

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: P847008

Luminaire Tested: **GLAN-SB2D-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847008
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-SB2D-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13114 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

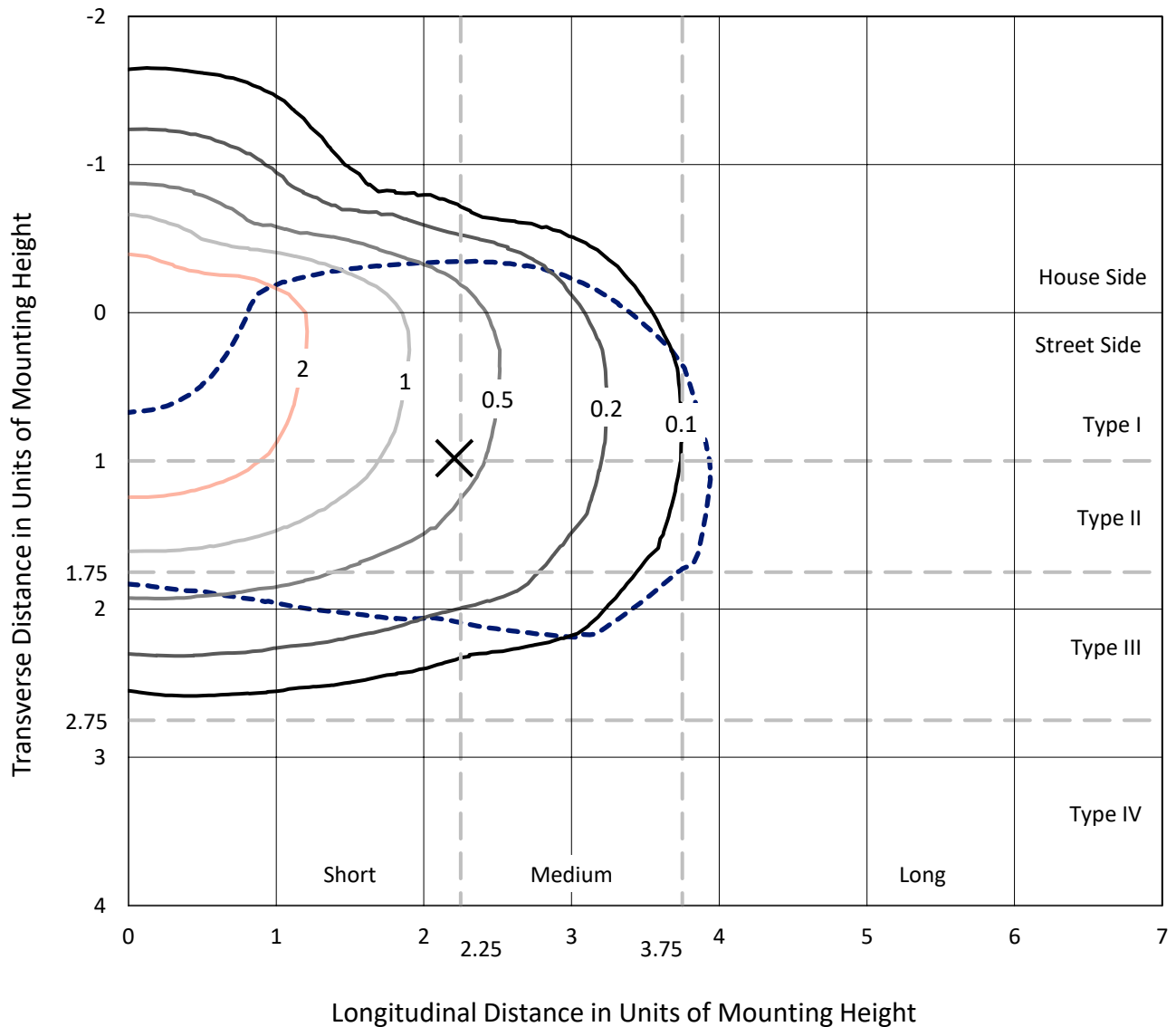
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

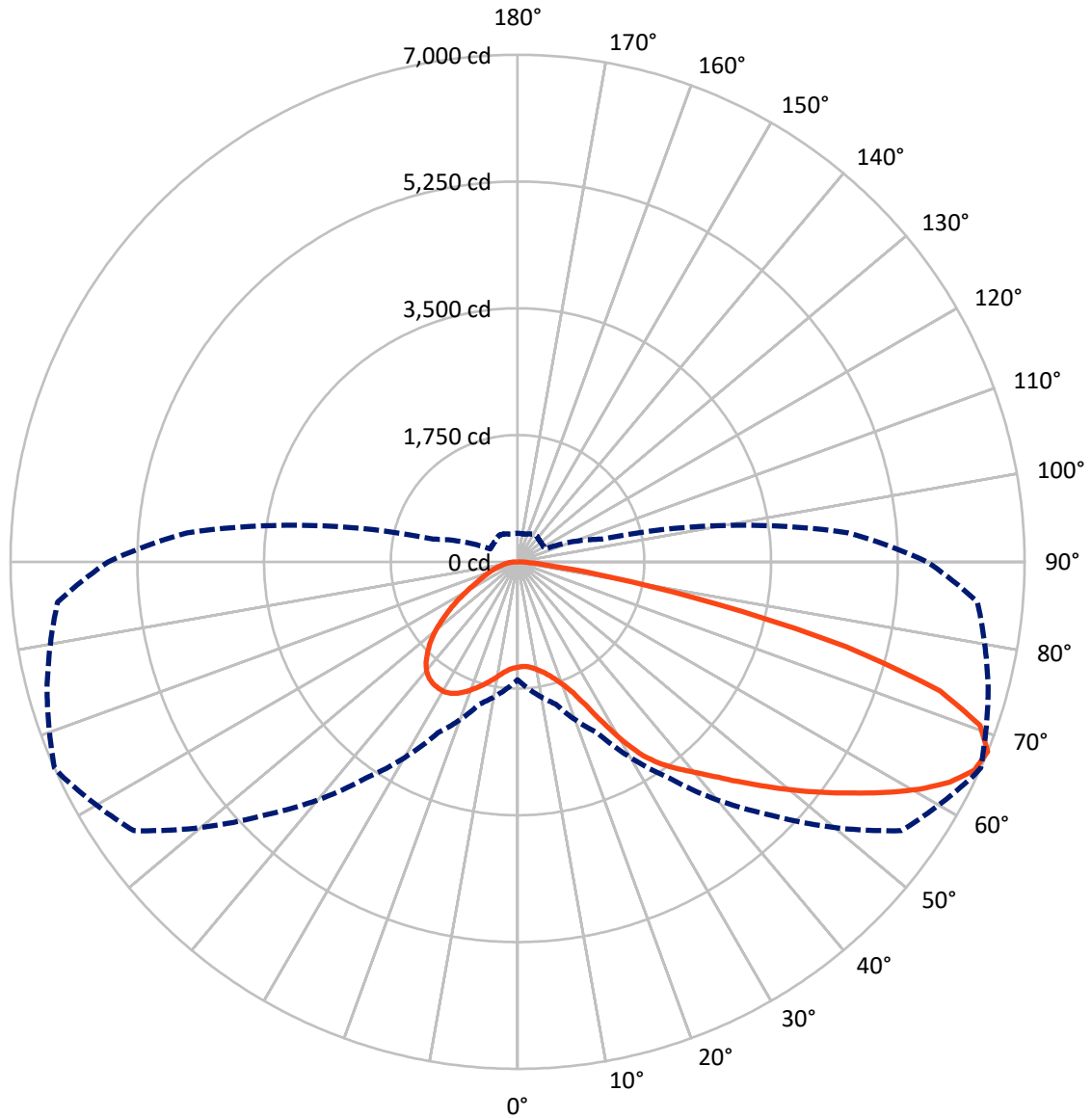
✕ Max cd
 - - - 1/2 Max cd



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	3260.8	0.0	3260.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	9853.2	0.0	9853.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	13114.0	0.0	13114.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	1.1
10°-20°	476.4	3.6
20°-30°	918.3	7.0
30°-40°	1610.2	12.3
40°-50°	2393.8	18.3
50°-60°	3034.4	23.1
60°-70°	2969.1	22.6
70°-80°	1416.3	10.8
80°-90°	151.4	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°	13114.0	100.0
0°-180°	13114.0	100.0

Coefficient of Utilization



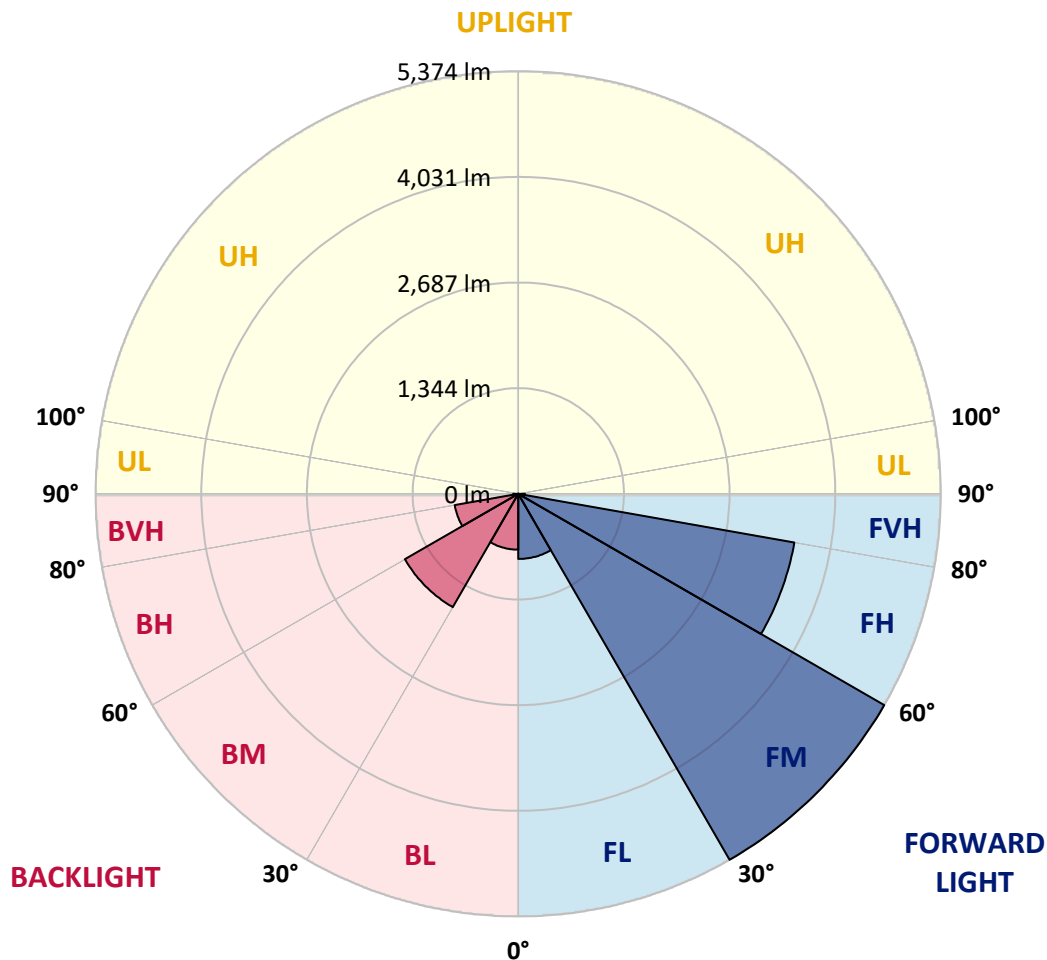
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	828.7	6.3			
FM (30°-60°)	5374.0	41.0			
FH (60°-80°)	3564.7	27.2			G2/5000
FVH (80°-90°)	85.8	0.7			G1/100
BL (0°-30°)	710.3	5.4	B2/1000		
BM (30°-60°)	1664.3	12.7	B2/2500		
BH (60°-80°)	820.6	6.3	B2/1000		G2/1000
BVH (80°-90°)	65.5	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°	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5
