

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: P846566

Luminaire Tested: **GLAN-SB2B-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846566
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-SB2B-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10778 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

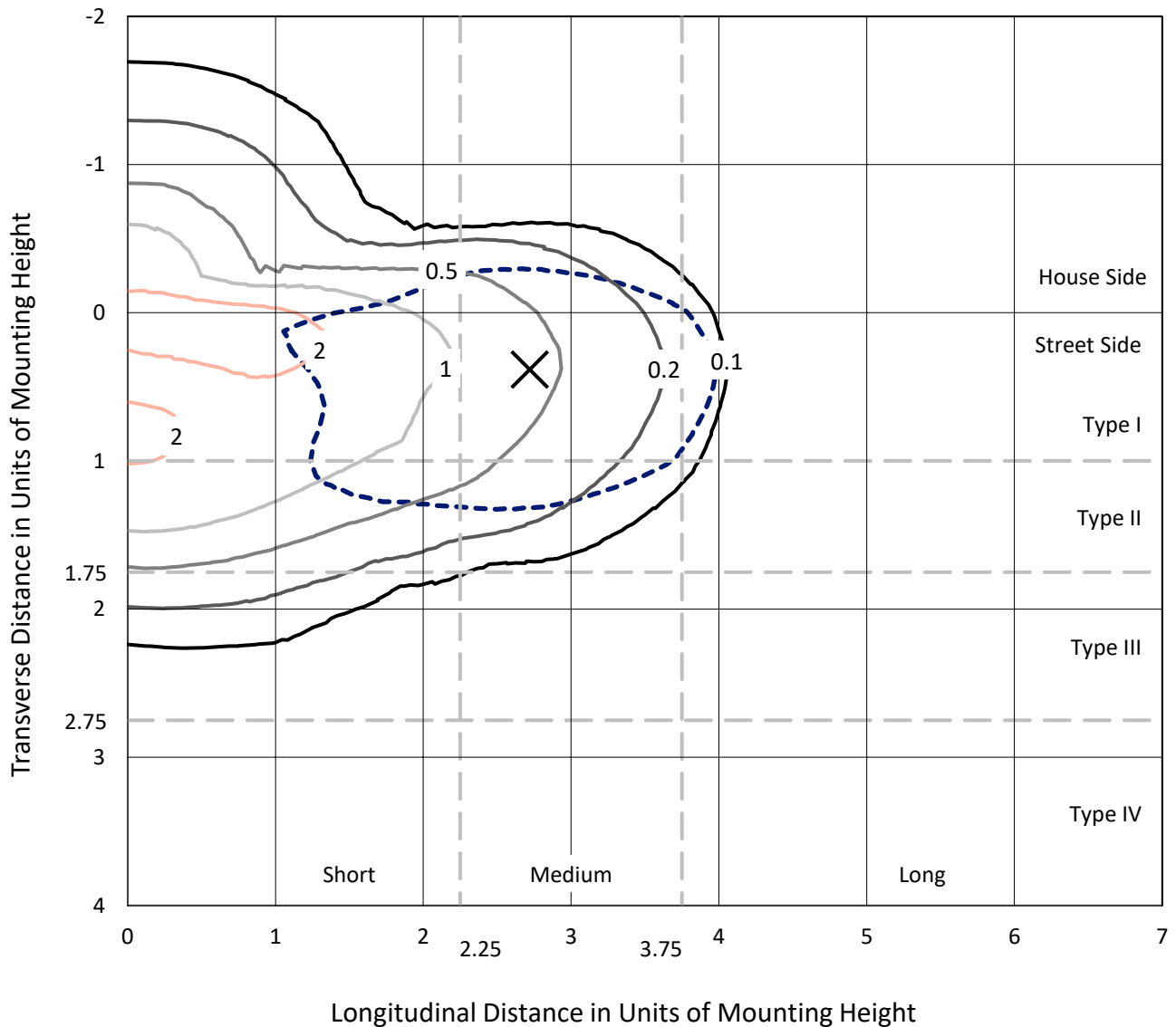
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

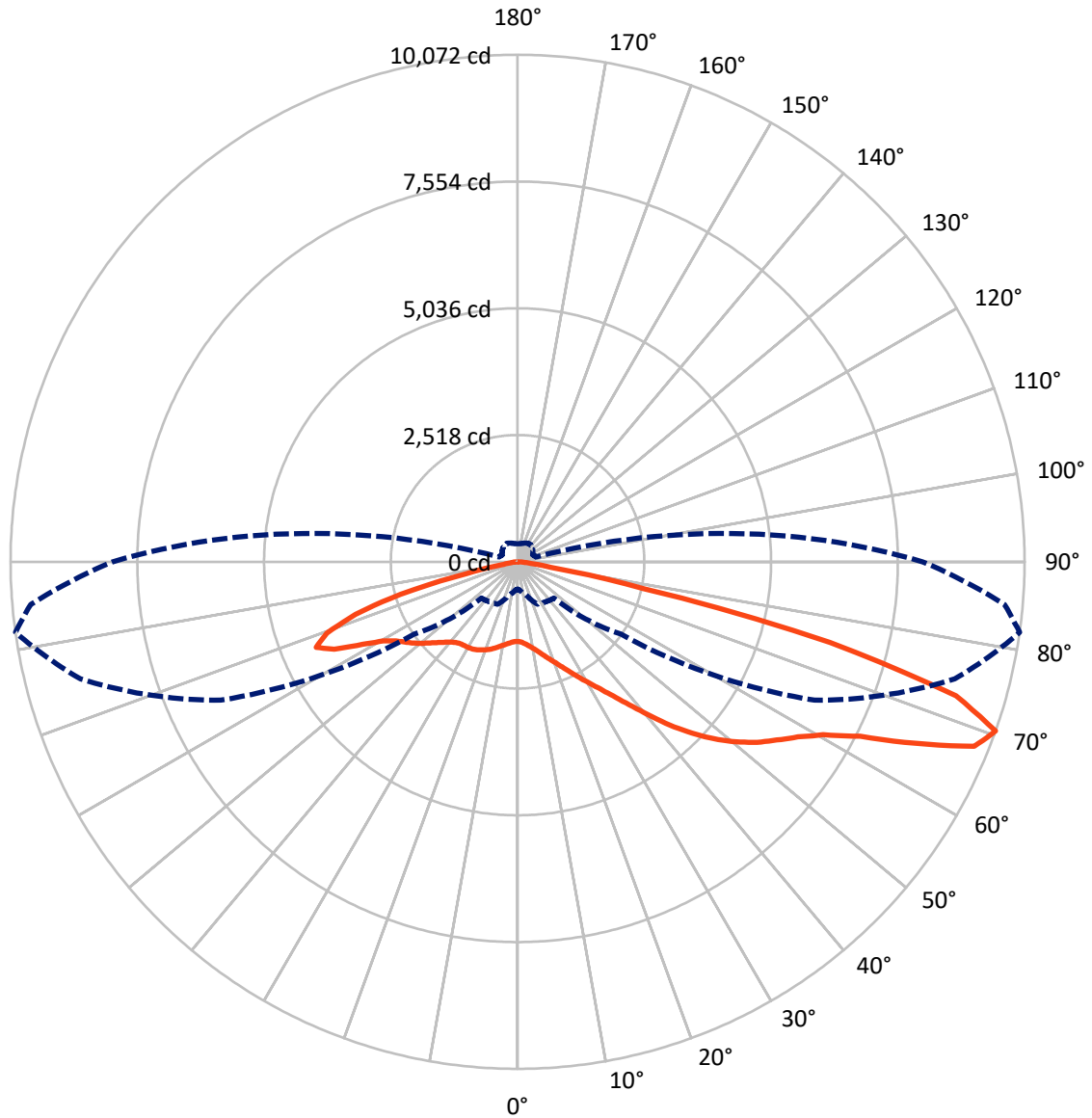
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	2657.0	0.0	2657.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	8121.0	0.0	8121.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	10778.0	0.0	10778.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.2	1.4
10°-20°	428.7	4.0
20°-30°	717.1	6.7
30°-40°	1120.3	10.4
40°-50°	1784.2	16.6
50°-60°	2482.9	23.0
60°-70°	2597.2	24.1
70°-80°	1357.5	12.6
80°-90°	141.0	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°	10778.0	100.0
0°-180°	10778.0	100.0

Coefficient of Utilization

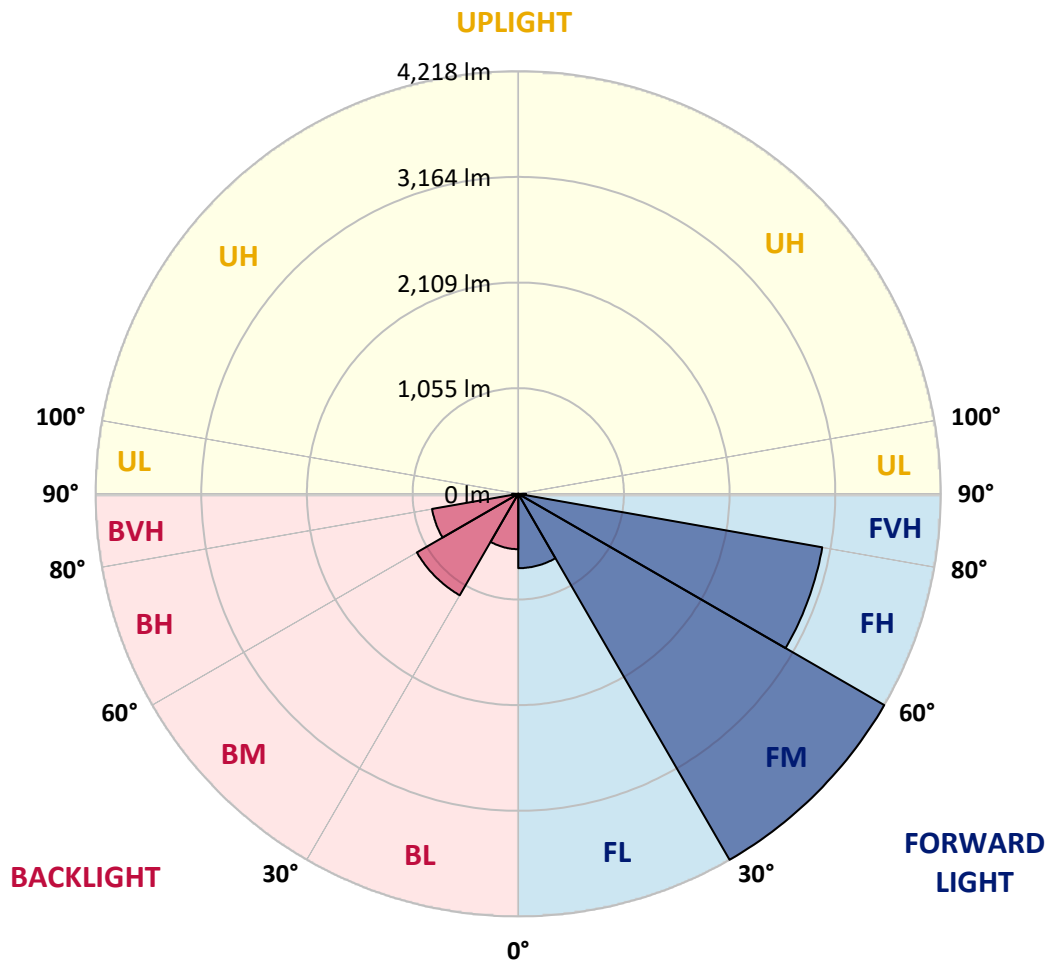


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	742.2	6.9			
FM (30°-60°)	4218.4	39.1			
FH (60°-80°)	3081.5	28.6			G2/5000
FVH (80°-90°)	78.9	0.7			G1/100
BL (0°-30°)	552.8	5.1	B2/1000		
BM (30°-60°)	1169.0	10.8	B2/2500		
BH (60°-80°)	873.2	8.1	B2/1000		G2/1000
BVH (80°-90°)	62.0	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°	1580.2	1580.2	1580.2	1580.2	1580.2	1580.2	1580.2	1580.2	1580.2	1580.2
