

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: P846568

Luminaire Tested: **GLAN-SB2B-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846568
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-SB2B-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10885 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

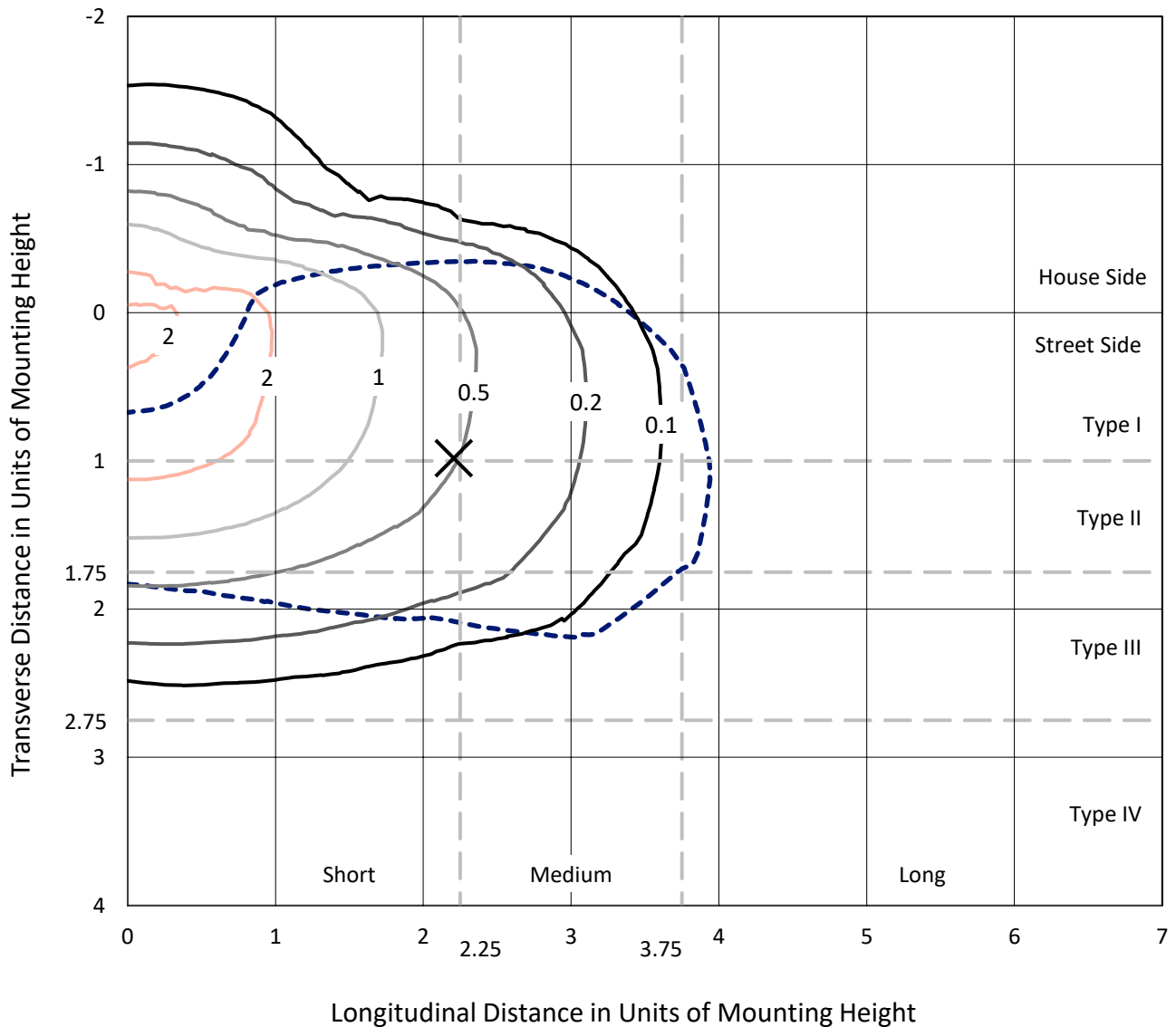
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

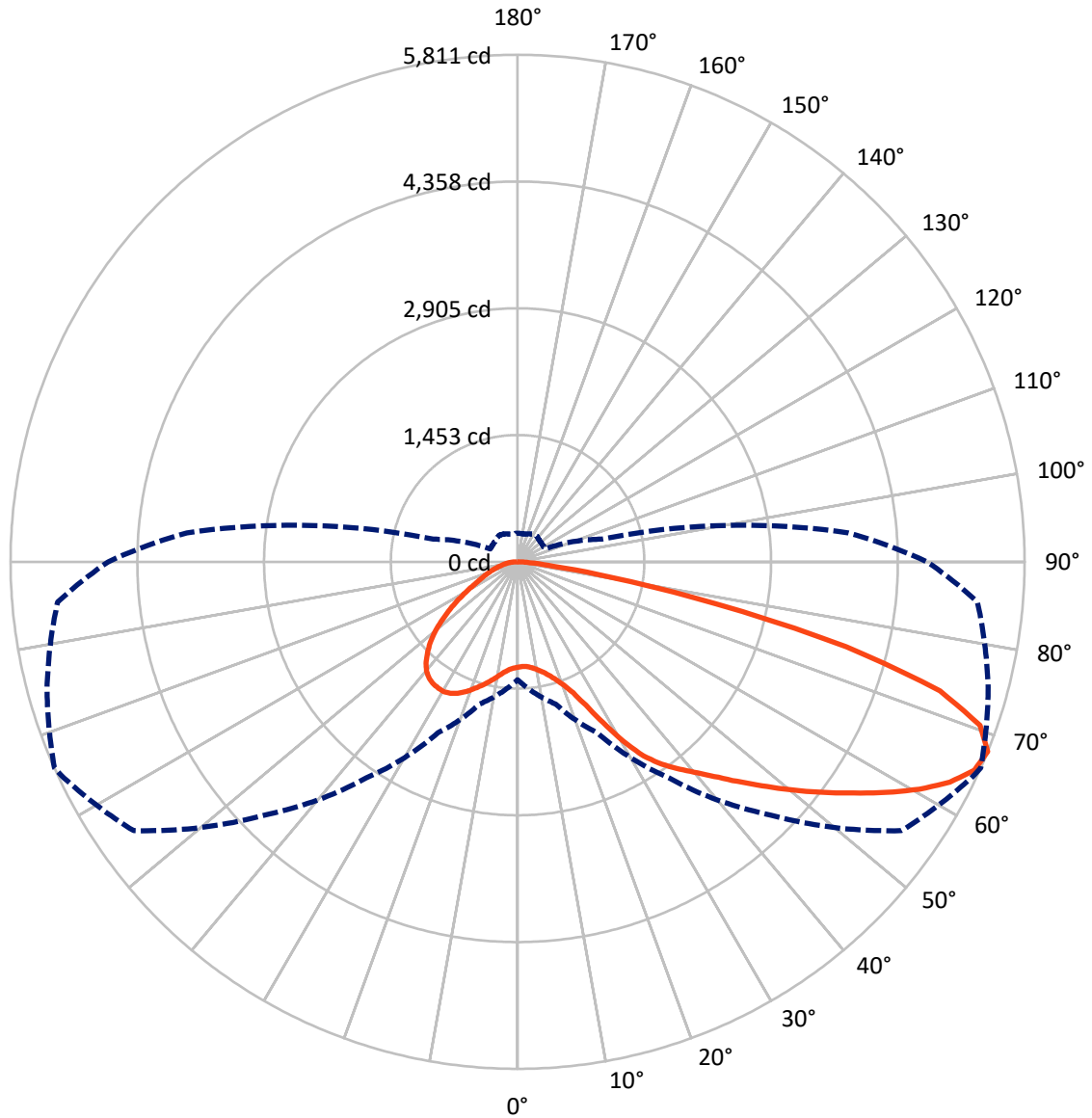
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	2706.5	0.0	2706.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	8178.5	0.0	8178.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	10885.0	0.0	10885.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	1.1
10°-20°	395.5	3.6
20°-30°	762.2	7.0
30°-40°	1336.5	12.3
40°-50°	1986.9	18.3
50°-60°	2518.6	23.1
60°-70°	2464.4	22.6
70°-80°	1175.5	10.8
80°-90°	125.6	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°	10885.0	100.0
0°-180°	10885.0	100.0

Coefficient of Utilization



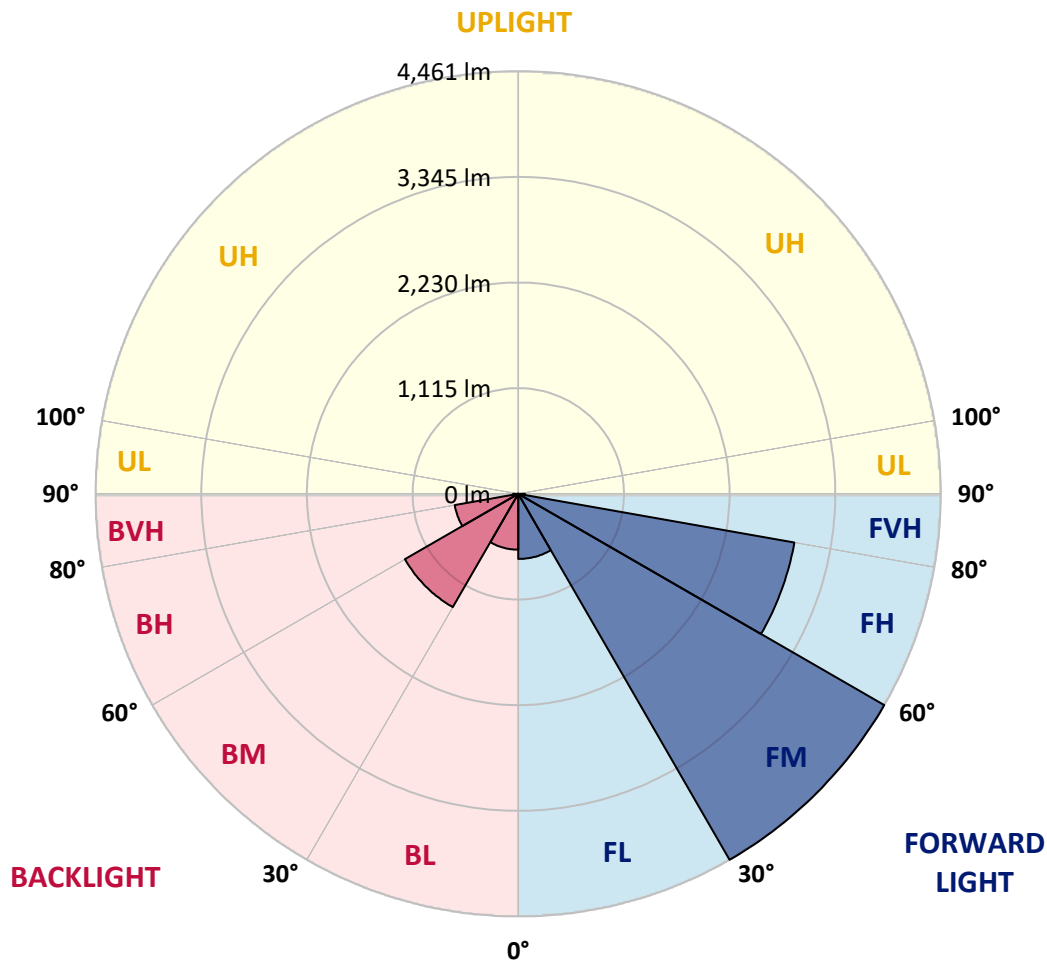
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	687.8	6.3			
FM (30°-60°)	4460.6	41.0			
FH (60°-80°)	2958.8	27.2			G2/5000
FVH (80°-90°)	71.2	0.7			G1/100
BL (0°-30°)	589.6	5.4	B2/1000		
BM (30°-60°)	1381.4	12.7	B2/2500		
BH (60°-80°)	681.1	6.3	B2/1000		G2/1000
BVH (80°-90°)	54.4	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°	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3
