

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: P846718

Luminaire Tested: **GLAN-SB2C-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846718
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-SB2C-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11720 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

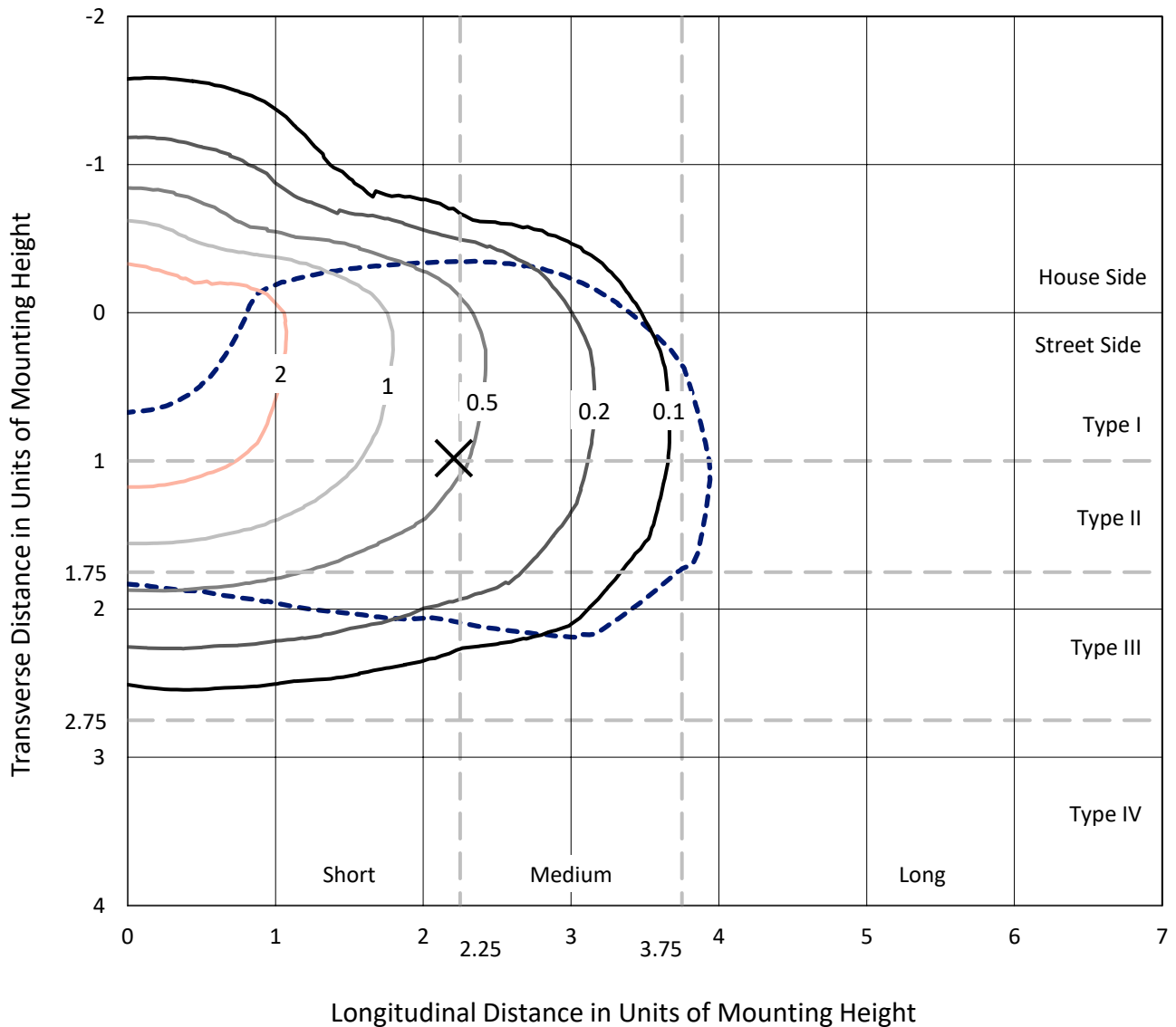
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

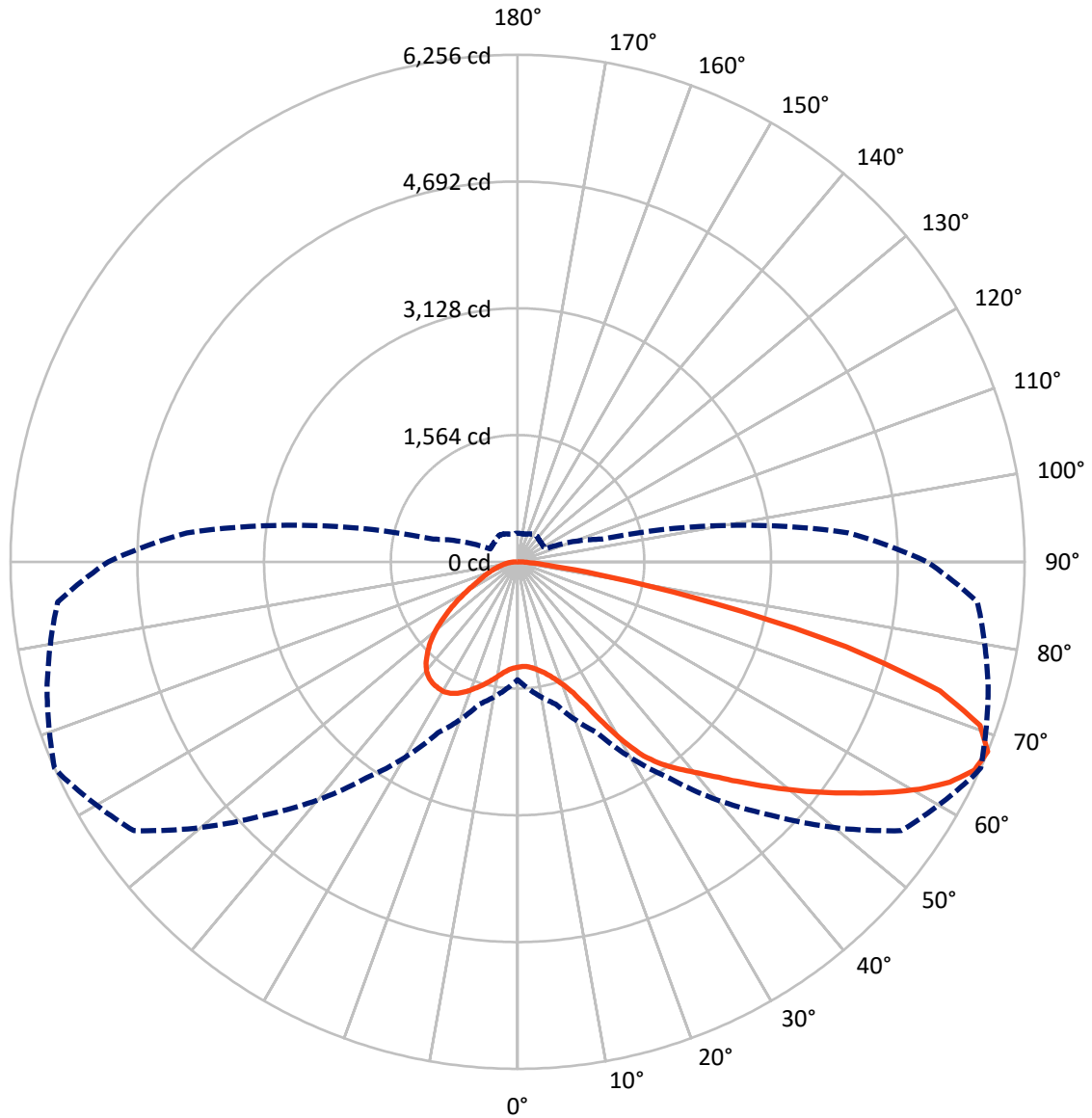
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	2914.1	0.0	2914.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	8805.9	0.0	8805.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	11720.0	0.0	11720.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.9	1.1
10°-20°	425.8	3.6
20°-30°	820.7	7.0
30°-40°	1439.0	12.3
40°-50°	2139.3	18.3
50°-60°	2711.8	23.1
60°-70°	2653.4	22.6
70°-80°	1265.7	10.8
80°-90°	135.3	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°	11720.0	100.0
0°-180°	11720.0	100.0

Coefficient of Utilization



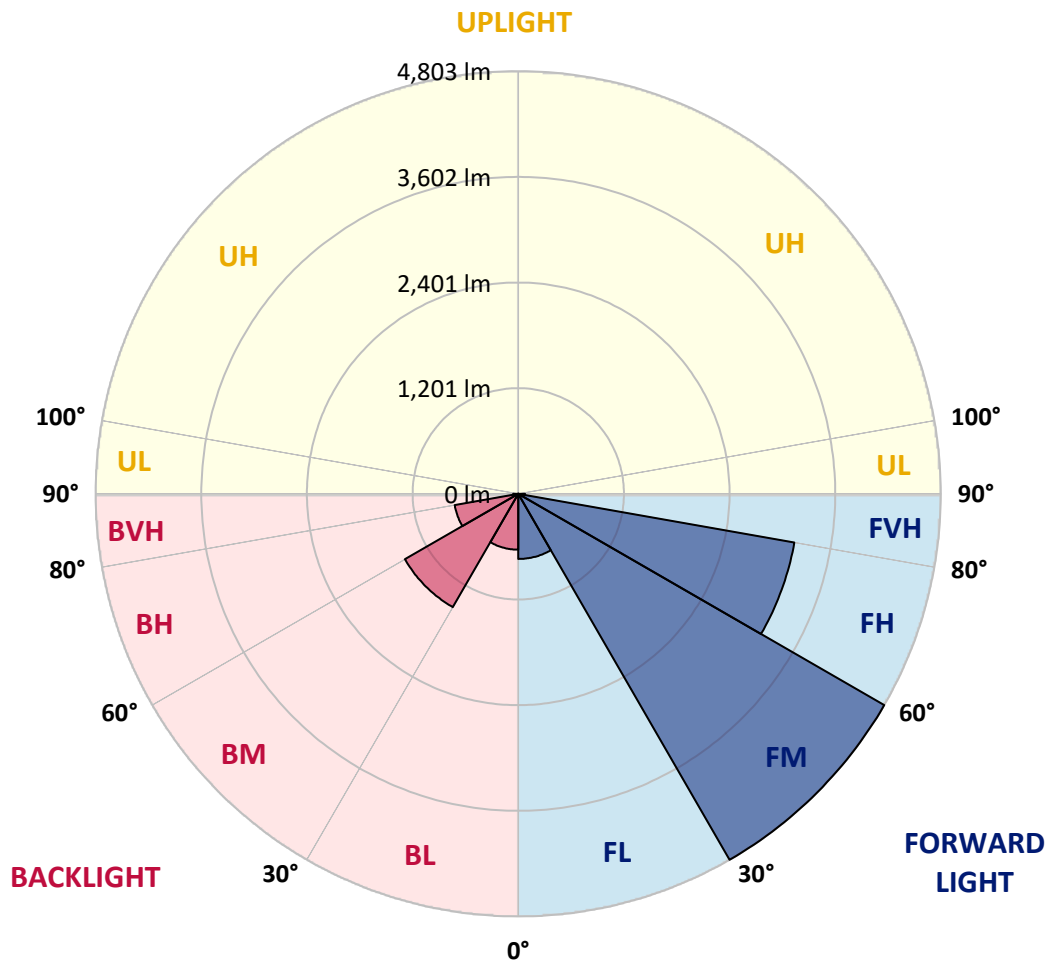
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	740.6	6.3			
FM (30°-60°)	4802.8	41.0			
FH (60°-80°)	3185.8	27.2			G2/5000
FVH (80°-90°)	76.7	0.7			G1/100
BL (0°-30°)	634.8	5.4	B2/1000		
BM (30°-60°)	1487.4	12.7	B2/2500		
BH (60°-80°)	733.3	6.3	B2/1000		G2/1000
BVH (80°-90°)	58.6	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°	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9
