

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: P849396

Luminaire Tested: **GLAN-SB6B-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849396
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-SB6B-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 22826 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

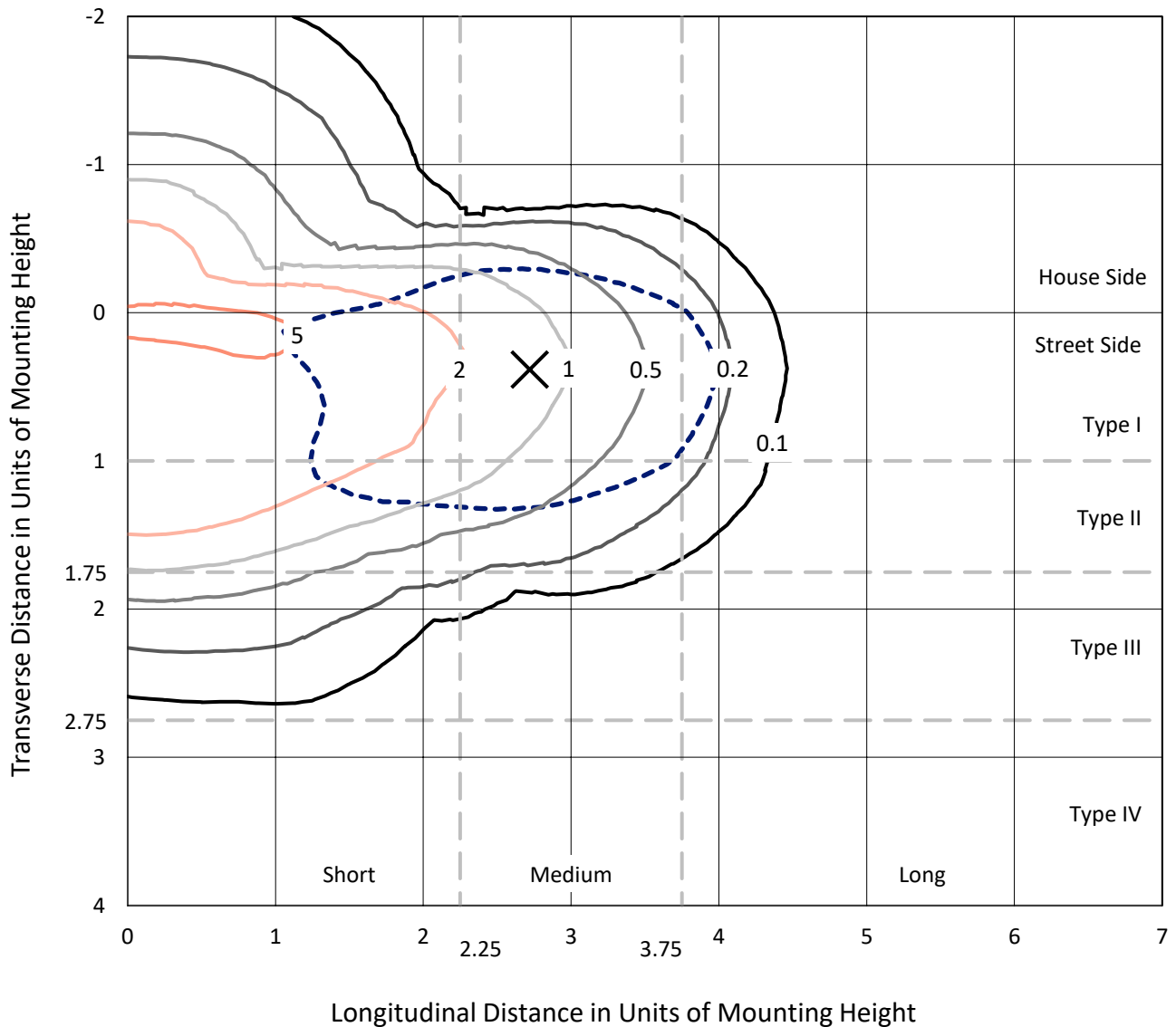
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

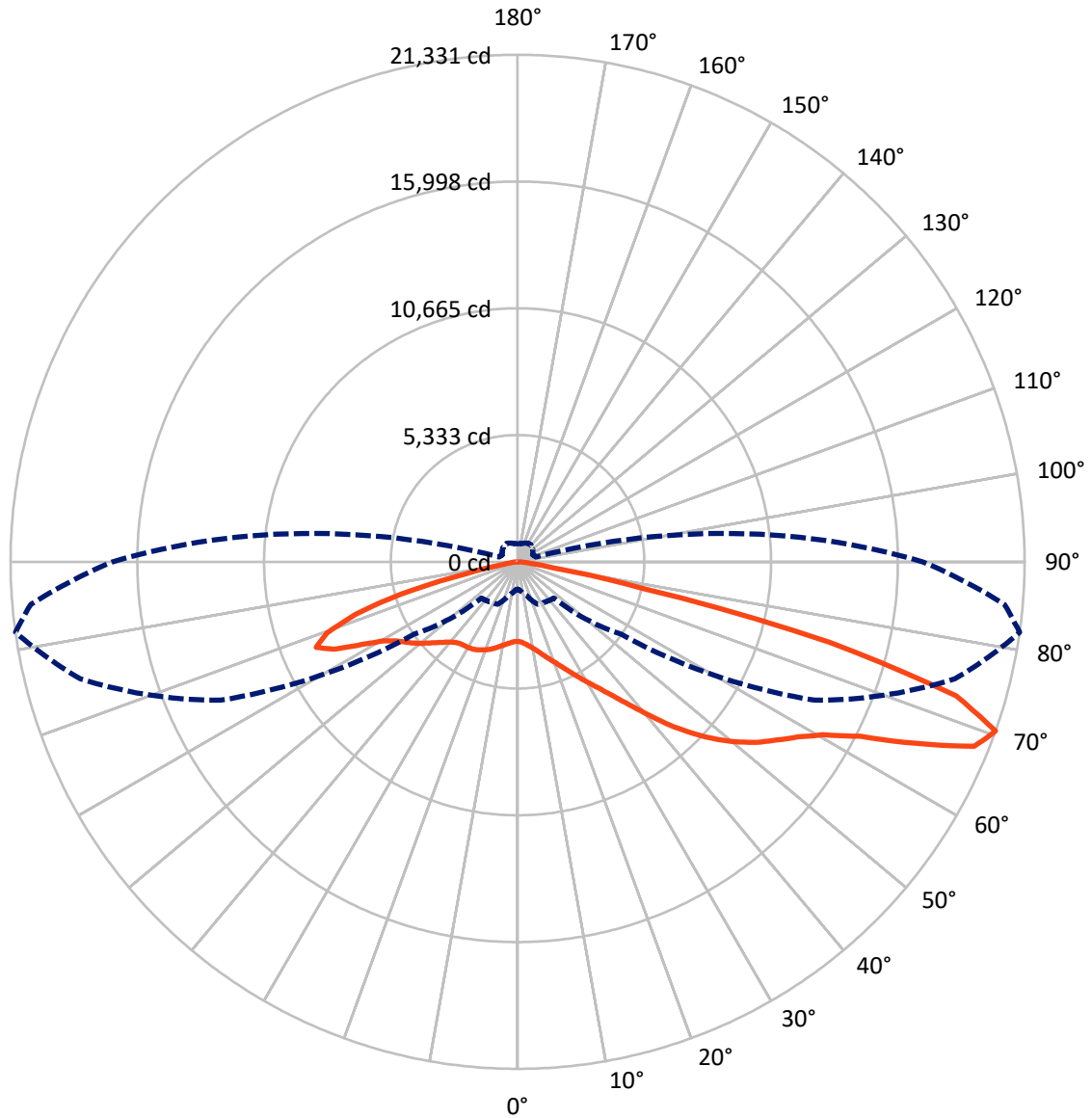
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	5627.2	0.0	5627.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	17198.8	0.0	17198.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	22826.0	0.0	22826.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.0	1.4
10°-20°	907.8	4.0
20°-30°	1518.7	6.7
30°-40°	2372.6	10.4
40°-50°	3778.6	16.6
50°-60°	5258.4	23.0
60°-70°	5500.5	24.1
70°-80°	2874.9	12.6
80°-90°	298.5	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°	22826.0	100.0
0°-180°	22826.0	100.0

Coefficient of Utilization



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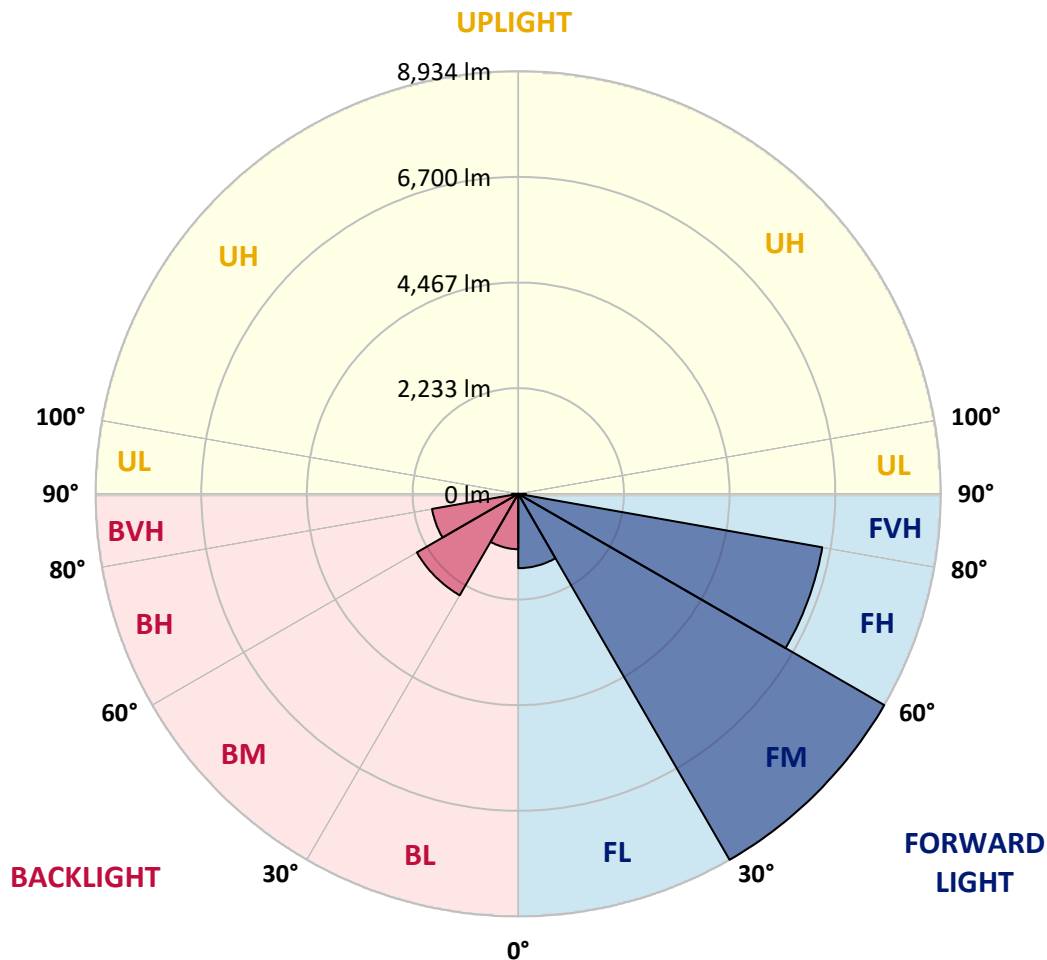
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1571.8	6.9			
FM (30°-60°)	8933.9	39.1			
FH (60°-80°)	6526.0	28.6			G3/7500
FVH (80°-90°)	167.1	0.7			G2/225
BL (0°-30°)	1170.7	5.1	B3/2500		
BM (30°-60°)	2475.7	10.8	B2/2500		
BH (60°-80°)	1849.4	8.1	B3/2500		G3/2500
BVH (80°-90°)	131.4	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°	3346.6	3346.6	3346.6	3346.6	3346.6	3346.6	3346.6	3346.6	3346.6	3346.6
