

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: P846806

Luminaire Tested: **GLAN-SB2C-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846806
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-SB2C-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12287 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

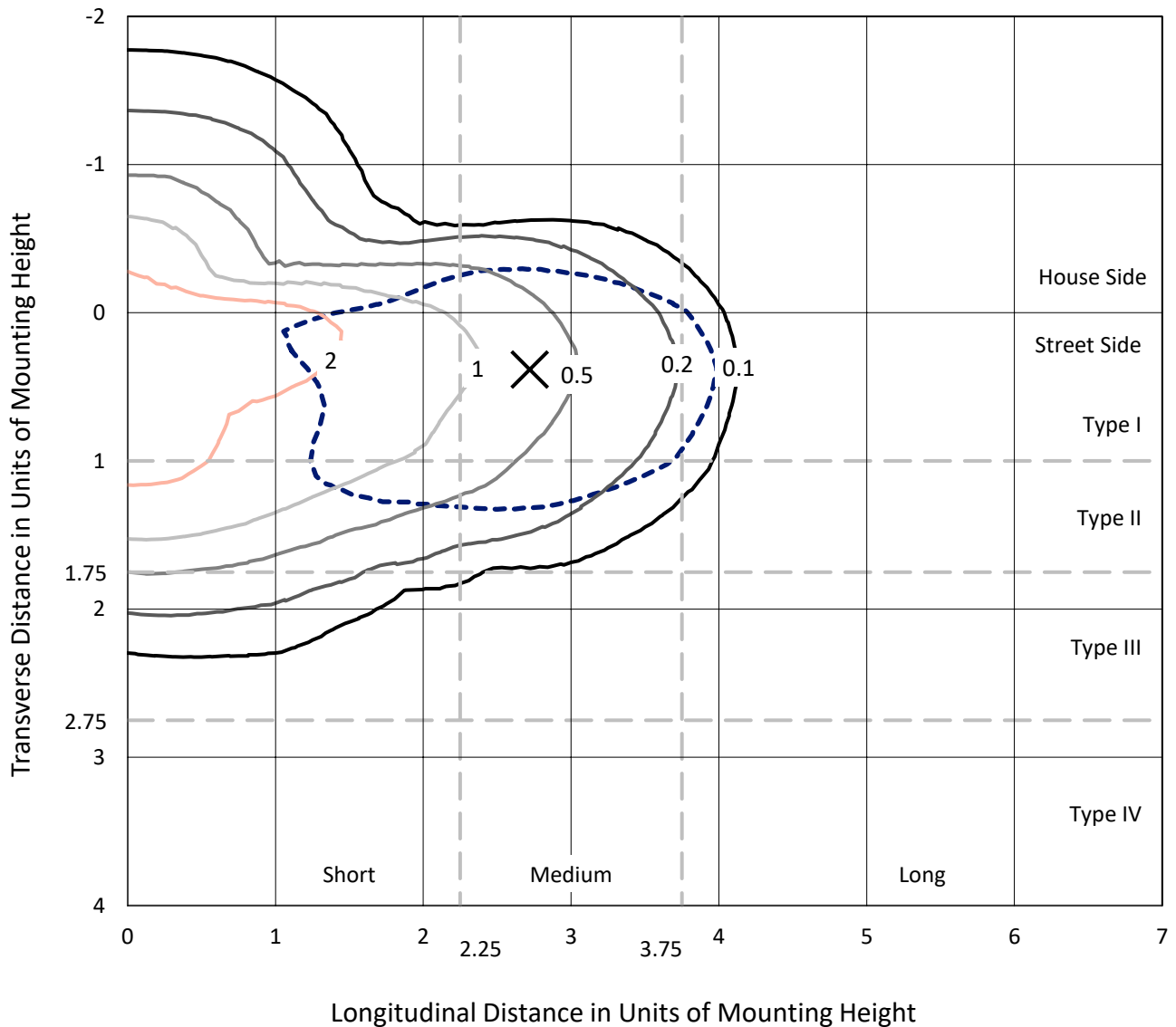
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

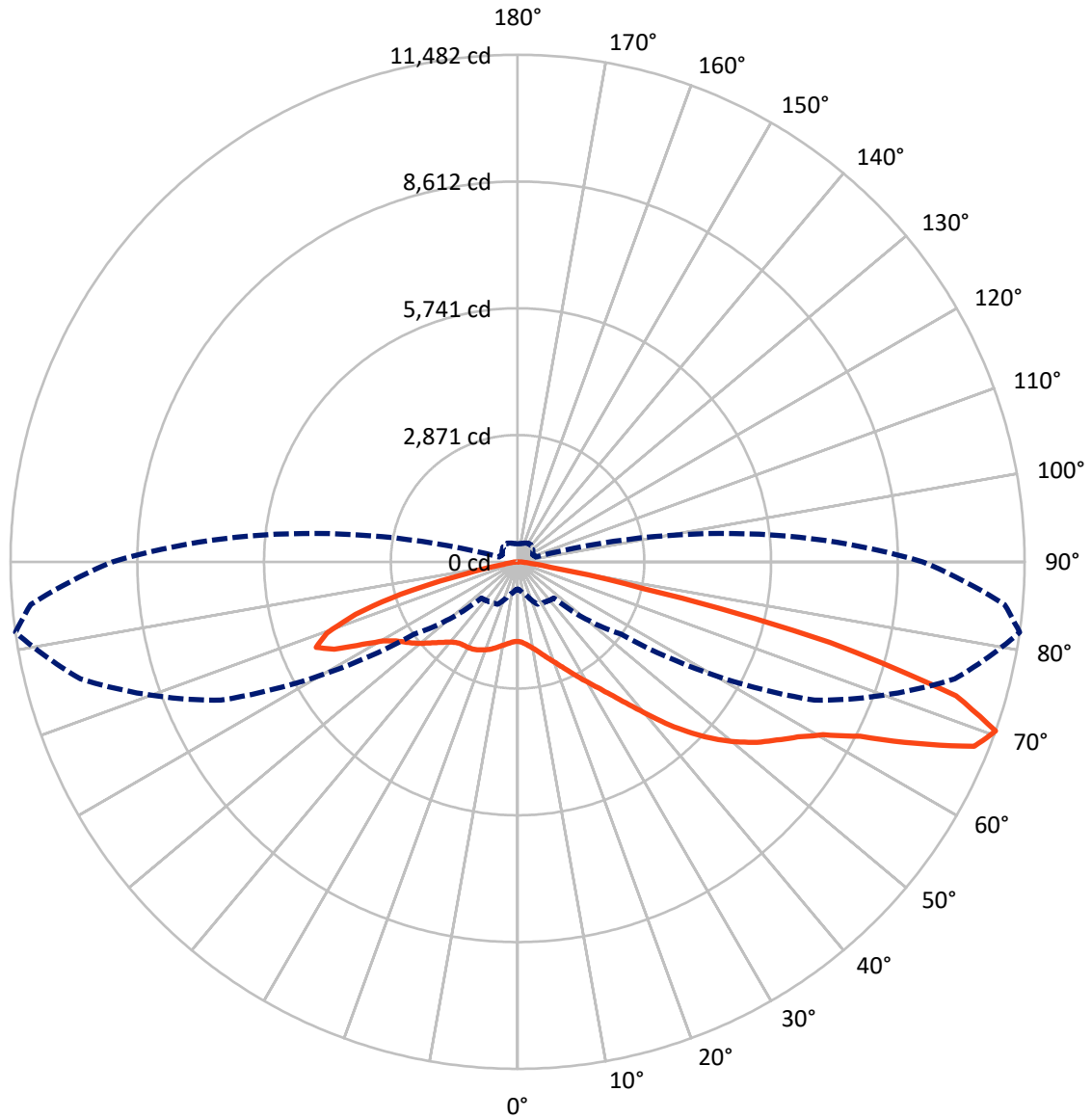
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type 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	3029.1	0.0	3029.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	9258.0	0.0	9258.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	12287.0	0.0	12287.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.1	1.4
10°-20°	488.7	4.0
20°-30°	817.5	6.7
30°-40°	1277.1	10.4
40°-50°	2034.0	16.6
50°-60°	2830.5	23.0
60°-70°	2960.9	24.1
70°-80°	1547.5	12.6
80°-90°	160.7	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°	12287.0	100.0
0°-180°	12287.0	100.0

Coefficient of Utilization

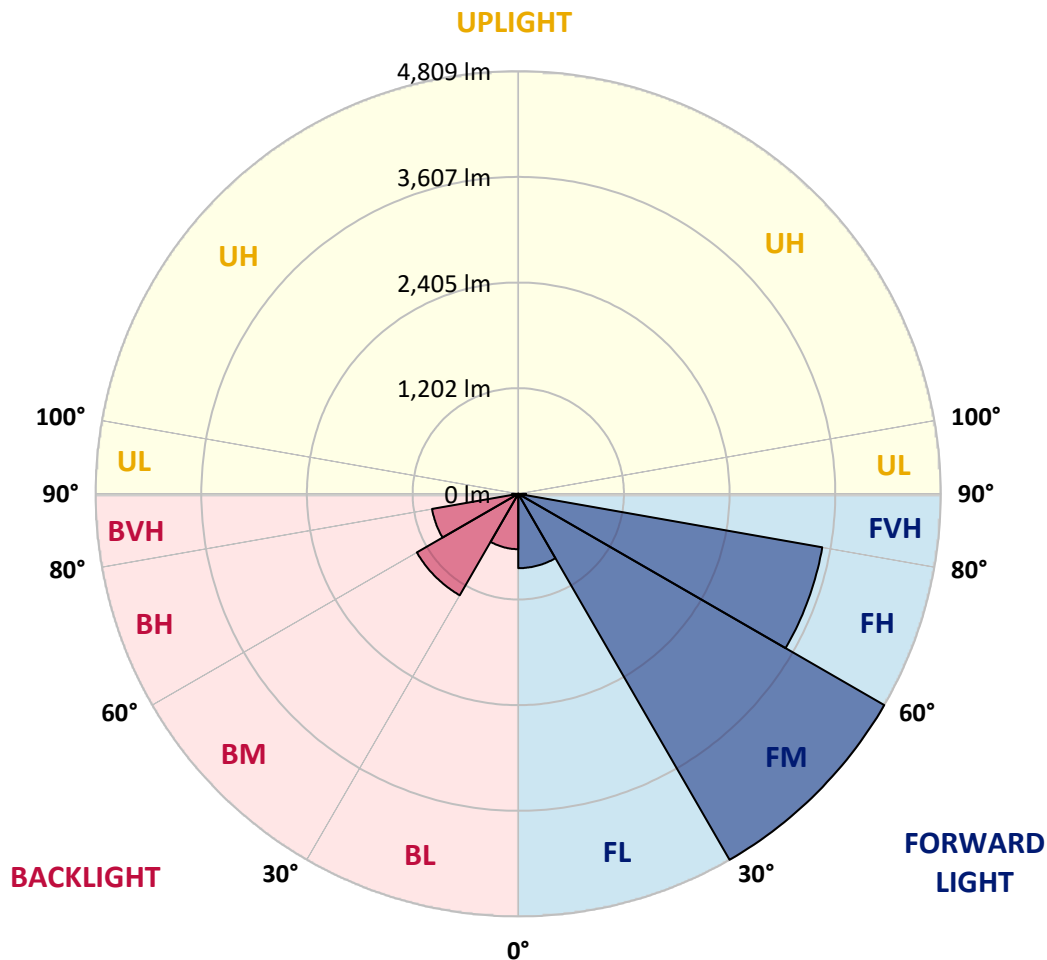


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	846.1	6.9			
FM (30°-60°)	4809.0	39.1			
FH (60°-80°)	3512.9	28.6			G2/5000
FVH (80°-90°)	90.0	0.7			G1/100
BL (0°-30°)	630.2	5.1	B2/1000		
BM (30°-60°)	1332.7	10.8	B2/2500		
BH (60°-80°)	995.5	8.1	B2/1000		G2/1000
