

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: P849555

Luminaire Tested: **GLAN-SB6C-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849555
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21356 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

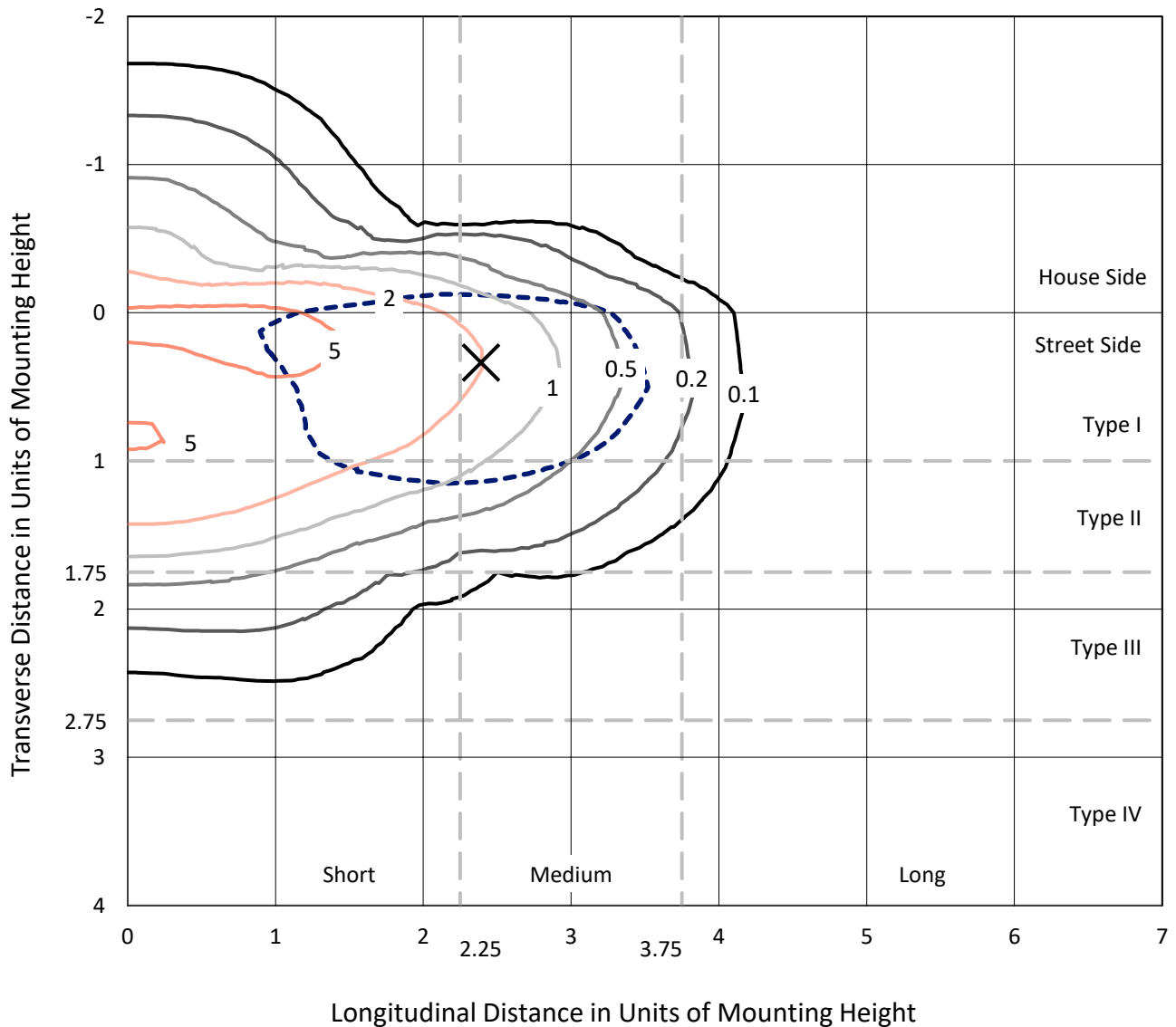
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

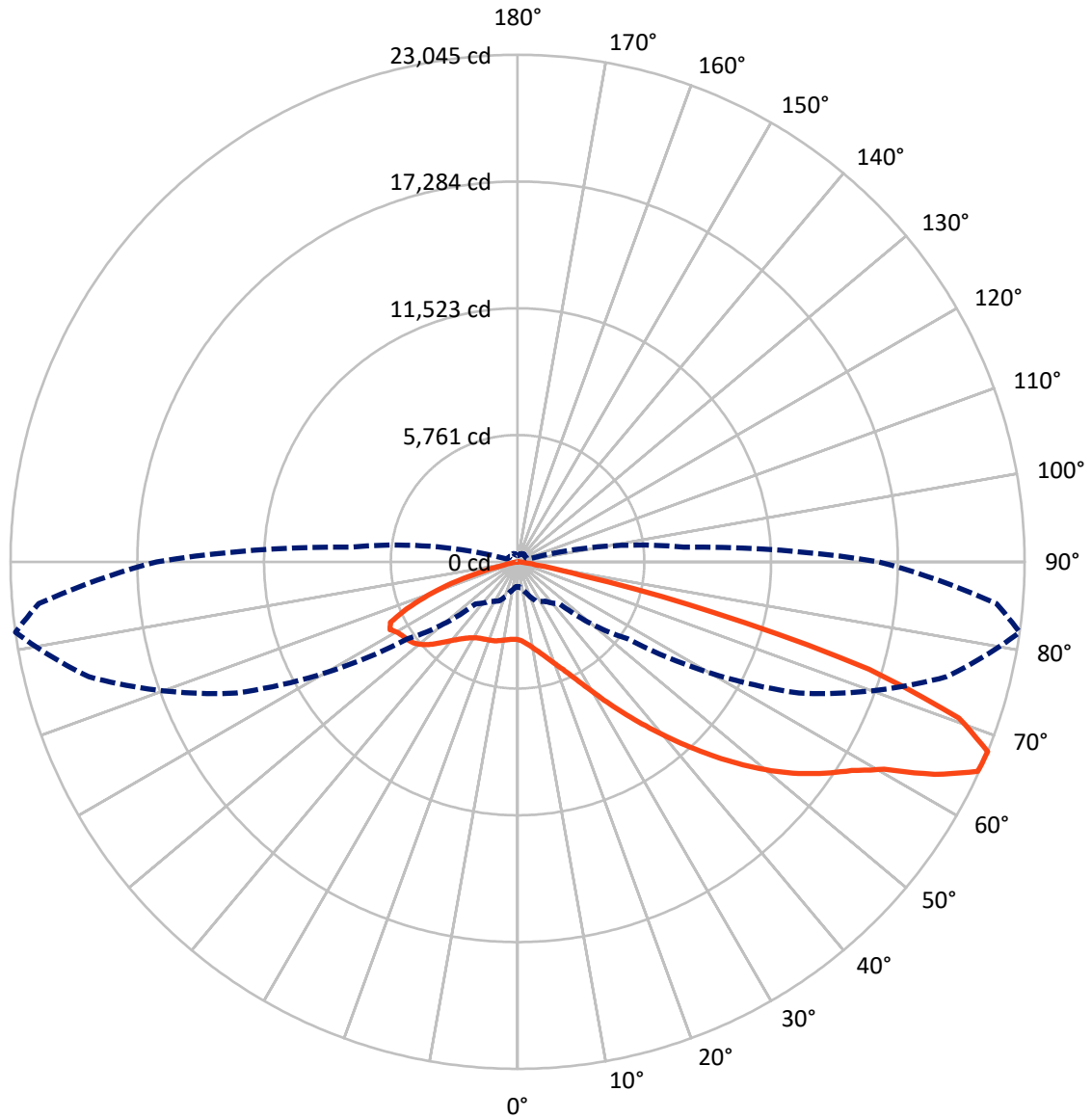
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3868.5	0.0	3868.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	17487.5	0.0	17487.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	21356.0	0.0	21356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.2	1.5
10°-20°	819.1	3.8
20°-30°	1311.9	6.1
30°-40°	2319.9	10.9
40°-50°	4064.7	19.0
50°-60°	5421.1	25.4
60°-70°	5046.8	23.6
70°-80°	1937.0	9.1
80°-90°	120.3	0.6
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°	21356.0	100.0
0°-180°	21356.0	100.0

Coefficient of Utilization

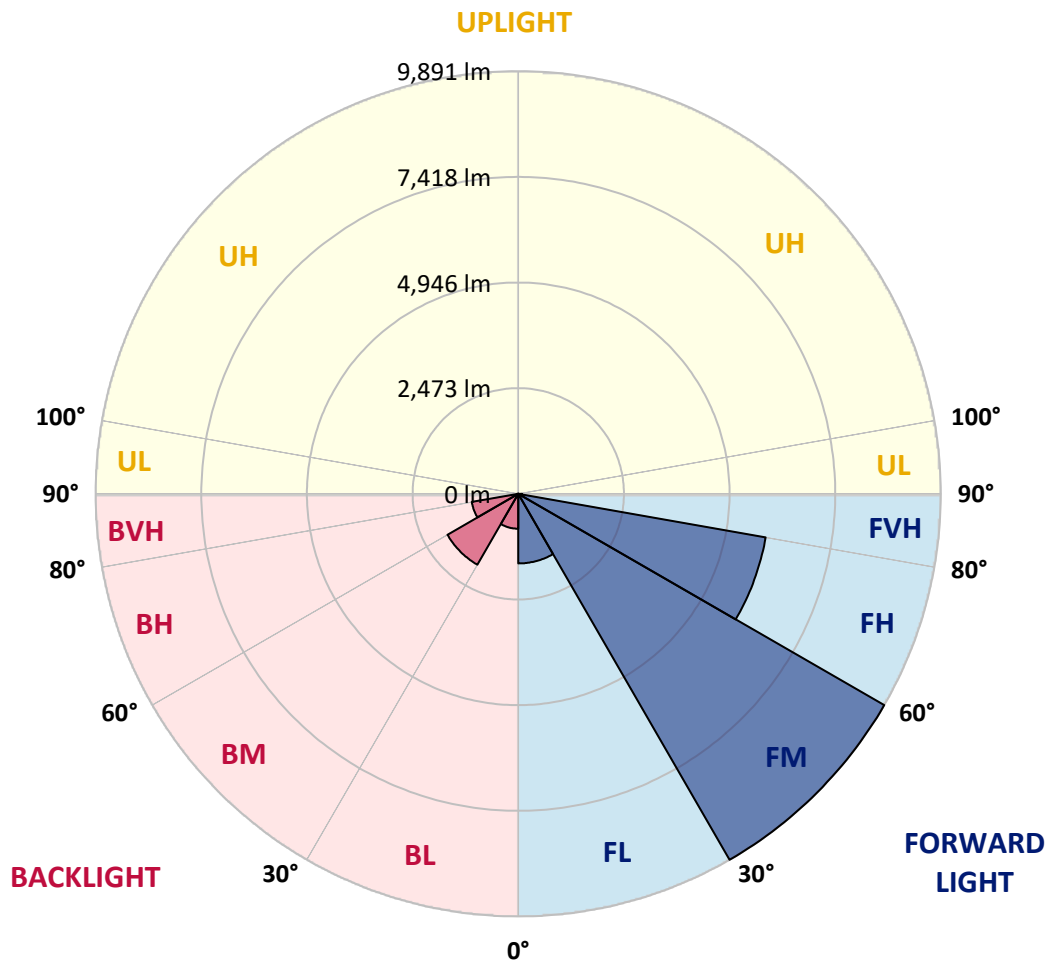


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1629.2	7.6			
FM (30°-60°)	9891.2	46.3			
FH (60°-80°)	5879.6	27.5			G3/7500
FVH (80°-90°)	87.5	0.4			G1/100
BL (0°-30°)	817.0	3.8	B2/1000		
BM (30°-60°)	1914.5	9.0	B2/2500		
BH (60°-80°)	1104.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	32.8	0.2			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°	3538.0	3538.0	3538.0	3538.0	3538.0	3538.0	3538.0	3538.0	3538.0	3538.0