2.5°	1617.9	1627.1	1624.2	1621.4	1621.4	1617.4	1616.8	1611.1	1606.5	1599.1
5°	1638.5	1648.2	1647.1	1649.4	1656.8	1658.5	1660.3	1656.8	1647.7	1638.5
7.5°	1620.2	1631.1	1634.5	1648.2	1671.1	1691.7	1707.2	1713.4	1704.9	1691.7
10°	1558.5	1570.5	1582.5	1615.1	1655.7	1704.3	1745.5	1770.1	1768.3	1755.8
12.5°	1433.2	1445.8	1471.5	1535.0	1609.4	1695.1	1771.8	1823.3	1841.0	1831.8
15°	1333.1	1344.0	1363.4	1428.6	1525.3	1655.7	1781.5	1881.6	1926.8	1921.6
17.5°	1330.3	1334.8	1346.8	1377.7	1452.1	1593.9	1771.2	1938.8	2025.1	2024.6
20°	1380.6	1382.3	1389.2	1395.5	1437.8	1547.0	1744.9	1986.2	2135.5	2135.5
22.5°	1450.4	1449.2	1456.1	1450.4	1471.0	1543.0	1728.3	2028.0	2258.5	2267.6
25°	1555.0	1549.3	1547.6	1534.4	1538.4	1580.2	1746.6	2075.5	2404.3	2423.2
27.5°	1694.6	1685.4	1679.1	1648.8	1638.5	1656.8	1802.7	2132.7	2566.7	2599.3
30°	1876.4	1859.9	1850.7	1798.1	1760.9	1763.8	1887.3	2208.7	2736.6	2789.2
32.5°	2124.6	2098.9	2074.3	1988.0	1919.9	1897.6	1996.5	2314.0	2920.7	3004.8
35°	2402.6	2382.0	2355.7	2222.4	2117.8	2066.3	2144.1	2460.9	3136.4	3269.6
37.5°	2670.3	2652.5	2665.1	2485.5	2350.6	2275.6	2337.4	2658.2	3402.3	3599.0
40°	2947.1	2933.3	2935.0	2763.5	2606.2	2522.1	2571.9	2905.9	3707.1	3990.8
42.5°	3247.9	3237.6	3203.3	3051.1	2874.4	2796.1	2841.8	3191.8	4034.3	4436.9
45°	3584.7	3578.4	3546.4	3372.0	3169.5	3081.5	3143.2	3507.5	4363.1	4856.7
47.5°	3875.8	3881.0	3877.0	3730.0	3520.1	3390.9	3464.6	3836.9	4669.1	5251.3
