

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: P846236

Luminaire Tested: **GLAN-SB1D-735-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846236  
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-SB1D-735-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9898 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

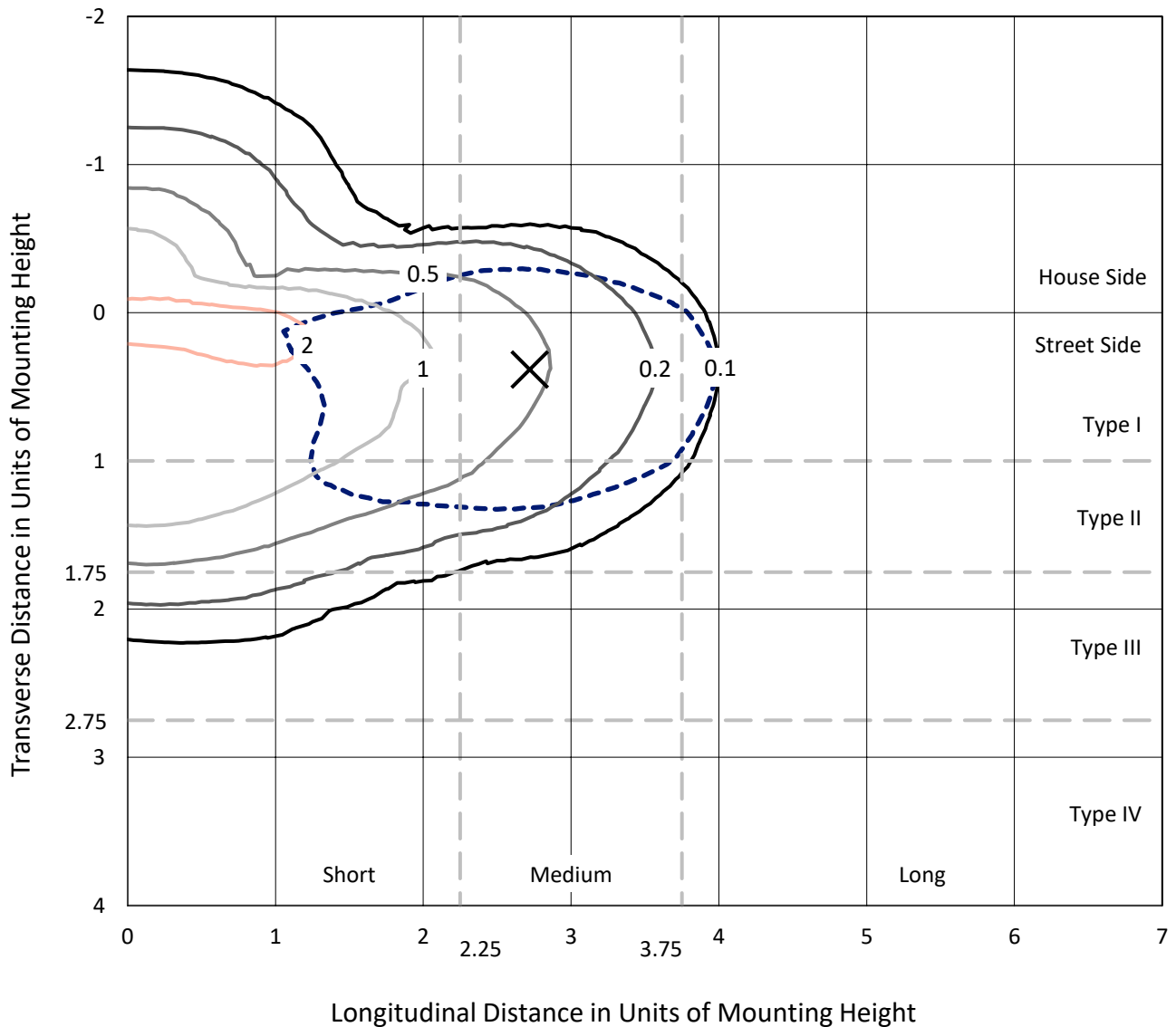
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

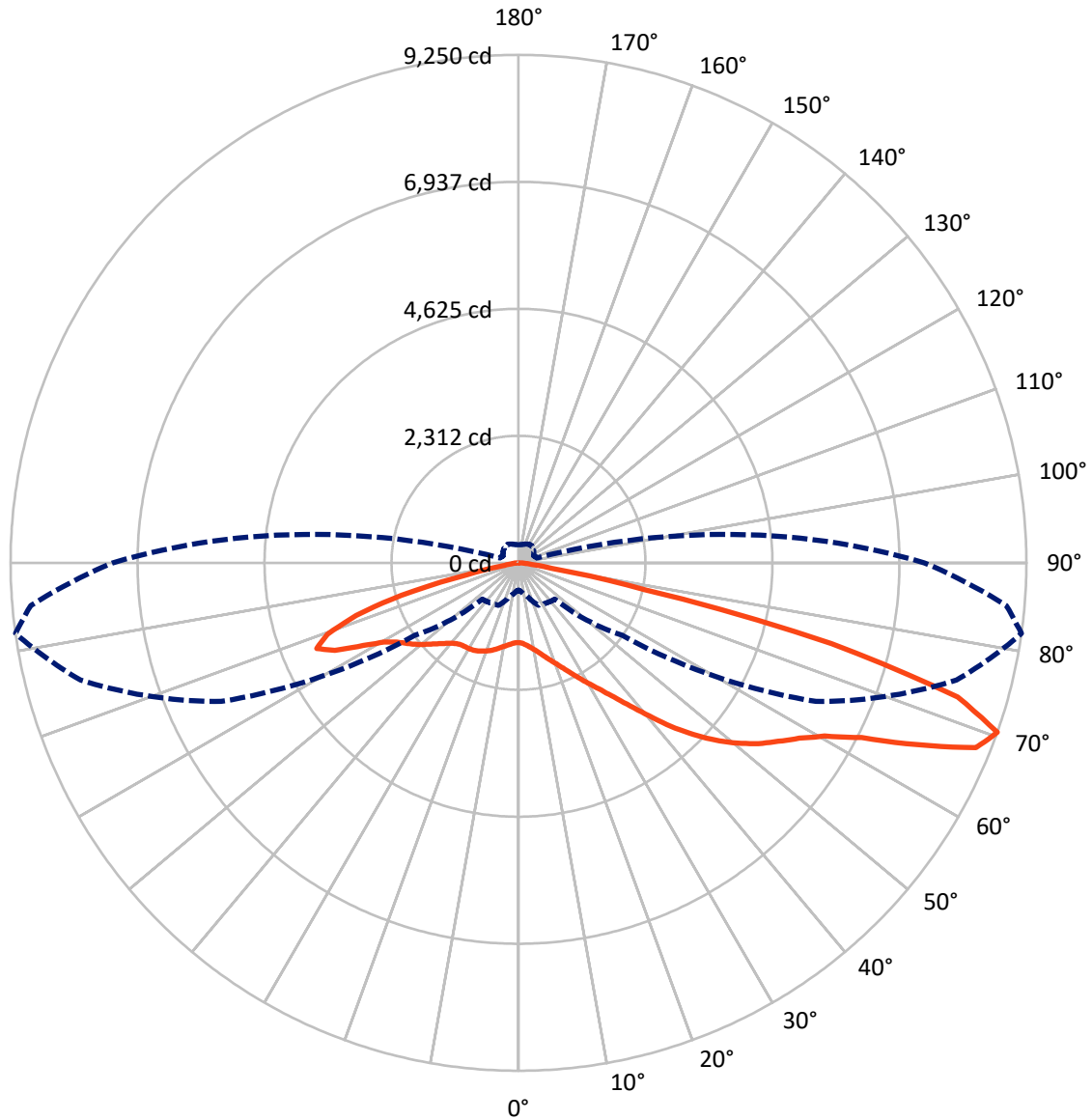
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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
<b>House Side</b>	Lumens	2440.1	0.0	2440.1
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	7457.9	0.0	7457.9
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	9898.0	0.0	9898.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.0	1.4
10°-20°	393.7	4.0
20°-30°	658.5	6.7
30°-40°	1028.8	10.4
40°-50°	1638.5	16.6
50°-60°	2280.2	23.0
60°-70°	2385.2	24.1
70°-80°	1246.6	12.6
80°-90°	129.5	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°	9898.0	100.0
0°-180°	9898.0	100.0

**Coefficient of Utilization**

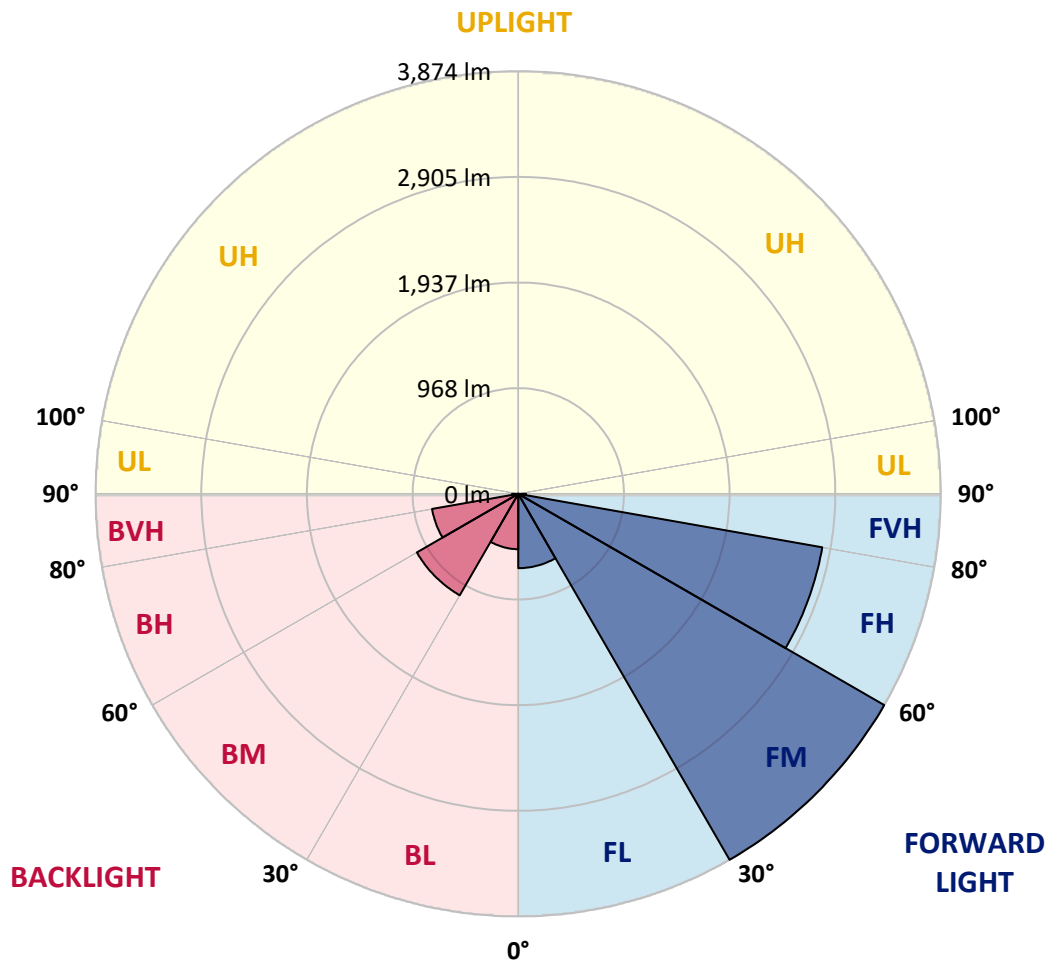


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	681.6	6.9			
FM (30°-60°)	3874.0	39.1			
FH (60°-80°)	2829.9	28.6			G2/5000
FVH (80°-90°)	72.5	0.7			G1/100
BL (0°-30°)	507.6	5.1	B2/1000		
BM (30°-60°)	1073.5	10.8	B2/2500		
BH (60°-80°)	801.9	8.1	B2/1000		G2/1000
