

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: P940055

Luminaire Tested: **GLAN-SB2D-940-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-940-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14612 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 147.6
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



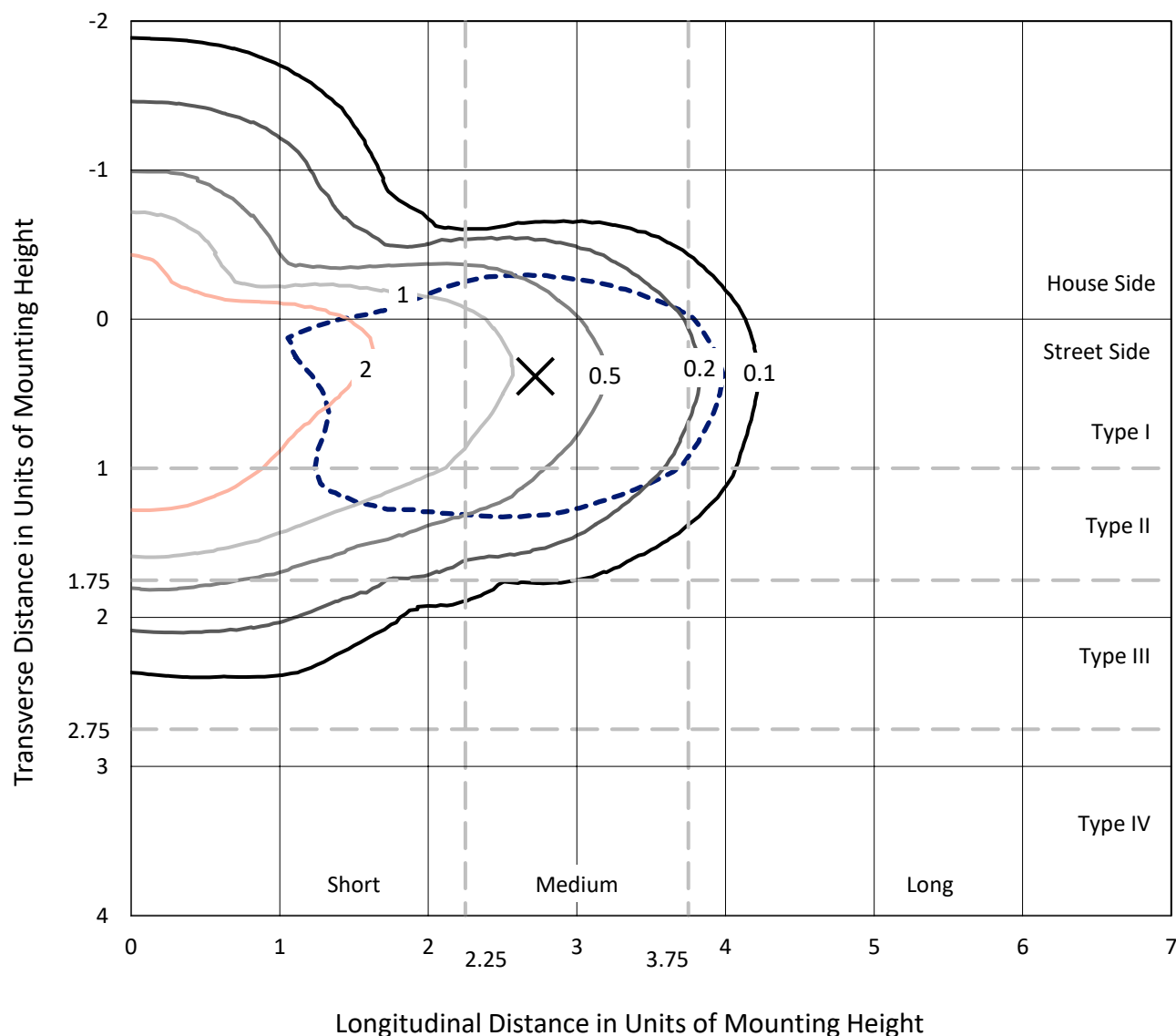
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

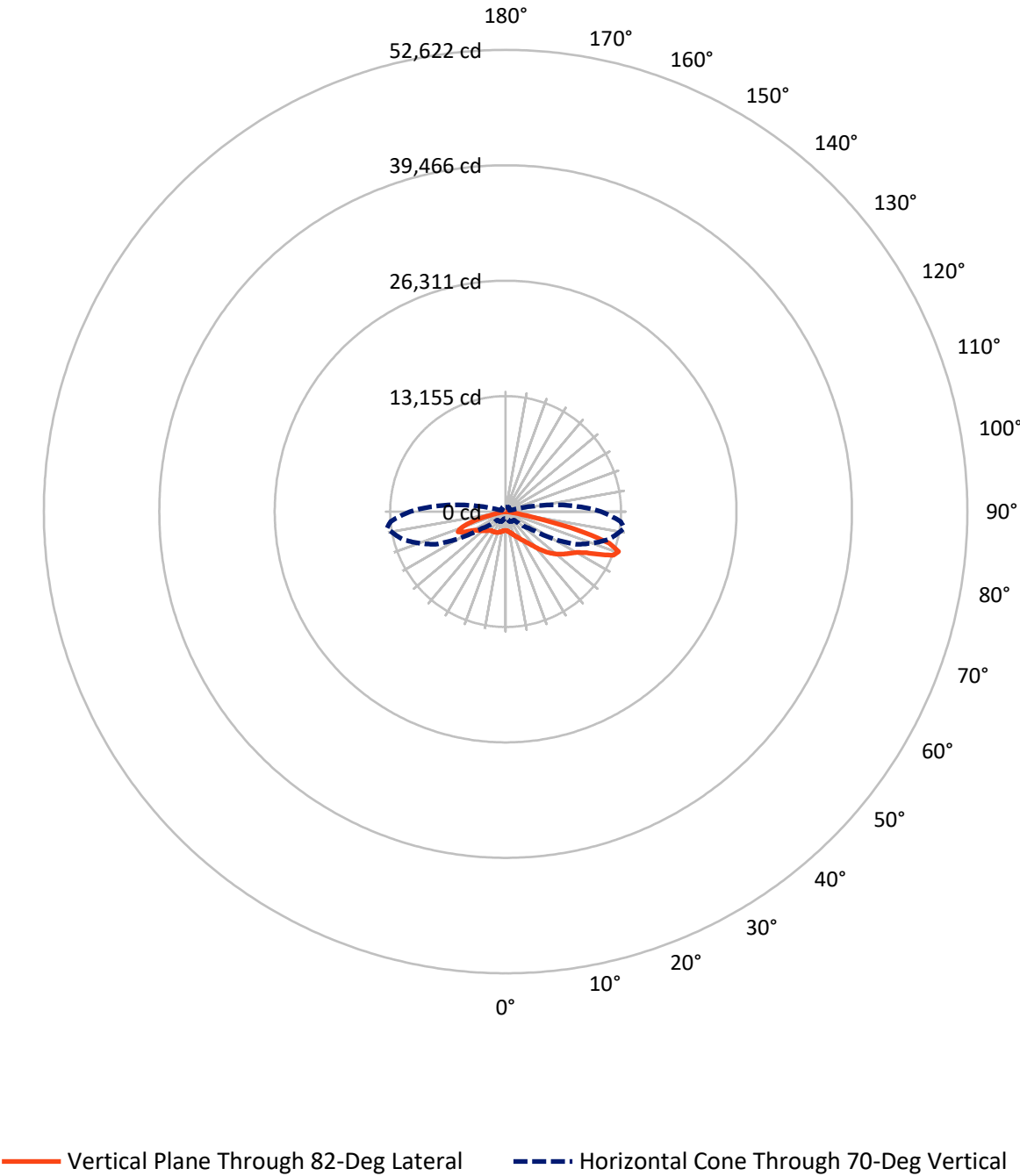
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3602.2	0.0	3602.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	11009.8	0.0	11009.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	14612.0	0.0	14612.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.3	1.4
10°-20°	581.1	4.0
20°-30°	972.2	6.7
30°-40°	1518.8	10.4
40°-50°	2418.9	16.6
50°-60°	3366.2	23.0
60°-70°	3521.1	24.1
70°-80°	1840.3	12.6
80°-90°	191.1	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°	14612.0	100.0
0°-180°	14612.0	100.0

Coefficient of Utilization



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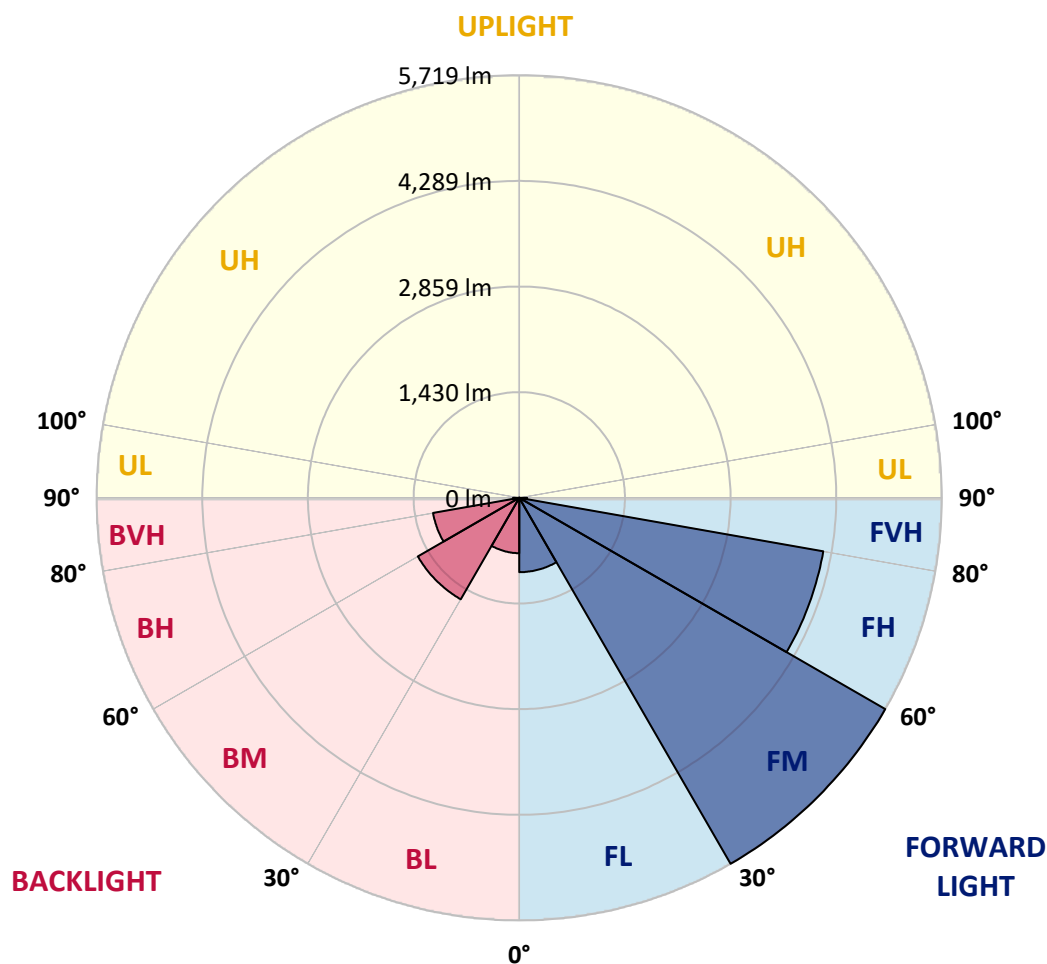
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1006.2	6.9			
FM	(30°-60°)	5719.0	39.1			
FH	(60°-80°)	4177.6	28.6			G2/5000
FVH	(80°-90°)	107.0	0.7			G2/225
BL	(0°-30°)	749.4	5.1	B2/1000		
BM	(30°-60°)	1584.8	10.8	B2/2500		
BH	(60°-80°)	1183.9	8.1	B3/2500		G3/2500
