

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: P852428

Luminaire Tested: **GLAN-SB3D-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22685 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

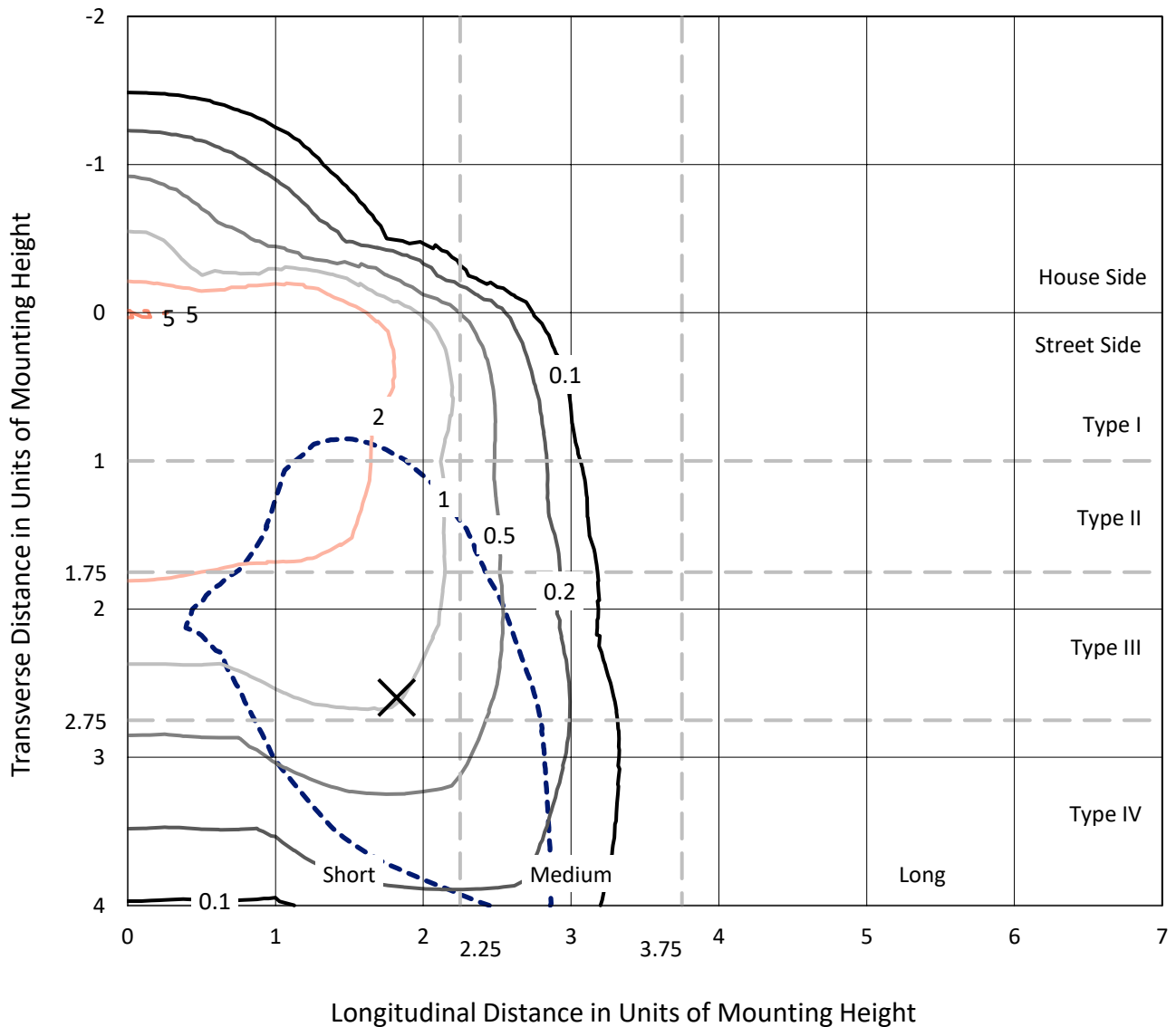
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

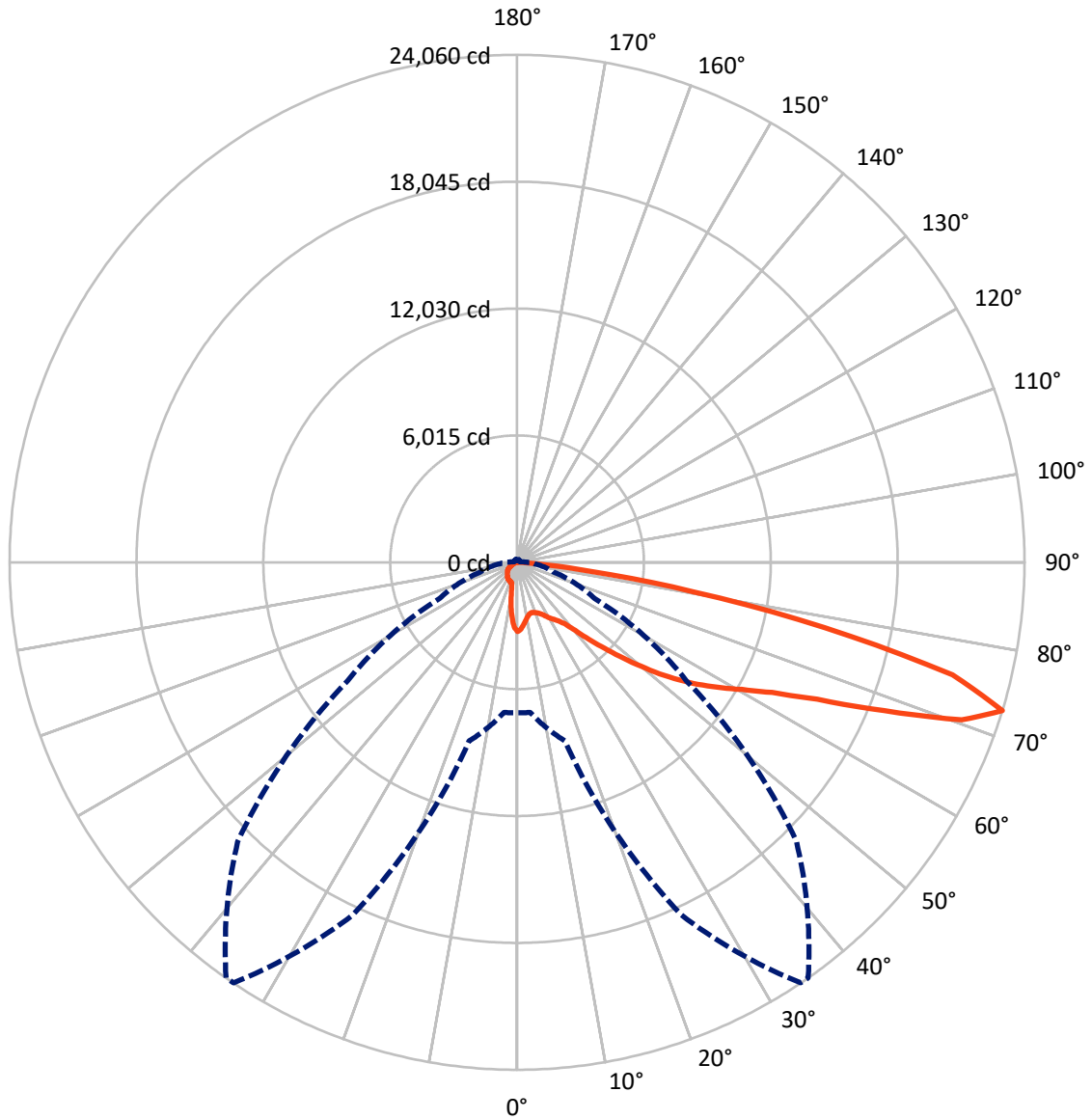
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2553.1	0.0	2553.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	20131.9	0.0	20131.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	22685.0	0.0	22685.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.2	1.2
10°-20°	632.0	2.8
20°-30°	1026.7	4.5
30°-40°	1713.1	7.6
40°-50°	3241.2	14.3
50°-60°	5150.2	22.7
60°-70°	6371.2	28.1
70°-80°	3960.4	17.5
80°-90°	320.1	1.4
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°	22685.0	100.0
0°-180°	22685.0	100.0

Coefficient of Utilization



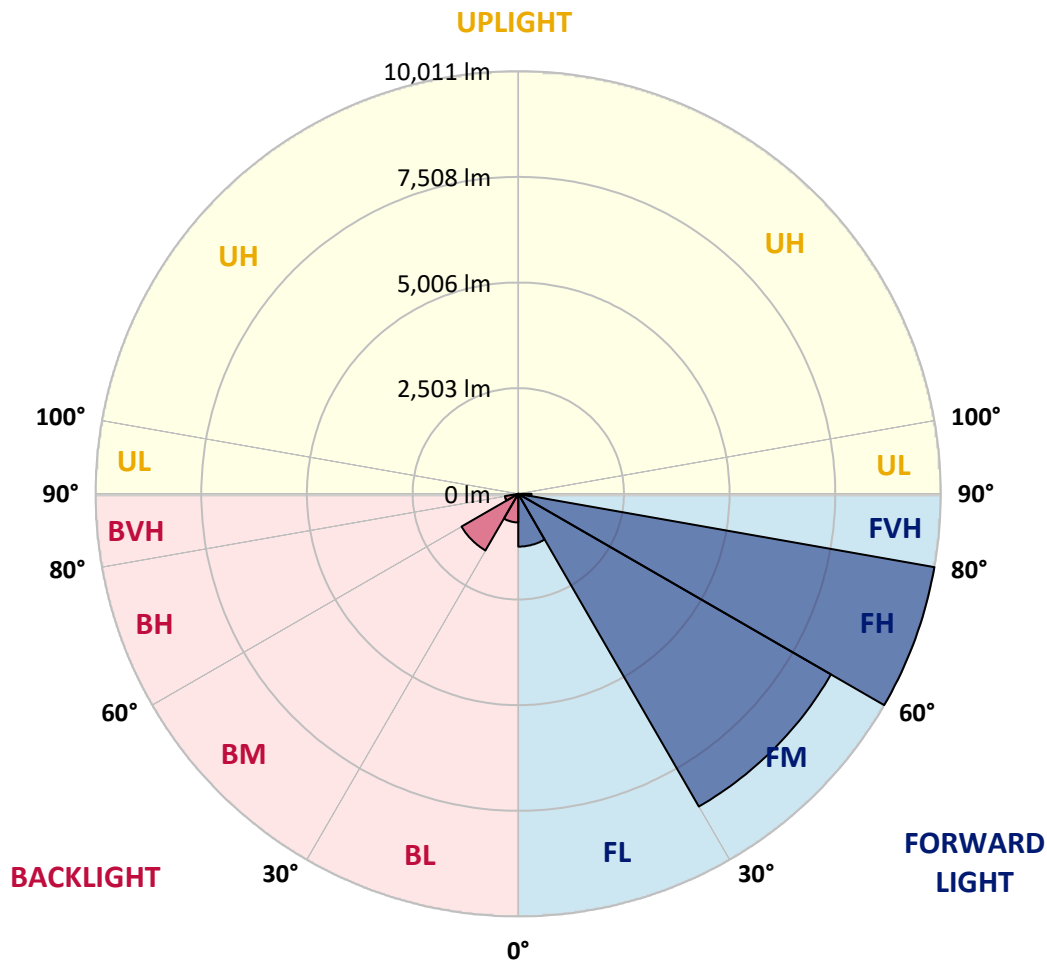
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1250.5	5.5			
FM	(30°-60°)	8554.5	37.7			
FH	(60°-80°)	10011.2	44.1			G4/12000
FVH	(80°-90°)	315.7	1.4			G3/500
BL	(0°-30°)	678.4	3.0	B2/1000		
BM	(30°-60°)	1550.0	6.8	B2/2500		
BH	(60°-80°)	320.4	1.4	B1/500		G1/500
BVH	(80°-90°)	4.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3287.8	3287.8	3287.8	3287.8	3287.8	3287.8	3287.8	3287.8	3287.8	3287.8
2.5°	3141.5	3168.1	3173.1	3181.4	3181.4	3191.4	3208.0	3231.3	3269.5	3289.5