BVH (80°-90°)	57.0	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°	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2
2.5°	1485.8	1494.2	1491.6	1489.0	1489.0	1485.3	1484.8	1479.5	1475.3	1468.5
5°	1504.7	1513.7	1512.6	1514.7	1521.5	1523.1	1524.7	1521.5	1513.1	1504.7
7.5°	1487.9	1497.9	1501.1	1513.7	1534.7	1553.6	1567.8	1573.5	1565.7	1553.6
10°	1431.2	1442.2	1453.3	1483.2	1520.5	1565.1	1603.0	1625.5	1624.0	1612.4
12.5°	1316.2	1327.7	1351.4	1409.7	1478.0	1556.7	1627.1	1674.4	1690.7	1682.3
15°	1224.3	1234.3	1252.1	1312.0	1400.7	1520.5	1636.0	1728.0	1769.5	1764.7
17.5°	1221.7	1225.9	1236.9	1265.2	1333.5	1463.8	1626.6	1780.5	1859.8	1859.3
20°	1267.9	1269.4	1275.7	1281.5	1320.4	1420.7	1602.4	1824.1	1961.2	1961.2
22.5°	1331.9	1330.9	1337.2	1331.9	1350.9	1417.0	1587.2	1862.4	2074.1	2082.5
25°	1428.1	1422.8	1421.2	1409.2	1412.8	1451.2	1604.0	1906.0	2208.0	2225.3
27.5°	1556.2	1547.8	1542.0	1514.2	1504.7	1521.5	1655.5	1958.5	2357.2	2387.1
30°	1723.2	1708.0	1699.6	1651.3	1617.1	1619.8	1733.2	2028.4	2513.2	2561.5
32.5°	1951.2	1927.5	1905.0	1825.6	1763.1	1742.7	1833.5	2125.0	2682.3	2759.5
35°	2206.4	2187.5	2163.4	2041.0	1944.9	1897.6	1969.0	2260.0	2880.3	3002.7
37.5°	2452.2	2435.9	2447.5	2282.6	2158.6	2089.8	2146.6	2441.2	3124.5	3305.2
40°	2706.4	2693.8	2695.4	2537.8	2393.4	2316.2	2361.9	2668.6	3404.4	3665.0
42.5°	2982.7	2973.2	2941.7	2802.0	2639.7	2567.8	2609.8	2931.2	3704.9	4074.6
45°	3292.1	3286.3	3256.9	3096.7	2910.7	2829.9	2886.6	3221.1	4006.9	4460.1