2.5°	1194.7	1201.6	1199.9	1197.0	1196.4	1197.6	1199.3	1201.0	1200.4	1203.3
5°	1191.3	1198.1	1197.6	1197.6	1199.9	1204.4	1207.3	1210.1	1207.3	1210.7
7.5°	1193.6	1198.7	1201.0	1203.3	1209.0	1217.6	1224.4	1230.7	1227.3	1231.3
10°	1222.7	1226.7	1229.0	1229.0	1233.0	1242.7	1249.6	1261.0	1258.2	1264.5
12.5°	1275.9	1279.9	1279.9	1277.6	1280.5	1286.8	1289.1	1301.7	1296.5	1306.8
15°	1341.1	1349.1	1342.8	1338.8	1340.0	1346.3	1345.7	1355.4	1350.3	1358.8
17.5°	1413.2	1423.5	1413.2	1412.6	1410.3	1417.2	1417.8	1426.3	1417.2	1423.5
20°	1498.4	1512.7	1504.1	1507.0	1501.8	1504.7	1507.5	1520.1	1505.8	1510.4
22.5°	1618.5	1635.6	1626.5	1637.4	1633.9	1631.6	1631.1	1653.4	1631.1	1632.8
25°	1793.5	1814.1	1798.1	1812.9	1812.9	1820.4	1829.0	1857.5	1820.4	1809.5
27.5°	2052.0	2072.6	2041.1	2050.3	2047.4	2065.7	2056.6	2127.5	2087.5	2069.7
30°	2363.1	2399.7	2340.2	2337.9	2335.1	2364.3	2377.4	2424.3	2383.7	2366.0
32.5°	2699.4	2737.7	2666.8	2646.2	2635.3	2653.1	2642.2	2679.9	2651.9	2624.5
35°	3055.1	3092.9	3025.4	2985.3	2941.9	2904.7	2865.8	2875.5	2849.2	2807.5
37.5°	3391.4	3460.6	3389.1	3346.2	3266.1	3193.5	3084.9	3039.7	3015.1	2976.8
40°	3734.0	3773.4	3719.1	3682.5	3595.6	3481.8	3307.9	3212.4	3179.2	3142.0
42.5°	3986.2	4023.9	3994.8	3969.6	3901.5	3769.4	3544.7	3425.1	3377.1	3335.3
45°	4186.3	4214.4	4196.1	4205.2	4176.0	4047.9	3790.0	3653.3	3603.6	3552.7
47.5°	4267.0	4296.7	4325.9	4380.2	4430.0	4335.6	4053.7	3900.4	3847.8	3795.7