5°	2895.5	2915.5	2940.4	2960.4	2998.6	3003.6	3068.4	3131.6	3219.7	3286.2
7.5°	2647.9	2671.1	2704.4	2752.6	2802.5	2817.4	2915.5	3021.9	3161.5	3286.2
10°	2473.3	2475.0	2504.9	2553.1	2632.9	2651.2	2770.9	2922.1	3096.7	3266.2
12.5°	2375.3	2386.9	2400.2	2436.8	2513.2	2524.9	2652.9	2830.7	3031.8	3254.6
15°	2375.3	2383.6	2391.9	2410.2	2471.7	2481.7	2594.7	2772.5	2998.6	3259.6
17.5°	2400.2	2413.5	2406.9	2428.5	2493.3	2499.9	2599.7	2755.9	2996.9	3291.1
20°	2460.0	2470.0	2456.7	2470.0	2534.8	2548.1	2651.2	2787.5	3025.2	3346.0
22.5°	2554.8	2559.8	2528.2	2538.2	2604.7	2621.3	2741.0	2877.3	3093.3	3434.1
25°	2674.5	2684.4	2636.2	2647.9	2711.0	2731.0	2868.9	3011.9	3201.4	3555.4
27.5°	2812.4	2817.4	2775.9	2774.2	2855.6	2883.9	3023.5	3178.1	3346.0	3708.4
30°	2970.3	2985.3	2945.4	2938.8	3041.8	3065.1	3203.0	3382.6	3558.8	3937.7
32.5°	3095.0	3106.6	3083.4	3100.0	3204.7	3223.0	3420.8	3671.8	3892.9	4263.5
35°	3274.5	3281.2	3228.0	3257.9	3377.6	3424.1	3718.3	4077.4	4313.4	4672.4
37.5°	3924.4	3924.4	3698.4	3550.4	3665.1	3706.7	4125.6	4587.7	4832.0	5220.9
40°	4823.7	4808.7	4477.9	4175.4	4160.5	4241.9	4705.7	5230.9	5501.9	5879.2
42.5°	5782.8	5759.5	5309.0	5009.8	4960.0	4988.2	5375.5	6023.8	6299.7	6682.0
45°	6633.8	6627.2	6214.9	5812.7	5722.9	5812.7	6211.6	6951.3	7149.1	7551.3
47.5°	7346.9	7346.9	7046.0	6783.4	6736.9	6790.1	7343.6	7980.2	7961.9	8477.2