2.5°	1439.4	1447.6	1445.6	1442.1	1441.4	1442.8	1444.9	1446.9	1446.2	1449.7
5°	1435.2	1443.5	1442.8	1442.8	1445.6	1451.1	1454.5	1458.0	1454.5	1458.7
7.5°	1438.0	1444.2	1446.9	1449.7	1456.6	1466.9	1475.2	1482.8	1478.6	1483.5
10°	1473.1	1477.9	1480.7	1480.7	1485.5	1497.2	1505.5	1519.3	1515.8	1523.4
12.5°	1537.2	1542.0	1542.0	1539.3	1542.7	1550.3	1553.0	1568.2	1562.0	1574.4
15°	1615.7	1625.4	1617.8	1613.0	1614.4	1621.9	1621.3	1633.0	1626.8	1637.1
17.5°	1702.6	1715.0	1702.6	1701.9	1699.1	1707.4	1708.1	1718.4	1707.4	1715.0
20°	1805.2	1822.5	1812.1	1815.6	1809.4	1812.8	1816.3	1831.4	1814.2	1819.7
22.5°	1949.9	1970.6	1959.6	1972.7	1968.5	1965.8	1965.1	1991.9	1965.1	1967.1
25°	2160.8	2185.6	2166.3	2184.2	2184.2	2193.1	2203.5	2237.9	2193.1	2180.1
27.5°	2472.2	2497.0	2459.1	2470.1	2466.7	2488.7	2477.7	2563.1	2514.9	2493.6
30°	2847.0	2891.1	2819.5	2816.7	2813.3	2848.4	2864.2	2920.7	2871.8	2850.5
32.5°	3252.2	3298.3	3212.9	3188.1	3175.0	3196.4	3183.3	3228.7	3195.0	3161.9
35°	3680.7	3726.2	3644.9	3596.7	3544.3	3499.5	3452.7	3464.4	3432.7	3382.4
37.5°	4085.9	4169.2	4083.1	4031.4	3935.0	3847.5	3716.6	3662.1	3632.5	3586.3
40°	4498.6	4546.1	4480.7	4436.6	4331.9	4194.7	3985.3	3870.2	3830.2	3785.5
42.5°	4802.5	4847.9	4812.8	4782.5	4700.5	4541.3	4270.5	4126.5	4068.6	4018.3
45°	5043.6	5077.4	5055.3	5066.3	5031.2	4876.9	4566.1	4401.4	4341.5	4280.2
47.5°	5140.8	5176.6	5211.7	5277.2	5337.1	5223.4	4883.8	4699.1	4635.7	4573.0