50°	4016.0	4042.8	4082.3	4036.5	3906.2	3774.6	3788.9	4154.9	4960.8	5621.3
52.5°	3942.8	3993.7	4101.2	4174.4	4224.7	4197.3	4158.9	4470.6	5235.3	5955.3
55°	3670.0	3741.4	3919.9	4096.6	4353.4	4553.0	4603.3	4820.6	5502.9	6249.3
57.5°	3173.0	3289.1	3449.2	3806.6	4239.0	4725.1	5121.5	5306.2	5786.6	6563.2
60°	2320.8	2476.4	2675.4	3207.3	3838.7	4633.0	5562.4	6052.0	6189.8	6969.9
62.5°	1485.3	1581.3	1764.3	2265.3	2991.1	4161.2	5697.4	6984.2	6873.2	7636.7
65°	1016.9	1078.6	1246.2	1527.6	1933.6	3097.5	5335.9	7683.0	7958.7	8693.6
67.5°	738.9	785.8	928.8	1175.3	1259.9	1833.0	4140.6	7651.0	9013.9	9782.5
70°	538.7	571.9	692.0	928.8	969.4	1019.7	2508.4	6503.8	8991.0	10071.9
72.5°	399.2	422.1	502.7	720.6	784.7	688.6	1241.6	4726.8	7725.9	9110.0
75°	288.8	306.0	365.5	551.3	628.0	524.4	619.4	2762.3	5389.1	6408.3
77.5°	220.8	233.9	272.8	403.8	502.7	393.5	384.3	1270.8	2555.3	2567.9
80°	177.3	185.9	207.0	284.2	385.5	294.5	250.5	513.0	807.5	683.4
82.5°	130.4	144.7	175.0	199.6	275.7	203.0	152.7	259.1	307.1	264.2
85°	74.3	84.1	105.8	143.0	176.1	124.1	87.5	115.0	143.0	117.2
87.5°	26.3	34.3	37.2	56.0	76.6	51.5	33.7	33.2	46.9	34.9
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°
1580.2	0°	1580.2	1580.2	1580.2	1580.2	1580.2	1580.2	1580.2	1580.2	1580.2	1580.2
1597.3	2.5°	1591.6	1588.8	1577.3	1561.9	1545.9	1530.4	1525.3	1514.4	1507.0	1503.0
1634.5	5°	1623.7	1614.5	1587.6	1553.3	1517.3	1478.4	1450.9	1425.8	1407.5	1390.3
