.4	64.3
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°
1443.0
1479.9
1538.7
1609.8
1675.4
1698.6
1699.3
1669.2
1598.8
1499.0
1394.4
1298.8
1214.0
1108.0
989.1
870.8
764.9
676.0
587.9
538.0
506.5
484.6
469.6
453.2
425.2
401.9
392.4
391.7
385.5
417.7
414.2
292.6
225.6
172.9
130.6
66.3
0.0

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