

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: P847856

Luminaire Tested: **GLAN-SB4A-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11471 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

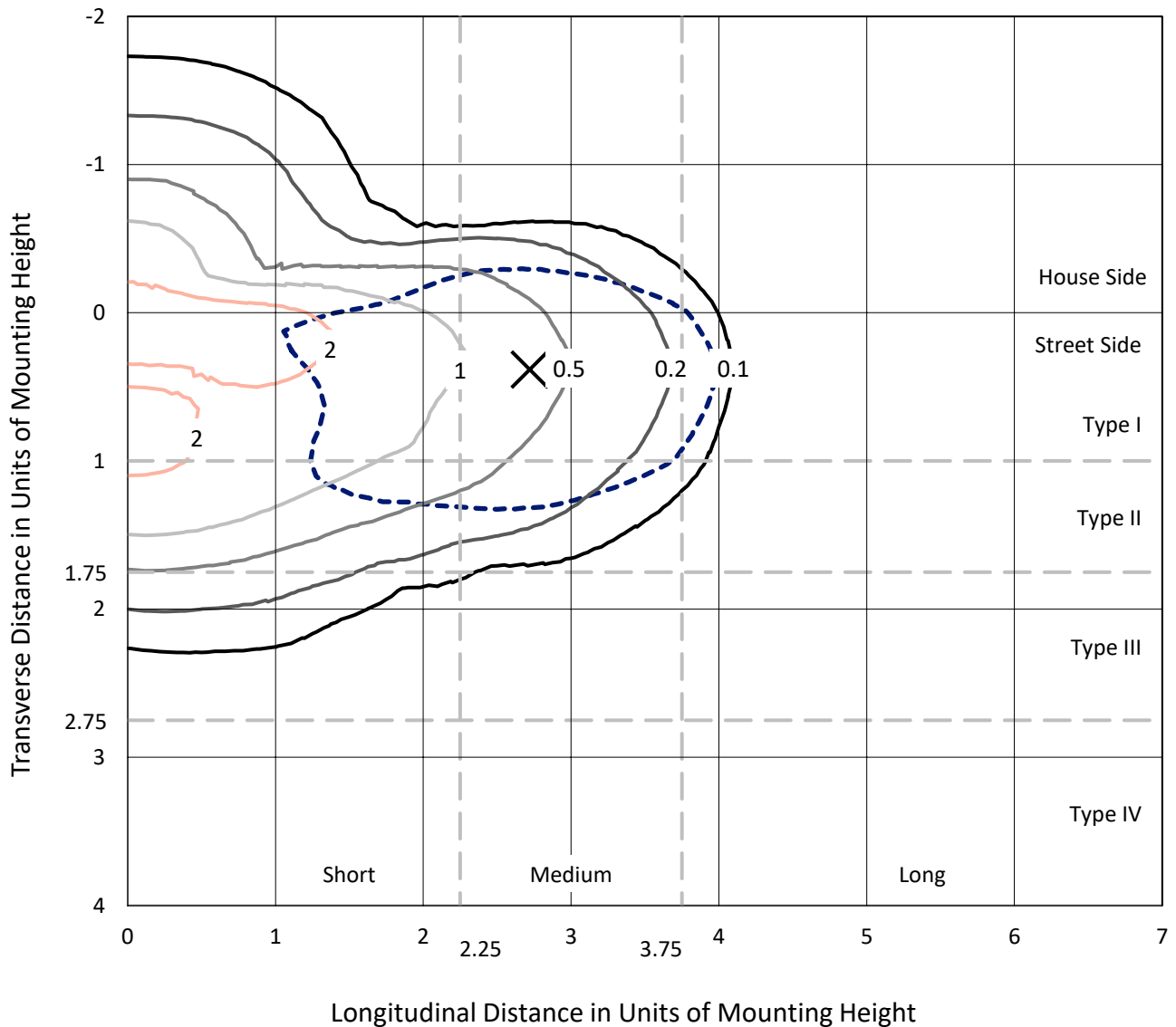
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

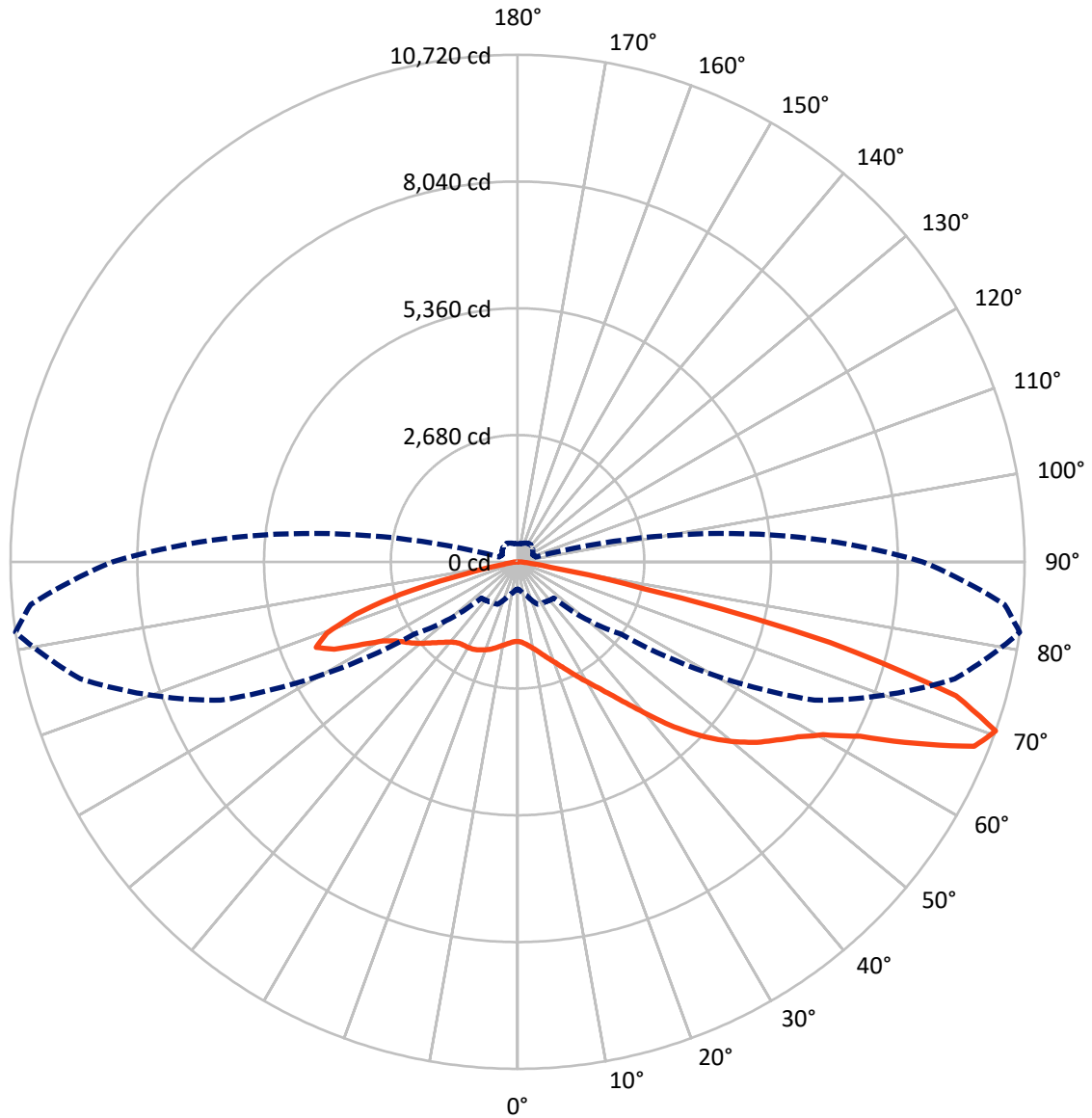
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2827.9	0.0	2827.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	8643.1	0.0	8643.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	11471.0	0.0	11471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.8	1.4
10°-20°	456.2	4.0
20°-30°	763.2	6.7
30°-40°	1192.3	10.4
40°-50°	1898.9	16.6
50°-60°	2642.6	23.0
60°-70°	2764.2	24.1
70°-80°	1444.7	12.6
80°-90°	150.0	1.3
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°	11471.0	100.0
0°-180°	11471.0	100.0

Coefficient of Utilization

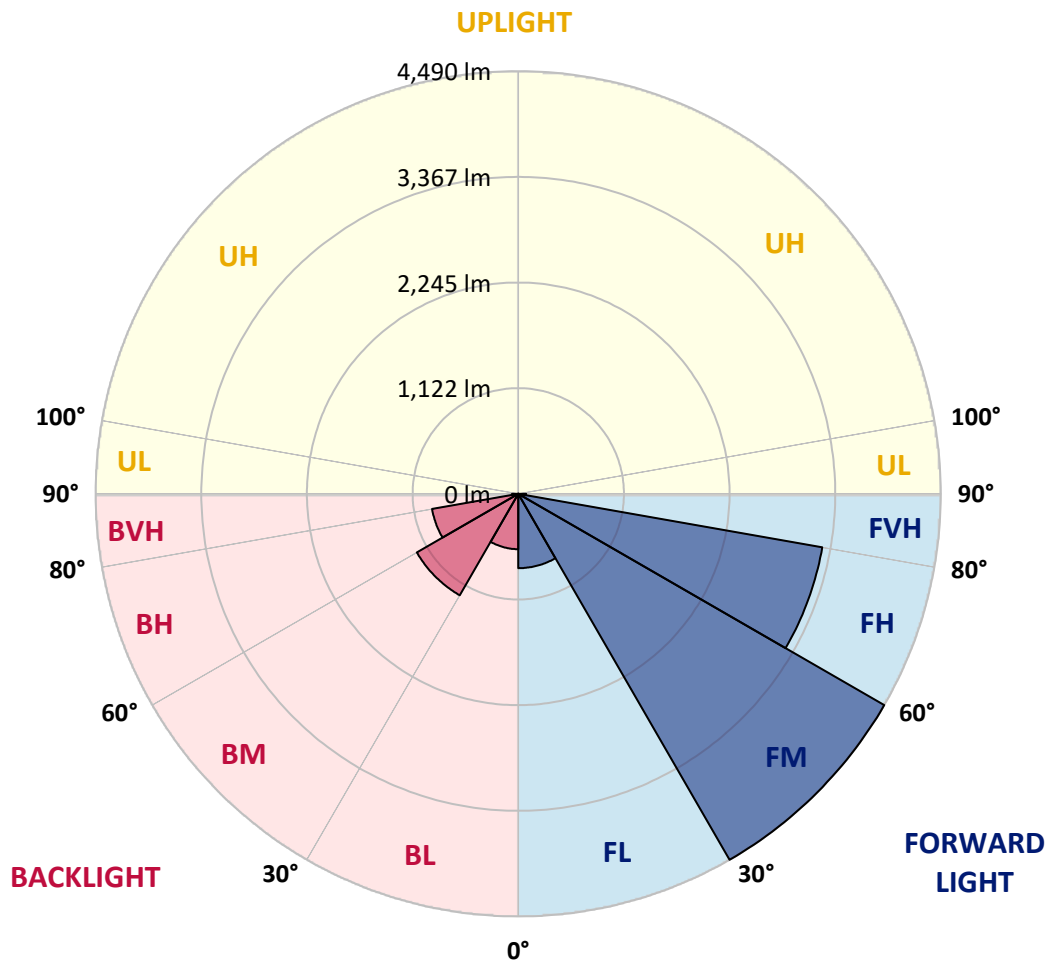


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	789.9	6.9			
FM (30°-60°)	4489.6	39.1			
FH (60°-80°)	3279.6	28.6			G2/5000
FVH (80°-90°)	84.0	0.7			G1/100
BL (0°-30°)	588.3	5.1	B2/1000		
BM (30°-60°)	1244.2	10.8	B2/2500		
BH (60°-80°)	929.4	8.1	B2/1000		G2/1000
BVH (80°-90°)	66.0	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8
2.5°	1722.0	1731.7	1728.7	1725.6	1725.6	1721.4	1720.7	1714.7	1709.8	1701.9
5°	1743.9	1754.2	1753.0	1755.4	1763.4	1765.2	1767.0	1763.4	1753.6	1743.9
