

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: P846836

Luminaire Tested: **GLAN-SB2C-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846836
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-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9557 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

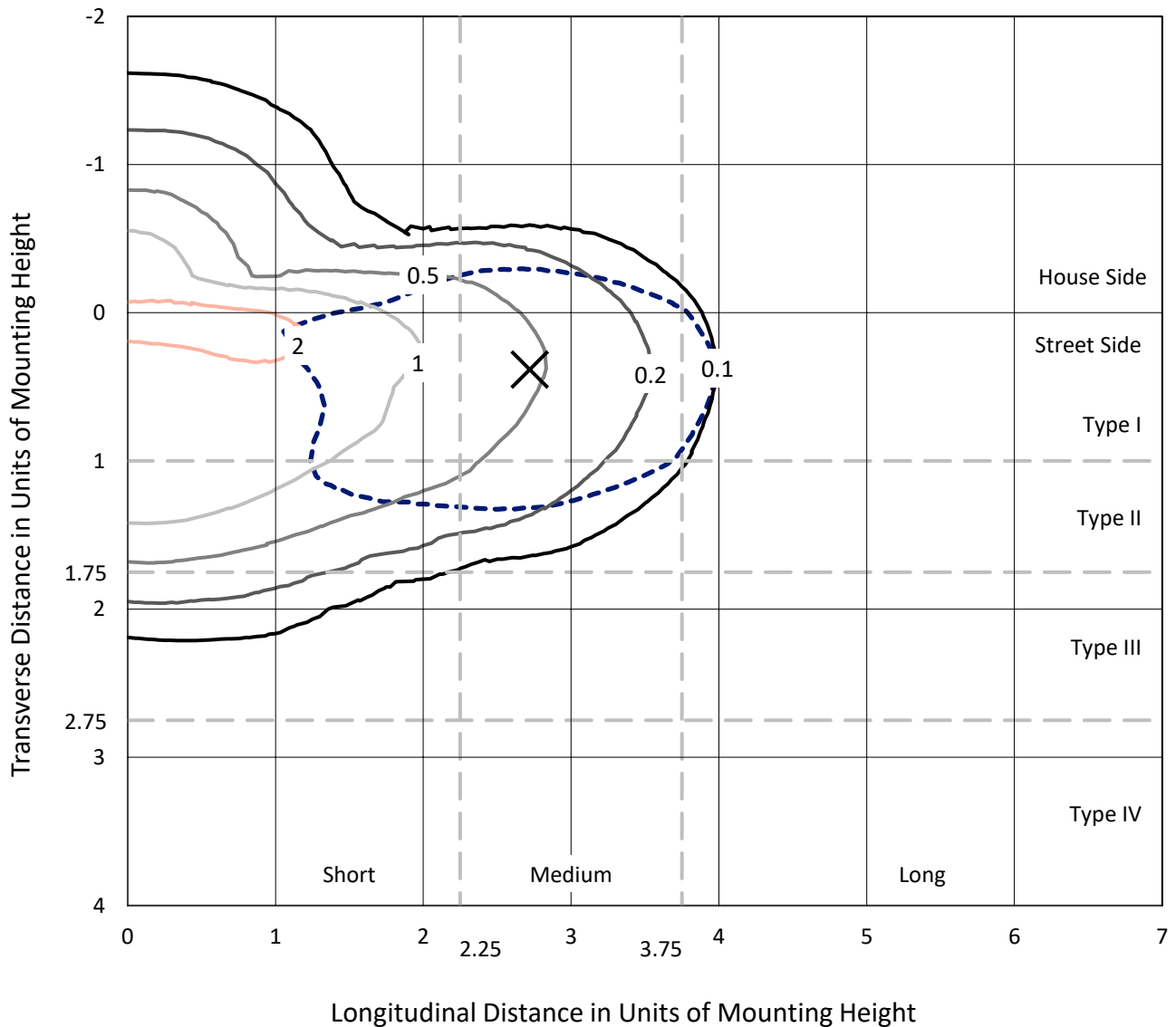
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

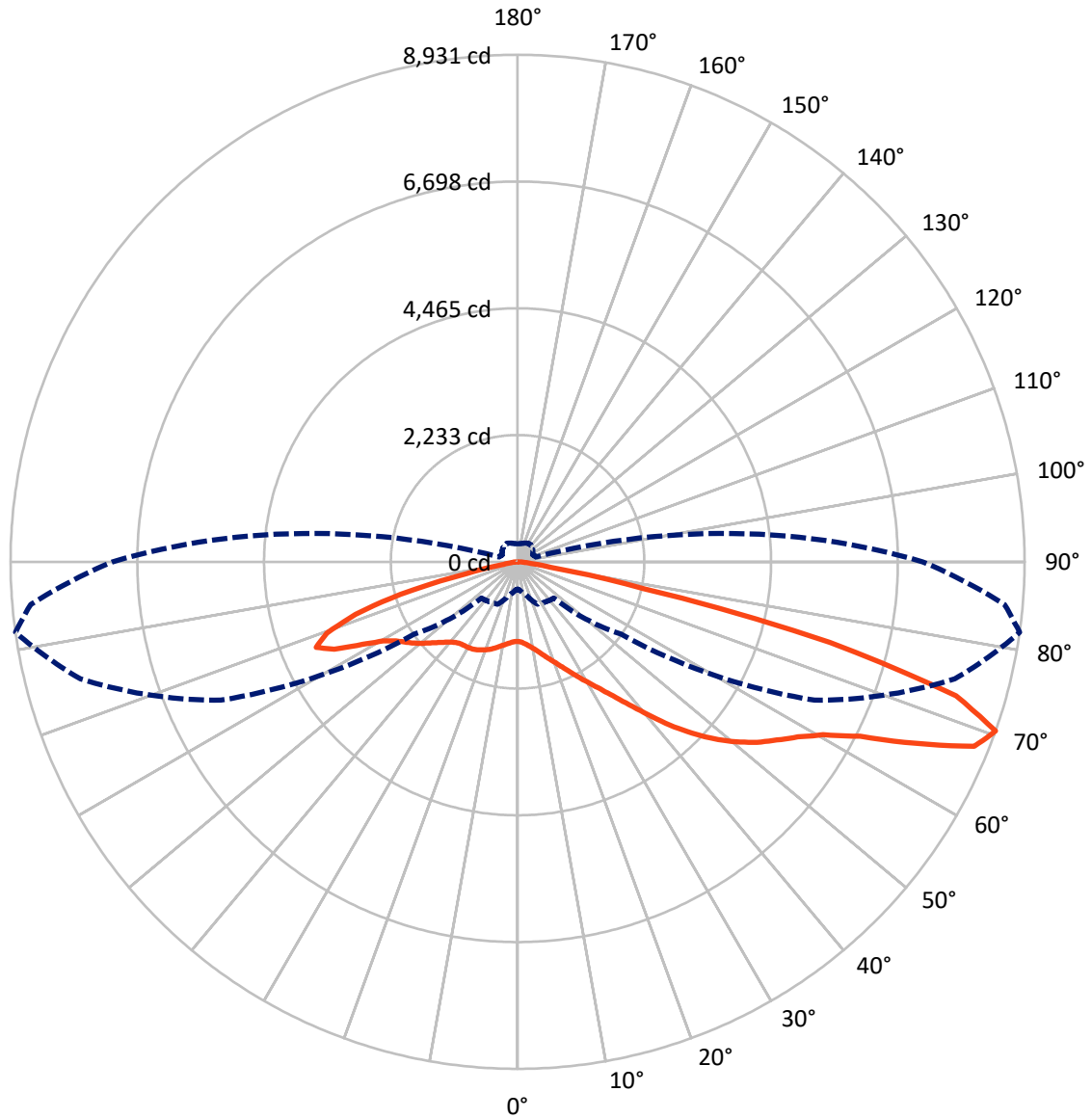
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	2356.0	0.0	2356.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	7201.0	0.0	7201.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	9557.0	0.0	9557.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.3	1.4
10°-20°	380.1	4.0
20°-30°	635.9	6.7
30°-40°	993.4	10.4
40°-50°	1582.1	16.6
50°-60°	2201.6	23.0
60°-70°	2303.0	24.1
70°-80°	1203.7	12.6
80°-90°	125.0	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°	9557.0	100.0
0°-180°	9557.0	100.0

Coefficient of Utilization

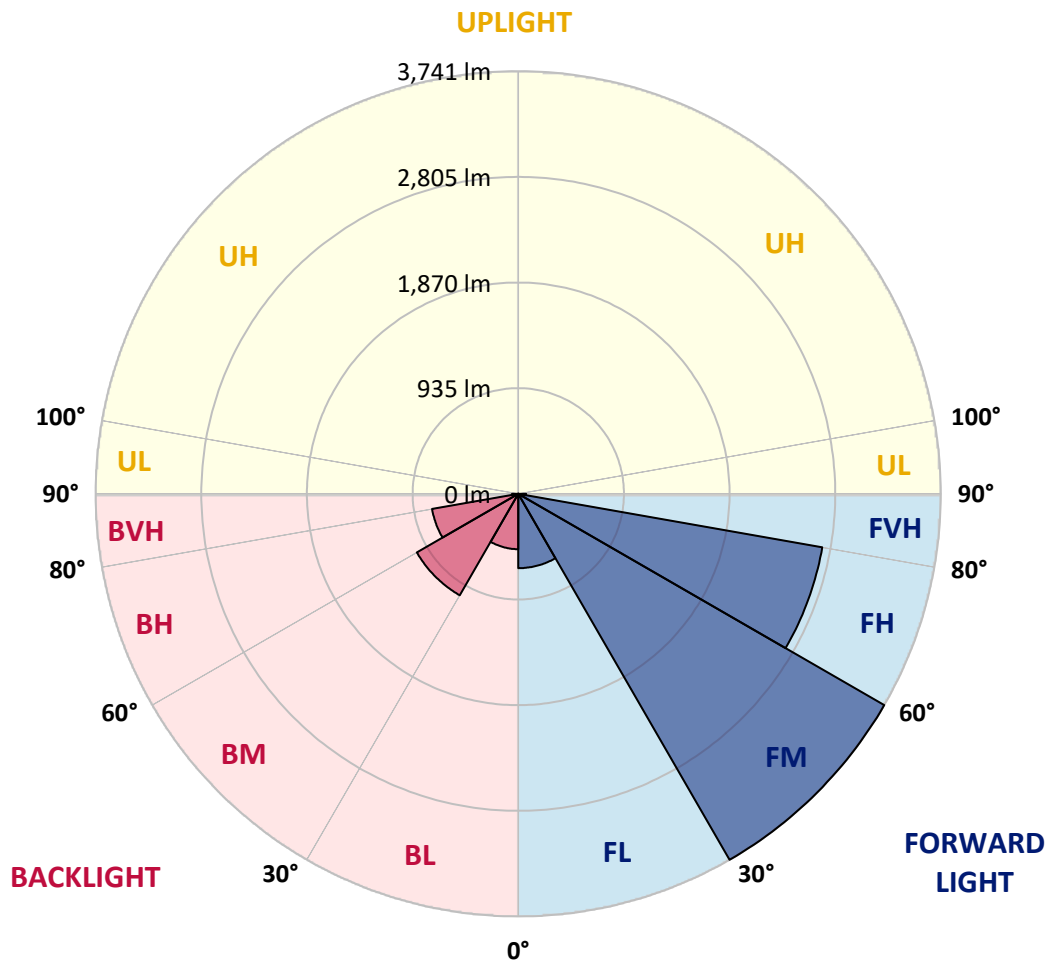


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	658.1	6.9			
FM (30°-60°)	3740.5	39.1			
FH (60°-80°)	2732.4	28.6			G2/5000
FVH (80°-90°)	70.0	0.7			G1/100
BL (0°-30°)	490.1	5.1	B1/500		
BM (30°-60°)	1036.6	10.8	B2/2500		
BH (60°-80°)	774.3	8.1	B2/1000		G2/1000
BVH (80°-90°)	55.0	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°	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2