2.5°	1286.4	1293.7	1291.9	1288.8	1288.2	1289.4	1291.3	1293.1	1292.5	1295.6
5°	1282.7	1290.1	1289.4	1289.4	1291.9	1296.8	1299.9	1303.0	1299.9	1303.6
7.5°	1285.1	1290.7	1293.1	1295.6	1301.8	1311.0	1318.4	1325.1	1321.5	1325.8
10°	1316.5	1320.8	1323.3	1323.3	1327.6	1338.1	1345.5	1357.8	1354.7	1361.5
12.5°	1373.8	1378.1	1378.1	1375.6	1378.7	1385.5	1388.0	1401.5	1396.0	1407.0
15°	1444.0	1452.6	1445.8	1441.5	1442.8	1449.5	1448.9	1459.4	1453.8	1463.1
17.5°	1521.6	1532.7	1521.6	1521.0	1518.5	1525.9	1526.5	1535.7	1525.9	1532.7
20°	1613.3	1628.7	1619.5	1622.6	1617.0	1620.1	1623.2	1636.7	1621.3	1626.3
22.5°	1742.6	1761.1	1751.3	1763.0	1759.3	1756.8	1756.2	1780.2	1756.2	1758.0
25°	1931.1	1953.2	1936.0	1952.0	1952.0	1960.0	1969.3	2000.0	1960.0	1948.3
27.5°	2209.4	2231.6	2197.7	2207.6	2204.5	2224.2	2214.3	2290.7	2247.6	2228.5
30°	2544.4	2583.8	2519.8	2517.3	2514.2	2545.6	2559.8	2610.3	2566.6	2547.5
32.5°	2906.5	2947.7	2871.4	2849.2	2837.5	2856.6	2844.9	2885.5	2855.4	2825.8
35°	3289.5	3330.1	3257.5	3214.4	3167.6	3127.5	3085.7	3096.1	3067.8	3022.8
37.5°	3651.6	3726.1	3649.1	3602.9	3516.7	3438.5	3321.5	3272.8	3246.4	3205.1
40°	4020.4	4062.9	4004.4	3965.0	3871.4	3748.8	3561.6	3458.8	3423.1	3383.1
42.5°	4292.0	4332.6	4301.2	4274.1	4200.8	4058.6	3816.6	3687.9	3636.2	3591.2
45°	4507.5	4537.7	4517.9	4527.8	4496.4	4358.5	4080.7	3933.6	3880.0	3825.2
47.5°	4594.3	4626.3	4657.7	4716.2	4769.8	4668.2	4364.6	4199.6	4142.9	4086.9