47.5°	3559.4	3564.1	3560.4	3425.5	3232.7	3114.0	3181.8	3523.7	4287.9	4822.5
50°	3688.1	3712.7	3749.0	3707.0	3587.2	3466.4	3479.6	3815.7	4555.7	5162.3
52.5°	3620.8	3667.6	3766.3	3833.5	3879.8	3854.6	3819.4	4105.6	4807.8	5469.1
55°	3370.3	3436.0	3599.8	3762.1	3997.9	4181.2	4227.5	4427.0	5053.6	5739.0
57.5°	2913.9	3020.5	3167.6	3495.8	3892.9	4339.3	4703.3	4872.9	5314.1	6027.4
60°	2131.3	2274.2	2457.0	2945.4	3525.2	4254.8	5108.2	5557.8	5684.4	6400.8
62.5°	1364.0	1452.2	1620.3	2080.4	2746.9	3821.5	5232.2	6413.9	6312.0	7013.2
65°	933.8	990.6	1144.4	1402.9	1775.8	2844.6	4900.3	7055.7	7308.9	7983.8
67.5°	678.6	721.6	853.0	1079.3	1157.0	1683.3	3802.6	7026.3	8277.9	8983.8
70°	494.8	525.2	635.5	853.0	890.2	936.5	2303.6	5972.8	8256.9	9249.6
72.5°	366.6	387.6	461.7	661.8	720.6	632.4	1140.2	4340.9	7095.1	8366.2
75°	265.2	281.0	335.6	506.3	576.7	481.6	568.8	2536.8	4949.1	5885.0
77.5°	202.7	214.8	250.5	370.8	461.7	361.3	352.9	1167.0	2346.7	2358.2
80°	162.8	170.7	190.1	261.0	354.0	270.5	230.0	471.1	741.6	627.6
82.5°	119.7	132.9	160.7	183.3	253.2	186.5	140.2	237.9	282.0	242.6
85°	68.3	77.2	97.2	131.3	161.8	114.0	80.4	105.6	131.3	107.7
87.5°	24.2	31.5	34.1	51.5	70.4	47.3	31.0	30.5	43.1	32.0
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°
1451.2	0°	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2
1466.9	2.5°	1461.7	1459.0	1448.5	1434.4	1419.7	1405.5	1400.7	1390.8	1383.9	1380.3
