

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: P848716

Luminaire Tested: **GLAN-SB5B-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848716
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-SB5B-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19015 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

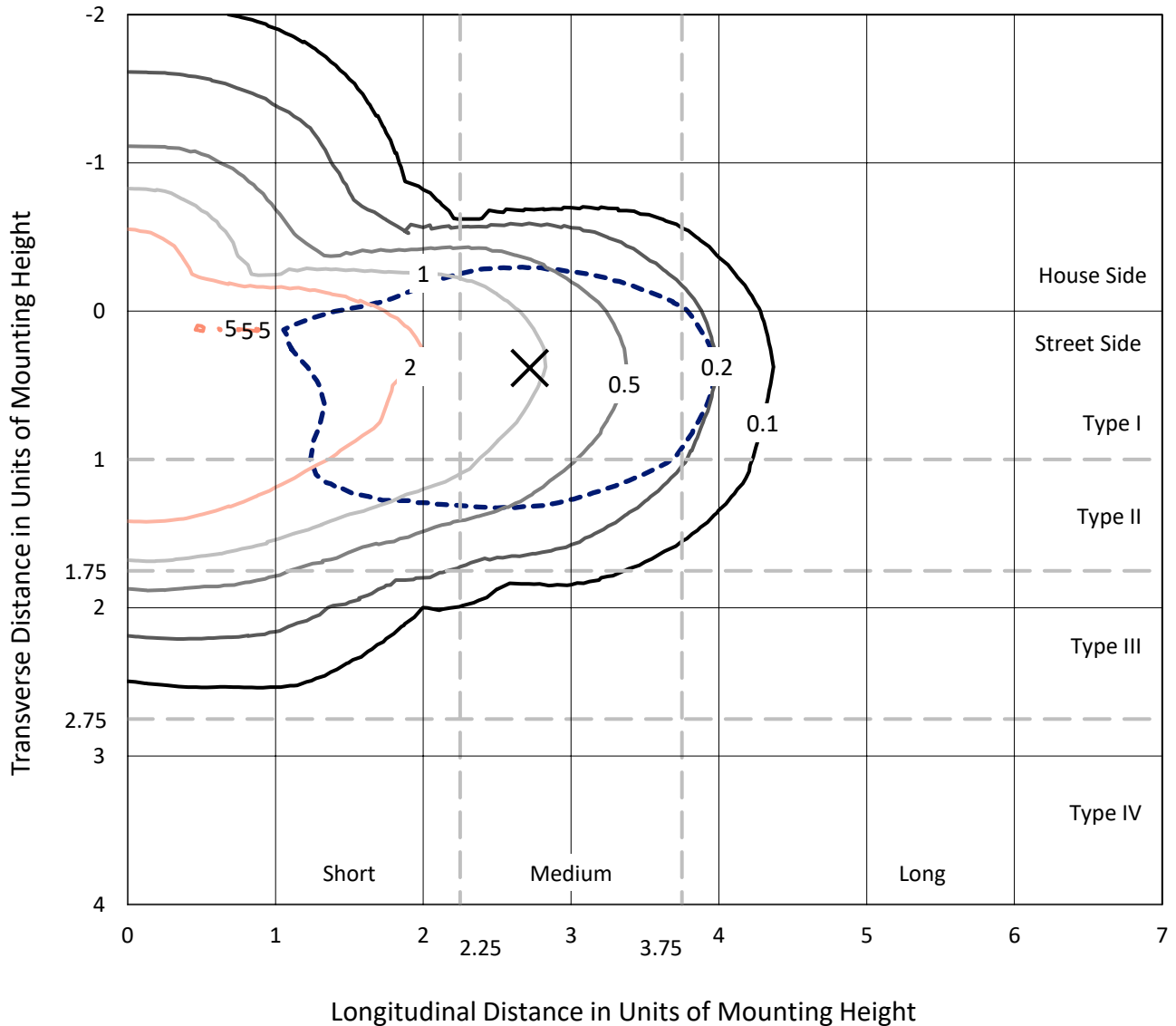
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

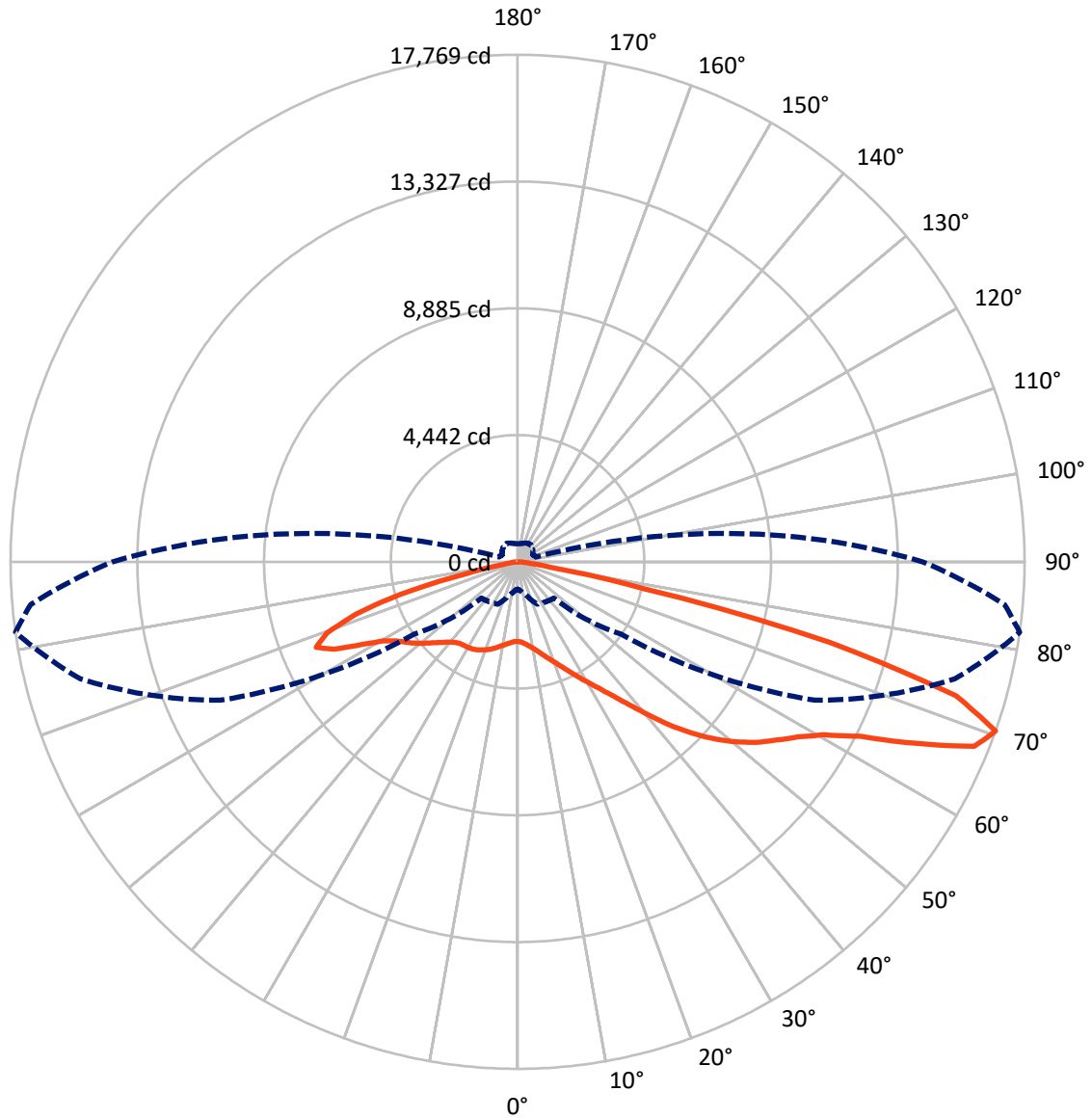
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	4687.7	0.0	4687.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	14327.3	0.0	14327.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	19015.0	0.0	19015.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.2	1.4
10°-20°	756.2	4.0
20°-30°	1265.1	6.7
30°-40°	1976.5	10.4
40°-50°	3147.7	16.6
50°-60°	4380.5	23.0
60°-70°	4582.2	24.1
70°-80°	2394.9	12.6
80°-90°	248.7	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°	19015.0	100.0
0°-180°	19015.0	100.0

Coefficient of Utilization

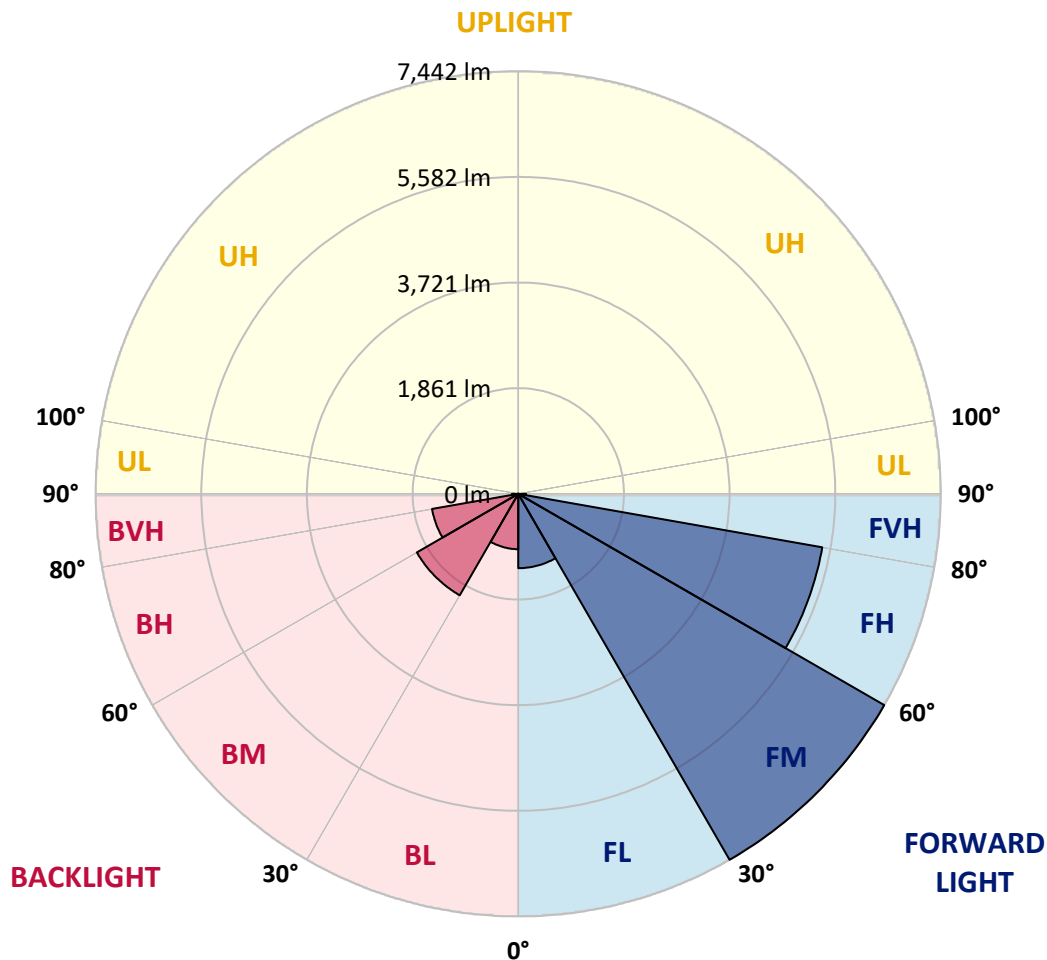


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1309.4	6.9			
FM (30°-60°)	7442.3	39.1			
FH (60°-80°)	5436.4	28.6			G3/7500
FVH (80°-90°)	139.2	0.7			G2/225
BL (0°-30°)	975.2	5.1	B2/1000		
BM (30°-60°)	2062.4	10.8	B2/2500		
BH (60°-80°)	1540.6	8.1	B3/2500		G3/2500
BVH (80°-90°)	109.5	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°	2787.8	2787.8	2787.8	2787.8	2787.8	2787.8	2787.8	2787.8	2787.8	2787.8
