

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: P849216

Luminaire Tested: **GLAN-SB6A-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849216
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-SB6A-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17357 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

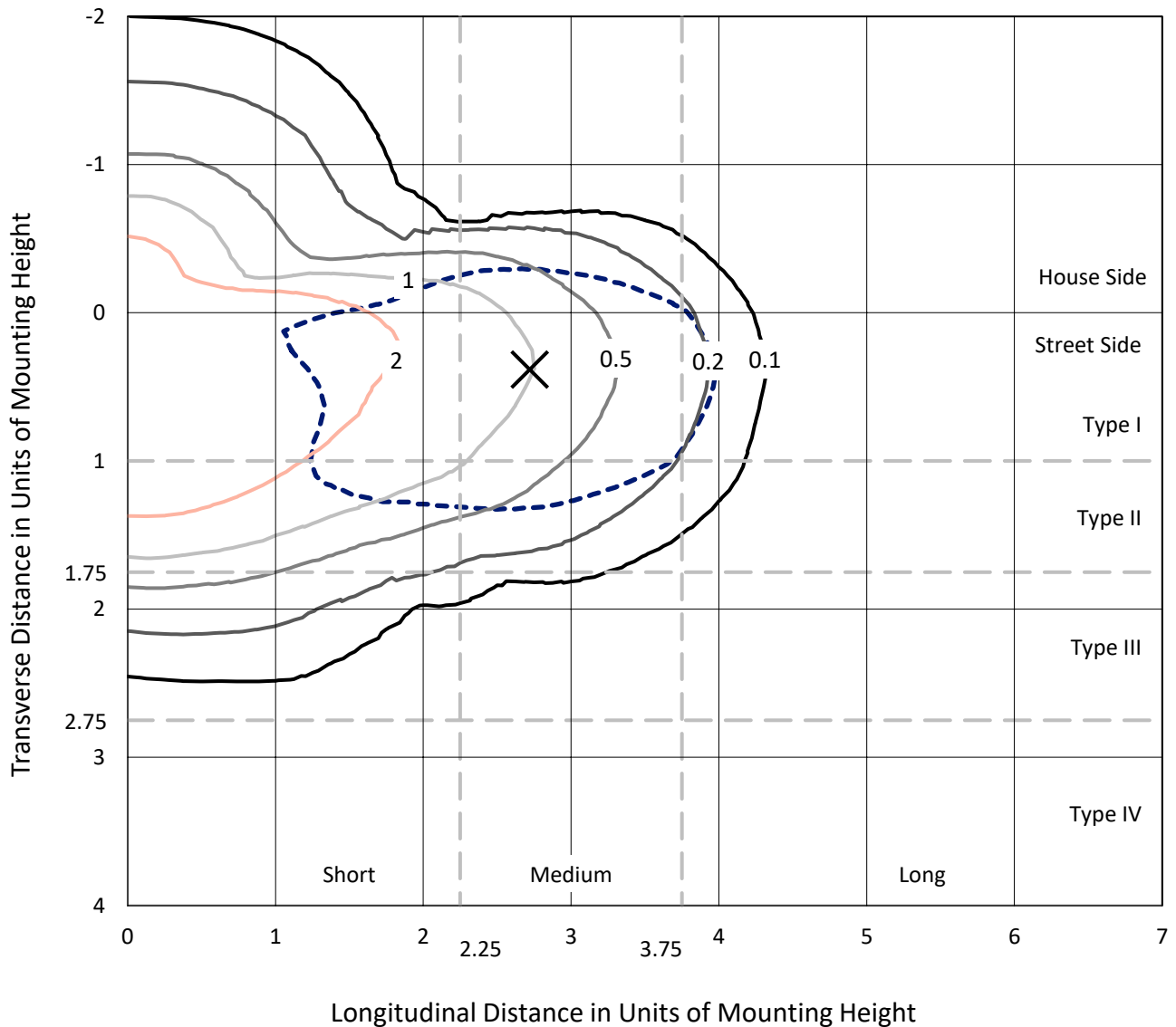
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

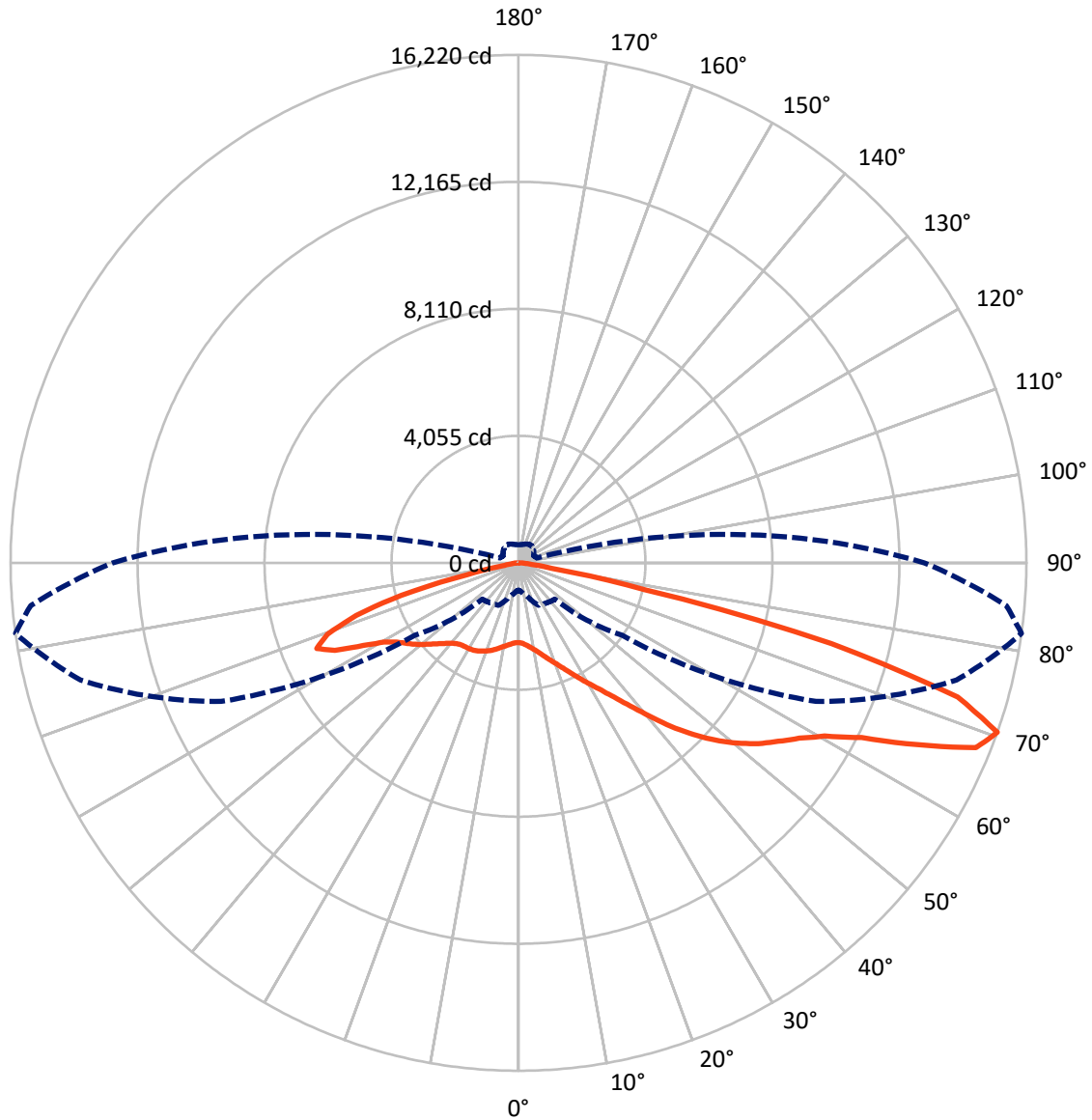
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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
House Side	Lumens	4278.9	0.0	4278.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13078.1	0.0	13078.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	17357.0	0.0	17357.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.3	1.4
10°-20°	690.3	4.0
20°-30°	1154.8	6.7
30°-40°	1804.1	10.4
40°-50°	2873.3	16.6
50°-60°	3998.5	23.0
60°-70°	4182.6	24.1
70°-80°	2186.1	12.6
80°-90°	227.0	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°	17357.0	100.0
0°-180°	17357.0	100.0

Coefficient of Utilization

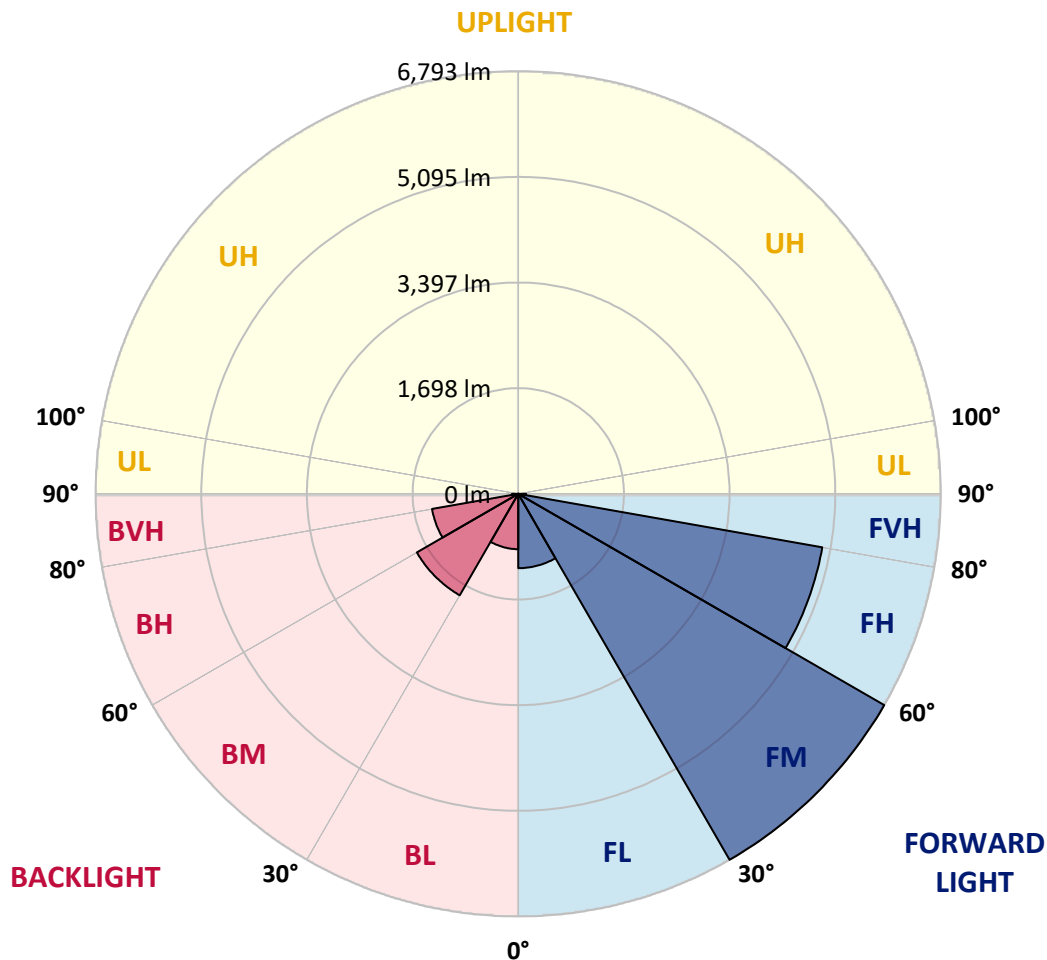


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1195.2	6.9			
FM (30°-60°)	6793.4	39.1			
FH (60°-80°)	4962.4	28.6			G2/5000
FVH (80°-90°)	127.1	0.7			G2/225
BL (0°-30°)	890.2	5.1	B2/1000		
BM (30°-60°)	1882.6	10.8	B2/2500		
BH (60°-80°)	1406.3	8.1	B3/2500		G3/2500
BVH (80°-90°)	99.9	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°	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8
