

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: P945725

Luminaire Tested: **GLAN-SB1C-830-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-830-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5699 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

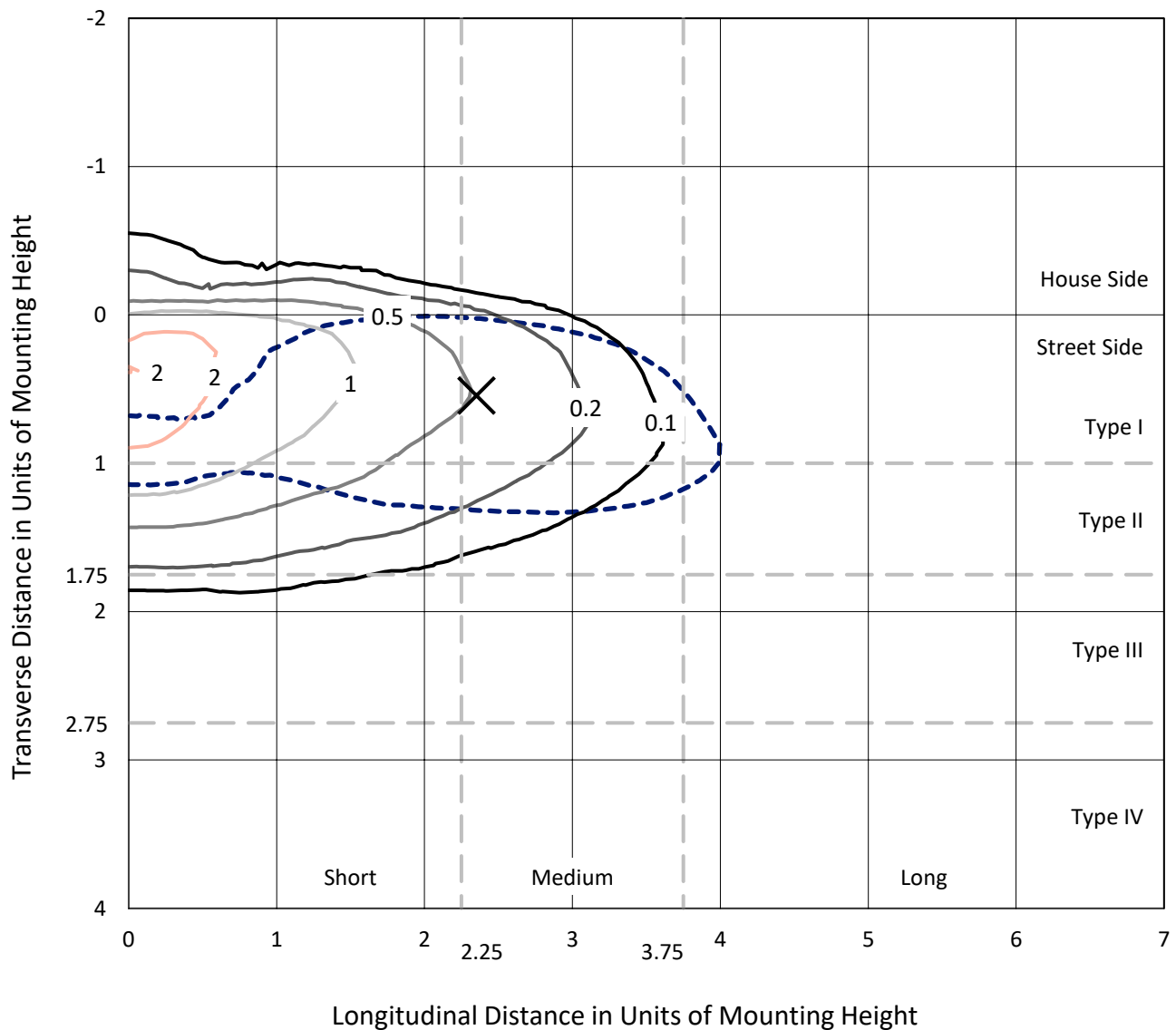
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

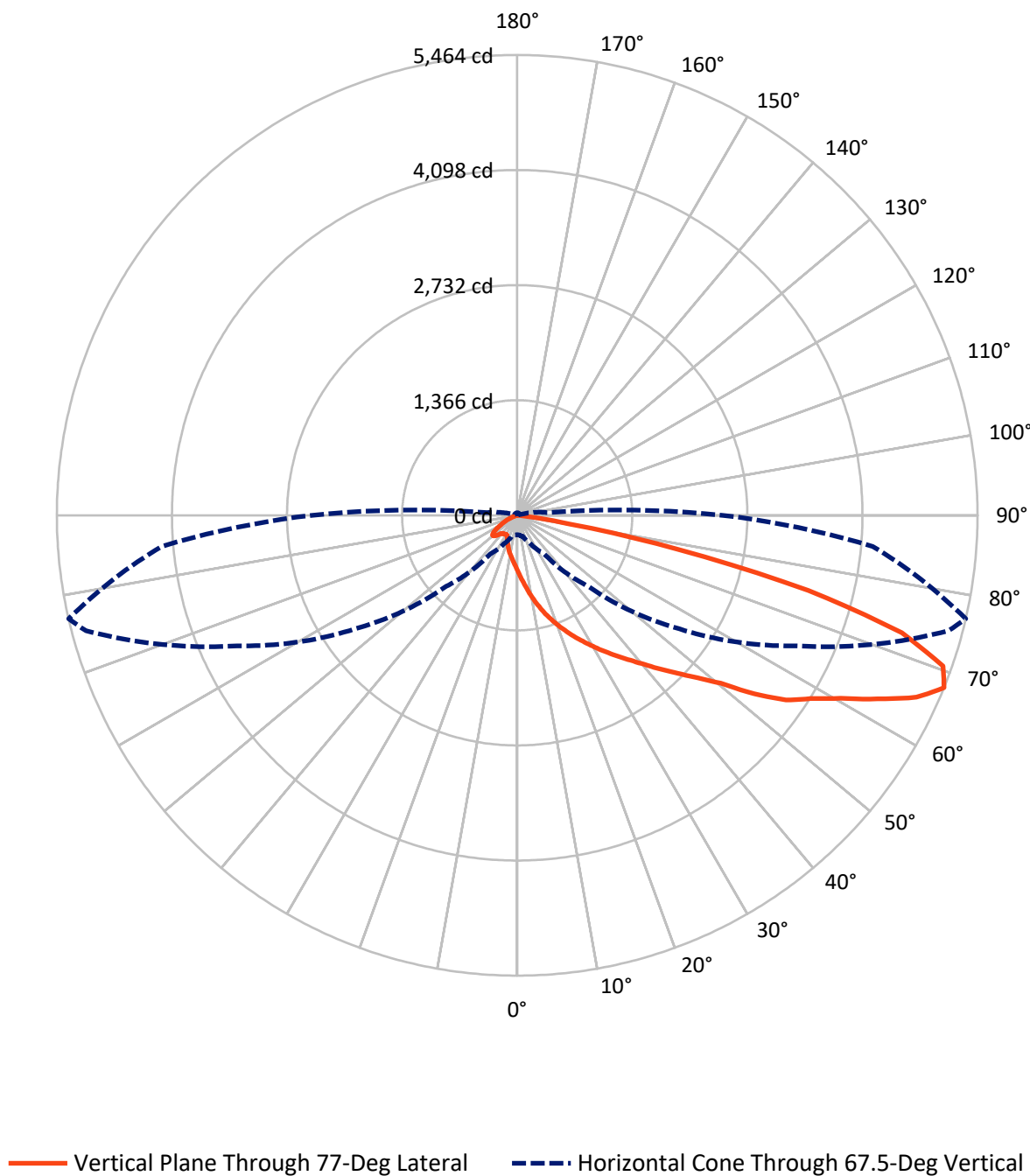
× Max cd
- - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	419.3	0.0	419.3
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	5279.7	0.0	5279.7
	% Fixture	92.6	0.0	92.6
Total	Lumens	5699.0	0.0	5699.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	1.2
10°-20°	234.9	4.1
20°-30°	453.3	8.0
30°-40°	786.9	13.8
40°-50°	1142.6	20.0
50°-60°	1312.1	23.0
60°-70°	1139.1	20.0
70°-80°	536.5	9.4
80°-90°	26.5	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°	5699.0	100.0
0°-180°	5699.0	100.0

Coefficient of Utilization



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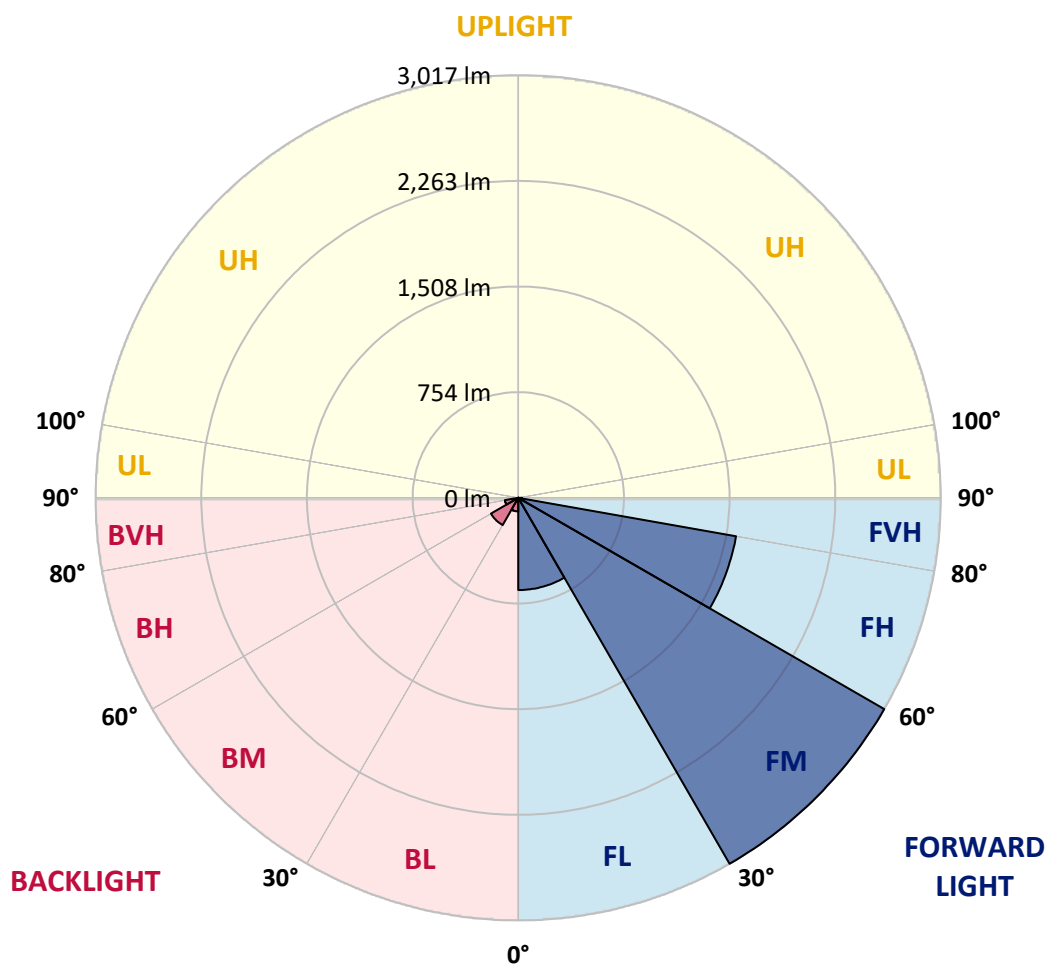
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	658.2	11.5			
FM	(30°-60°)	3016.9	52.9			
FH	(60°-80°)	1578.6	27.7			G1/1800
FVH	(80°-90°)	26.0	0.5			G1/100
BL	(0°-30°)	97.1	1.7	B0/110		
BM	(30°-60°)	224.7	3.9	B1/1000		
BH	(60°-80°)	97.1	1.7	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2