2.5°	3426.5	3445.9	3439.8	3433.8	3433.8	3425.3	3424.1	3412.0	3402.3	3386.5
5°	3470.1	3490.7	3488.3	3493.1	3508.9	3512.5	3516.1	3508.9	3489.5	3470.1
7.5°	3431.4	3454.4	3461.6	3490.7	3539.2	3582.8	3615.5	3628.8	3610.6	3582.8
10°	3300.6	3326.0	3351.4	3420.5	3506.5	3609.4	3696.6	3748.7	3745.1	3718.4
12.5°	3035.3	3061.9	3116.4	3250.9	3408.3	3590.0	3752.3	3861.3	3898.9	3879.5
15°	2823.3	2846.3	2887.5	3025.6	3230.3	3506.5	3772.9	3984.9	4080.6	4069.7
17.5°	2817.3	2827.0	2852.4	2917.8	3075.3	3375.6	3751.1	4106.0	4288.9	4287.7
20°	2923.9	2927.5	2942.0	2955.4	3045.0	3276.3	3695.4	4206.5	4522.7	4522.7
22.5°	3071.6	3069.2	3083.7	3071.6	3115.2	3267.8	3660.3	4295.0	4783.1	4802.5
25°	3293.3	3281.2	3277.5	3249.7	3258.2	3346.6	3699.0	4395.5	5091.9	5131.9
27.5°	3588.8	3569.4	3556.1	3491.9	3470.1	3508.9	3817.7	4516.6	5435.9	5505.0
30°	3974.0	3938.9	3919.5	3808.0	3729.3	3735.4	3997.0	4677.7	5795.6	5907.1
32.5°	4499.7	4445.1	4393.1	4210.2	4066.0	4018.8	4228.3	4900.6	6185.7	6363.7
35°	5088.3	5044.7	4989.0	4706.8	4485.1	4376.1	4540.8	5211.8	6642.3	6924.5
37.5°	5655.1	5617.6	5644.2	5263.9	4978.1	4819.4	4950.2	5629.7	7205.5	7622.2
40°	6241.4	6212.3	6215.9	5852.6	5519.5	5341.4	5446.8	6154.2	7851.1	8451.8
42.5°	6878.5	6856.7	6784.0	6461.8	6087.5	5921.6	6018.5	6759.8	8543.9	9396.6
45°	7591.9	7578.5	7510.7	7141.3	6712.5	6526.0	6656.8	7428.4	9240.3	10285.6
47.5°	8208.4	8219.3	8210.8	7899.5	7455.0	7181.3	7337.5	8126.0	9888.3	11121.3