2.5°	2854.4	2870.6	2865.5	2860.5	2860.5	2853.4	2852.4	2842.3	2834.3	2821.1
5°	2890.8	2907.9	2905.9	2909.9	2923.0	2926.1	2929.1	2923.0	2906.9	2890.8
7.5°	2858.5	2877.6	2883.7	2907.9	2948.3	2984.6	3011.8	3022.9	3007.8	2984.6
10°	2749.5	2770.7	2791.9	2849.4	2921.0	3006.8	3079.4	3122.8	3119.8	3097.6
12.5°	2528.5	2550.7	2596.1	2708.1	2839.3	2990.6	3125.8	3216.7	3247.9	3231.8
15°	2352.0	2371.1	2405.4	2520.5	2691.0	2921.0	3143.0	3319.6	3399.3	3390.2
17.5°	2346.9	2355.0	2376.2	2430.7	2561.8	2812.1	3124.8	3420.5	3572.8	3571.8
20°	2435.7	2438.7	2450.8	2461.9	2536.6	2729.3	3078.4	3504.2	3767.6	3767.6
22.5°	2558.8	2556.8	2568.9	2558.8	2595.1	2722.3	3049.2	3577.9	3984.5	4000.6
25°	2743.4	2733.4	2730.3	2707.1	2714.2	2787.8	3081.5	3661.6	4241.8	4275.1
27.5°	2989.6	2973.5	2962.4	2908.9	2890.8	2923.0	3180.3	3762.5	4528.3	4585.9
30°	3310.5	3281.2	3265.1	3172.3	3106.7	3111.7	3329.7	3896.7	4828.0	4920.8
32.5°	3748.4	3703.0	3659.6	3507.2	3387.2	3347.8	3522.4	4082.4	5152.9	5301.2
35°	4238.8	4202.4	4156.0	3920.9	3736.3	3645.5	3782.7	4341.7	5533.3	5768.4
37.5°	4711.0	4679.7	4701.9	4385.1	4146.9	4014.8	4123.7	4689.8	6002.5	6349.6
40°	5199.3	5175.1	5178.1	4875.4	4598.0	4449.6	4537.4	5126.7	6540.3	7040.7
42.5°	5730.0	5711.9	5651.3	5383.0	5071.2	4932.9	5013.7	5631.2	7117.4	7827.7
45°	6324.3	6313.2	6256.7	5949.0	5591.8	5436.4	5545.4	6188.1	7697.6	8568.3
47.5°	6837.9	6847.0	6839.9	6580.6	6210.3	5982.3	6112.5	6769.3	8237.4	9264.5