7.5°	1724.4	1736.0	1739.6	1754.2	1778.6	1800.5	1816.9	1823.6	1814.5	1800.5
10°	1658.7	1671.4	1684.2	1718.9	1762.1	1813.9	1857.7	1883.9	1882.0	1868.7
12.5°	1525.4	1538.8	1566.1	1633.7	1712.8	1804.1	1885.7	1940.5	1959.4	1949.6
15°	1418.8	1430.4	1451.1	1520.5	1623.4	1762.1	1896.0	2002.6	2050.7	2045.2
17.5°	1415.8	1420.7	1433.4	1466.3	1545.4	1696.4	1885.1	2063.4	2155.3	2154.7
20°	1469.4	1471.2	1478.5	1485.2	1530.2	1646.5	1857.1	2114.0	2272.8	2272.8
22.5°	1543.6	1542.4	1549.7	1543.6	1565.5	1642.2	1839.4	2158.4	2403.7	2413.4
25°	1655.0	1648.9	1647.1	1633.1	1637.4	1681.8	1858.9	2208.9	2558.9	2579.0
27.5°	1803.5	1793.8	1787.1	1754.8	1743.9	1763.4	1918.6	2269.8	2731.8	2766.5
30°	1997.1	1979.4	1969.7	1913.7	1874.1	1877.2	2008.7	2350.7	2912.5	2968.5
32.5°	2261.3	2233.9	2207.7	2115.8	2043.3	2019.6	2124.9	2462.7	3108.5	3198.0
35°	2557.1	2535.2	2507.2	2365.3	2254.0	2199.2	2282.0	2619.2	3338.0	3479.8
37.5°	2841.9	2823.1	2836.5	2645.3	2501.7	2422.0	2487.7	2829.2	3621.1	3830.4
40°	3136.5	3121.9	3123.8	2941.2	2773.8	2684.3	2737.2	3092.7	3945.5	4247.4
42.5°	3456.7	3445.8	3409.2	3247.3	3059.2	2975.9	3024.5	3397.1	4293.7	4722.2
45°	3815.2	3808.5	3774.4	3588.8	3373.3	3279.6	3345.3	3733.1	4643.6	5168.9
47.5°	4125.0	4130.5	4126.3	3969.8	3746.4	3608.9	3687.4	4083.7	4969.3	5588.9
50°	4274.2	4302.8	4344.8	4296.1	4157.3	4017.3	4032.5	4422.1	5279.7	5982.7