50°	5129.7	5166.3	5268.2	5407.4	5593.4	5555.5	5218.6	5016.0	4957.5	4885.8
52.5°	5041.5	5082.9	5213.8	5445.3	5741.6	5804.3	5559.7	5343.3	5288.2	5202.8
55°	4810.0	4834.8	5031.2	5359.2	5776.7	5977.9	5893.9	5692.0	5636.9	5517.7
57.5°	4380.8	4416.6	4702.5	5127.0	5688.5	6095.7	6187.4	6058.5	6005.5	5833.9
60°	3820.6	3877.8	4205.1	4737.0	5463.9	6095.0	6454.0	6418.9	6374.8	6145.3
62.5°	3186.7	3252.9	3567.7	4185.8	5071.2	5922.1	6620.8	6720.7	6697.9	6432.7
65°	2447.4	2492.9	2806.4	3472.6	4460.0	5550.7	6640.1	6926.7	6930.8	6651.1
67.5°	1629.5	1760.4	2032.6	2605.9	3641.5	4943.7	6470.6	6960.5	7000.4	6726.2
70°	795.1	967.4	1234.0	1693.6	2605.9	4012.8	6027.5	6683.5	6772.4	6507.1
72.5°	330.0	385.8	531.2	835.8	1495.9	2707.8	5137.3	5932.4	6097.1	5765.7
75°	222.6	241.2	303.9	428.6	681.4	1335.3	3704.8	4423.5	4688.8	4354.6
77.5°	171.6	183.3	221.2	299.7	405.1	505.0	1983.0	2665.8	2802.9	2594.8
80°	135.0	144.0	165.4	218.4	287.3	270.1	675.9	1207.8	1287.1	1079.7
82.5°	117.1	120.6	118.5	148.1	190.9	157.8	221.9	445.8	492.0	356.9
85°	84.7	94.4	98.5	91.6	101.3	79.9	91.0	157.8	173.6	155.0
87.5°	34.5	51.0	62.7	59.3	37.2	22.7	28.2	46.2	53.1	57.9
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°
1454.5	0°	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5
1455.2	2.5°	1455.9	1460.7	1464.2	1468.3	1471.1	1475.2	1483.5	1488.3	1489.0	1492.4
1466.2	5°	1469.0	1475.9	1483.5	1494.5	1506.9	1517.2	1533.1	1544.1	1548.2	1551.7
