

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: P849226

Luminaire Tested: **GLAN-SB6A-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849226
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-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18184 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

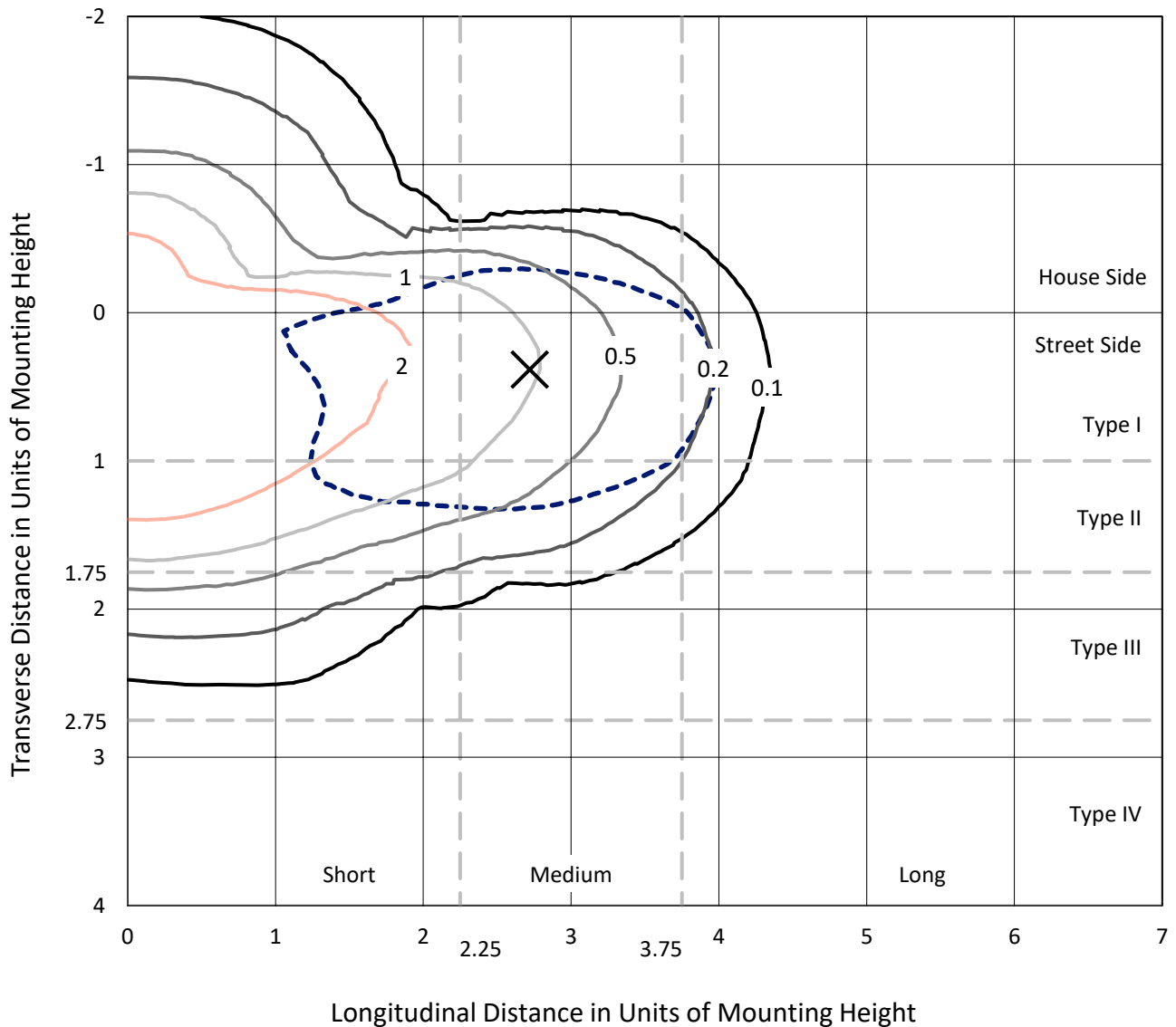
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

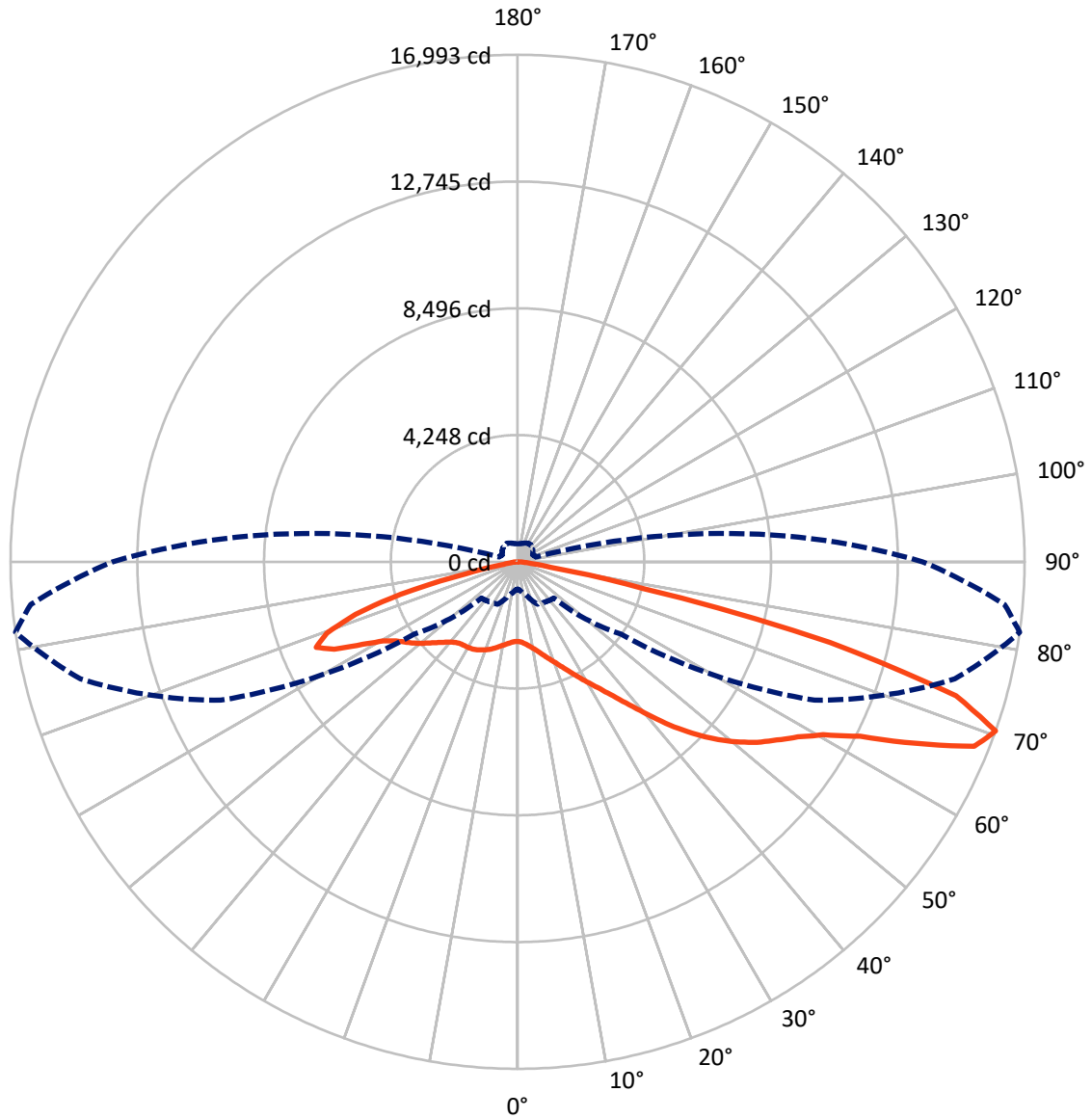
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	4482.8	0.0	4482.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13701.2	0.0	13701.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	18184.0	0.0	18184.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	1.4
10°-20°	723.2	4.0
20°-30°	1209.8	6.7
30°-40°	1890.1	10.4
40°-50°	3010.2	16.6
50°-60°	4189.0	23.0
60°-70°	4381.9	24.1
70°-80°	2290.2	12.6
80°-90°	237.8	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°	18184.0	100.0
0°-180°	18184.0	100.0

Coefficient of Utilization

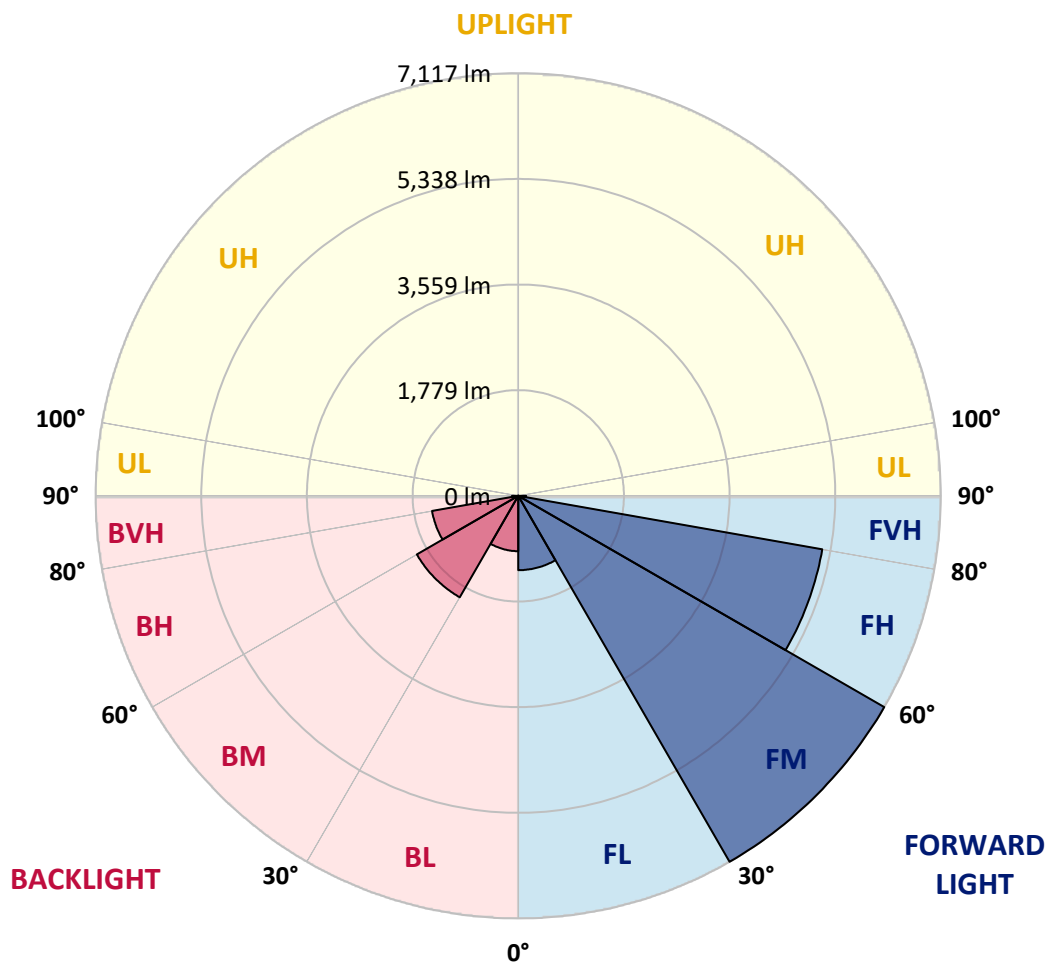


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1252.2	6.9			
FM (30°-60°)	7117.0	39.1			
FH (60°-80°)	5198.9	28.6			G3/7500
FVH (80°-90°)	133.1	0.7			G2/225
BL (0°-30°)	932.6	5.1	B2/1000		
BM (30°-60°)	1972.3	10.8	B2/2500		
BH (60°-80°)	1473.3	8.1	B3/2500		G3/2500
BVH (80°-90°)	104.7	0.6			G2/225
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°	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0