50°	8505.1	8562.1	8645.6	8548.7	8272.6	7994.0	8024.3	8799.5	10506.0	11905.0
52.5°	8350.1	8457.9	8685.6	8840.6	8947.2	8889.1	8807.9	9468.0	11087.4	12612.3
55°	7772.3	7923.7	8301.6	8675.9	9219.7	9642.5	9749.0	10209.3	11654.3	13234.9
57.5°	6719.8	6965.7	7304.8	8061.8	8977.5	10007.0	10846.4	11237.6	12255.0	13899.9
60°	4915.1	5244.5	5666.0	6792.5	8129.7	9812.0	11780.2	12817.0	13108.9	14761.0
62.5°	3145.5	3349.0	3736.6	4797.6	6334.6	8812.8	12066.1	14791.3	14556.3	16173.3
65°	2153.5	2284.3	2639.2	3235.1	4095.1	6559.9	11300.6	16271.4	16855.2	18411.6
67.5°	1564.9	1664.2	1967.0	2489.0	2668.3	3881.9	8769.2	16203.6	19089.9	20717.8
70°	1141.0	1211.2	1465.6	1967.0	2053.0	2159.6	5312.4	13773.9	19041.5	21330.6
72.5°	845.4	893.9	1064.7	1526.1	1661.8	1458.3	2629.5	10010.7	16362.3	19293.4
75°	611.7	648.0	774.0	1167.6	1329.9	1110.7	1311.7	5850.2	11413.2	13571.6
77.5°	467.5	495.4	577.7	855.1	1064.7	833.3	813.9	2691.3	5411.7	5438.3
80°	375.5	393.6	438.5	602.0	816.4	623.8	530.5	1086.5	1710.2	1447.4
82.5°	276.2	306.4	370.6	422.7	583.8	430.0	323.4	548.7	650.4	559.6
85°	157.5	178.0	224.1	302.8	373.1	262.8	185.3	243.5	302.8	248.3
87.5°	55.7	72.7	78.7	118.7	162.3	109.0	71.5	70.3	99.3	73.9
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°
3346.6	0°	3346.6	3346.6	3346.6	3346.6	3346.6	3346.6	3346.6	3346.6	3346.6	3346.6
3382.9	2.5°	3370.8	3364.7	3340.5	3307.8	3273.9	3241.2	3230.3	3207.3	3191.5	3183.1
3461.6	5°	3438.6	3419.2	3362.3	3289.7	3213.3	3131.0	3072.8	3019.5	2980.8	2944.5
