

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: P946779

Luminaire Tested: **GLAN-SB2B-827-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-827-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8152 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - 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

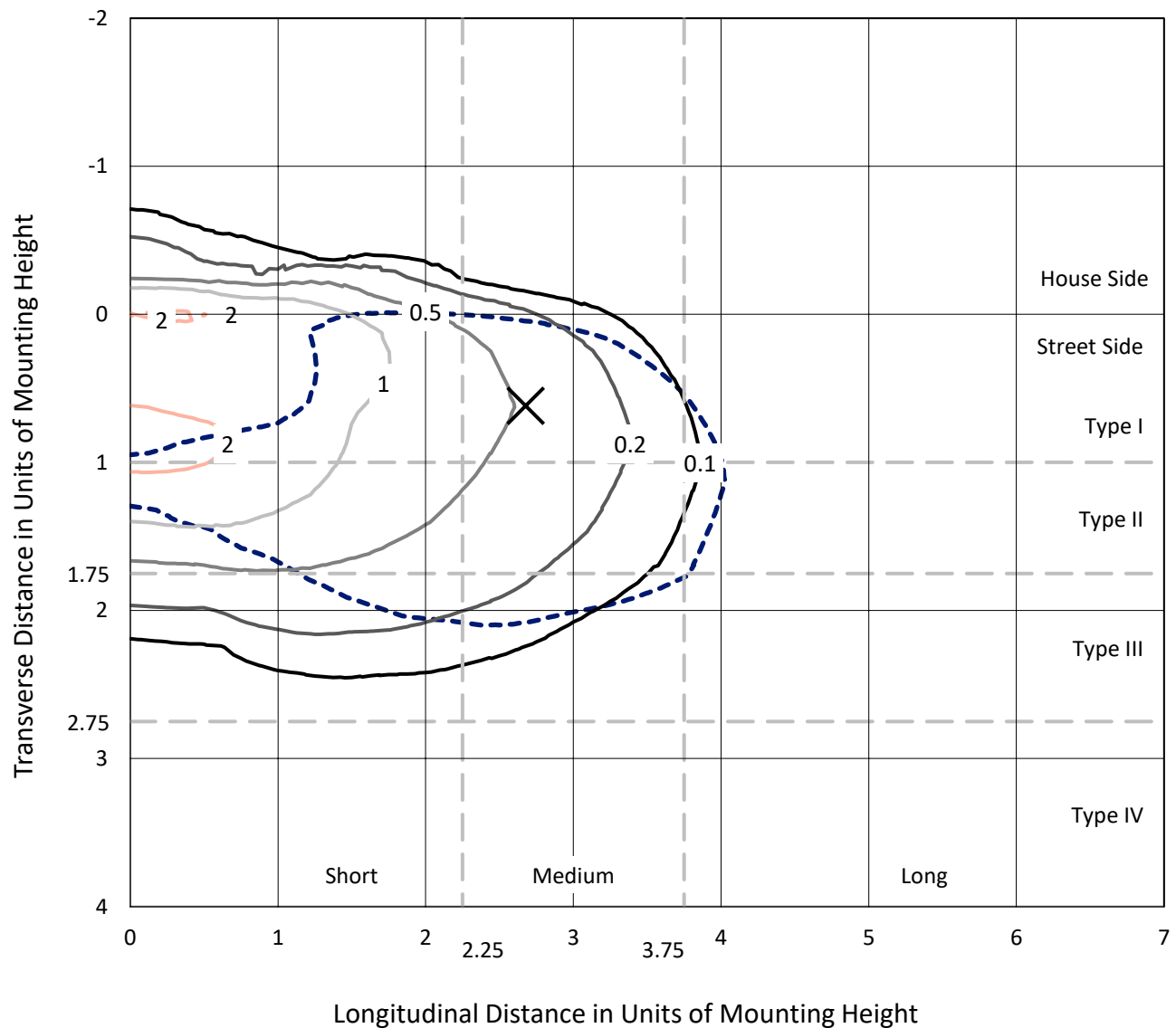


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Iso-Footcandle Lines of Horizontal Illumination

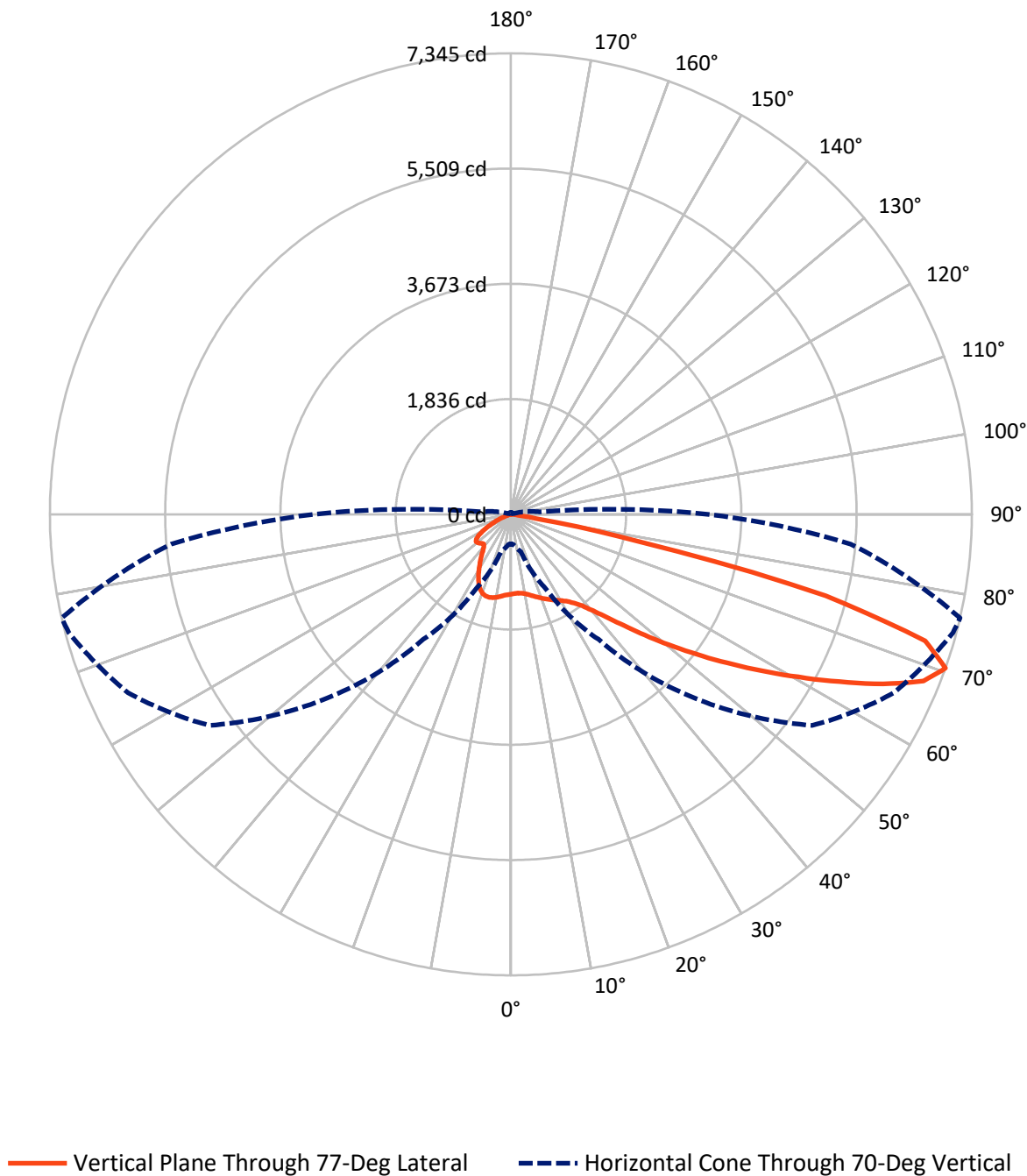
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	859.3	0.0	859.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	7292.7	0.0	7292.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	8152.0	0.0	8152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	1.3
10°-20°	260.2	3.2
20°-30°	402.4	4.9
30°-40°	730.1	9.0
40°-50°	1378.2	16.9
50°-60°	1991.4	24.4
60°-70°	2119.8	26.0
70°-80°	1123.4	13.8
80°-90°	36.9	0.5
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°	8152.0	100.0
0°-180°	8152.0	100.0

Coefficient of Utilization



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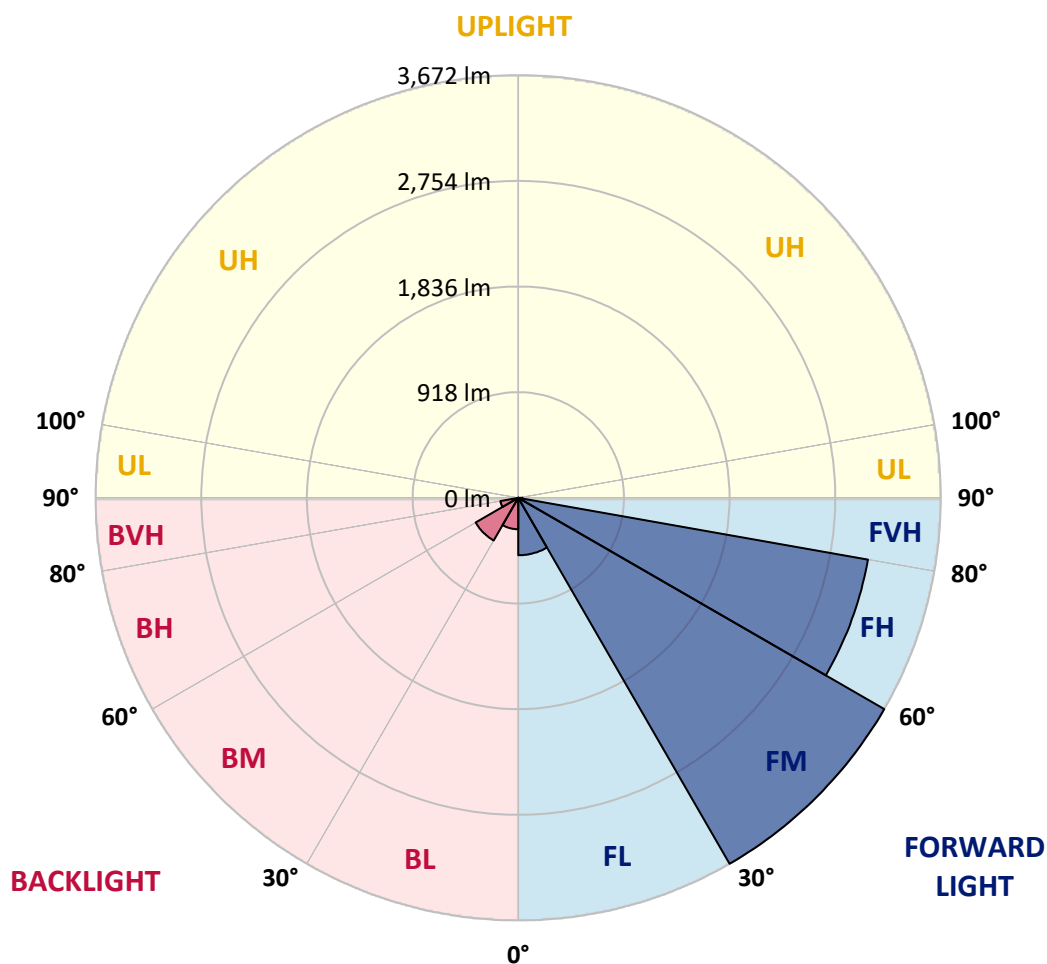
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	499.1	6.1			
FM	(30°-60°)	3672.0	45.0			
FH	(60°-80°)	3085.6	37.9			G2/5000
FVH	(80°-90°)	35.9	0.4			G1/100
BL	(0°-30°)	273.0	3.3	B1/500		
BM	(30°-60°)	427.8	5.2	B1/1000		