50°	4584.5	4617.1	4708.2	4832.6	4998.9	4965.0	4663.9	4482.8	4430.5	4366.5
52.5°	4505.6	4542.6	4659.6	4866.5	5131.3	5187.3	4968.7	4775.3	4726.1	4649.7
55°	4298.7	4320.9	4496.4	4789.5	5162.7	5342.5	5267.3	5086.9	5037.7	4931.1
57.5°	3915.1	3947.1	4202.7	4582.0	5083.8	5447.8	5529.7	5414.5	5367.1	5213.8
60°	3414.5	3465.6	3758.1	4233.5	4883.1	5447.2	5768.0	5736.6	5697.2	5492.1
62.5°	2848.0	2907.1	3188.5	3740.8	4532.1	5292.6	5917.0	6006.3	5986.0	5748.9
65°	2187.2	2227.9	2508.1	3103.5	3985.9	4960.7	5934.2	6190.4	6194.1	5944.1
67.5°	1456.3	1573.3	1816.5	2328.9	3254.4	4418.2	5782.8	6220.6	6256.3	6011.2
70°	710.6	864.5	1102.9	1513.6	2328.9	3586.3	5386.8	5973.0	6052.5	5815.4
72.5°	295.0	344.8	474.8	746.9	1336.8	2420.0	4591.2	5301.8	5449.0	5152.8
75°	198.9	215.5	271.6	383.0	609.0	1193.4	3311.0	3953.3	4190.4	3891.7
77.5°	153.3	163.8	197.7	267.9	362.1	451.4	1772.2	2382.4	2505.0	2319.0
80°	120.7	128.7	147.8	195.2	256.8	241.4	604.1	1079.5	1150.3	964.9
82.5°	104.7	107.8	105.9	132.4	170.6	141.0	198.3	398.4	439.7	319.0
85°	75.7	84.4	88.1	81.9	90.5	71.4	81.3	141.0	155.2	138.5
87.5°	30.8	45.6	56.0	53.0	33.3	20.3	25.2	41.3	47.4	51.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846718
 CATALOG NUMBER: GLAN-SB2C-722-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1299.9	0°	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9
1300.5	2.5°	1301.1	1305.4	1308.5	1312.2	1314.7	1318.4	1325.8	1330.1	1330.7	1333.8
1310.4	5°	1312.8	1319.0	1325.8	1335.6	1346.7	1355.9	1370.1	1380.0	1383.6	1386.7
