

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: P847866

Luminaire Tested: **GLAN-SB4A-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847866
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-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12018 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

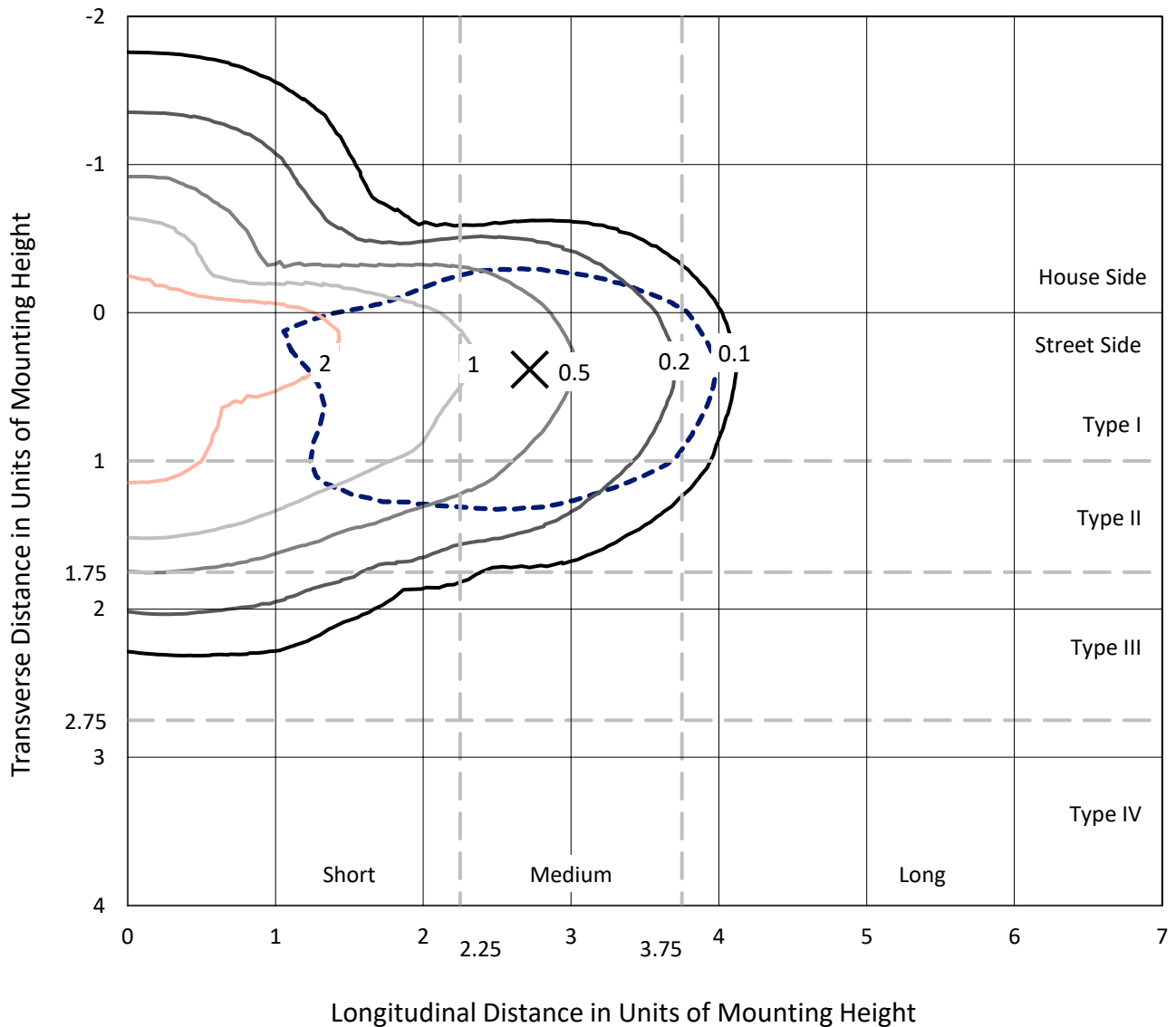
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

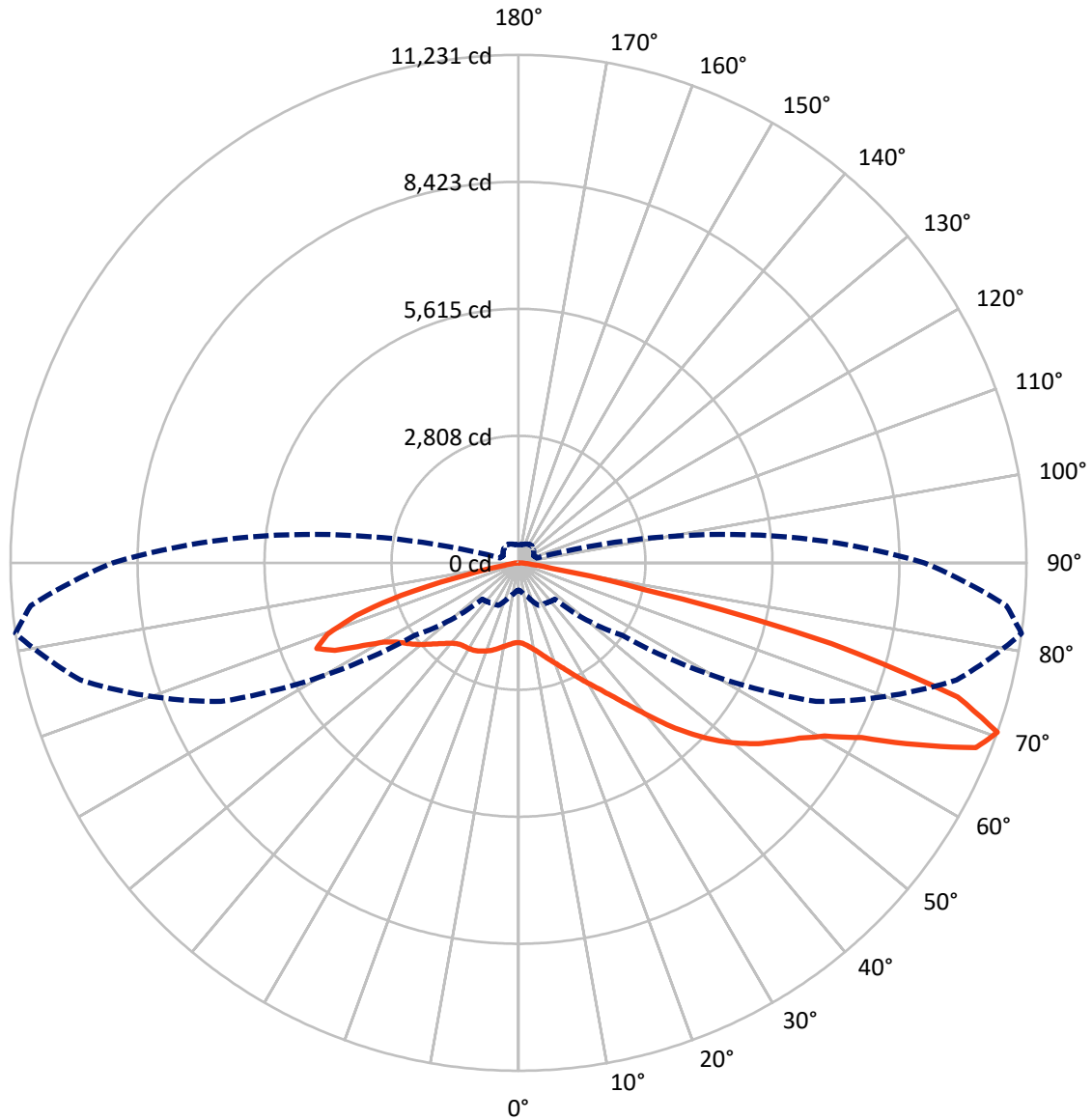
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	2962.7	0.0	2962.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	9055.3	0.0	9055.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	12018.0	0.0	12018.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.4	1.4
10°-20°	478.0	4.0
20°-30°	799.6	6.7
30°-40°	1249.2	10.4
40°-50°	1989.5	16.6
50°-60°	2768.6	23.0
60°-70°	2896.1	24.1
70°-80°	1513.6	12.6
80°-90°	157.2	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°	12018.0	100.0
0°-180°	12018.0	100.0

Coefficient of Utilization

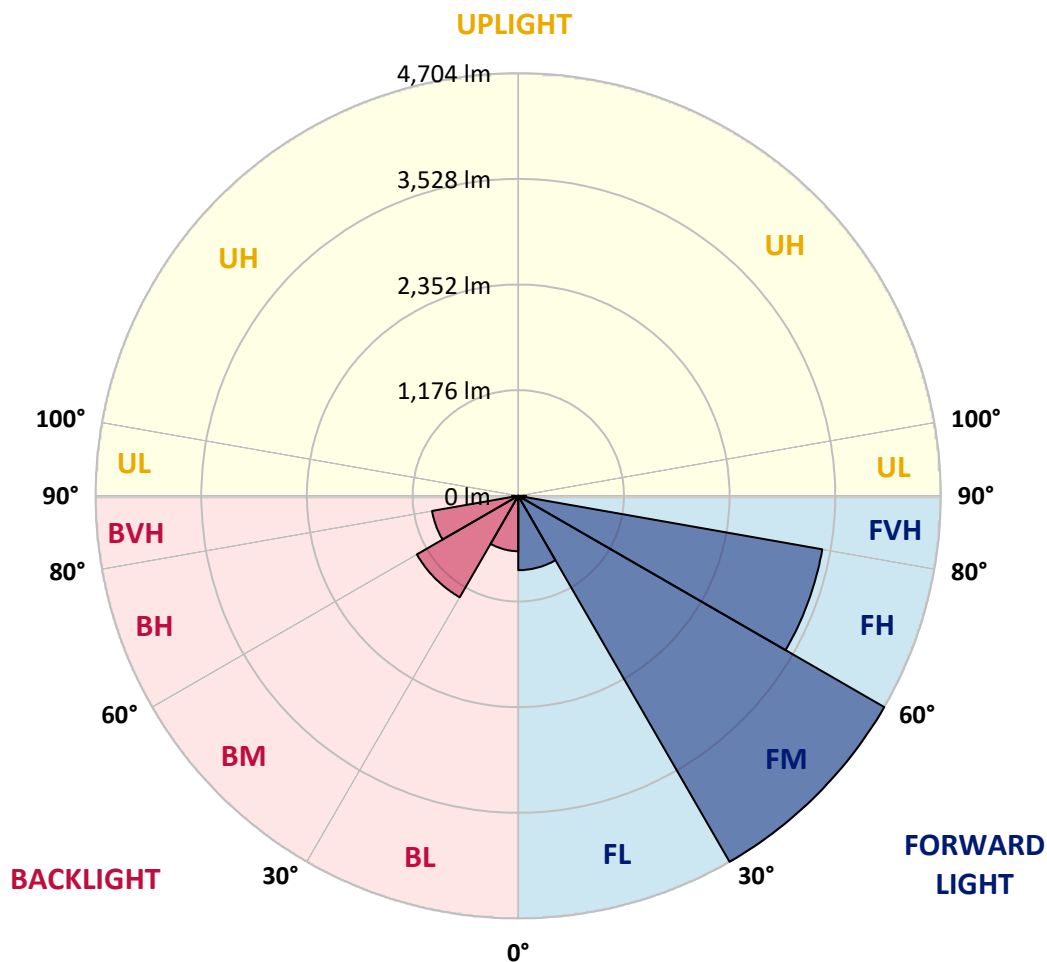


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	827.6	6.9			
FM (30°-60°)	4703.7	39.1			
FH (60°-80°)	3436.0	28.6			G2/5000
FVH (80°-90°)	88.0	0.7			G1/100
BL (0°-30°)	616.4	5.1	B2/1000		
BM (30°-60°)	1303.5	10.8	B2/2500		
BH (60°-80°)	973.7	8.1	B2/1000		G2/1000
BVH (80°-90°)	69.2	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°	1762.0	1762.0	1762.0	1762.0	1762.0	1762.0	1762.0	1762.0	1762.0	1762.0