2.5°	2605.5	2620.3	2615.7	2611.1	2611.1	2604.6	2603.7	2594.5	2587.1	2575.1
5°	2638.7	2654.4	2652.5	2656.2	2668.2	2670.9	2673.7	2668.2	2653.4	2638.7
7.5°	2609.2	2626.7	2632.2	2654.4	2691.2	2724.4	2749.2	2759.3	2745.5	2724.4
10°	2509.8	2529.1	2548.4	2600.9	2666.3	2744.6	2810.9	2850.5	2847.8	2827.5
12.5°	2308.1	2328.3	2369.8	2472.0	2591.7	2729.9	2853.3	2936.2	2964.7	2950.0
15°	2146.9	2164.4	2195.7	2300.7	2456.3	2666.3	2868.9	3030.1	3102.9	3094.6
17.5°	2142.3	2149.6	2169.0	2218.7	2338.4	2566.9	2852.4	3122.2	3261.3	3260.4
20°	2223.3	2226.1	2237.1	2247.3	2315.4	2491.3	2810.0	3198.7	3439.1	3439.1
22.5°	2335.7	2333.8	2344.9	2335.7	2368.8	2484.9	2783.3	3265.9	3637.1	3651.8
25°	2504.2	2495.0	2492.3	2471.1	2477.5	2544.8	2812.8	3342.3	3871.9	3902.3
27.5°	2729.0	2714.2	2704.1	2655.3	2638.7	2668.2	2903.0	3434.4	4133.5	4186.0
30°	3021.8	2995.1	2980.4	2895.7	2835.8	2840.4	3039.3	3556.9	4407.0	4491.8
32.5°	3421.6	3380.1	3340.5	3201.4	3091.8	3055.9	3215.2	3726.4	4703.6	4839.0
35°	3869.2	3836.0	3793.6	3579.0	3410.5	3327.6	3452.9	3963.1	5050.8	5265.4
37.5°	4300.2	4271.6	4291.9	4002.7	3785.4	3664.7	3764.2	4280.9	5479.1	5795.9
40°	4746.0	4723.9	4726.6	4450.3	4197.0	4061.7	4141.8	4679.7	5970.0	6426.8
42.5°	5230.4	5213.8	5158.6	4913.6	4629.0	4502.8	4576.5	5140.2	6496.8	7145.2
45°	5772.9	5762.8	5711.2	5430.3	5104.2	4962.4	5061.9	5648.6	7026.4	7821.2
47.5°	6241.7	6250.0	6243.5	6006.8	5668.8	5460.7	5579.5	6179.1	7519.1	8456.7
