

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: P846808

Luminaire Tested: **GLAN-SB2C-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846808
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-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12409 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

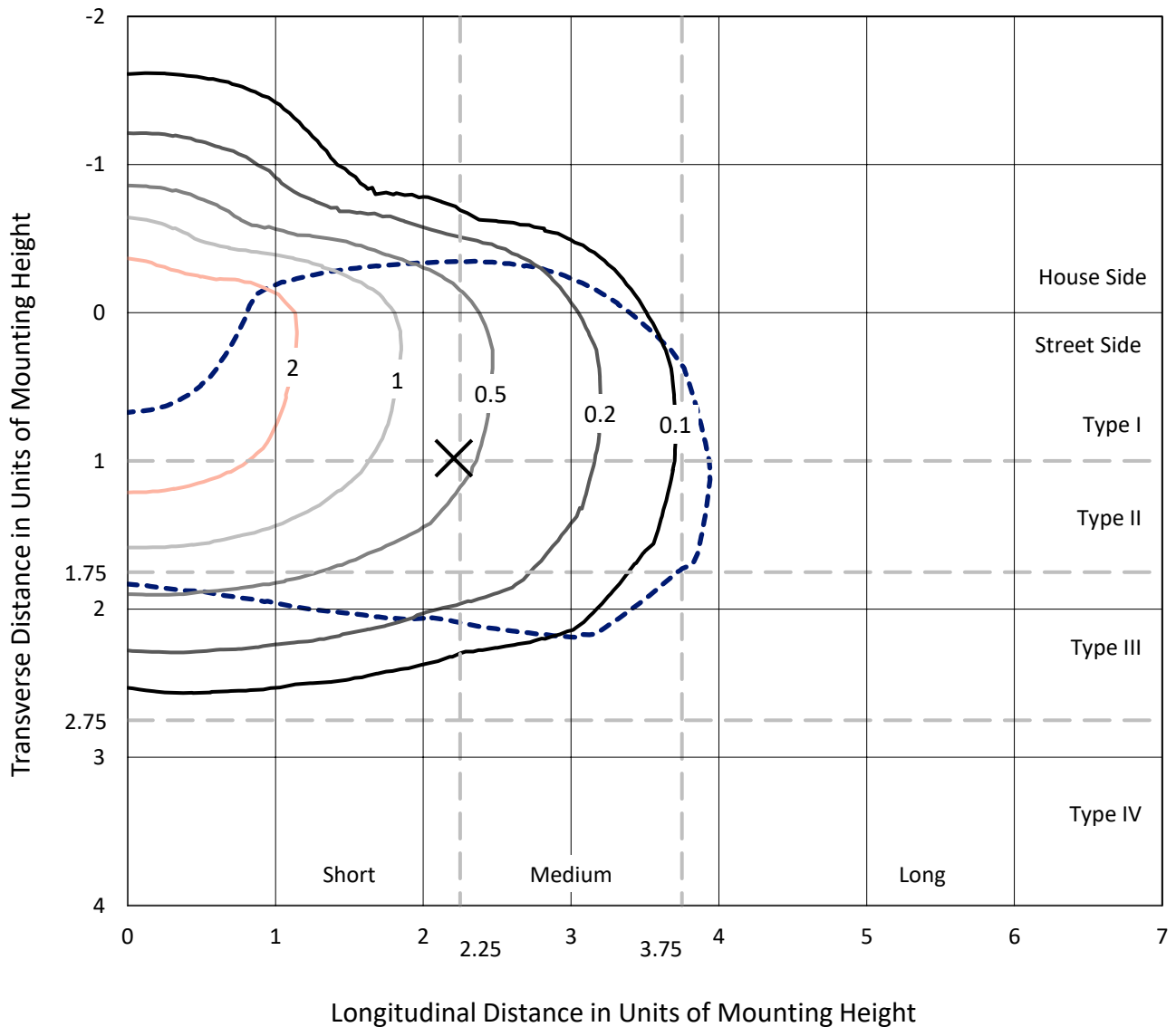
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

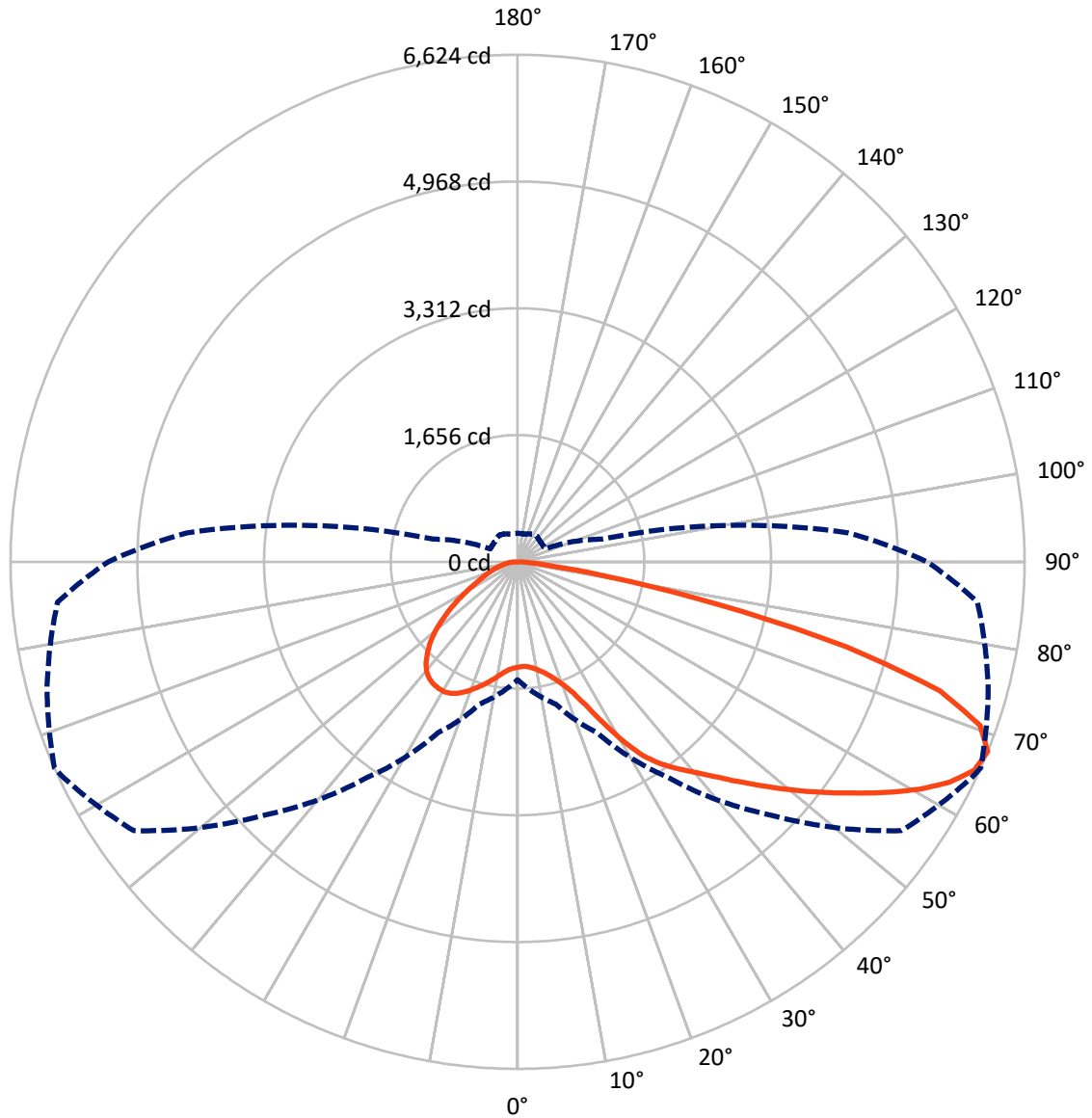
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	3085.5	0.0	3085.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	9323.5	0.0	9323.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	12409.0	0.0	12409.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	1.1
10°-20°	450.8	3.6
20°-30°	869.0	7.0
30°-40°	1523.6	12.3
40°-50°	2265.1	18.3
50°-60°	2871.2	23.1
60°-70°	2809.4	22.6
70°-80°	1340.1	10.8
80°-90°	143.2	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°	12409.0	100.0
0°-180°	12409.0	100.0

Coefficient of Utilization



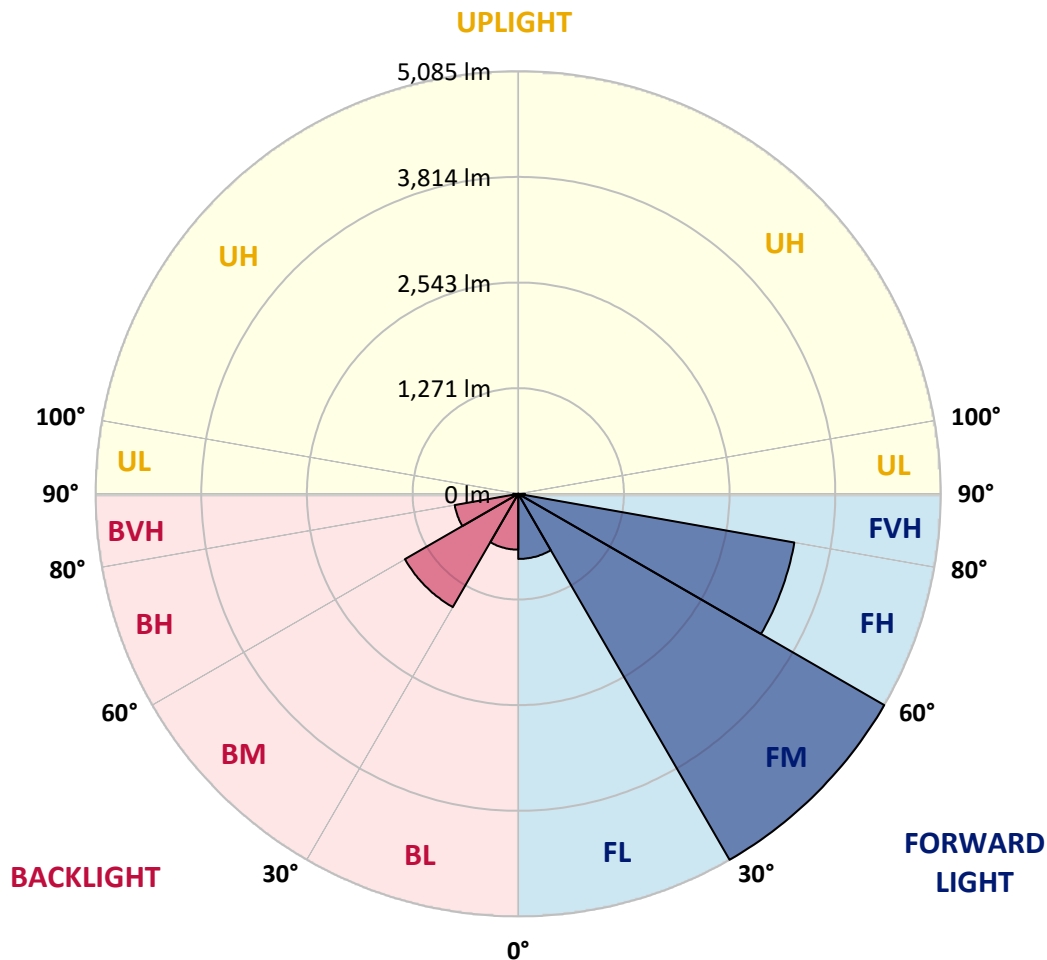
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	784.1	6.3			
FM (30°-60°)	5085.1	41.0			
FH (60°-80°)	3373.1	27.2			G2/5000
FVH (80°-90°)	81.2	0.7			G1/100
BL (0°-30°)	672.1	5.4	B2/1000		
BM (30°-60°)	1574.9	12.7	B2/2500		
BH (60°-80°)	776.5	6.3	B2/1000		G2/1000
BVH (80°-90°)	62.0	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°	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3