2.5°	1804.1	1814.3	1811.1	1807.9	1807.9	1803.4	1802.8	1796.4	1791.3	1783.0
5°	1827.0	1837.9	1836.6	1839.2	1847.4	1849.4	1851.3	1847.4	1837.2	1827.0
7.5°	1806.6	1818.7	1822.6	1837.9	1863.4	1886.3	1903.6	1910.6	1901.0	1886.3
10°	1737.8	1751.1	1764.5	1800.9	1846.2	1900.4	1946.3	1973.7	1971.8	1957.8
12.5°	1598.1	1612.1	1640.8	1711.6	1794.5	1890.2	1975.6	2033.0	2052.8	2042.6
15°	1486.5	1498.6	1520.3	1593.0	1700.8	1846.2	1986.5	2098.1	2148.4	2142.7
17.5°	1483.3	1488.4	1501.8	1536.2	1619.1	1777.3	1975.0	2161.8	2258.1	2257.5
20°	1539.4	1541.3	1549.0	1556.0	1603.2	1725.0	1945.6	2214.8	2381.2	2381.2
22.5°	1617.2	1616.0	1623.6	1617.2	1640.2	1720.5	1927.2	2261.3	2518.3	2528.5
25°	1733.9	1727.6	1725.6	1711.0	1715.4	1762.0	1947.6	2314.2	2680.9	2702.0
27.5°	1889.5	1879.3	1872.3	1838.5	1827.0	1847.4	2010.1	2378.0	2862.0	2898.4
30°	2092.3	2073.8	2063.6	2005.0	1963.5	1966.7	2104.4	2462.8	3051.4	3110.1
32.5°	2369.1	2340.4	2313.0	2216.7	2140.8	2115.9	2226.2	2580.2	3256.8	3350.5
35°	2679.0	2656.1	2626.7	2478.1	2361.4	2304.0	2390.8	2744.1	3497.2	3645.8
37.5°	2977.5	2957.7	2971.7	2771.5	2621.0	2537.4	2606.3	2964.1	3793.7	4013.1
40°	3286.1	3270.8	3272.7	3081.4	2906.0	2812.3	2867.8	3240.2	4133.6	4449.9
42.5°	3621.5	3610.1	3571.8	3402.2	3205.1	3117.8	3168.8	3559.1	4498.4	4947.3
45°	3997.2	3990.1	3954.4	3759.9	3534.2	3436.0	3504.8	3911.1	4865.1	5415.4
47.5°	4321.8	4327.5	4323.0	4159.1	3925.1	3781.0	3863.2	4278.4	5206.3	5855.4