1334.4	7.5°	1338.1	1346.7	1359.0	1376.3	1392.3	1404.6	1421.8	1433.5	1445.2	1449.5
1372.6	10°	1375.6	1388.0	1405.8	1429.2	1446.5	1462.5	1480.3	1490.2	1501.9	1506.8
1418.1	12.5°	1422.4	1435.4	1458.8	1491.4	1507.4	1518.5	1524.7	1522.2	1524.7	1529.0
1472.9	15°	1476.0	1490.2	1516.7	1551.8	1562.8	1553.0	1539.4	1527.1	1525.3	1526.5
1539.4	17.5°	1539.4	1549.9	1580.7	1610.3	1602.2	1561.6	1532.1	1512.3	1502.5	1499.4
1624.4	20°	1628.1	1628.1	1653.4	1671.8	1618.3	1549.3	1503.1	1471.1	1450.8	1442.1
1740.2	22.5°	1735.9	1726.0	1742.0	1729.1	1615.2	1514.8	1450.8	1395.3	1364.6	1352.2
1902.1	25°	1872.6	1860.9	1856.6	1776.5	1593.0	1460.0	1355.9	1288.8	1261.7	1255.0
2135.5	27.5°	2078.9	2049.3	1993.3	1802.4	1552.4	1373.8	1245.1	1182.9	1167.5	1168.1
2435.4	30°	2353.5	2294.4	2157.1	1806.7	1485.9	1251.9	1131.8	1087.5	1080.1	1083.1
2687.2	32.5°	2607.8	2551.8	2324.6	1787.0	1383.6	1132.4	1030.2	1000.6	989.6	993.2
2879.4	35°	2807.3	2791.9	2479.7	1759.3	1258.0	1020.3	939.1	913.8	892.3	887.3
3060.4	37.5°	2995.7	2989.6	2596.1	1720.5	1133.6	940.9	865.8	832.5	801.1	783.9
3260.5	40°	3202.7	3196.5	2672.5	1660.7	1023.4	871.9	799.9	756.2	717.4	686.0
3487.1	42.5°	3435.4	3399.1	2708.8	1575.2	929.8	813.4	746.3	687.2	636.1	607.2
3743.3	45°	3689.7	3607.8	2708.2	1466.2	851.0	759.9	689.1	605.3	557.9	530.8
4006.2	47.5°	3959.4	3807.3	2674.9	1345.5	774.6	700.8	600.4	536.3	504.9	488.3
4292.0	50°	4237.8	3993.9	2618.3	1206.9	696.4	633.6	545.0	501.2	477.2	461.8