2.5°	909.9	915.5	907.4	891.8	868.5	853.2	816.1	781.0	742.1	729.7
5°	1109.1	1114.1	1104.9	1087.9	1056.7	1027.0	978.2	904.9	828.8	804.4
7.5°	1256.7	1259.5	1256.0	1240.4	1210.7	1177.0	1122.5	1035.8	923.0	896.1
10°	1362.8	1372.0	1371.0	1365.0	1345.1	1317.9	1259.9	1161.1	1028.4	993.7
12.5°	1433.3	1443.5	1449.5	1463.0	1461.9	1444.6	1393.6	1289.2	1133.5	1092.8
15°	1453.8	1464.8	1487.8	1518.9	1546.5	1555.4	1519.6	1414.9	1249.2	1197.2
17.5°	1442.1	1459.1	1486.7	1535.9	1596.4	1636.4	1632.5	1536.2	1354.3	1294.9
20°	1467.9	1484.2	1505.8	1547.2	1617.6	1690.2	1719.2	1652.3	1458.7	1396.5
22.5°	1610.9	1608.1	1610.2	1616.9	1659.0	1730.9	1790.7	1757.8	1562.1	1498.4
25°	1837.4	1824.7	1803.1	1766.6	1756.0	1790.7	1853.0	1851.2	1671.1	1602.8
27.5°	2097.2	2095.0	2044.4	1956.7	1907.1	1893.7	1923.4	1942.2	1779.0	1706.1
30°	2346.0	2351.6	2283.3	2185.6	2094.7	2042.0	2015.1	2028.5	1888.7	1817.6
32.5°	2562.5	2568.6	2494.2	2379.9	2267.4	2203.7	2147.1	2113.8	2008.3	1930.8
35°	2745.5	2751.5	2666.2	2539.9	2419.9	2362.2	2298.2	2207.2	2128.7	2056.5
37.5°	2909.0	2907.2	2792.9	2665.5	2547.7	2502.0	2468.4	2322.2	2252.5	2182.8
40°	3005.6	3013.0	2915.4	2774.9	2660.6	2627.3	2625.2	2464.9	2395.5	2327.9
42.5°	3033.9	3047.0	2976.2	2860.9	2757.2	2721.1	2776.6	2619.2	2561.8	2496.0