1493.1	7.5°	1497.2	1506.9	1520.7	1540.0	1557.9	1571.6	1590.9	1604.0	1617.1	1621.9
1535.8	10°	1539.3	1553.0	1573.0	1599.2	1618.5	1636.4	1656.4	1667.4	1680.5	1686.0
1586.8	12.5°	1591.6	1606.1	1632.3	1668.8	1686.7	1699.1	1706.0	1703.3	1706.0	1710.8
1648.1	15°	1651.6	1667.4	1697.1	1736.3	1748.7	1737.7	1722.5	1708.8	1706.7	1708.1
1722.5	17.5°	1722.5	1734.3	1768.7	1801.8	1792.8	1747.3	1714.3	1692.2	1681.2	1677.8
1817.6	20°	1821.8	1821.8	1850.0	1870.7	1810.7	1733.6	1681.9	1646.1	1623.3	1613.7
1947.2	22.5°	1942.3	1931.3	1949.2	1934.8	1807.3	1695.0	1623.3	1561.3	1526.9	1513.1
2128.4	25°	2095.3	2082.2	2077.4	1987.8	1782.5	1633.7	1517.2	1442.1	1411.8	1404.2
2389.5	27.5°	2326.1	2293.1	2230.3	2016.8	1737.0	1537.2	1393.2	1323.6	1306.4	1307.1
2725.1	30°	2633.4	2567.3	2413.6	2021.6	1662.6	1400.8	1266.4	1216.8	1208.5	1212.0
3006.9	32.5°	2918.0	2855.3	2601.0	1999.5	1548.2	1267.1	1152.7	1119.7	1107.3	1111.4
3221.8	35°	3141.2	3124.0	2774.7	1968.5	1407.7	1141.7	1050.8	1022.5	998.4	992.9
3424.4	37.5°	3352.1	3345.2	2904.9	1925.1	1268.5	1052.8	968.8	931.6	896.4	877.1
3648.3	40°	3583.6	3576.7	2990.3	1858.3	1145.1	975.6	895.0	846.1	802.7	767.6
3901.9	42.5°	3844.0	3803.4	3031.0	1762.5	1040.4	910.2	835.1	768.9	711.8	679.4
4188.5	45°	4128.6	4037.0	3030.3	1640.6	952.2	850.2	771.0	677.3	624.2	593.9
4482.7	47.5°	4430.4	4260.2	2993.1	1505.5	866.8	784.1	671.8	600.1	565.0	546.4
4802.5	50°	4741.8	4469.0	2929.7	1350.5	779.3	709.0	609.8	560.9	534.0	516.8