50°	7085.1	7132.5	7202.2	7121.4	6891.4	6659.3	6684.6	7330.3	8752.0	9917.4
52.5°	6956.0	7045.8	7235.5	7364.6	7453.4	7405.0	7337.4	7887.3	9236.3	10506.6
55°	6474.7	6600.8	6915.6	7227.4	7680.4	8032.6	8121.4	8504.8	9708.5	11025.2
57.5°	5597.9	5802.7	6085.2	6715.8	7478.6	8336.3	9035.5	9361.4	10209.0	11579.2
60°	4094.5	4368.9	4720.1	5658.4	6772.3	8173.8	9813.4	10677.1	10920.3	12296.5
62.5°	2620.3	2789.9	3112.7	3996.6	5277.0	7341.4	10051.5	12321.8	12126.0	13473.0
65°	1794.0	1903.0	2198.6	2695.0	3411.4	5464.7	9413.9	13554.8	14041.1	15337.6
67.5°	1303.6	1386.4	1638.6	2073.5	2222.8	3233.8	7305.1	13498.3	15902.7	17258.8
70°	950.5	1009.0	1220.9	1638.6	1710.2	1799.0	4425.4	11474.2	15862.3	17769.3
72.5°	704.3	744.6	886.9	1271.3	1384.3	1214.8	2190.5	8339.3	13630.4	16072.2
75°	509.5	539.8	644.7	972.7	1107.9	925.2	1092.7	4873.4	9507.7	11305.7
77.5°	389.5	412.7	481.3	712.3	886.9	694.2	678.0	2242.0	4508.2	4530.4
80°	312.8	327.9	365.3	501.5	680.1	519.6	441.9	905.1	1424.7	1205.7
82.5°	230.0	255.3	308.8	352.1	486.3	358.2	269.4	457.1	541.8	466.2
85°	131.2	148.3	186.7	252.2	310.8	219.0	154.4	202.8	252.2	206.8
87.5°	46.4	60.5	65.6	98.9	135.2	90.8	59.5	58.5	82.7	61.5
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°
2787.8	0°	2787.8	2787.8	2787.8	2787.8	2787.8	2787.8	2787.8	2787.8	2787.8	2787.8
2818.1	2.5°	2808.0	2803.0	2782.8	2755.5	2727.3	2700.1	2691.0	2671.8	2658.7	2651.6
2883.7	5°	2864.5	2848.4	2801.0	2740.4	2676.8	2608.2	2559.8	2515.4	2483.1	2452.9