2.5°	2729.7	2745.1	2740.3	2735.5	2735.5	2728.7	2727.8	2718.1	2710.4	2697.8
5°	2764.4	2780.8	2778.9	2782.8	2795.3	2798.2	2801.1	2795.3	2779.9	2764.4
7.5°	2733.5	2751.9	2757.7	2780.8	2819.4	2854.2	2880.2	2890.8	2876.3	2854.2
10°	2629.3	2649.6	2669.9	2724.9	2793.4	2875.4	2944.9	2986.3	2983.5	2962.2
12.5°	2418.0	2439.3	2482.7	2589.8	2715.2	2859.9	2989.2	3076.1	3106.0	3090.6
15°	2249.2	2267.5	2300.3	2410.3	2573.4	2793.4	3005.6	3174.5	3250.7	3242.0
17.5°	2244.3	2252.1	2272.3	2324.4	2449.9	2689.2	2988.3	3271.0	3416.7	3415.7
20°	2329.3	2332.1	2343.7	2354.3	2425.7	2610.0	2943.9	3351.1	3602.9	3602.9
22.5°	2447.0	2445.0	2456.6	2447.0	2481.7	2603.3	2915.9	3421.5	3810.4	3825.8
25°	2623.5	2613.9	2611.0	2588.8	2595.6	2666.0	2946.8	3501.6	4056.4	4088.3
27.5°	2859.0	2843.5	2832.9	2781.8	2764.4	2795.3	3041.3	3598.1	4330.4	4385.4
30°	3165.8	3137.8	3122.4	3033.6	2970.9	2975.7	3184.1	3726.4	4617.0	4705.8
32.5°	3584.6	3541.2	3499.7	3354.0	3239.1	3201.5	3368.4	3904.0	4927.7	5069.6
35°	4053.5	4018.8	3974.4	3749.6	3573.0	3486.2	3617.4	4151.9	5291.5	5516.3
37.5°	4505.1	4475.2	4496.4	4193.4	3965.7	3839.3	3943.5	4484.8	5740.2	6072.1
40°	4972.1	4948.9	4951.8	4662.4	4397.0	4255.2	4339.1	4902.6	6254.4	6733.0
42.5°	5479.6	5462.3	5404.4	5147.7	4849.6	4717.4	4794.6	5385.1	6806.4	7485.6
45°	6048.0	6037.3	5983.3	5689.0	5347.4	5198.8	5303.1	5917.7	7361.2	8193.9
47.5°	6539.1	6547.8	6541.0	6293.0	5938.9	5720.9	5845.3	6473.5	7877.4	8859.7