5119.4	52.5°	5034.7	4658.4	2853.2	1174.8	690.4	636.0	582.2	544.3	516.1	496.8
5426.7	55°	5306.8	4821.7	2745.0	994.9	618.0	587.0	569.1	537.4	505.0	482.3
5738.8	57.5°	5548.7	4927.9	2558.3	826.1	566.4	553.3	555.3	525.7	488.5	469.2
6046.1	60°	5749.9	5005.7	2282.0	669.7	524.3	520.2	534.0	503.7	460.3	438.2
6305.9	62.5°	5870.4	5004.3	1943.0	548.5	488.5	489.9	505.7	476.1	432.0	411.3
6441.6	65°	5860.1	4881.7	1571.0	469.2	454.1	455.4	476.1	445.8	408.6	396.2
6373.4	67.5°	5652.7	4582.7	1205.1	417.5	416.2	422.4	446.5	425.1	394.1	392.7
5966.9	70°	5091.2	3961.9	868.2	376.2	376.9	385.8	417.5	412.0	386.5	389.3
5016.7	72.5°	4082.4	3020.7	582.9	332.8	333.5	348.0	390.0	401.7	379.0	415.5
3559.5	75°	2718.9	1883.8	374.8	286.6	287.3	305.9	365.9	381.7	358.3	414.1
1852.1	77.5°	1306.4	846.8	271.5	241.2	241.2	258.4	316.3	341.8	305.2	321.8
595.3	80°	451.3	318.3	213.6	194.3	190.2	201.9	266.6	296.3	263.2	242.5
194.3	82.5°	177.8	165.4	171.6	150.9	137.1	144.7	207.4	244.6	193.6	175.0
109.6	85°	102.0	107.5	121.3	99.9	79.2	88.9	152.3	175.7	146.1	128.8
35.8	87.5°	27.6	37.9	55.8	51.7	35.8	37.9	72.3	97.2	84.1	64.8
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°
1454.5
1491.7
1551.0
1622.6
1688.8
1712.2
1712.9
1682.6
1611.6
1511.0
1405.6
1309.1
1223.7
1116.9
997.0
877.8
771.0
681.4
592.6
542.3
510.6
488.5
473.4
456.8
428.6
405.1
395.5
394.8
388.6
421.0
417.5
294.9
227.4
174.3
131.6
66.8
0.0

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