1501.1	5°	1491.1	1482.7	1458.0	1426.5	1393.4	1357.7	1332.5	1309.4	1292.6	1276.8
1547.8	7.5°	1533.1	1518.4	1475.9	1420.7	1361.9	1302.5	1258.4	1224.8	1202.2	1187.5
1602.4	10°	1581.9	1559.4	1494.2	1411.8	1320.9	1235.8	1183.8	1154.9	1140.8	1132.9
1664.9	12.5°	1638.1	1606.1	1513.1	1391.3	1258.4	1161.3	1125.5	1117.1	1117.7	1118.2
1743.7	15°	1707.5	1662.8	1528.4	1346.7	1177.0	1104.0	1097.7	1111.4	1125.5	1132.4
1833.0	17.5°	1785.7	1722.7	1531.0	1273.1	1097.2	1067.2	1087.2	1116.6	1138.1	1147.6
1932.8	20°	1869.8	1783.6	1512.1	1169.1	1031.5	1037.3	1073.0	1110.8	1134.5	1146.5
2046.8	22.5°	1965.9	1848.8	1466.9	1059.9	978.0	1004.7	1046.8	1083.5	1108.2	1120.3
2180.7	25°	2075.7	1921.8	1396.0	968.0	931.7	968.0	1010.0	1040.5	1060.4	1071.4
2330.4	27.5°	2197.5	1997.9	1301.5	895.0	891.3	930.2	964.8	988.5	999.0	1007.4
2489.5	30°	2319.9	2067.2	1187.0	839.8	856.1	892.9	917.6	928.1	931.2	932.8
2667.0	32.5°	2452.2	2127.1	1066.7	794.1	822.5	856.6	871.3	876.1	861.4	851.4
2882.4	35°	2612.4	2191.2	949.1	757.9	789.4	818.8	823.5	819.3	802.0	781.5
3152.3	37.5°	2810.4	2271.0	855.1	732.2	758.4	777.8	772.1	771.0	772.6	748.4
3476.9	40°	3053.1	2375.0	786.2	712.2	733.2	737.4	721.1	730.0	737.9	701.2
3833.0	42.5°	3322.5	2500.6	742.7	698.5	712.2	702.2	677.0	687.0	685.9	637.6
4190.7	45°	3597.2	2637.1	727.4	688.6	692.8	672.8	645.0	647.6	625.5	581.9
4533.7	47.5°	3870.3	2783.6	736.9	680.2	668.6	646.0	624.5	612.9	580.4	547.8
4862.4	50°	4138.2	2937.5	771.5	663.3	635.5	622.4	606.6	586.1	551.5	523.6