2.5°	1434.6	1442.8	1440.2	1437.7	1437.7	1434.1	1433.6	1428.6	1424.5	1417.9
5°	1452.9	1461.5	1460.5	1462.5	1469.1	1470.7	1472.2	1469.1	1461.0	1452.9
7.5°	1436.7	1446.3	1449.4	1461.5	1481.8	1500.1	1513.8	1519.3	1511.7	1500.1
10°	1381.9	1392.6	1403.2	1432.1	1468.1	1511.2	1547.7	1569.5	1568.0	1556.9
12.5°	1270.8	1282.0	1304.8	1361.1	1427.0	1503.1	1571.1	1616.7	1632.4	1624.3
15°	1182.1	1191.7	1209.0	1266.8	1352.5	1468.1	1579.7	1668.4	1708.5	1703.9
17.5°	1179.6	1183.6	1194.3	1221.7	1287.6	1413.3	1570.6	1719.1	1795.7	1795.2
20°	1224.2	1225.7	1231.8	1237.4	1274.9	1371.8	1547.2	1761.2	1893.6	1893.6
22.5°	1286.1	1285.0	1291.1	1286.1	1304.3	1368.2	1532.5	1798.3	2002.6	2010.7
25°	1378.9	1373.8	1372.3	1360.6	1364.2	1401.2	1548.7	1840.3	2131.9	2148.7
27.5°	1502.6	1494.5	1488.9	1462.0	1452.9	1469.1	1598.4	1891.1	2276.0	2304.9
30°	1663.9	1649.2	1641.0	1594.4	1561.4	1564.0	1673.5	1958.5	2426.6	2473.2
32.5°	1884.0	1861.1	1839.3	1762.8	1702.4	1682.6	1770.4	2051.8	2589.9	2664.4
35°	2130.4	2112.2	2088.8	1970.7	1877.9	1832.2	1901.2	2182.1	2781.1	2899.2
37.5°	2367.7	2352.0	2363.2	2203.9	2084.3	2017.8	2072.6	2357.1	3016.9	3191.3
40°	2613.2	2601.0	2602.5	2450.4	2311.0	2236.4	2280.5	2576.7	3287.2	3538.7
42.5°	2879.9	2870.8	2840.4	2705.5	2548.8	2479.3	2519.9	2830.2	3577.2	3934.2
45°	3178.6	3173.1	3144.7	2990.0	2810.5	2732.4	2787.1	3110.2	3868.8	4306.5
47.5°	3436.8	3441.3	3437.8	3307.4	3121.3	3006.7	3072.1	3402.3	4140.1	4656.4