50°	6467.3	6510.6	6574.2	6500.5	6290.5	6078.7	6101.7	6691.1	7988.8	9052.6
52.5°	6349.4	6431.4	6604.6	6722.5	6803.5	6759.3	6697.6	7199.5	8430.9	9590.5
55°	5910.1	6025.3	6312.6	6597.2	7010.7	7332.2	7413.2	7763.2	8862.0	10063.9
57.5°	5109.8	5296.7	5554.6	6130.2	6826.5	7609.4	8247.7	8545.1	9318.8	10569.5
60°	3737.5	3988.0	4308.5	5165.0	6181.8	7461.1	8957.8	9746.1	9968.1	11224.4
62.5°	2391.9	2546.6	2841.3	3648.1	4816.9	6701.3	9175.1	11247.4	11068.7	12298.3
65°	1637.6	1737.0	2006.9	2460.0	3113.9	4988.2	8593.0	12372.9	12816.8	14000.3
67.5°	1189.9	1265.5	1495.7	1892.7	2029.0	2951.8	6668.1	12321.3	14516.1	15753.9
70°	867.6	921.0	1114.4	1495.7	1561.1	1642.2	4039.6	10473.7	14479.2	16219.9
72.5°	642.9	679.7	809.6	1160.5	1263.6	1108.9	1999.5	7612.2	12441.9	14670.8
75°	465.1	492.7	588.5	887.9	1011.3	844.6	997.5	4448.5	8678.7	10319.9
77.5°	355.5	376.7	439.3	650.2	809.6	633.7	618.9	2046.5	4115.1	4135.3
80°	285.5	299.3	333.4	457.7	620.8	474.3	403.4	826.1	1300.5	1100.6
82.5°	210.0	233.0	281.8	321.4	443.9	327.0	245.9	417.2	494.6	425.5
85°	119.7	135.4	170.4	230.3	283.7	199.9	140.9	185.1	230.3	188.8
87.5°	42.4	55.3	59.9	90.3	123.4	82.9	54.3	53.4	75.5	56.2
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°
2544.8	0°	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8
2572.4	2.5°	2563.2	2558.6	2540.1	2515.3	2489.5	2464.6	2456.3	2438.8	2426.9	2420.4
2632.2	5°	2614.8	2600.0	2556.7	2501.5	2443.4	2380.8	2336.6	2296.1	2266.6	2239.0