45°	2983.0	2995.7	2963.5	2883.5	2823.0	2799.6	2906.9	2779.1	2739.5	2674.4
47.5°	2834.3	2850.3	2858.0	2841.0	2840.3	2864.1	3023.7	2947.6	2950.4	2883.9
50°	2546.6	2573.5	2645.0	2705.2	2798.2	2915.0	3137.3	3130.2	3188.2	3130.9
52.5°	2023.6	2061.8	2308.1	2472.6	2681.8	2905.5	3262.2	3423.2	3605.5	3521.6
55°	1626.1	1626.1	1826.4	2134.3	2454.6	2842.5	3316.7	3613.6	3889.6	3869.8
57.5°	1325.7	1341.6	1469.4	1741.5	2125.8	2692.4	3350.3	3733.2	4118.6	4104.1
60°	818.2	852.5	1093.9	1362.5	1751.8	2425.2	3329.1	3854.2	4396.4	4408.1
62.5°	460.8	473.5	581.1	980.3	1362.1	2066.0	3166.6	3921.8	4751.7	4801.3
65°	318.1	324.5	365.9	610.1	944.2	1644.9	2849.2	3879.7	5107.7	5207.9
67.5°	231.1	234.3	260.1	372.6	560.2	1192.6	2351.6	3667.4	5296.4	5463.7
70°	177.7	179.8	198.5	244.9	330.9	736.1	1707.9	3245.2	5159.8	5359.7
72.5°	144.4	146.5	161.0	181.2	219.4	435.3	1035.1	2635.4	4556.7	4772.6
75°	121.7	124.6	137.7	150.8	172.0	279.6	485.5	1835.3	3426.7	3568.3
77.5°	67.6	62.3	111.8	124.9	145.1	176.9	227.2	1080.1	1919.2	1958.4
80°	42.1	43.5	88.8	100.5	111.5	89.2	104.0	415.8	665.3	632.1
82.5°	2.5	5.7	68.3	72.5	76.4	38.2	39.3	141.2	160.3	147.2
85°	0.0	0.0	31.1	25.1	26.5	11.0	11.3	32.9	21.6	23.4
87.5°	0.0	0.0	0.0	0.7	0.0	1.1	2.1	2.8	1.1	1.4
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°
657.2	0°	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2