50°	8168.0	8161.4	7875.5	7762.4	7810.6	7885.4	8646.7	9063.9	8803.0	9386.4
52.5°	8743.1	8783.0	8685.0	8666.7	8912.7	9042.3	9969.8	10124.4	9555.9	10249.1
55°	9198.6	9245.1	9358.1	9486.1	9959.9	10129.4	11251.4	11130.0	10185.9	10997.1
57.5°	9843.5	9777.0	9951.5	10204.2	10970.5	11174.9	12493.0	12079.2	10692.9	11603.8
60°	10626.4	10636.4	10666.3	10985.4	11979.4	12242.0	13716.4	12976.7	11018.7	11976.1
62.5°	11567.2	11582.2	11643.7	12134.0	13334.1	13581.8	15019.6	13711.4	11168.3	11871.4
65°	11502.4	11565.5	12252.0	13929.2	15393.6	15637.9	16540.5	14226.7	10942.2	10914.0
67.5°	10478.5	10581.5	11730.1	16073.4	18498.5	18771.1	18378.9	14328.1	9966.5	8487.2
70°	9135.4	9172.0	10553.3	18001.5	22093.9	22369.8	20024.4	13212.8	7563.0	4733.9
72.5°	7134.1	7142.4	8763.1	18448.7	24045.3	24060.2	18732.9	9808.6	4067.4	1818.4
75°	5096.3	5046.4	5869.2	14961.4	21154.7	21324.3	14043.9	4600.9	1554.2	859.4
77.5°	2732.6	2787.5	3321.1	8872.8	14614.0	14903.2	7662.7	1326.4	791.2	585.1
80°	844.4	890.9	1361.3	4062.4	8277.7	8452.2	2840.7	590.1	551.8	417.2
82.5°	266.0	275.9	635.0	1707.1	3435.8	3515.5	822.8	334.1	377.3	275.9
85°	76.5	78.1	282.6	636.6	849.4	866.0	231.0	129.7	216.1	171.2
87.5°	8.3	26.6	106.4	106.4	74.8	73.1	24.9	28.3	61.5	21.6
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°
3287.8	0°	3287.8	3287.8	3287.8	3287.8	3287.8	3287.8	3287.8	3287.8	3287.8	3287.8