50°	6775.5	6820.8	6887.4	6810.2	6590.2	6368.3	6392.4	7010.0	8369.5	9483.9
52.5°	6652.0	6737.9	6919.3	7042.8	7127.7	7081.4	7016.7	7542.6	8832.6	10047.4
55°	6191.7	6312.3	6613.4	6911.5	7344.8	7681.5	7766.4	8133.1	9284.2	10543.4
57.5°	5353.2	5549.1	5819.3	6422.3	7151.8	7972.0	8640.6	8952.3	9762.8	11073.1
60°	3915.5	4178.0	4513.8	5411.1	6476.4	7816.6	9384.6	10210.5	10443.0	11759.2
62.5°	2505.8	2667.9	2976.7	3821.9	5046.4	7020.6	9612.3	11783.3	11596.1	12884.2
65°	1715.6	1819.8	2102.5	2577.2	3262.3	5225.9	9002.5	12962.4	13427.5	14667.4
67.5°	1246.6	1325.8	1567.0	1982.9	2125.7	3092.5	6985.8	12908.4	15207.7	16504.5
70°	908.9	964.9	1167.5	1567.0	1635.5	1720.4	4232.0	10972.8	15169.1	16992.7
72.5°	673.5	712.1	848.1	1215.8	1323.8	1161.7	2094.8	7974.8	13034.8	15369.8
75°	487.3	516.2	616.6	930.2	1059.5	884.8	1045.0	4660.4	9092.2	10811.6
77.5°	372.4	394.6	460.3	681.2	848.1	663.8	648.4	2144.0	4311.1	4332.4
80°	299.1	313.6	349.3	479.6	650.3	496.9	422.6	865.5	1362.4	1153.0
82.5°	220.0	244.1	295.3	336.7	465.1	342.5	257.6	437.1	518.1	445.8
85°	125.4	141.8	178.5	241.2	297.2	209.4	147.6	193.9	241.2	197.8
87.5°	44.4	57.9	62.7	94.6	129.3	86.8	56.9	56.0	79.1	58.9
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°
2666.0	0°	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0
2694.9	2.5°	2685.3	2680.5	2661.2	2635.1	2608.1	2582.1	2573.4	2555.0	2542.5	2535.7
2757.7	5°	2739.3	2723.9	2678.5	2620.7	2559.9	2494.3	2447.9	2405.5	2374.6	2345.7