1685.4	7.5°	1669.4	1653.4	1607.1	1547.0	1483.0	1418.3	1370.3	1333.7	1309.1	1293.1
1744.9	10°	1722.6	1698.0	1627.1	1537.3	1438.4	1345.7	1289.1	1257.6	1242.2	1233.6
1813.0	12.5°	1783.8	1748.9	1647.7	1515.0	1370.3	1264.5	1225.6	1216.5	1217.0	1217.6
1898.7	15°	1859.3	1810.7	1664.3	1466.4	1281.7	1202.2	1195.3	1210.2	1225.6	1233.0
1996.0	17.5°	1944.5	1875.9	1667.1	1386.3	1194.7	1162.1	1183.9	1215.9	1239.3	1249.6
2104.6	20°	2036.0	1942.2	1646.5	1273.1	1123.2	1129.5	1168.4	1209.6	1235.3	1248.5
2228.7	22.5°	2140.7	2013.1	1597.3	1154.1	1064.9	1094.1	1139.8	1179.9	1206.7	1219.9
2374.6	25°	2260.2	2092.6	1520.1	1054.0	1014.6	1054.0	1099.8	1133.0	1154.7	1166.7
2537.6	27.5°	2392.9	2175.5	1417.2	974.5	970.5	1012.9	1050.6	1076.3	1087.8	1096.9
2710.9	30°	2526.1	2251.0	1292.5	914.5	932.2	972.2	999.1	1010.6	1014.0	1015.7
2904.2	32.5°	2670.3	2316.2	1161.6	864.7	895.6	932.8	948.8	953.9	937.9	927.1
3138.6	35°	2844.7	2386.0	1033.4	825.3	859.6	891.6	896.8	892.2	873.3	851.0
3432.6	37.5°	3060.3	2472.9	931.1	797.2	825.8	847.0	840.7	839.6	841.3	815.0
3786.0	40°	3324.5	2586.2	856.2	775.5	798.4	803.0	785.2	795.0	803.5	763.5
4173.8	42.5°	3617.9	2722.9	808.7	760.6	775.5	764.6	737.2	748.1	746.9	694.3
4563.3	45°	3917.0	2871.6	792.1	749.8	754.4	732.6	702.3	705.2	681.1	633.7
4936.7	47.5°	4214.4	3031.1	802.4	740.6	728.0	703.5	680.0	667.4	632.0	596.5
5294.8	50°	4506.1	3198.7	840.1	722.3	692.0	677.7	660.6	638.3	600.5	570.2