690.8	2.5°	666.0	641.3	591.0	541.8	501.8	464.7	438.1	413.0	400.3	399.5
735.4	5°	686.2	634.2	533.7	444.8	373.4	316.0	278.9	252.3	238.9	234.3
790.2	7.5°	714.5	636.3	483.4	359.9	275.7	226.5	205.3	196.8	193.9	190.7
852.2	10°	750.3	641.3	438.5	289.8	217.3	192.5	184.0	180.5	178.4	176.2
921.9	12.5°	790.2	645.9	393.9	240.6	191.1	178.4	172.3	168.1	165.3	162.8
993.4	15°	829.2	648.7	347.5	206.3	177.7	167.4	161.0	156.4	152.5	149.7
1063.4	17.5°	867.7	652.6	304.0	185.8	166.7	156.4	150.1	144.4	141.2	138.0
1137.1	20°	910.6	651.9	262.9	171.3	155.7	145.4	138.7	133.4	130.2	126.7
1214.9	22.5°	950.2	648.3	226.8	158.9	144.4	134.5	127.0	121.7	118.6	115.7
1294.5	25°	995.9	645.5	196.8	147.6	133.8	123.9	115.7	110.8	107.2	104.8
1374.5	27.5°	1039.7	641.3	174.8	137.3	123.5	114.0	106.2	100.5	97.3	95.6
1457.0	30°	1082.9	640.2	166.7	127.4	114.3	104.8	97.0	91.7	89.2	88.5
1547.6	32.5°	1134.9	643.0	170.2	123.9	105.8	96.3	88.8	84.9	82.5	82.5
1648.4	35°	1190.5	642.3	175.5	127.0	100.2	87.8	82.1	79.6	77.1	77.1
1760.3	37.5°	1260.2	643.4	179.8	132.4	98.0	80.7	77.5	74.3	72.9	72.9
1882.7	40°	1364.3	678.4	177.7	137.0	97.3	75.7	69.4	68.3	67.2	67.2
2021.1	42.5°	1491.7	754.5	180.5	137.3	97.0	72.2	63.7	65.8	63.3	63.0
2177.1	45°	1631.1	837.7	198.5	129.9	96.6	70.4	60.9	63.3	59.5	59.5