BVH (80°-90°)	70.7	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°	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4
2.5°	1844.5	1854.9	1851.6	1848.4	1848.4	1843.8	1843.2	1836.6	1831.4	1822.9
5°	1867.9	1879.0	1877.7	1880.3	1888.8	1890.7	1892.7	1888.8	1878.4	1867.9
7.5°	1847.1	1859.5	1863.4	1879.0	1905.1	1928.6	1946.2	1953.3	1943.6	1928.6
10°	1776.7	1790.3	1804.0	1841.2	1887.5	1942.9	1989.9	2017.9	2015.9	2001.6
12.5°	1633.9	1648.2	1677.6	1749.9	1834.7	1932.5	2019.8	2078.5	2098.7	2088.3
15°	1519.8	1532.2	1554.3	1628.7	1738.8	1887.5	2030.9	2145.0	2196.5	2190.7
17.5°	1516.5	1521.7	1535.4	1570.6	1655.4	1817.1	2019.2	2210.2	2308.7	2308.0
20°	1573.9	1575.8	1583.7	1590.8	1639.1	1763.6	1989.2	2264.3	2434.5	2434.5
22.5°	1653.4	1652.1	1659.9	1653.4	1676.9	1759.0	1970.3	2311.9	2574.7	2585.1
25°	1772.7	1766.2	1764.3	1749.3	1753.8	1801.4	1991.2	2366.0	2740.9	2762.5
27.5°	1931.8	1921.4	1914.2	1879.7	1867.9	1888.8	2055.0	2431.2	2926.1	2963.3
30°	2139.2	2120.2	2109.8	2049.8	2007.5	2010.7	2151.5	2518.0	3119.7	3179.7
32.5°	2422.1	2392.8	2364.7	2266.3	2188.7	2163.3	2276.1	2637.9	3329.7	3425.5
35°	2739.0	2715.5	2685.5	2533.6	2414.3	2355.6	2444.3	2805.5	3575.5	3727.4
37.5°	3044.1	3023.9	3038.2	2833.5	2679.6	2594.2	2664.7	3030.4	3878.6	4102.9
40°	3359.7	3344.0	3346.0	3150.4	2971.1	2875.2	2932.0	3312.7	4226.2	4549.5
42.5°	3702.6	3690.9	3651.8	3478.3	3276.9	3187.5	3239.7	3638.7	4599.1	5058.1
45°	4086.6	4079.5	4042.9	3844.1	3613.3	3512.9	3583.3	3998.6	4974.0	5536.6