50°	4257.8	4288.1	4372.8	4488.3	4642.7	4611.3	4331.6	4163.5	4114.9	4055.4
52.5°	4184.6	4218.9	4327.6	4519.8	4765.7	4817.7	4614.7	4435.1	4389.4	4318.5
55°	3992.5	4013.1	4176.0	4448.3	4794.8	4961.8	4892.1	4724.5	4678.8	4579.8
57.5°	3636.2	3665.9	3903.2	4255.5	4721.6	5059.6	5135.7	5028.8	4984.7	4842.3
60°	3171.2	3218.7	3490.3	3931.8	4535.2	5059.1	5357.0	5327.9	5291.3	5100.8
62.5°	2645.1	2700.0	2961.3	3474.3	4209.2	4915.5	5495.4	5578.4	5559.5	5339.3
65°	2031.4	2069.2	2329.4	2882.4	3701.9	4607.3	5511.4	5749.4	5752.8	5520.6
67.5°	1352.6	1461.2	1687.1	2162.9	3022.5	4103.4	5370.8	5777.4	5810.5	5582.9
70°	660.0	803.0	1024.3	1405.7	2162.9	3330.8	5003.0	5547.5	5621.2	5401.1
72.5°	273.9	320.3	440.9	693.7	1241.6	2247.6	4264.1	4924.1	5060.8	4785.7
75°	184.7	200.2	252.2	355.7	565.6	1108.4	3075.1	3671.6	3891.8	3614.4
77.5°	142.4	152.1	183.6	248.8	336.3	419.2	1645.9	2212.7	2326.5	2153.8
80°	112.1	119.5	137.3	181.3	238.5	224.2	561.0	1002.5	1068.3	896.2
82.5°	97.2	100.1	98.4	123.0	158.4	131.0	184.2	370.0	408.3	296.2
85°	70.3	78.4	81.8	76.1	84.1	66.3	75.5	131.0	144.1	128.7
87.5°	28.6	42.3	52.0	49.2	30.9	18.9	23.4	38.3	44.0	48.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1207.3	0°	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3
1207.9	2.5°	1208.4	1212.4	1215.3	1218.7	1221.0	1224.4	1231.3	1235.3	1235.9	1238.7
1217.0	5°	1219.3	1225.0	1231.3	1240.5	1250.8	1259.3	1272.5	1281.6	1285.1	1287.9