50°	4478.0	4508.0	4552.0	4500.9	4355.6	4208.9	4224.8	4633.0	5531.5	6268.0
52.5°	4396.4	4453.1	4573.0	4654.6	4710.8	4680.1	4637.4	4985.0	5837.6	6640.5
55°	4092.2	4171.9	4370.9	4567.9	4854.2	5076.8	5132.9	5375.2	6136.0	6968.2
57.5°	3538.0	3667.5	3846.0	4244.6	4726.7	5268.7	5710.7	5916.7	6452.3	7318.3
60°	2587.8	2761.3	2983.2	3576.3	4280.3	5166.1	6202.4	6748.2	6901.9	7771.8
62.5°	1656.1	1763.3	1967.3	2526.0	3335.2	4640.0	6352.9	7787.7	7664.0	8515.3
65°	1133.8	1202.7	1389.6	1703.3	2156.1	3453.8	5949.8	8567.0	8874.4	9693.8
67.5°	823.9	876.2	1035.6	1310.5	1404.9	2043.9	4617.0	8531.3	10050.9	10908.0
70°	600.7	637.7	771.6	1035.6	1080.9	1137.0	2797.0	7252.0	10025.4	11230.7
72.5°	445.1	470.6	560.5	803.5	874.9	767.8	1384.5	5270.7	8614.8	10158.1
75°	322.0	341.2	407.5	614.8	700.2	584.8	690.6	3080.1	6009.1	7145.5
77.5°	246.2	260.8	304.2	450.2	560.5	438.7	428.5	1417.0	2849.3	2863.3
80°	197.7	207.3	230.9	316.9	429.8	328.4	279.3	572.0	900.4	762.1
82.5°	145.4	161.3	195.1	222.6	307.4	226.4	170.3	288.9	342.4	294.6
85°	82.9	93.7	118.0	159.4	196.4	138.4	97.6	128.2	159.4	130.7
87.5°	29.3	38.3	41.5	62.5	85.5	57.4	37.6	37.0	52.3	38.9
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°
1762.0	0°	1762.0	1762.0	1762.0	1762.0	1762.0	1762.0	1762.0	1762.0	1762.0	1762.0
1781.1	2.5°	1774.7	1771.6	1758.8	1741.6	1723.7	1706.5	1700.8	1688.7	1680.4	1675.9
1822.6	5°	1810.5	1800.3	1770.3	1732.0	1691.8	1648.5	1617.9	1589.8	1569.4	1550.3