47.5°	4418.5	4424.4	4419.8	4252.2	4013.0	3865.6	3949.7	4374.2	5322.8	5986.5
50°	4578.2	4608.9	4653.9	4601.7	4453.0	4303.1	4319.4	4736.7	5655.3	6408.3
52.5°	4494.8	4552.8	4675.4	4758.8	4816.2	4784.9	4741.2	5096.5	5968.2	6789.1
55°	4183.8	4265.3	4468.7	4670.2	4962.9	5190.4	5247.8	5495.6	6273.4	7124.2
57.5°	3617.2	3749.6	3932.1	4339.6	4832.5	5386.7	5838.5	6049.1	6596.8	7482.2
60°	2645.7	2823.1	3050.0	3656.3	4376.1	5281.7	6341.2	6899.3	7056.4	7945.7
62.5°	1693.2	1802.7	2011.4	2582.5	3409.9	4743.8	6495.1	7962.0	7835.5	8705.9
65°	1159.2	1229.6	1420.7	1741.4	2204.4	3531.1	6083.0	8758.7	9073.0	9910.8
67.5°	842.4	895.8	1058.8	1339.8	1436.3	2089.6	4720.4	8722.2	10275.9	11152.2
70°	614.2	652.0	788.9	1058.8	1105.1	1162.5	2859.6	7414.3	10249.8	11482.1
72.5°	455.1	481.2	573.1	821.5	894.5	785.0	1415.5	5388.6	8807.6	10385.4
75°	329.3	348.8	416.6	628.5	715.9	597.9	706.1	3149.1	6143.6	7305.5
77.5°	251.7	266.7	311.0	460.3	573.1	448.6	438.1	1448.7	2913.1	2927.4
80°	202.1	211.9	236.0	324.0	439.4	335.8	285.6	584.8	920.6	779.1
82.5°	148.7	165.0	199.5	227.5	314.3	231.5	174.1	295.3	350.1	301.2
85°	84.8	95.8	120.6	163.0	200.8	141.5	99.8	131.0	163.0	133.7
87.5°	30.0	39.1	42.4	63.9	87.4	58.7	38.5	37.8	53.5	39.8
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°
1801.4	0°	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4
1821.0	2.5°	1814.5	1811.2	1798.2	1780.6	1762.3	1744.7	1738.8	1726.4	1718.0	1713.4
1863.4	5°	1851.0	1840.5	1809.9	1770.8	1729.7	1685.4	1654.1	1625.4	1604.5	1585.0