1239.3	7.5°	1242.7	1250.8	1262.2	1278.2	1293.1	1304.5	1320.5	1331.4	1342.3	1346.3
1274.8	10°	1277.6	1289.1	1305.7	1327.4	1343.4	1358.3	1374.9	1384.0	1394.9	1399.5
1317.1	12.5°	1321.1	1333.1	1354.8	1385.2	1400.0	1410.3	1416.0	1413.7	1416.0	1420.0
1368.0	15°	1370.9	1384.0	1408.6	1441.2	1451.5	1442.3	1429.8	1418.3	1416.6	1417.8
1429.8	17.5°	1429.8	1439.5	1468.1	1495.5	1488.1	1450.3	1422.9	1404.6	1395.4	1392.6
1508.7	20°	1512.1	1512.1	1535.6	1552.7	1503.0	1438.9	1396.0	1366.3	1347.4	1339.4
1616.2	22.5°	1612.2	1603.0	1617.9	1605.9	1500.1	1406.9	1347.4	1295.9	1267.3	1255.9
1766.6	25°	1739.2	1728.3	1724.3	1649.9	1479.5	1356.0	1259.3	1197.0	1171.8	1165.5
1983.4	27.5°	1930.7	1903.3	1851.3	1674.0	1441.8	1275.9	1156.4	1098.6	1084.3	1084.9
2261.9	30°	2185.8	2130.9	2003.4	1678.0	1380.0	1162.7	1051.2	1010.0	1003.1	1006.0
2495.8	32.5°	2422.0	2370.0	2158.9	1659.7	1285.1	1051.7	956.8	929.3	919.1	922.5
2674.2	35°	2607.3	2593.0	2303.1	1633.9	1168.4	947.6	872.2	848.7	828.7	824.1
2842.4	37.5°	2782.3	2776.6	2411.1	1597.9	1052.9	873.9	804.1	773.2	744.0	728.0
3028.2	40°	2974.5	2968.8	2482.1	1542.4	950.5	809.8	742.9	702.3	666.3	637.1
3238.7	42.5°	3190.7	3156.9	2515.8	1462.9	863.6	755.5	693.1	638.2	590.8	563.9
3476.6	45°	3426.9	3350.8	2515.2	1361.7	790.4	705.7	640.0	562.2	518.1	493.0
3720.8	47.5°	3677.3	3536.1	2484.4	1249.6	719.5	650.8	557.6	498.1	469.0	453.5
3986.2	50°	3935.8	3709.4	2431.7	1120.9	646.8	588.5	506.1	465.5	443.2	428.9