3569.4	7.5°	3535.5	3501.6	3403.5	3276.3	3140.7	3003.8	2902.1	2824.5	2772.5	2738.5
3695.4	10°	3648.2	3596.1	3445.9	3255.7	3046.2	2850.0	2730.1	2663.5	2630.8	2612.6
3839.5	12.5°	3777.8	3703.9	3489.5	3208.5	2902.1	2678.0	2595.6	2576.2	2577.5	2578.7
4021.2	15°	3937.6	3834.7	3524.6	3105.5	2714.3	2546.0	2531.4	2562.9	2595.6	2611.4
4227.1	17.5°	4118.1	3972.8	3530.7	2936.0	2530.2	2461.2	2507.2	2575.0	2624.7	2646.5
4457.3	20°	4311.9	4113.3	3487.1	2696.2	2378.8	2392.1	2474.5	2561.7	2616.2	2644.1
4720.1	22.5°	4533.6	4263.5	3382.9	2444.2	2255.3	2317.0	2413.9	2498.7	2555.7	2583.5
5028.9	25°	4786.7	4431.8	3219.4	2232.3	2148.7	2232.3	2329.2	2399.4	2445.4	2470.9
5374.1	27.5°	5067.7	4607.4	3001.4	2063.9	2055.4	2145.1	2225.0	2279.5	2303.7	2323.1
5741.1	30°	5349.9	4767.3	2737.3	1936.7	1974.3	2059.1	2116.0	2140.2	2147.5	2151.1
6150.5	32.5°	5655.1	4905.4	2460.0	1831.4	1896.8	1975.5	2009.4	2020.3	1986.4	1963.4
6647.1	35°	6024.6	5053.2	2188.7	1747.8	1820.5	1888.3	1899.2	1889.5	1849.5	1802.3
7269.7	37.5°	6481.2	5237.3	1971.9	1688.4	1749.0	1793.8	1780.5	1778.1	1781.7	1726.0
8018.2	40°	7040.8	5477.1	1813.2	1642.4	1690.9	1700.5	1663.0	1683.6	1701.8	1617.0
8839.4	42.5°	7662.1	5766.6	1712.7	1610.9	1642.4	1619.4	1561.3	1584.3	1581.8	1470.4
9664.3	45°	8295.6	6081.5	1677.5	1587.9	1597.6	1551.6	1487.4	1493.4	1442.6	1342.0
10455.2	47.5°	8925.4	6419.4	1699.3	1568.5	1541.9	1489.8	1440.1	1413.5	1338.4	1263.3
11213.4	50°	9543.1	6774.3	1779.3	1529.8	1465.6	1435.3	1398.9	1351.7	1271.8	1207.6