1921.4	7.5°	1903.1	1884.9	1832.1	1763.6	1690.6	1616.9	1562.2	1520.4	1492.4	1474.1
1989.2	10°	1963.8	1935.7	1854.9	1752.5	1639.7	1534.1	1469.6	1433.7	1416.1	1406.3
2066.8	12.5°	2033.5	1993.8	1878.4	1727.1	1562.2	1441.5	1397.2	1386.8	1387.4	1388.1
2164.6	15°	2119.6	2064.2	1897.3	1671.7	1461.1	1370.5	1362.6	1379.6	1397.2	1405.7
2275.4	17.5°	2216.7	2138.5	1900.5	1580.4	1362.0	1324.8	1349.6	1386.1	1412.8	1424.6
2399.3	20°	2321.1	2214.1	1877.1	1451.3	1280.5	1287.7	1332.0	1378.9	1408.3	1423.3
2540.8	22.5°	2440.4	2295.0	1821.0	1315.7	1214.0	1247.2	1299.4	1345.0	1375.7	1390.7
2707.0	25°	2576.6	2385.6	1733.0	1201.6	1156.6	1201.6	1253.8	1291.6	1316.4	1330.0
2892.8	27.5°	2727.9	2480.1	1615.6	1111.0	1106.4	1154.7	1197.7	1227.0	1240.1	1250.5
3090.4	30°	2879.8	2566.2	1473.5	1042.5	1062.7	1108.4	1139.0	1152.1	1156.0	1157.9
3310.8	32.5°	3044.1	2640.5	1324.2	985.8	1021.0	1063.4	1081.6	1087.5	1069.3	1056.9
3578.1	35°	3243.0	2720.1	1178.1	940.8	979.9	1016.4	1022.3	1017.1	995.6	970.2
3913.2	37.5°	3488.8	2819.2	1061.4	908.9	941.5	965.6	958.4	957.1	959.1	929.1
4316.1	40°	3790.0	2948.3	976.0	884.1	910.2	915.4	895.2	906.3	916.0	870.4
4758.2	42.5°	4124.4	3104.1	921.9	867.1	884.1	871.7	840.4	852.8	851.5	791.5
5202.2	45°	4465.4	3273.6	903.0	854.7	860.0	835.2	800.6	803.9	776.5	722.4
5627.9	47.5°	4804.5	3455.5	914.7	844.3	830.0	801.9	775.2	760.9	720.4	680.0
6036.1	50°	5137.0	3646.5	957.8	823.5	788.9	772.6	753.0	727.6	684.6	650.0