50°	3561.0	3584.8	3619.8	3579.3	3463.6	3347.0	3359.7	3684.2	4398.8	4984.5
52.5°	3496.1	3541.2	3636.6	3701.5	3746.1	3721.8	3687.8	3964.2	4642.2	5280.7
55°	3254.2	3317.6	3475.8	3632.5	3860.2	4037.2	4081.8	4274.5	4879.5	5541.3
57.5°	2813.5	2916.5	3058.4	3375.4	3758.8	4189.8	4541.3	4705.1	5131.1	5819.7
60°	2057.9	2195.8	2372.3	2843.9	3403.8	4108.2	4932.3	5366.4	5488.6	6180.3
62.5°	1317.0	1402.2	1564.5	2008.7	2652.2	3689.8	5051.9	6193.0	6094.6	6771.6
65°	901.7	956.4	1105.0	1354.5	1714.6	2746.6	4731.4	6812.7	7057.1	7708.7
67.5°	655.2	696.8	823.6	1042.1	1117.2	1625.3	3671.6	6784.3	7992.7	8674.3
70°	477.7	507.1	613.6	823.6	859.6	904.2	2224.2	5767.0	7972.5	8930.9
72.5°	354.0	374.3	445.8	639.0	695.8	610.6	1101.0	4191.4	6850.7	8077.9
75°	256.1	271.3	324.1	488.9	556.8	465.0	549.2	2449.4	4778.6	5682.3
77.5°	195.7	207.4	241.9	358.0	445.8	348.9	340.8	1126.8	2265.8	2277.0
80°	157.2	164.8	183.6	252.0	341.8	261.2	222.1	454.9	716.1	606.0
82.5°	115.6	128.3	155.2	177.0	244.4	180.0	135.4	229.7	272.3	234.3
85°	65.9	74.5	93.8	126.8	156.2	110.0	77.6	101.9	126.8	104.0
87.5°	23.3	30.4	33.0	49.7	68.0	45.6	29.9	29.4	41.6	30.9
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°
1401.2	0°	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2
1416.4	2.5°	1411.3	1408.8	1398.6	1384.9	1370.7	1357.1	1352.5	1342.9	1336.3	1332.7
1449.4	5°	1439.7	1431.6	1407.8	1377.3	1345.4	1310.9	1286.6	1264.3	1248.0	1232.8