BVH	(80°-90°)	84.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2142.3	2142.3	2142.3	2142.3	2142.3	2142.3	2142.3	2142.3	2142.3	2142.3
2.5°	2193.5	2205.9	2202.0	2198.1	2198.1	2192.7	2191.9	2184.2	2178.0	2167.9
5°	2221.4	2234.6	2233.0	2236.1	2246.2	2248.5	2250.9	2246.2	2233.8	2221.4
7.5°	2196.6	2211.3	2216.0	2234.6	2265.6	2293.5	2314.4	2323.0	2311.3	2293.5
10°	2112.8	2129.1	2145.4	2189.6	2244.6	2310.6	2366.4	2399.7	2397.4	2380.3
12.5°	1943.0	1960.1	1995.0	2081.0	2181.8	2298.1	2402.0	2471.8	2495.9	2483.5
15°	1807.3	1822.1	1848.4	1936.8	2067.9	2244.6	2415.2	2550.9	2612.2	2605.2
17.5°	1803.5	1809.7	1826.0	1867.8	1968.6	2160.9	2401.3	2628.4	2745.5	2744.8
20°	1871.7	1874.0	1883.3	1891.9	1949.2	2097.3	2365.6	2692.8	2895.2	2895.2
22.5°	1966.3	1964.7	1974.1	1966.3	1994.2	2091.9	2343.1	2749.4	3061.9	3074.3
25°	2108.2	2100.4	2098.1	2080.3	2085.7	2142.3	2367.9	2813.8	3259.6	3285.2
27.5°	2297.4	2285.0	2276.4	2235.3	2221.4	2246.2	2443.9	2891.3	3479.8	3524.0
30°	2543.9	2521.4	2509.0	2437.7	2387.3	2391.2	2558.7	2994.4	3710.1	3781.4
32.5°	2880.4	2845.5	2812.2	2695.1	2602.9	2572.6	2706.8	3137.1	3959.7	4073.7
35°	3257.3	3229.3	3193.7	3013.0	2871.1	2801.4	2906.8	3336.3	4252.0	4432.7
37.5°	3620.1	3596.1	3613.1	3369.7	3186.7	3085.1	3168.9	3603.8	4612.6	4879.3
40°	3995.4	3976.8	3979.1	3746.5	3533.3	3419.3	3486.8	3939.6	5025.8	5410.4
42.5°	4403.2	4389.3	4342.8	4136.5	3896.9	3790.7	3852.7	4327.2	5469.3	6015.2
45°	4859.9	4851.4	4808.0	4571.5	4297.0	4177.6	4261.3	4755.2	5915.2	6584.3