2358.0	47.5°	1769.5	920.1	216.9	119.3	95.6	70.1	58.4	57.0	55.9	56.3
2593.7	50°	1960.2	987.4	224.0	104.8	93.1	69.4	53.8	54.1	53.4	54.1
2926.0	52.5°	2167.9	1001.5	215.5	88.5	86.0	67.2	50.6	52.0	51.7	52.4
3159.9	55°	2297.5	986.3	178.0	73.6	75.0	58.7	47.4	50.3	50.3	50.3
3388.5	57.5°	2431.2	921.5	126.3	59.8	62.3	48.1	44.6	48.5	48.1	47.8
3663.8	60°	2527.5	816.8	83.2	49.2	49.5	39.6	41.4	45.7	45.3	43.5
3947.7	62.5°	2599.3	701.1	53.4	41.8	37.9	35.7	37.9	41.4	40.0	36.1
4188.3	65°	2591.2	540.7	41.1	35.7	31.1	31.1	32.9	36.1	31.9	25.5
4234.3	67.5°	2440.1	365.9	34.0	30.1	26.2	25.8	27.2	30.1	27.2	21.6
3998.6	70°	2170.1	239.2	27.2	23.4	20.9	19.1	21.9	25.8	23.0	17.3
3404.1	72.5°	1761.3	145.8	20.5	17.0	15.2	12.4	17.3	21.2	18.4	12.7
2367.2	75°	1139.5	74.3	14.2	11.0	8.1	7.4	12.7	15.9	12.7	7.8
1050.4	77.5°	436.0	31.1	7.8	5.0	4.2	3.5	7.1	9.6	5.3	1.8
203.5	80°	83.9	13.1	3.9	2.5	2.1	1.4	1.1	0.7	0.0	0.0
36.1	82.5°	14.5	4.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
7.1	85°	5.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5	87.5°	1.8	0.0	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°
657.2
398.8
233.6
190.0
175.5
162.1
149.3
137.7
126.3
115.4
104.4
95.6
88.1
82.5
77.1
72.9
67.2
62.6
59.5
56.3
54.1
52.4
50.3
47.8
43.5
35.4
24.8
20.9
16.6
12.0
6.7
1.4
0.0
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