1494.5	7.5°	1480.3	1466.1	1425.0	1371.8	1315.0	1257.7	1215.1	1182.6	1160.8	1146.6
1547.2	10°	1527.4	1505.6	1442.8	1363.1	1275.4	1193.3	1143.1	1115.2	1101.5	1093.9
1607.6	12.5°	1581.7	1550.8	1461.0	1343.4	1215.1	1121.2	1086.8	1078.6	1079.2	1079.7
1683.6	15°	1648.7	1605.5	1475.7	1300.3	1136.5	1066.0	1059.9	1073.1	1086.8	1093.4
1769.9	17.5°	1724.2	1663.4	1478.3	1229.3	1059.4	1030.5	1049.7	1078.1	1098.9	1108.1
1866.2	20°	1805.4	1722.2	1460.0	1128.9	996.0	1001.6	1036.0	1072.6	1095.4	1107.0
1976.3	22.5°	1898.2	1785.1	1416.4	1023.4	944.3	970.1	1010.7	1046.2	1070.0	1081.7
2105.6	25°	2004.1	1855.6	1347.9	934.6	899.6	934.6	975.2	1004.6	1023.9	1034.5
2250.1	27.5°	2121.8	1929.1	1256.6	864.1	860.6	898.1	931.6	954.4	964.5	972.7
2403.8	30°	2240.0	1996.0	1146.1	810.9	826.6	862.1	885.9	896.1	899.1	900.6
2575.2	32.5°	2367.7	2053.8	1030.0	766.8	794.2	827.1	841.3	845.9	831.7	822.0
2783.1	35°	2522.4	2115.7	916.4	731.8	762.2	790.6	795.2	791.1	774.4	754.6
3043.7	37.5°	2713.6	2192.8	825.6	706.9	732.3	751.0	745.5	744.5	746.0	722.6
3357.1	40°	2947.9	2293.2	759.2	687.7	707.9	712.0	696.3	704.9	712.5	677.0
3701.0	42.5°	3208.0	2414.4	717.1	674.5	687.7	678.0	653.7	663.3	662.3	615.6
4046.3	45°	3473.3	2546.3	702.4	664.8	668.9	649.6	622.7	625.3	604.0	561.9
4377.5	47.5°	3737.0	2687.7	711.5	656.7	645.6	623.8	603.0	591.8	560.4	528.9
4694.9	50°	3995.6	2836.3	745.0	640.5	613.6	600.9	585.7	565.9	532.5	505.6