1879.3	7.5°	1861.5	1843.6	1792.0	1725.0	1653.6	1581.5	1527.9	1487.1	1459.7	1441.9
1945.6	10°	1920.8	1893.4	1814.3	1714.2	1603.8	1500.5	1437.4	1402.3	1385.1	1375.5
2021.5	12.5°	1989.0	1950.1	1837.2	1689.3	1527.9	1410.0	1366.6	1356.4	1357.0	1357.7
2117.2	15°	2073.2	2019.0	1855.7	1635.1	1429.1	1340.5	1332.8	1349.4	1366.6	1374.9
2225.6	17.5°	2168.2	2091.7	1858.9	1545.8	1332.2	1295.8	1320.1	1355.8	1381.9	1393.4
2346.8	20°	2270.2	2165.7	1836.0	1419.5	1252.5	1259.5	1302.8	1348.8	1377.5	1392.1
2485.2	22.5°	2386.9	2244.7	1781.1	1286.9	1187.4	1219.9	1271.0	1315.6	1345.6	1360.2
2647.8	25°	2520.2	2333.4	1695.0	1175.3	1131.3	1175.3	1226.3	1263.3	1287.5	1300.9
2829.5	27.5°	2668.2	2425.8	1580.2	1086.7	1082.2	1129.4	1171.5	1200.2	1212.9	1223.1
3022.7	30°	2816.8	2510.0	1441.2	1019.7	1039.5	1084.1	1114.1	1126.8	1130.7	1132.6
3238.3	32.5°	2977.5	2582.7	1295.2	964.2	998.7	1040.1	1058.0	1063.7	1045.8	1033.7
3499.7	35°	3172.0	2660.5	1152.3	920.2	958.5	994.2	999.9	994.8	973.8	948.9
3827.5	37.5°	3412.4	2757.5	1038.2	889.0	920.9	944.4	937.4	936.2	938.1	908.7
4221.6	40°	3707.0	2883.7	954.6	864.7	890.2	895.3	875.6	886.4	896.0	851.3
4654.0	42.5°	4034.1	3036.1	901.7	848.2	864.7	852.6	822.0	834.1	832.8	774.2
5088.3	45°	4367.7	3201.9	883.2	836.0	841.1	816.9	783.1	786.3	759.5	706.6
5504.7	47.5°	4699.3	3379.9	894.7	825.8	811.8	784.4	758.2	744.2	704.7	665.1
5903.9	50°	5024.5	3566.7	936.8	805.4	771.6	755.7	736.6	711.7	669.6	635.8