2.5°	3739.4	3760.9	3748.6	3742.5	3731.7	3716.3	3704.0	3665.6	3625.6	3599.5
5°	3814.7	3836.3	3834.7	3840.9	3848.6	3853.2	3850.1	3807.0	3750.2	3705.6
7.5°	3750.2	3774.8	3794.7	3825.5	3879.3	3936.2	3963.9	3954.7	3896.2	3834.7
10°	3567.2	3593.3	3641.0	3713.3	3827.0	3950.0	4053.1	4100.7	4063.8	3996.2
12.5°	3232.0	3258.1	3351.9	3508.8	3699.4	3913.1	4109.9	4237.6	4246.8	4179.1
15°	2855.3	2881.4	2981.4	3178.2	3468.8	3811.7	4140.7	4382.1	4463.6	4405.2
17.5°	2621.6	2644.6	2720.0	2878.3	3181.2	3608.7	4129.9	4535.9	4721.9	4675.8
20°	2550.8	2570.8	2606.2	2716.9	2969.1	3398.0	4059.2	4680.4	5000.2	4974.1
22.5°	2626.2	2644.6	2655.4	2704.6	2863.0	3259.7	3970.0	4828.0	5323.1	5326.2
25°	2799.9	2818.4	2806.1	2836.8	2906.0	3216.6	3936.2	5001.7	5729.0	5762.8
27.5°	3085.9	3087.5	3058.2	3056.7	3067.5	3281.2	3971.6	5187.8	6241.0	6304.1
30°	3659.4	3636.4	3524.1	3402.7	3347.3	3474.9	4070.0	5407.7	6845.3	6957.5
32.5°	4543.5	4509.7	4303.7	4013.1	3720.9	3787.1	4246.8	5658.3	7503.4	7706.3
35°	5503.0	5493.8	5278.5	4846.4	4336.0	4231.4	4534.3	5987.3	8221.4	8544.3
37.5°	6394.8	6390.2	6267.2	5758.2	5137.0	4851.1	4995.6	6417.8	8990.2	9457.6
40°	7209.7	7223.5	7100.5	6645.4	6019.6	5646.0	5622.9	6949.9	9845.1	10452.5
42.5°	7913.9	7929.3	7804.7	7468.0	6891.4	6525.5	6393.2	7601.8	10680.0	11521.1
45°	8392.1	8487.4	8469.0	8199.9	7786.3	7406.5	7318.9	8419.8	11631.8	12654.3
47.5°	8527.4	8615.0	8753.4	8790.3	8538.2	8164.5	8269.1	9405.4	12594.3	13789.0