BH	(60°-80°)	157.5	1.9	B1/500		G1/500
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6
2.5°	1193.8	1204.6	1203.1	1210.3	1212.9	1223.2	1233.5	1247.4	1262.8	1262.3
5°	1126.4	1137.2	1139.8	1149.6	1161.9	1177.9	1199.0	1226.8	1255.6	1260.2
7.5°	1046.6	1057.9	1064.6	1084.2	1106.8	1139.8	1174.3	1214.9	1262.8	1269.5
10°	966.8	977.1	985.8	1013.6	1049.7	1098.6	1154.7	1213.4	1277.7	1287.5
12.5°	917.4	927.2	936.9	961.1	1005.9	1065.6	1141.8	1220.6	1302.5	1316.4
15°	899.9	908.6	916.4	938.0	979.7	1047.6	1139.3	1235.5	1333.9	1352.4
17.5°	902.5	907.1	912.2	928.7	969.4	1039.4	1143.9	1261.3	1370.9	1387.4
20°	917.4	920.0	920.5	931.8	967.8	1038.4	1153.2	1286.0	1405.9	1428.1
22.5°	936.4	937.5	936.4	944.1	977.6	1046.1	1165.5	1315.8	1445.1	1465.6
25°	1025.5	1005.9	981.2	966.3	994.1	1061.0	1184.0	1356.0	1487.8	1507.9
27.5°	1301.9	1245.8	1157.3	1057.9	1028.1	1082.6	1209.8	1396.7	1531.0	1549.0
30°	1750.8	1677.2	1526.9	1303.0	1137.2	1127.9	1243.3	1437.3	1576.8	1596.4
32.5°	2200.8	2182.8	2009.3	1699.4	1382.8	1228.8	1298.8	1492.4	1637.6	1653.0
35°	2655.9	2619.3	2477.2	2170.9	1761.1	1434.2	1391.5	1564.5	1717.4	1734.9
37.5°	3004.4	2982.3	2894.2	2642.0	2210.1	1751.4	1550.1	1676.2	1833.2	1852.8
40°	3312.2	3301.9	3272.1	3105.8	2712.0	2166.3	1796.7	1849.2	1993.8	2017.0
42.5°	3554.2	3578.4	3595.4	3549.1	3229.4	2639.9	2128.2	2092.2	2217.8	2241.5