2.5°	1362.0	1369.8	1367.8	1364.6	1363.9	1365.2	1367.2	1369.2	1368.5	1371.8
5°	1358.1	1365.9	1365.2	1365.2	1367.8	1373.1	1376.3	1379.6	1376.3	1380.2
7.5°	1360.7	1366.5	1369.2	1371.8	1378.3	1388.1	1395.9	1403.1	1399.1	1403.7
10°	1393.9	1398.5	1401.1	1401.1	1405.7	1416.7	1424.6	1437.6	1434.3	1441.5
12.5°	1454.6	1459.1	1459.1	1456.5	1459.8	1466.9	1469.6	1483.9	1478.0	1489.8
15°	1528.9	1538.0	1530.8	1526.3	1527.6	1534.8	1534.1	1545.2	1539.3	1549.1
17.5°	1611.0	1622.8	1611.0	1610.4	1607.8	1615.6	1616.2	1626.0	1615.6	1622.8
20°	1708.2	1724.5	1714.7	1718.0	1712.1	1715.3	1718.6	1733.0	1716.7	1721.9
22.5°	1845.1	1864.7	1854.2	1866.6	1862.7	1860.1	1859.4	1884.9	1859.4	1861.4
25°	2044.6	2068.1	2049.8	2066.8	2066.8	2075.2	2085.0	2117.6	2075.2	2062.9
27.5°	2339.3	2362.8	2326.9	2337.3	2334.1	2354.9	2344.5	2425.4	2379.7	2359.5
30°	2694.0	2735.7	2667.9	2665.3	2662.0	2695.3	2710.3	2763.7	2717.4	2697.2
32.5°	3077.3	3121.0	3040.2	3016.7	3004.3	3024.5	3012.1	3055.2	3023.2	2991.9
35°	3482.9	3525.9	3449.0	3403.3	3353.8	3311.4	3267.1	3278.1	3248.1	3200.6
37.5°	3866.2	3945.1	3863.6	3814.7	3723.4	3640.6	3516.8	3465.3	3437.2	3393.5
40°	4256.8	4301.7	4239.8	4198.1	4099.0	3969.2	3771.0	3662.2	3624.3	3582.0
42.5°	4544.3	4587.3	4554.1	4525.4	4447.8	4297.2	4040.9	3904.7	3849.9	3802.3
45°	4772.5	4804.4	4783.6	4794.0	4760.7	4614.7	4320.6	4164.8	4108.1	4050.1
47.5°	4864.4	4898.3	4931.5	4993.5	5050.2	4942.6	4621.2	4446.5	4386.5	4327.2