47.5°	5254.6	5261.5	5256.1	5056.9	4772.3	4597.1	4697.1	5201.8	6330.0	7119.3
50°	5444.5	5481.0	5534.5	5472.4	5295.7	5117.3	5136.7	5632.9	6725.4	7621.0
52.5°	5345.3	5414.3	5560.1	5659.3	5727.5	5690.3	5638.4	6060.9	7097.6	8073.8
55°	4975.4	5072.4	5314.3	5553.9	5902.0	6172.6	6240.8	6535.5	7460.5	8472.3
57.5°	4301.7	4459.1	4676.2	5160.8	5746.9	6406.0	6943.3	7193.7	7845.0	8898.0
60°	3146.4	3357.3	3627.1	4348.2	5204.2	6281.1	7541.1	8204.8	8391.7	9449.2
62.5°	2013.6	2143.9	2392.0	3071.2	4055.1	5641.5	7724.1	9468.6	9318.2	10353.3
65°	1378.6	1462.3	1689.5	2071.0	2621.5	4199.3	7234.0	10416.1	10789.8	11786.1
67.5°	1001.8	1065.3	1259.2	1593.4	1708.1	2485.0	5613.6	10372.7	12220.3	13262.4
70°	730.4	775.4	938.2	1259.2	1314.2	1382.5	3400.7	8817.3	12189.3	13654.8
72.5°	541.2	572.2	681.5	976.9	1063.8	933.5	1683.3	6408.3	10474.3	12350.6
75°	391.6	414.8	495.5	747.4	851.3	711.0	839.7	3745.0	7306.2	8687.8
77.5°	299.3	317.1	369.8	547.4	681.5	533.4	521.0	1722.8	3464.3	3481.3
80°	240.4	252.0	280.7	385.4	522.6	399.3	339.6	695.5	1094.8	926.5
82.5°	176.8	196.2	237.3	270.6	373.7	275.3	207.0	351.2	416.4	358.2
85°	100.8	114.0	143.4	193.8	238.8	168.3	118.6	155.8	193.8	158.9
87.5°	35.7	46.5	50.4	76.0	103.9	69.8	45.7	45.0	63.6	47.3
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°
2142.3	0°	2142.3	2142.3	2142.3	2142.3	2142.3	2142.3	2142.3	2142.3	2142.3	2142.3
2165.6	2.5°	2157.8	2153.9	2138.4	2117.5	2095.8	2074.8	2067.9	2053.1	2043.1	2037.6