45°	3801.8	3810.1	3878.5	3945.5	3743.1	3135.2	2501.9	2376.8	2496.3	2525.6
47.5°	3960.9	3993.8	4114.3	4232.2	4175.1	3626.3	2903.5	2713.0	2819.1	2874.1
50°	3972.7	4035.0	4200.8	4406.2	4489.6	4093.7	3340.0	3096.0	3208.8	3269.5
52.5°	3775.6	3872.4	4129.2	4429.9	4659.5	4489.6	3791.5	3479.0	3623.7	3703.0
55°	2894.7	3021.4	3860.0	4301.2	4666.2	4789.7	4231.2	3878.0	4086.0	4175.6
57.5°	2522.0	2585.9	3034.8	4077.8	4542.1	4910.7	4628.6	4257.9	4589.0	4700.2
60°	2098.3	2182.3	2545.2	3712.2	4373.8	4922.6	4979.7	4748.0	5134.1	5259.2
62.5°	1426.0	1517.1	1878.0	3084.2	4143.7	4916.9	5267.5	5252.5	5740.1	5874.4
65°	883.4	940.5	1178.4	2518.4	3821.9	4923.1	5568.6	5865.2	6379.4	6515.9
67.5°	698.1	724.3	848.4	1933.6	3267.5	4784.1	5869.3	6441.2	6981.3	7089.4
70°	469.0	484.9	617.2	1296.3	2430.9	4142.6	5863.6	6730.5	7291.2	7345.2
72.5°	247.1	259.5	360.9	600.3	1468.2	2944.7	4942.6	6384.6	6982.8	6901.5
75°	123.6	144.1	243.0	304.8	627.0	1642.2	3069.3	5033.7	5496.0	5181.0
77.5°	93.7	113.3	200.8	200.8	218.3	552.9	1299.9	2745.4	2532.3	2108.6
80°	59.7	77.2	175.5	151.9	91.1	140.5	338.7	769.1	538.0	409.3
82.5°	35.0	50.5	146.2	100.4	51.0	52.0	95.8	163.7	139.5	108.6
85°	13.9	32.9	100.4	39.6	20.1	12.9	28.8	35.0	28.8	21.6
87.5°	0.0	7.7	17.5	0.0	1.5	1.0	2.1	2.6	2.6	2.1
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°
1271.6	0°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6