11930.4	52.5°	10116.0	7131.6	1868.9	1465.6	1369.9	1388.0	1365.0	1310.5	1231.8	1166.4
12608.7	55°	10658.7	7488.9	1904.0	1377.1	1280.3	1346.9	1333.5	1233.0	1138.5	1085.2
13318.5	57.5°	11249.7	7918.9	1865.3	1264.5	1207.6	1299.6	1248.8	1137.3	1082.8	1042.9
14242.6	60°	12068.5	8593.5	1781.7	1125.2	1138.5	1229.4	1142.2	1096.1	1036.8	992.0
15628.3	62.5°	13428.7	9852.0	1647.2	987.1	1057.4	1125.2	1091.3	1045.3	984.7	941.1
17997.4	65°	15439.3	11601.0	1394.1	879.3	966.5	1023.5	1036.8	990.8	927.8	881.8
20073.4	67.5°	17135.0	12698.3	1055.0	789.7	873.3	941.1	978.7	933.8	867.2	822.4
20559.1	70°	17041.7	11901.4	805.5	701.3	790.9	860.0	908.4	873.3	801.8	759.4
18674.5	72.5°	15136.5	9956.2	651.6	611.7	707.3	775.2	833.3	806.7	734.0	692.8
13680.6	75°	11120.1	7067.4	520.8	520.8	603.2	686.8	751.0	734.0	667.4	638.3
5743.6	77.5°	4687.4	2965.0	408.2	432.4	501.4	589.9	669.8	675.9	617.7	654.1
1518.9	80°	1246.3	817.6	311.3	340.4	393.6	486.9	582.6	580.2	517.2	483.3
564.4	82.5°	474.8	322.2	221.7	239.8	284.6	373.1	461.5	476.0	413.0	357.3
221.7	85°	182.9	138.1	136.9	144.1	165.9	247.1	348.8	360.9	311.3	264.0
61.8	87.5°	47.2	41.2	50.9	48.4	76.3	132.0	199.8	207.1	190.2	110.2
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°
3346.6
3192.8
2959.0
2745.8
2617.4
2581.1
2610.2
2651.3
2651.3
2590.8
2478.1
2330.4
2159.6
1970.6
1804.7
1729.6
1619.4
1469.2
1345.7
1263.3
1202.7
1167.6
1080.4
1039.2
989.6
941.1
884.2
823.6
763.1
692.8
629.8
593.5
449.4
357.3
272.5
157.5
0.0

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