5633.3	52.5°	4776.6	3367.4	882.5	692.0	646.8	655.4	644.5	618.8	581.6	550.8
5953.6	55°	5032.8	3536.1	899.0	650.3	604.5	636.0	629.7	582.2	537.6	512.4
6288.7	57.5°	5311.9	3739.2	880.7	597.1	570.2	613.7	589.6	537.0	511.3	492.4
6725.1	60°	5698.5	4057.7	841.3	531.3	537.6	580.5	539.3	517.6	489.6	468.4
7379.4	62.5°	6340.8	4651.9	777.8	466.1	499.3	531.3	515.3	493.6	465.0	444.4
8498.0	65°	7290.1	5477.8	658.3	415.2	456.4	483.3	489.6	467.8	438.1	416.4
9478.3	67.5°	8090.8	5995.9	498.1	372.9	412.3	444.4	462.1	440.9	409.5	388.3
9707.6	70°	8046.8	5619.6	380.3	331.1	373.5	406.1	428.9	412.3	378.6	358.6
8817.7	72.5°	7147.2	4701.1	307.7	288.8	334.0	366.0	393.5	380.9	346.6	327.1
6459.7	75°	5250.7	3337.1	245.9	245.9	284.8	324.3	354.6	346.6	315.1	301.4
2712.0	77.5°	2213.3	1400.0	192.7	204.2	236.8	278.5	316.3	319.1	291.7	308.8
717.2	80°	588.5	386.0	147.0	160.7	185.9	229.9	275.1	273.9	244.2	228.2
266.5	82.5°	224.2	152.1	104.7	113.2	134.4	176.1	217.9	224.8	195.0	168.7
104.7	85°	86.4	65.2	64.6	68.1	78.4	116.7	164.7	170.4	147.0	124.7
29.2	87.5°	22.3	19.4	24.0	22.9	36.0	62.3	94.4	97.8	89.8	52.0
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°
1580.2
1507.6
1397.2
1296.5
1235.9
1218.7
1232.5
1251.9
1251.9
1223.3
1170.1
1100.4
1019.7
930.5
852.1
816.7
764.6
693.7
635.4
596.5
567.9
551.3
510.1
490.7
467.3
444.4
417.5
388.9
360.3
327.1
297.4
280.2
212.2
168.7
128.7
74.3
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