1272.6	2.5°	1277.2	1278.3	1281.3	1281.9	1274.7	1265.4	1261.8	1260.2	1254.1	1253.5
1280.8	5°	1292.7	1297.3	1292.7	1279.3	1247.4	1202.6	1168.6	1140.8	1115.6	1107.9
1309.1	7.5°	1323.6	1328.2	1314.3	1261.8	1181.5	1092.4	1012.1	955.5	904.5	885.5
1343.6	10°	1367.8	1374.0	1330.3	1224.2	1082.1	939.0	803.1	707.3	632.7	602.3
1390.5	12.5°	1423.4	1426.0	1339.0	1167.1	952.9	748.5	556.0	453.5	387.1	362.4
1447.1	15°	1484.7	1481.1	1340.0	1089.3	776.8	529.2	362.9	298.1	271.3	263.1
1503.7	17.5°	1549.0	1534.1	1319.4	977.1	583.8	361.9	269.2	253.8	249.2	247.1
1559.9	20°	1612.4	1578.9	1281.9	830.4	419.1	270.3	244.5	239.9	237.3	236.3
1616.5	22.5°	1670.0	1612.9	1217.5	660.0	304.2	238.9	231.1	227.0	222.4	220.3
1671.6	25°	1726.1	1632.4	1126.9	500.9	243.5	223.4	217.2	209.5	203.3	200.8
1730.8	27.5°	1780.7	1644.8	1013.6	370.7	217.2	209.0	197.7	186.9	182.2	181.2
1794.1	30°	1838.9	1648.9	884.9	276.4	201.3	191.0	174.5	162.2	159.6	160.1
1879.5	32.5°	1909.9	1655.1	755.2	226.5	187.9	169.4	149.8	136.9	134.9	136.9
2004.1	35°	1994.9	1667.4	630.1	208.5	176.1	147.2	126.1	115.3	113.3	114.8
2163.7	37.5°	2110.2	1687.5	513.3	204.9	166.3	128.7	106.0	97.3	97.3	97.8
2359.3	40°	2263.6	1741.1	408.8	202.3	161.1	114.8	89.6	86.0	87.5	88.5
2608.5	42.5°	2450.5	1854.8	338.2	199.2	155.5	108.6	81.3	79.8	82.4	83.4
2907.1	45°	2660.0	1999.0	313.5	194.1	150.3	112.7	77.7	75.7	78.8	79.3