2843.5	7.5°	2816.5	2789.5	2711.4	2610.0	2502.0	2392.9	2311.9	2250.1	2208.6	2181.6
2943.9	10°	2906.3	2864.8	2745.1	2593.6	2426.7	2270.4	2174.9	2121.8	2095.7	2081.3
3058.7	12.5°	3009.5	2950.6	2779.9	2556.0	2311.9	2133.4	2067.8	2052.3	2053.3	2054.3
3203.4	15°	3136.9	3054.9	2807.8	2474.0	2162.3	2028.2	2016.6	2041.7	2067.8	2080.3
3367.5	17.5°	3280.6	3164.9	2812.7	2338.9	2015.7	1960.7	1997.3	2051.4	2090.9	2108.3
3550.8	20°	3435.0	3276.8	2777.9	2147.9	1895.1	1905.7	1971.3	2040.8	2084.2	2106.4
3760.2	22.5°	3611.6	3396.4	2694.9	1947.2	1796.6	1845.8	1923.0	1990.6	2035.9	2058.1
4006.2	25°	3813.3	3530.5	2564.7	1778.3	1711.7	1778.3	1855.5	1911.5	1948.1	1968.4
4281.2	27.5°	4037.1	3670.5	2391.0	1644.2	1637.4	1708.8	1772.5	1815.9	1835.2	1850.7
4573.6	30°	4261.9	3797.8	2180.7	1542.9	1572.8	1640.3	1685.7	1705.0	1710.8	1713.7
4899.7	32.5°	4505.1	3907.8	1959.7	1458.9	1511.0	1573.7	1600.8	1609.4	1582.4	1564.1
5295.3	35°	4799.4	4025.5	1743.6	1392.3	1450.2	1504.3	1513.0	1505.2	1473.4	1435.8
5791.3	37.5°	5163.1	4172.2	1570.8	1345.1	1393.3	1429.0	1418.4	1416.5	1419.4	1375.0
6387.6	40°	5608.9	4363.3	1444.4	1308.4	1347.0	1354.7	1324.8	1341.2	1355.7	1288.1
7041.8	42.5°	6103.9	4593.9	1364.4	1283.3	1308.4	1290.1	1243.7	1262.1	1260.2	1171.4
7698.9	45°	6608.6	4844.7	1336.4	1265.0	1272.7	1236.0	1184.9	1189.7	1149.2	1069.1
8329.0	47.5°	7110.3	5113.9	1353.7	1249.5	1228.3	1186.8	1147.3	1126.0	1066.2	1006.4
8933.0	50°	7602.4	5396.7	1417.4	1218.7	1167.5	1143.4	1114.5	1076.8	1013.1	962.0