4995.1	52.5°	4235.5	2985.9	782.5	613.6	573.6	581.2	571.5	548.7	515.7	488.4
5279.1	55°	4462.7	3135.5	797.2	576.6	536.0	563.9	558.3	516.2	476.7	454.4
5576.3	57.5°	4710.1	3315.6	781.0	529.4	505.6	544.1	522.8	476.2	453.4	436.6
5963.2	60°	5053.0	3598.0	746.0	471.1	476.7	514.7	478.2	458.9	434.1	415.3
6543.4	62.5°	5622.5	4124.9	689.7	413.3	442.7	471.1	456.9	437.6	412.3	394.0
7535.3	65°	6464.3	4857.2	583.7	368.2	404.7	428.5	434.1	414.8	388.5	369.2
8404.5	67.5°	7174.2	5316.7	441.7	330.6	365.6	394.0	409.8	391.0	363.1	344.3
8607.9	70°	7135.2	4983.0	337.2	293.6	331.2	360.1	380.3	365.6	335.7	318.0
7818.8	72.5°	6337.5	4168.5	272.8	256.1	296.2	324.6	348.9	337.7	307.3	290.1
5727.9	75°	4655.9	2959.1	218.1	218.1	252.5	287.5	314.4	307.3	279.4	267.3
2404.8	77.5°	1962.6	1241.4	170.9	181.0	209.9	247.0	280.4	283.0	258.6	273.8
635.9	80°	521.8	342.3	130.3	142.5	164.8	203.9	243.9	242.9	216.5	202.3
236.3	82.5°	198.8	134.9	92.8	100.4	119.2	156.2	193.2	199.3	172.9	149.6
92.8	85°	76.6	57.8	57.3	60.3	69.5	103.5	146.1	151.1	130.3	110.6
25.9	87.5°	19.8	17.2	21.3	20.3	31.9	55.3	83.7	86.7	79.6	46.1
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°
1401.2
1336.8
1238.9
1149.6
1095.9
1080.7
1092.8
1110.1
1110.1
1084.7
1037.6
975.7
904.2
825.1
755.6
724.2
678.0
615.1
563.4
528.9
503.6
488.9
452.4
435.1
414.3
394.0
370.2
344.8
319.5
290.1
263.7
248.5
188.1
149.6
114.1
65.9
0.0

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