2973.5	7.5°	2945.2	2917.0	2835.3	2729.3	2616.3	2502.3	2417.5	2353.0	2309.6	2281.3
3078.4	10°	3039.1	2995.7	2870.6	2712.2	2537.6	2374.2	2274.3	2218.8	2191.5	2176.4
3198.5	12.5°	3147.0	3085.5	2906.9	2672.8	2417.5	2230.9	2162.3	2146.1	2147.1	2148.1
3349.8	15°	3280.2	3194.5	2936.2	2587.0	2261.1	2120.9	2108.8	2135.0	2162.3	2175.4
3521.4	17.5°	3430.6	3309.5	2941.2	2445.8	2107.8	2050.3	2088.6	2145.1	2186.5	2204.6
3713.1	20°	3592.0	3426.5	2904.9	2246.0	1981.7	1992.8	2061.4	2134.0	2179.4	2202.6
3932.0	22.5°	3776.6	3551.6	2818.1	2036.1	1878.7	1930.2	2010.9	2081.5	2129.0	2152.2
4189.3	25°	3987.5	3691.9	2681.9	1859.6	1789.9	1859.6	1940.3	1998.8	2037.1	2058.3
4476.9	27.5°	4221.6	3838.2	2500.3	1719.3	1712.3	1786.9	1853.5	1898.9	1919.1	1935.2
4782.6	30°	4456.7	3971.4	2280.3	1613.4	1644.7	1715.3	1762.7	1782.9	1788.9	1792.0
5123.6	32.5°	4711.0	4086.4	2049.3	1525.6	1580.1	1645.7	1673.9	1683.0	1654.7	1635.6
5537.3	35°	5018.7	4209.5	1823.2	1456.0	1516.5	1573.0	1582.1	1574.0	1540.7	1501.4
6056.0	37.5°	5399.1	4362.9	1642.6	1406.5	1457.0	1494.3	1483.2	1481.2	1484.2	1437.8
6679.5	40°	5865.3	4562.6	1510.5	1368.2	1408.5	1416.6	1385.3	1402.5	1417.6	1347.0
7363.6	42.5°	6382.9	4803.8	1426.7	1342.0	1368.2	1349.0	1300.6	1319.8	1317.7	1224.9
8050.7	45°	6910.6	5066.1	1397.4	1322.8	1330.9	1292.5	1239.0	1244.1	1201.7	1118.0
8709.6	47.5°	7435.2	5347.6	1415.6	1306.6	1284.4	1241.1	1199.7	1177.5	1114.9	1052.4
9341.2	50°	7949.8	5643.3	1482.2	1274.4	1220.9	1195.7	1165.4	1126.0	1059.4	1006.0