2216.0	5°	2201.2	2188.8	2152.4	2105.9	2057.0	2004.3	1967.1	1933.0	1908.1	1884.9
2285.0	7.5°	2263.3	2241.5	2178.7	2097.3	2010.5	1922.9	1857.7	1808.1	1774.8	1753.1
2365.6	10°	2335.4	2302.0	2205.9	2084.2	1950.0	1824.4	1747.6	1705.0	1684.1	1672.4
2457.9	12.5°	2418.3	2371.0	2233.8	2053.9	1857.7	1714.3	1661.6	1649.2	1650.0	1650.7
2574.2	15°	2520.7	2454.8	2256.3	1988.0	1737.6	1629.8	1620.5	1640.6	1661.6	1671.7
2706.0	17.5°	2636.2	2543.2	2260.2	1879.5	1619.7	1575.5	1605.0	1648.4	1680.2	1694.1
2853.3	20°	2760.3	2633.1	2232.2	1725.9	1522.8	1531.3	1584.0	1639.9	1674.8	1692.6
3021.6	22.5°	2902.1	2729.2	2165.6	1564.7	1443.7	1483.3	1545.3	1599.6	1636.0	1653.8
3219.3	25°	3064.2	2837.0	2060.9	1429.0	1375.5	1429.0	1491.0	1536.0	1565.4	1581.7
3440.2	27.5°	3244.1	2949.4	1921.3	1321.2	1315.8	1373.2	1424.3	1459.2	1474.7	1487.1
3675.2	30°	3424.7	3051.8	1752.3	1239.8	1263.8	1318.1	1354.5	1370.0	1374.7	1377.0
3937.2	32.5°	3620.1	3140.2	1574.7	1172.3	1214.2	1264.6	1286.3	1293.3	1271.6	1256.8
4255.1	35°	3856.6	3234.8	1401.1	1118.8	1165.4	1208.8	1215.8	1209.6	1184.0	1153.7
4653.7	37.5°	4148.9	3352.6	1262.3	1080.8	1119.6	1148.3	1139.8	1138.2	1140.5	1104.9
5132.8	40°	4507.1	3506.1	1160.7	1051.4	1082.4	1088.6	1064.6	1077.7	1089.4	1035.1
5658.5	42.5°	4904.9	3691.5	1096.3	1031.2	1051.4	1036.6	999.4	1014.2	1012.6	941.3
6186.5	45°	5310.4	3893.1	1073.9	1016.5	1022.7	993.2	952.1	956.0	923.4	859.1
6692.9	47.5°	5713.6	4109.4	1087.8	1004.1	987.0	953.7	921.9	904.8	856.8	808.7