50°	8193.8	8275.2	8562.8	8945.6	9120.9	9005.6	9193.2	10461.7	13579.9	14920.7
52.5°	7535.7	7618.7	7981.6	8587.4	9302.3	9665.2	10120.3	11502.6	14534.7	15992.3
55°	6583.9	6671.6	7137.4	7823.2	8956.4	9937.4	10893.7	12542.0	15409.6	16956.4
57.5°	5289.3	5353.8	5838.2	6797.6	8086.1	9666.8	11464.2	13676.8	16233.7	17903.6
60°	3447.2	3504.1	4066.9	5137.0	6643.9	8762.7	11578.0	14942.2	17328.5	19135.2
62.5°	2292.5	2331.0	2664.6	3450.3	4678.8	7026.7	10912.2	15952.4	18933.7	21278.5
65°	1572.9	1611.4	1945.0	2492.4	3022.9	4648.1	8997.9	15818.6	20388.3	22980.6
67.5°	1122.4	1154.7	1437.6	1954.3	2188.0	2700.0	6099.6	14108.8	20179.2	23045.2
70°	804.2	822.6	1056.3	1522.2	1739.0	1622.1	3391.9	10790.7	17668.3	21280.1
72.5°	562.8	568.9	733.4	1159.3	1400.7	1183.9	1614.5	7194.3	13363.1	16702.7
75°	381.3	389.0	493.6	850.3	1124.0	904.1	854.9	3857.8	7844.7	9245.5
77.5°	233.7	236.8	318.3	581.2	841.1	688.8	550.5	1634.4	3035.2	2979.8
80°	132.2	132.2	203.0	361.3	573.5	444.4	385.9	695.0	961.0	844.1
82.5°	73.8	75.3	147.6	224.5	379.8	262.9	212.2	321.4	415.1	367.5
85°	30.8	33.8	90.7	106.1	181.4	130.7	86.1	135.3	153.8	136.8
87.5°	3.1	4.6	27.7	20.0	21.5	26.1	12.3	26.1	21.5	21.5
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°
3538.0	0°	3538.0	3538.0	3538.0	3538.0	3538.0	3538.0	3538.0	3538.0	3538.0	3538.0
3590.2	2.5°	3561.0	3538.0	3479.5	3411.9	3322.7	3279.7	3221.2	3181.2	3147.4	3150.5
3679.4	5°	3630.2	3571.8	3441.1	3278.1	3075.2	2930.6	2776.9	2670.8	2584.7	2566.2