52.5°	4196.3	4250.4	4364.9	4442.8	4496.3	4467.1	4426.3	4758.1	5571.9	6338.2
55°	3905.9	3982.0	4171.9	4360.0	4633.3	4845.7	4899.3	5130.6	5856.8	6651.1
57.5°	3377.0	3500.5	3671.0	4051.4	4511.6	5028.9	5450.8	5647.4	6158.7	6985.2
60°	2470.0	2635.6	2847.4	3413.5	4085.5	4930.9	5920.1	6441.1	6587.8	7418.0
62.5°	1580.8	1683.0	1877.8	2411.0	3183.4	4428.8	6063.7	7433.2	7315.2	8127.7
65°	1082.2	1148.0	1326.3	1625.8	2058.0	3296.6	5679.0	8177.1	8470.4	9252.6
67.5°	786.4	836.3	988.5	1250.8	1340.9	1950.8	4406.9	8143.0	9593.5	10411.5
70°	573.4	608.7	736.5	988.5	1031.7	1085.3	2669.7	6921.9	9569.1	10719.5
72.5°	424.9	449.2	535.0	766.9	835.1	732.9	1321.5	5030.8	8222.7	9695.7
75°	307.4	325.6	388.9	586.8	668.3	558.2	659.2	2939.9	5735.6	6820.3
77.5°	235.0	249.0	290.3	429.7	535.0	418.8	409.0	1352.5	2719.6	2733.0
80°	188.7	197.8	220.3	302.5	410.3	313.5	266.6	546.0	859.5	727.4
82.5°	138.8	154.0	186.3	212.4	293.4	216.1	162.5	275.7	326.9	281.2
85°	79.1	89.5	112.6	152.2	187.5	132.1	93.1	122.3	152.2	124.8
87.5°	28.0	36.5	39.6	59.7	81.6	54.8	35.9	35.3	49.9	37.1
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°
1681.8	0°	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8
1700.1	2.5°	1694.0	1690.9	1678.7	1662.3	1645.3	1628.8	1623.4	1611.8	1603.9	1599.6
1739.6	5°	1728.1	1718.3	1689.7	1653.2	1614.8	1573.4	1544.2	1517.4	1498.0	1479.7
1793.8	7.5°	1776.7	1759.7	1710.4	1646.5	1578.3	1509.5	1458.4	1419.4	1393.3	1376.2