2714.2	7.5°	2688.4	2662.6	2588.0	2491.3	2388.2	2284.1	2206.7	2147.8	2108.2	2082.4
2810.0	10°	2774.1	2734.5	2620.3	2475.7	2316.3	2167.1	2076.0	2025.3	2000.4	1986.6
2919.6	12.5°	2872.6	2816.5	2653.4	2439.8	2206.7	2036.4	1973.7	1959.0	1959.9	1960.8
3057.8	15°	2994.2	2915.9	2680.1	2361.5	2064.0	1936.0	1924.9	1948.9	1973.7	1985.7
3214.3	17.5°	3131.4	3020.9	2684.7	2232.5	1924.0	1871.5	1906.5	1958.1	1995.8	2012.4
3389.3	20°	3278.8	3127.8	2651.6	2050.2	1808.9	1819.0	1881.6	1947.9	1989.4	2010.6
3589.2	22.5°	3447.3	3242.0	2572.4	1858.6	1714.9	1761.9	1835.6	1900.0	1943.3	1964.5
3824.0	25°	3639.8	3370.0	2448.0	1697.4	1633.9	1697.4	1771.1	1824.5	1859.5	1878.9
4086.5	27.5°	3853.5	3503.5	2282.3	1569.4	1563.0	1631.1	1691.9	1733.3	1751.8	1766.5
4365.6	30°	4068.1	3625.1	2081.5	1472.7	1501.2	1565.7	1609.0	1627.4	1633.0	1635.7
4676.9	32.5°	4300.2	3730.1	1870.6	1392.6	1442.3	1502.2	1528.0	1536.2	1510.5	1493.0
5054.5	35°	4581.1	3842.5	1664.3	1329.0	1384.3	1435.9	1444.1	1436.8	1406.4	1370.5
5527.9	37.5°	4928.3	3982.5	1499.4	1283.9	1329.9	1364.0	1353.9	1352.0	1354.8	1312.4
6097.1	40°	5353.8	4164.8	1378.8	1248.9	1285.7	1293.1	1264.5	1280.2	1294.0	1229.5
6721.5	42.5°	5826.3	4384.9	1302.3	1224.9	1248.9	1231.4	1187.2	1204.7	1202.8	1118.1
7348.7	45°	6308.0	4624.4	1275.6	1207.4	1214.8	1179.8	1131.0	1135.6	1096.9	1020.5
7950.2	47.5°	6786.9	4881.4	1292.2	1192.7	1172.4	1132.8	1095.1	1074.8	1017.7	960.6
8526.7	50°	7256.6	5151.2	1353.0	1163.2	1114.4	1091.4	1063.8	1027.8	967.1	918.2