9938.5	52.5°	8427.1	5940.9	1556.9	1220.9	1141.2	1156.3	1137.1	1091.7	1026.1	971.7
10503.6	55°	8879.1	6238.6	1586.1	1147.2	1066.5	1122.0	1110.9	1027.2	948.4	904.1
11094.8	57.5°	9371.5	6596.8	1553.8	1053.4	1006.0	1082.6	1040.3	947.4	902.0	868.7
11864.7	60°	10053.6	7158.8	1484.2	937.4	948.4	1024.1	951.5	913.1	863.7	826.4
13019.0	62.5°	11186.7	8207.1	1372.2	822.3	880.8	937.4	909.1	870.8	820.3	784.0
14992.6	65°	12861.6	9664.1	1161.3	732.5	805.2	852.6	863.7	825.4	772.9	734.5
16722.0	67.5°	14274.2	10578.2	878.8	657.9	727.5	784.0	815.3	777.9	722.4	685.1
17126.6	70°	14196.5	9914.3	671.0	584.2	658.9	716.4	756.7	727.5	668.0	632.6
15556.6	72.5°	12609.3	8293.9	542.8	509.5	589.2	645.8	694.2	672.0	611.4	577.1
11396.5	75°	9263.5	5887.5	433.9	433.9	502.5	572.1	625.6	611.4	556.0	531.7
4784.6	77.5°	3904.8	2470.0	340.0	360.2	417.7	491.4	558.0	563.0	514.6	544.9
1265.3	80°	1038.2	681.1	259.3	283.5	327.9	405.6	485.3	483.3	430.8	402.6
470.2	82.5°	395.5	268.4	184.6	199.8	237.1	310.8	384.4	396.5	344.1	297.7
184.6	85°	152.4	115.0	114.0	120.1	138.2	205.8	290.6	300.7	259.3	220.0
51.5	87.5°	39.4	34.3	42.4	40.4	63.6	110.0	166.5	172.5	158.4	91.8
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°
2787.8
2659.7
2465.0
2287.4
2180.4
2150.2
2174.4
2208.7
2208.7
2158.2
2064.4
1941.3
1799.0
1641.6
1503.4
1440.8
1349.0
1223.9
1121.0
1052.4
1001.9
972.7
900.0
865.7
824.3
784.0
736.6
686.1
635.7
577.1
524.7
494.4
374.3
297.7
227.0
131.2
0.0

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