50°	4854.0	4888.5	4985.0	5116.7	5292.7	5256.9	4938.1	4746.4	4691.0	4623.2
52.5°	4770.5	4809.6	4933.5	5152.6	5432.9	5492.2	5260.8	5056.1	5003.9	4923.1
55°	4551.4	4574.9	4760.7	5071.1	5466.2	5656.5	5577.0	5386.0	5333.8	5221.0
57.5°	4145.3	4179.2	4449.7	4851.4	5382.7	5768.0	5854.7	5732.8	5682.6	5520.3
60°	3615.2	3669.3	3979.0	4482.3	5170.2	5767.4	6107.1	6073.8	6032.1	5815.0
62.5°	3015.4	3078.0	3375.9	3960.8	4798.5	5603.7	6264.8	6359.4	6337.9	6086.9
65°	2315.8	2358.9	2655.5	3286.0	4220.2	5252.3	6283.1	6554.3	6558.2	6293.5
67.5°	1541.9	1665.8	1923.3	2465.8	3445.7	4677.9	6122.7	6586.3	6624.1	6364.6
70°	752.4	915.4	1167.7	1602.6	2465.8	3797.1	5703.5	6324.2	6408.3	6157.3
72.5°	312.3	365.1	502.7	790.8	1415.4	2562.3	4861.1	5613.5	5769.3	5455.7
75°	210.6	228.2	287.5	405.5	644.8	1263.5	3505.7	4185.7	4436.7	4120.5
77.5°	162.3	173.4	209.3	283.6	383.4	477.9	1876.4	2522.5	2652.2	2455.3
80°	127.8	136.3	156.5	206.7	271.9	255.6	639.6	1142.9	1217.9	1021.6
82.5°	110.8	114.1	112.1	140.2	180.6	149.3	209.9	421.8	465.5	337.7
85°	80.2	89.3	93.2	86.7	95.8	75.6	86.1	149.3	164.3	146.7
87.5°	32.6	48.2	59.3	56.1	35.2	21.5	26.7	43.7	50.2	54.8
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°
1376.3	0°	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3
1377.0	2.5°	1377.6	1382.2	1385.4	1389.4	1392.0	1395.9	1403.7	1408.3	1408.9	1412.2
1387.4	5°	1390.0	1396.5	1403.7	1414.1	1425.9	1435.7	1450.6	1461.1	1465.0	1468.3