9504.2	52.5°	8058.8	5681.3	1488.8	1167.5	1091.3	1105.8	1087.4	1044.0	981.3	929.2
10044.5	55°	8491.1	5965.9	1516.8	1097.1	1019.9	1073.0	1062.3	982.3	907.0	864.5
10610.0	57.5°	8961.9	6308.5	1485.9	1007.3	962.0	1035.3	994.8	906.0	862.6	830.8
11346.2	60°	9614.2	6845.9	1419.4	896.4	907.0	979.4	909.9	873.2	825.9	790.2
12450.0	62.5°	10697.8	7848.4	1312.3	786.4	842.4	896.4	869.4	832.7	784.5	749.7
14337.4	65°	12299.5	9241.8	1110.6	700.5	770.0	815.3	825.9	789.3	739.1	702.4
15991.2	67.5°	13650.4	10115.9	840.4	629.1	695.7	749.7	779.6	743.9	690.9	655.2
16378.1	70°	13576.1	9481.0	641.7	558.7	630.1	685.1	723.7	695.7	638.8	605.0
14876.7	72.5°	12058.3	7931.4	519.1	487.3	563.5	617.5	663.8	642.6	584.7	551.9
10898.5	75°	8858.7	5630.2	414.9	414.9	480.5	547.1	598.2	584.7	531.7	508.5
4575.5	77.5°	3734.1	2362.1	325.2	344.5	399.5	469.9	533.6	538.4	492.1	521.0
1210.0	80°	992.9	651.3	248.0	271.1	313.6	387.9	464.1	462.2	412.0	385.0
449.6	82.5°	378.2	256.7	176.6	191.0	226.8	297.2	367.6	379.2	329.0	284.6
176.6	85°	145.7	110.0	109.0	114.8	132.2	196.8	277.9	287.5	248.0	210.3
49.2	87.5°	37.6	32.8	40.5	38.6	60.8	105.2	159.2	165.0	151.5	87.8
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°
2666.0
2543.5
2357.2
2187.4
2085.1
2056.2
2079.3
2112.2
2112.2
2063.9
1974.2
1856.5
1720.4
1569.9
1437.7
1377.9
1290.1
1170.4
1072.0
1006.4
958.1
930.2
860.7
827.9
788.3
749.7
704.4
656.1
607.9
551.9
501.7
472.8
358.0
284.6
217.1
125.4
0.0

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