6422.0	52.5°	5445.4	3838.9	1006.0	788.9	737.4	747.2	734.8	705.4	663.1	627.9
6787.1	55°	5737.4	4031.2	1024.9	741.3	689.1	725.0	717.8	663.7	612.9	584.2
7169.2	57.5°	6055.6	4262.7	1004.1	680.7	650.0	699.6	672.2	612.2	582.9	561.4
7666.7	60°	6496.4	4625.8	959.1	605.7	612.9	661.8	614.8	590.0	558.1	534.0
8412.5	62.5°	7228.5	5303.2	886.7	531.4	569.2	605.7	587.4	562.7	530.1	506.6
9687.8	65°	8310.8	6244.7	750.4	473.3	520.3	550.9	558.1	533.3	499.4	474.6
10805.3	67.5°	9223.6	6835.4	567.9	425.1	470.1	506.6	526.8	502.7	466.8	442.7
11066.8	70°	9173.4	6406.4	433.6	377.5	425.7	462.9	489.0	470.1	431.6	408.8
10052.3	72.5°	8147.8	5359.3	350.8	329.3	380.8	417.3	448.6	434.2	395.1	372.9
7364.1	75°	5985.9	3804.3	280.4	280.4	324.7	369.7	404.2	395.1	359.2	343.6
3091.7	77.5°	2523.2	1596.1	219.7	232.8	269.9	317.5	360.5	363.8	332.5	352.1
817.6	80°	670.9	440.1	167.6	183.2	211.9	262.1	313.6	312.3	278.4	260.1
303.8	82.5°	255.6	173.4	119.3	129.1	153.2	200.8	248.4	256.2	222.3	192.3
119.3	85°	98.4	74.3	73.7	77.6	89.3	133.0	187.8	194.3	167.6	142.1
33.3	87.5°	25.4	22.2	27.4	26.1	41.1	71.1	107.6	111.5	102.4	59.3
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°
1801.4
1718.6
1592.8
1478.0
1408.9
1389.4
1405.0
1427.2
1427.2
1394.6
1334.0
1254.4
1162.5
1060.8
971.5
931.0
871.7
790.9
724.4
680.0
647.4
628.5
581.6
559.4
532.7
506.6
475.9
443.3
410.7
372.9
339.0
319.5
241.9
192.3
146.7
84.8
0.0

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