1412.8	7.5°	1416.7	1425.9	1438.9	1457.2	1474.1	1487.2	1505.4	1517.8	1530.2	1534.8
1453.3	10°	1456.5	1469.6	1488.5	1513.2	1531.5	1548.4	1567.4	1577.8	1590.2	1595.4
1501.5	12.5°	1506.1	1519.8	1544.5	1579.1	1596.0	1607.8	1614.3	1611.7	1614.3	1618.9
1559.5	15°	1562.8	1577.8	1605.8	1643.0	1654.7	1644.3	1629.9	1616.9	1614.9	1616.2
1629.9	17.5°	1629.9	1641.0	1673.6	1704.9	1696.4	1653.4	1622.1	1601.3	1590.8	1587.6
1719.9	20°	1723.8	1723.8	1750.6	1770.1	1713.4	1640.4	1591.5	1557.6	1536.1	1526.9
1842.5	22.5°	1837.9	1827.5	1844.4	1830.7	1710.1	1603.9	1536.1	1477.4	1444.8	1431.7
2014.0	25°	1982.7	1970.3	1965.7	1881.0	1686.7	1545.8	1435.7	1364.6	1335.9	1328.7
2261.1	27.5°	2201.1	2169.8	2110.4	1908.3	1643.6	1454.6	1318.3	1252.4	1236.1	1236.8
2578.6	30°	2491.9	2429.3	2283.9	1912.9	1573.2	1325.5	1198.3	1151.4	1143.6	1146.8
2845.2	32.5°	2761.1	2701.8	2461.2	1892.0	1465.0	1199.0	1090.8	1059.5	1047.7	1051.6
3048.6	35°	2972.4	2956.1	2625.5	1862.7	1332.0	1080.3	994.3	967.5	944.7	939.5
3240.3	37.5°	3171.9	3165.3	2748.7	1821.6	1200.3	996.2	916.7	881.5	848.2	830.0
3452.2	40°	3390.9	3384.4	2829.6	1758.4	1083.6	923.2	846.9	800.6	759.6	726.3
3692.1	42.5°	3637.4	3598.9	2868.0	1667.8	984.5	861.3	790.2	727.6	673.5	642.8
3963.4	45°	3906.6	3819.9	2867.4	1552.4	901.0	804.5	729.6	640.9	590.7	562.0
4241.8	47.5°	4192.2	4031.2	2832.2	1424.6	820.2	741.9	635.7	567.9	534.6	517.0
4544.3	50°	4486.9	4228.7	2772.2	1277.9	737.4	670.9	577.0	530.7	505.3	489.0