3241.7	47.5°	2876.7	2140.0	310.4	188.4	145.2	118.9	76.7	72.1	75.7	76.2
3599.0	50°	3096.0	2232.2	313.5	179.7	136.9	118.9	77.2	68.5	71.6	73.1
3969.7	52.5°	3316.9	2274.4	311.5	160.6	122.5	111.7	77.2	65.4	68.5	69.5
4370.2	55°	3531.0	2266.2	280.1	132.3	104.0	98.8	75.2	62.8	64.9	65.4
4748.5	57.5°	3700.4	2151.4	221.9	103.0	84.4	82.4	68.5	59.7	61.3	60.7
5095.5	60°	3789.0	1899.1	158.6	79.3	66.4	64.9	60.2	55.6	56.6	54.1
5389.5	62.5°	3790.0	1565.5	106.0	62.8	53.0	51.5	51.5	49.9	48.9	43.8
5617.0	65°	3709.2	1195.4	70.5	49.9	42.7	40.2	43.2	42.7	39.1	31.9
5686.5	67.5°	3525.9	783.5	53.5	39.1	32.9	31.4	34.5	36.0	33.5	26.8
5433.2	70°	3149.1	456.1	44.3	30.4	24.7	23.2	27.8	30.9	27.8	21.6
4644.0	72.5°	2615.7	246.1	36.0	22.7	17.0	15.4	22.1	25.2	22.1	16.0
2979.7	75°	1697.3	131.8	27.8	14.9	8.8	9.8	16.5	18.5	15.4	10.3
874.7	77.5°	569.9	58.2	17.5	7.2	4.1	4.1	9.8	11.3	7.2	3.6
159.1	80°	127.2	24.2	7.2	3.1	1.5	1.5	2.1	2.1	1.0	0.0
48.9	82.5°	41.7	9.8	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
12.4	85°	16.0	3.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.1	87.5°	6.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
1271.6
1254.6
1103.2
877.7
589.5
354.7
263.1
246.6
235.3
219.8
199.7
180.2
160.1
136.4
114.3
97.3
88.5
83.4
79.8
76.7
73.6
69.5
65.4
60.7
53.5
42.2
30.9
26.3
20.6
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9.3
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