4249.3	52.5°	4178.9	3866.6	2368.3	975.1	573.0	527.9	483.3	451.8	428.4	412.3
4504.3	55°	4404.8	4002.2	2278.5	825.8	513.0	487.3	472.4	446.1	419.2	400.3
4763.4	57.5°	4605.5	4090.3	2123.5	685.7	470.1	459.2	461.0	436.4	405.5	389.5
5018.5	60°	4772.5	4154.9	1894.1	555.9	435.2	431.8	443.2	418.1	382.0	363.7
5234.1	62.5°	4872.6	4153.7	1612.8	455.2	405.5	406.6	419.8	395.2	358.6	341.4
5346.7	65°	4864.0	4051.9	1303.9	389.5	376.9	378.0	395.2	370.0	339.1	328.8
5290.1	67.5°	4691.9	3803.7	1000.3	346.6	345.4	350.6	370.6	352.9	327.1	326.0
4952.7	70°	4225.8	3288.5	720.6	312.3	312.8	320.3	346.6	342.0	320.8	323.1
4164.0	72.5°	3388.5	2507.2	483.8	276.2	276.8	288.8	323.7	333.4	314.5	344.9
2954.5	75°	2256.7	1563.6	311.1	237.9	238.5	253.9	303.7	316.8	297.4	343.7
1537.3	77.5°	1084.3	702.9	225.3	200.2	200.2	214.5	262.5	283.7	253.4	267.1
494.1	80°	374.6	264.2	177.3	161.3	157.8	167.6	221.3	245.9	218.5	201.3
161.3	82.5°	147.6	137.3	142.4	125.2	113.8	120.1	172.1	203.0	160.7	145.3
90.9	85°	84.6	89.2	100.7	82.9	65.8	73.8	126.4	145.8	121.2	106.9
29.7	87.5°	22.9	31.5	46.3	42.9	29.7	31.5	60.0	80.6	69.8	53.8
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°
1207.3
1238.2
1287.4
1346.8
1401.7
1421.2
1421.8
1396.6
1337.7
1254.2
1166.7
1086.6
1015.7
927.1
827.5
728.6
640.0
565.6
491.8
450.1
423.8
405.5
392.9
379.2
355.7
336.3
328.3
327.7
322.6
349.4
346.6
244.8
188.7
144.7
109.2
55.5
0.0

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