1857.1	10°	1833.4	1807.2	1731.7	1636.1	1530.8	1432.2	1372.0	1338.5	1322.1	1312.9
1929.5	12.5°	1898.5	1861.4	1753.6	1612.4	1458.4	1345.8	1304.4	1294.7	1295.3	1295.9
2020.8	15°	1978.8	1927.1	1771.3	1560.7	1364.1	1279.5	1272.1	1288.0	1304.4	1312.3
2124.3	17.5°	2069.5	1996.5	1774.3	1475.4	1271.5	1236.8	1260.0	1294.1	1319.0	1330.0
2240.0	20°	2166.9	2067.1	1752.4	1354.9	1195.5	1202.1	1243.5	1287.4	1314.8	1328.8
2372.0	22.5°	2278.3	2142.6	1700.1	1228.3	1133.4	1164.4	1213.1	1255.7	1284.3	1298.3
2527.3	25°	2405.5	2227.2	1617.9	1121.8	1079.8	1121.8	1170.5	1205.8	1228.9	1241.7
2700.7	27.5°	2546.7	2315.4	1508.3	1037.2	1032.9	1078.0	1118.2	1145.5	1157.7	1167.5
2885.2	30°	2688.6	2395.8	1375.6	973.3	992.2	1034.8	1063.4	1075.5	1079.2	1081.0
3090.9	32.5°	2841.9	2465.2	1236.2	920.3	953.2	992.8	1009.8	1015.3	998.2	986.7
3340.5	35°	3027.6	2539.4	1099.9	878.3	914.9	948.9	954.4	949.5	929.5	905.7
3653.3	37.5°	3257.1	2631.9	990.9	848.5	878.9	901.5	894.8	893.5	895.4	867.4
4029.5	40°	3538.3	2752.5	911.2	825.4	849.7	854.6	835.7	846.1	855.2	812.6
4442.2	42.5°	3850.5	2897.9	860.7	809.5	825.4	813.8	784.6	796.2	794.9	738.9
4856.7	45°	4168.9	3056.2	843.0	798.0	802.9	779.7	747.5	750.5	724.9	674.4
5254.2	47.5°	4485.4	3226.0	854.0	788.2	774.9	748.7	723.7	710.3	672.6	634.9
5635.2	50°	4795.8	3404.4	894.2	768.8	736.5	721.3	703.0	679.3	639.1	606.9
5995.5	52.5°	5083.7	3583.9	939.2	736.5	688.4	697.6	686.0	658.6	619.0	586.2