6281.4	52.5°	5326.1	3754.8	984.0	771.6	721.2	730.8	718.7	690.0	648.5	614.1
6638.5	55°	5611.8	3943.0	1002.5	725.1	674.1	709.1	702.1	649.2	599.4	571.4
7012.2	57.5°	5923.0	4169.3	982.1	665.8	635.8	684.3	657.5	598.8	570.1	549.1
7498.8	60°	6354.1	4524.5	938.1	592.4	599.4	647.3	601.4	577.1	545.9	522.3
8228.4	62.5°	7070.3	5187.1	867.3	519.7	556.7	592.4	574.6	550.3	518.5	495.5
9475.7	65°	8128.9	6108.0	734.0	463.0	508.9	538.9	545.9	521.6	488.5	464.3
10568.7	67.5°	9021.7	6685.7	555.4	415.8	459.8	495.5	515.3	491.7	456.6	433.0
10824.5	70°	8972.6	6266.1	424.1	369.2	416.4	452.8	478.3	459.8	422.2	399.8
9832.2	72.5°	7969.4	5242.0	343.1	322.0	372.4	408.1	438.7	424.7	386.5	364.8
7202.9	75°	5854.8	3721.0	274.2	274.2	317.6	361.6	395.4	386.5	351.4	336.1
3024.0	77.5°	2467.9	1561.1	214.9	227.7	264.0	310.6	352.7	355.8	325.2	344.4
799.7	80°	656.2	430.5	163.9	179.2	207.3	256.4	306.7	305.5	272.3	254.4
297.2	82.5°	250.0	169.6	116.7	126.3	149.9	196.4	243.0	250.6	217.5	188.1
116.7	85°	96.3	72.7	72.1	75.9	87.4	130.1	183.7	190.0	163.9	139.0
32.5	87.5°	24.9	21.7	26.8	25.5	40.2	69.5	105.2	109.0	100.1	58.0
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°
1762.0
1681.0
1557.9
1445.7
1378.1
1359.0
1374.3
1395.9
1395.9
1364.1
1304.8
1227.0
1137.0
1037.6
950.2
910.6
852.6
773.5
708.5
665.1
633.2
614.8
568.8
547.2
521.0
495.5
465.5
433.6
401.8
364.8
331.6
312.5
236.6
188.1
143.5
82.9
0.0

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