3302.8	2.5°	3294.5	3296.1	3274.5	3238.0	3198.1	3164.8	3123.3	3090.0	3066.7	3060.1
3332.7	5°	3317.7	3306.1	3244.6	3133.2	3000.3	2885.6	2757.6	2656.2	2589.7	2561.4
3364.3	7.5°	3352.6	3319.4	3184.8	2965.4	2711.0	2485.0	2255.6	2077.7	1964.7	1908.2
3394.2	10°	3382.6	3316.1	3085.0	2722.7	2333.7	1991.3	1682.1	1467.7	1348.0	1291.5
3429.1	12.5°	3410.8	3314.4	2955.4	2435.1	1908.2	1489.3	1201.8	1095.4	1062.1	1050.5
3485.6	15°	3464.0	3319.4	2792.5	2106.0	1484.3	1125.3	1020.6	1018.9	1025.6	1022.2
3572.1	17.5°	3537.1	3324.4	2608.0	1756.9	1145.3	992.3	987.3	1002.3	1012.3	1007.3
3680.1	20°	3631.9	3344.3	2411.8	1411.2	984.0	959.1	970.7	984.0	992.3	984.0
3824.7	22.5°	3764.9	3379.2	2197.4	1133.6	932.5	939.1	949.1	964.1	972.4	960.7
4009.2	25°	3927.8	3434.1	1986.3	985.7	907.6	915.9	930.8	947.4	957.4	945.8
4241.9	27.5°	4138.9	3522.2	1791.8	952.4	882.6	887.6	909.2	934.2	947.4	932.5
4572.7	30°	4444.7	3666.8	1624.0	967.4	867.7	856.0	885.9	920.9	935.8	922.5
5023.1	32.5°	4850.3	3871.2	1520.9	990.7	861.0	819.5	847.7	892.6	917.5	909.2
5611.6	35°	5382.2	4182.1	1481.0	1017.3	856.0	781.2	801.2	849.4	892.6	900.9
6352.9	37.5°	6027.1	4614.2	1492.6	1028.9	841.1	749.6	759.6	801.2	857.7	884.3
7187.3	40°	6760.1	5117.9	1559.1	1017.3	824.4	723.1	724.7	756.3	806.2	846.1
8084.9	42.5°	7516.4	5706.3	1682.1	974.0	809.5	699.8	694.8	716.4	749.6	777.9
8980.8	45°	8236.2	6311.3	1803.5	914.2	791.2	676.5	664.9	673.2	679.8	691.5