7178.2	50°	6109.0	4336.6	1139.0	979.3	938.2	918.8	895.5	865.3	814.1	773.0
7637.2	52.5°	6475.8	4565.3	1196.4	938.2	876.9	888.6	873.8	838.9	788.5	746.7
8071.4	55°	6823.1	4794.0	1218.9	881.6	819.5	862.2	853.7	789.3	728.8	694.7
8525.8	57.5°	7201.5	5069.3	1194.0	809.5	773.0	832.0	799.4	728.1	693.2	667.6
9117.4	60°	7725.6	5501.1	1140.5	720.3	728.8	787.0	731.2	701.7	663.7	635.0
10004.4	62.5°	8596.3	6306.7	1054.5	631.9	676.9	720.3	698.6	669.1	630.4	602.4
11521.0	65°	9883.4	7426.3	892.4	562.9	618.7	655.2	663.7	634.2	593.9	564.5
12849.9	67.5°	10968.9	8128.8	675.3	505.5	559.0	602.4	626.5	597.8	555.2	526.5
13160.9	70°	10909.2	7618.6	515.6	448.9	506.3	550.5	581.5	559.0	513.3	486.1
11954.4	72.5°	9689.6	6373.4	417.1	391.6	452.8	496.2	533.4	516.4	469.9	443.5
8757.6	75°	7118.5	4524.2	333.4	333.4	386.1	439.6	480.7	469.9	427.2	408.6
3676.7	77.5°	3000.6	1898.1	261.3	276.8	321.0	377.6	428.8	432.6	395.4	418.7
972.3	80°	797.8	523.4	199.3	217.9	252.0	311.7	372.9	371.4	331.1	309.4
361.3	82.5°	303.9	206.2	141.9	153.5	182.2	238.8	295.4	304.7	264.4	228.7
141.9	85°	117.1	88.4	87.6	92.3	106.2	158.2	223.3	231.1	199.3	169.0
39.5	87.5°	30.2	26.4	32.6	31.0	48.8	84.5	127.9	132.6	121.7	70.6
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°
2142.3
2043.8
1894.2
1757.7
1675.5
1652.3
1670.9
1697.2
1697.2
1658.5
1586.4
1491.8
1382.5
1261.5
1155.3
1107.2
1036.6
940.5
861.4
808.7
769.9
747.4
691.6
665.3
633.5
602.4
566.0
527.2
488.5
443.5
403.2
379.9
287.7
228.7
174.5
100.8
0.0