6336.4	55°	5356.4	3763.5	956.9	692.1	643.4	676.9	670.2	619.6	572.2	545.4
6693.1	57.5°	5653.5	3979.6	937.4	635.5	606.9	653.1	627.6	571.6	544.2	524.1
7157.5	60°	6064.9	4318.6	895.4	565.5	572.2	617.8	574.0	550.9	521.0	498.5
7853.8	62.5°	6748.5	4951.0	827.8	496.1	531.4	565.5	548.4	525.3	494.9	472.9
9044.4	65°	7758.9	5830.0	700.6	441.9	485.7	514.3	521.0	497.9	466.3	443.1
10087.7	67.5°	8611.0	6381.4	530.2	396.9	438.9	472.9	491.8	469.3	435.8	413.3
10331.8	70°	8564.2	5980.9	404.8	352.4	397.5	432.2	456.5	438.9	402.9	381.6
9384.7	72.5°	7606.7	5003.4	327.5	307.4	355.5	389.6	418.8	405.4	368.9	348.2
6875.1	75°	5588.3	3551.7	261.7	261.7	303.1	345.1	377.4	368.9	335.4	320.8
2886.4	77.5°	2355.6	1490.1	205.1	217.3	252.0	296.4	336.6	339.6	310.4	328.7
763.3	80°	626.3	410.9	156.4	171.0	197.8	244.7	292.8	291.6	259.9	242.9
283.6	82.5°	238.6	161.9	111.4	120.5	143.0	187.5	231.9	239.2	207.6	179.6
111.4	85°	91.9	69.4	68.8	72.4	83.4	124.2	175.3	181.4	156.4	132.7
31.0	87.5°	23.7	20.7	25.6	24.3	38.3	66.3	100.4	104.1	95.6	55.4
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°
1681.8
1604.5
1487.0
1379.9
1315.4
1297.1
1311.7
1332.4
1332.4
1302.0
1245.4
1171.1
1085.3
990.3
906.9
869.2
813.8
738.3
676.2
634.9
604.4
586.8
542.9
522.3
497.3
472.9
444.3
413.9
383.5
348.2
316.5
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225.8
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