3802.4	7.5°	3725.6	3633.3	3404.2	3110.5	2767.6	2507.8	2275.6	2126.5	2020.4	1986.6
3951.6	10°	3848.6	3714.8	3356.5	2899.9	2406.3	2075.7	1826.6	1709.8	1637.5	1612.9
4126.9	12.5°	3991.6	3808.6	3293.5	2643.1	2034.2	1715.9	1557.6	1499.1	1476.1	1468.4
4342.1	15°	4171.4	3925.4	3198.2	2338.7	1719.0	1496.1	1428.4	1420.7	1423.8	1420.7
4600.4	17.5°	4385.2	4053.1	3042.9	2025.0	1506.8	1383.8	1359.2	1365.4	1373.1	1371.5
4889.5	20°	4618.9	4179.1	2844.5	1746.7	1362.3	1303.9	1290.0	1296.2	1302.3	1299.3
5223.2	22.5°	4884.9	4314.4	2624.6	1529.9	1265.4	1230.1	1214.7	1216.2	1216.2	1210.1
5646.0	25°	5203.2	4463.6	2394.0	1376.1	1191.6	1163.9	1145.5	1139.3	1130.1	1111.7
6159.5	27.5°	5582.9	4622.0	2172.6	1268.5	1133.2	1107.1	1085.5	1070.2	1047.1	1016.3
6776.1	30°	6010.4	4814.2	1985.0	1200.8	1087.1	1060.9	1036.3	1013.3	979.4	941.0
7484.9	32.5°	6513.2	5020.2	1848.2	1156.3	1045.6	1017.9	988.7	961.0	924.1	885.6
8281.4	35°	7112.8	5269.3	1768.2	1125.5	1013.3	976.4	944.1	913.3	885.6	851.8
9147.1	37.5°	7763.2	5533.7	1743.6	1110.1	991.7	934.8	897.9	876.4	873.3	853.4
10083.4	40°	8475.1	5847.4	1762.1	1100.9	968.7	894.9	854.9	850.3	858.0	822.6
11084.4	42.5°	9228.5	6219.5	1792.8	1090.1	936.4	854.9	816.5	816.5	810.3	761.1
12142.3	45°	10043.5	6648.5	1823.6	1064.0	897.9	814.9	785.7	774.9	748.8	701.1
13206.3	47.5°	10864.5	7085.2	1846.6	1016.3	851.8	781.1	755.0	730.3	691.9	648.9