5173.4	52.5°	4386.6	3092.5	810.4	635.5	594.0	601.9	591.9	568.3	534.1	505.8
5467.5	55°	4621.9	3247.4	825.6	597.2	555.2	584.0	578.3	534.7	493.7	470.6
5775.3	57.5°	4878.2	3433.9	808.8	548.3	523.6	563.6	541.5	493.2	469.5	452.2
6176.0	60°	5233.2	3726.4	772.6	487.9	493.7	533.1	495.3	475.3	449.6	430.2
6776.9	62.5°	5823.1	4272.1	714.3	428.1	458.5	487.9	473.2	453.3	427.0	408.1
7804.2	65°	6694.9	5030.5	604.5	381.3	419.1	443.8	449.6	429.6	402.3	382.4
8704.4	67.5°	7430.2	5506.4	457.5	342.4	378.7	408.1	424.4	404.9	376.1	356.6
8915.0	70°	7389.8	5160.8	349.3	304.1	343.0	372.9	393.9	378.7	347.7	329.3
8097.8	72.5°	6563.6	4317.3	282.6	265.2	306.7	336.1	361.3	349.8	318.3	300.4
5932.3	75°	4822.0	3064.6	225.8	225.8	261.6	297.8	325.6	318.3	289.4	276.8
2490.6	77.5°	2032.6	1285.7	177.0	187.5	217.4	255.8	290.4	293.1	267.9	283.6
658.6	80°	540.4	354.5	135.0	147.6	170.7	211.1	252.6	251.6	224.3	209.6
244.8	82.5°	205.9	139.7	96.1	104.0	123.4	161.8	200.1	206.4	179.1	154.9
96.1	85°	79.3	59.9	59.3	62.5	72.0	107.1	151.3	156.5	135.0	114.5
26.8	87.5°	20.5	17.9	22.1	21.0	33.1	57.2	86.7	89.8	82.5	47.8
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°
1451.2
1384.5
1283.1
1190.7
1135.0
1119.2
1131.8
1149.7
1149.7
1123.4
1074.6
1010.5
936.5
854.5
782.6
750.0
702.2
637.1
583.5
547.8
521.5
506.3
468.5
450.6
429.1
408.1
383.4
357.1
330.9
300.4
273.1
257.4
194.9
154.9
118.2
68.3
0.0

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