9072.0	52.5°	7692.3	5422.9	1421.1	1114.4	1041.7	1055.5	1038.0	996.5	936.7	886.9
9587.7	55°	8104.9	5694.6	1447.8	1047.2	973.5	1024.2	1014.0	937.6	865.8	825.2
10127.4	57.5°	8554.3	6021.6	1418.4	961.5	918.2	988.2	949.6	864.8	823.4	793.0
10830.2	60°	9177.0	6534.6	1354.8	855.6	865.8	934.8	868.5	833.5	788.4	754.3
11883.8	62.5°	10211.2	7491.5	1252.6	750.6	804.0	855.6	829.8	794.8	748.8	715.6
13685.3	65°	11740.1	8821.4	1060.1	668.7	735.0	778.3	788.4	753.4	705.5	670.5
15263.9	67.5°	13029.5	9655.9	802.2	600.5	664.0	715.6	744.2	710.1	659.4	625.4
15633.2	70°	12958.6	9049.9	612.5	533.3	601.4	653.9	690.8	664.0	609.7	577.5
14200.1	72.5°	11509.9	7570.7	495.5	465.1	537.9	589.4	633.7	613.4	558.1	526.8
10402.8	75°	8455.8	5374.1	396.0	396.0	458.7	522.2	571.0	558.1	507.5	485.4
4367.4	77.5°	3564.3	2254.6	310.4	328.8	381.3	448.5	509.3	513.9	469.7	497.3
1154.9	80°	947.7	621.7	236.7	258.8	299.3	370.2	443.0	441.2	393.3	367.5
429.2	82.5°	361.0	245.0	168.5	182.4	216.4	283.7	350.9	362.0	314.1	271.7
168.5	85°	139.1	105.0	104.1	109.6	126.2	187.9	265.3	274.5	236.7	200.8
47.0	87.5°	35.9	31.3	38.7	36.8	58.0	100.4	152.0	157.5	144.6	83.8
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°
2544.8
2427.8
2250.0
2087.9
1990.3
1962.7
1984.8
2016.1
2016.1
1970.0
1884.4
1772.0
1642.2
1498.5
1372.3
1315.2
1231.4
1117.2
1023.2
960.6
914.6
887.9
821.5
790.2
752.5
715.6
672.3
626.3
580.2
526.8
478.9
451.3
341.7
271.7
207.2
119.7
0.0

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