14250.3	50°	11644.1	7477.2	1822.0	945.6	799.5	748.8	721.1	687.3	645.8	616.6
15238.9	52.5°	12340.6	7817.0	1717.5	862.6	744.2	715.0	690.4	655.0	621.2	590.4
16130.7	55°	12946.4	8092.3	1533.0	784.2	695.0	685.8	661.2	616.6	570.4	544.3
17014.8	57.5°	13527.6	8301.4	1302.3	719.6	650.4	653.5	616.6	576.6	533.5	505.9
18206.5	60°	14301.0	8581.2	1068.6	659.6	602.7	612.0	572.0	542.8	488.9	453.6
20249.9	62.5°	15537.2	9016.4	848.7	585.8	547.4	550.5	533.5	498.2	433.6	392.1
21764.4	65°	16518.2	8856.4	668.8	505.9	484.3	488.9	488.9	450.5	381.3	333.7
21845.9	67.5°	16407.5	7583.3	533.5	427.4	424.4	427.4	438.2	405.9	338.3	299.8
20182.2	70°	15114.4	6031.9	427.4	355.2	369.0	361.3	392.1	370.6	304.4	266.0
15646.4	72.5°	12332.9	4345.2	326.0	293.7	282.9	295.2	353.6	333.7	253.7	210.6
8287.5	75°	7206.6	2318.7	242.9	232.2	204.5	246.0	313.7	284.5	193.7	155.3
2540.1	77.5°	2346.3	808.8	178.4	170.7	152.2	198.3	267.5	239.9	158.4	123.0
744.2	80°	628.9	244.5	121.5	112.2	98.4	147.6	212.2	190.7	113.8	80.0
319.8	82.5°	252.2	103.0	70.7	63.0	53.8	101.5	167.6	153.8	84.6	50.7
99.9	85°	81.5	33.8	26.1	20.0	24.6	63.0	99.9	104.6	60.0	26.1
15.4	87.5°	10.8	4.6	4.6	6.2	4.6	10.8	30.8	29.2	16.9	3.1
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°
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3538.0
3119.7
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1013.3
937.9
887.2
848.7
851.8
824.1
761.1
699.6
647.3
612.0
587.4
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