9853.5	47.5°	8864.5	6736.9	1768.6	859.4	766.3	649.9	630.0	626.6	606.7	605.0
10633.0	50°	9298.3	6829.9	1570.8	804.5	729.7	620.0	588.4	568.5	533.6	516.9
11216.5	52.5°	9436.3	6462.6	1283.2	749.6	669.9	580.1	535.2	503.6	460.4	445.5
11552.2	55°	9253.4	5742.9	1025.6	683.2	586.8	526.9	477.0	435.5	400.6	382.3
11588.8	57.5°	8806.3	4827.0	811.2	605.0	498.7	467.1	417.2	375.7	345.7	327.5
11183.2	60°	8065.0	3833.0	641.6	512.0	425.5	402.3	350.7	324.1	297.5	275.9
10136.1	62.5°	6939.7	2736.0	503.6	405.6	355.7	329.1	299.2	279.2	247.7	217.7
8252.8	65°	5415.4	1673.8	389.0	297.5	285.9	272.6	254.3	236.0	197.8	167.9
5383.8	67.5°	3415.8	792.9	277.6	224.4	226.1	219.4	211.1	196.1	167.9	141.3
2411.8	70°	1504.3	384.0	182.8	171.2	167.9	167.9	174.5	169.5	142.9	118.0
837.7	72.5°	512.0	206.1	136.3	129.7	121.3	119.7	146.3	141.3	114.7	91.4
417.2	75°	267.6	138.0	99.7	93.1	73.1	88.1	116.4	109.7	81.4	59.8
275.9	77.5°	174.5	98.1	68.1	59.8	41.6	58.2	86.4	76.5	48.2	29.9
181.2	80°	109.7	64.8	39.9	28.3	19.9	31.6	46.5	33.2	18.3	6.6
106.4	82.5°	58.2	33.2	15.0	10.0	8.3	10.0	11.6	8.3	3.3	0.0
54.9	85°	23.3	11.6	5.0	3.3	1.7	0.0	3.3	1.7	0.0	0.0
10.0	87.5°	8.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3287.8
3071.7
2571.4
1916.5
1293.2
1047.2
1020.6
1005.6
982.4
959.1
944.1
932.5
920.9
909.2
900.9
890.9
859.4
789.5
698.1
603.4
518.6
443.8
382.3
324.1
270.9
212.8
162.9
138.0
113.0
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