4575.2	52.5°	4499.5	4163.3	2549.9	1049.9	617.0	568.4	520.3	486.5	461.2	444.0
4849.9	55°	4742.7	4309.2	2453.3	889.2	552.4	524.6	508.6	480.3	451.4	431.0
5128.8	57.5°	4958.8	4404.0	2286.4	738.3	506.2	494.5	496.3	469.8	436.6	419.3
5403.4	60°	5138.6	4473.6	2039.4	598.5	468.6	464.9	477.2	450.1	411.3	391.6
5635.6	62.5°	5246.4	4472.4	1736.5	490.2	436.6	437.8	452.0	425.5	386.1	367.6
5756.9	65°	5237.2	4362.8	1404.0	419.3	405.8	407.0	425.5	398.4	365.2	354.1
5695.9	67.5°	5051.8	4095.5	1077.0	373.2	371.9	377.5	399.0	379.9	352.2	351.0
5332.6	70°	4550.0	3540.7	775.9	336.2	336.8	344.8	373.2	368.2	345.5	347.9
4483.5	72.5°	3648.5	2699.6	520.9	297.4	298.0	311.0	348.5	359.0	338.7	371.3
3181.1	75°	2429.9	1683.5	335.0	256.2	256.8	273.4	327.0	341.1	320.2	370.1
1655.2	77.5°	1167.5	756.8	242.6	215.5	215.5	230.9	282.6	305.4	272.8	287.6
532.0	80°	403.3	284.5	190.9	173.6	170.0	180.4	238.3	264.8	235.2	216.8
173.6	82.5°	158.9	147.8	153.3	134.9	122.5	129.3	185.3	218.6	173.0	156.4
97.9	85°	91.1	96.1	108.4	89.3	70.8	79.4	136.1	157.0	130.5	115.2
32.0	87.5°	24.6	33.9	49.9	46.2	32.0	33.9	64.7	86.8	75.1	57.9
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°
1299.9
1333.2
1386.1
1450.2
1509.3
1530.2
1530.8
1503.7
1440.3
1350.4
1256.2
1170.0
1093.6
998.2
891.0
784.5
689.1
609.0
529.6
484.6
456.3
436.6
423.0
408.3
383.0
362.1
353.5
352.8
347.3
376.2
373.2
263.6
203.2
155.8
117.6
59.7
0.0

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