4844.2	52.5°	4764.0	4408.0	2699.8	1111.6	653.3	601.8	550.9	515.1	488.3	470.1
5135.0	55°	5021.5	4562.5	2597.5	941.5	584.8	555.5	538.5	508.5	477.9	456.4
5430.3	57.5°	5250.4	4662.9	2420.8	781.7	535.9	523.5	525.5	497.5	462.3	444.0
5721.1	60°	5440.7	4736.6	2159.3	633.7	496.2	492.2	505.3	476.6	435.5	414.7
5966.9	62.5°	5554.8	4735.3	1838.6	519.0	462.3	463.6	478.6	450.5	408.8	389.2
6095.3	65°	5545.1	4619.3	1486.5	444.0	429.7	431.0	450.5	421.8	386.6	374.9
6030.8	67.5°	5348.8	4336.3	1140.3	395.1	393.8	399.7	422.5	402.3	372.9	371.6
5646.1	70°	4817.5	3748.9	821.5	356.0	356.6	365.1	395.1	389.9	365.8	368.4
4747.0	72.5°	3863.0	2858.3	551.6	314.9	315.6	329.2	369.0	380.1	358.6	393.1
3368.1	75°	2572.7	1782.5	354.7	271.2	271.9	289.5	346.2	361.2	339.0	391.8
1752.5	77.5°	1236.1	801.3	256.9	228.2	228.2	244.5	299.3	323.4	288.8	304.5
563.3	80°	427.0	301.2	202.1	183.9	179.9	191.0	252.3	280.3	249.1	229.5
183.9	82.5°	168.2	156.5	162.3	142.8	129.7	136.9	196.2	231.5	183.2	165.6
103.7	85°	96.5	101.7	114.7	94.5	75.0	84.1	144.1	166.3	138.2	121.9
33.9	87.5°	26.1	35.9	52.8	48.9	33.9	35.9	68.5	91.9	79.5	61.3
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°
1376.3
1411.5
1467.6
1535.4
1598.0
1620.2
1620.8
1592.1
1525.0
1429.8
1330.0
1238.8
1157.9
1056.9
943.4
830.6
729.6
644.8
560.7
513.1
483.1
462.3
447.9
432.3
405.5
383.4
374.2
373.6
367.7
398.4
395.1
279.0
215.2
165.0
124.5
63.2
0.0

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